NUINSCO RESOURCES LIMITED

Richardson Township Project

(June/July 1996, Diamond Drilling)

Rainy River District
Kenora Mining Division
N.T.S. 52 C/13 and 52D/16

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Project Geologist

Table of C

List of Figures

List of Tables

Appendices

Pocket

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1.0 INTRODUCTION

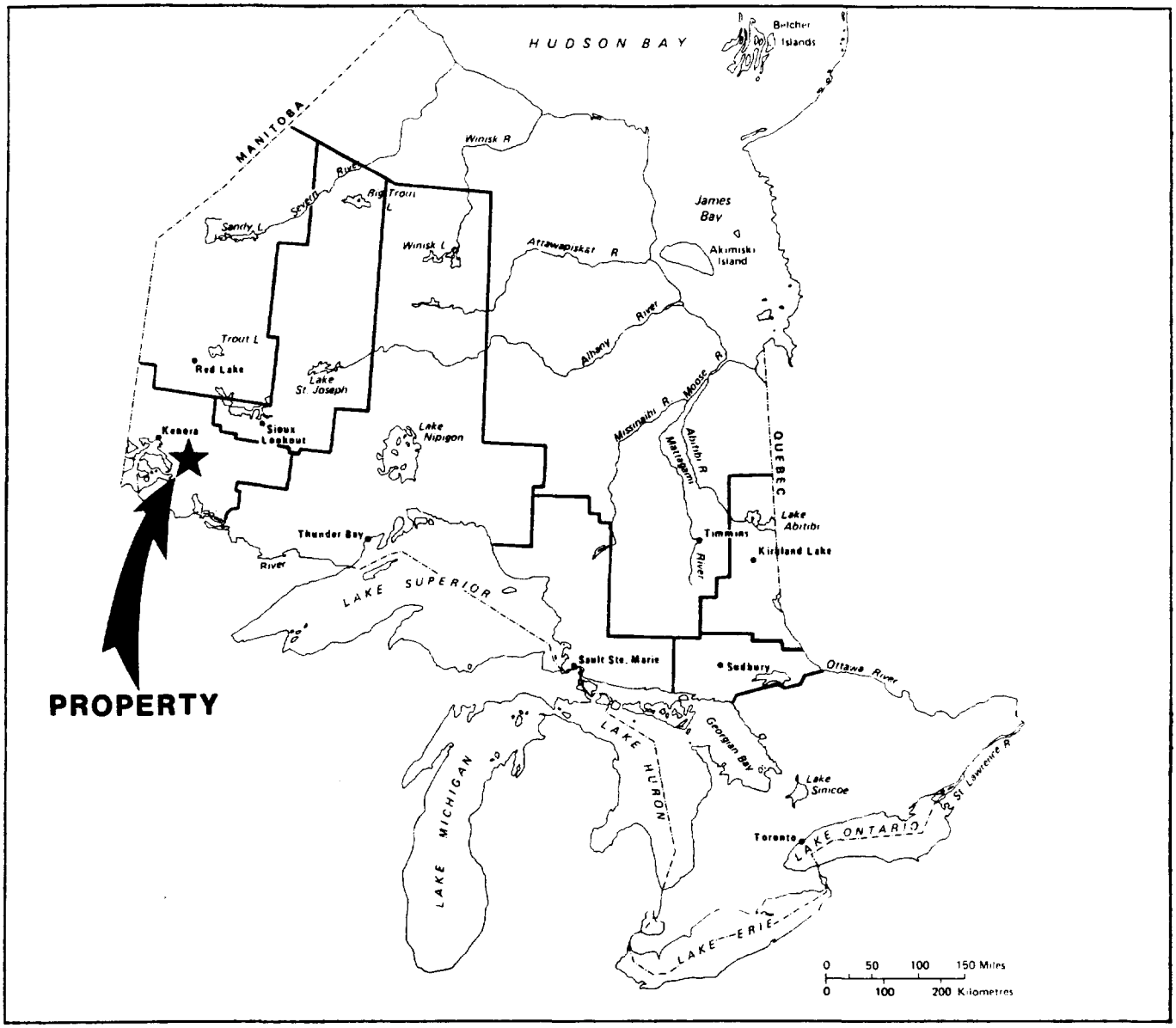
This report describes the results of one component of the Nuinsco exploration program, namely diamond drilling conducted in Richardson Township from May 29 – July 22, 1996. This drilling comprises drill holes NR-96-33 , 34, 35, 36, 37, 38, 41, 42, 43, 44 and 45 for a total of 3,270.74 m. The holes were drilled to test diverse targets and stratigraphy in south Richardson Township, and the results are reported here for assessment purposes.

2.0 LOCATION AND ACCESS

The claims and options comprising the Rainy River Project property are located in northwestern Ontario in the Ministry of Natural Resources Administrative District of Rainy River, Kenora Mining Division. The area is located near both the border with Manitoba and the international boundary with Minnesota. The nearest population center is Fort Frances, 50 km to the southeast. The villages of Emo and Nestor Falls are about 25 km to the south and north respectively. The claim group is centered approximately by latitudes 48□ 45'N to 49□ 00'N and longitudes 93□ 46'W and 94□ 36'W. The property area lies within N.T.S. maps 52 C/13 and 52 D/16. Nuinsco Resources Cameron Lake exploration mine site is located approximately 40 km to the northeast.

Nuinsco's accumulated land position consists of a series of discontinuous blocks lying in an arcuate east-west band of some 60 km length. The claimed ground is predominantly underlain by metavolcanic-metasedimentary terrain located approximately between the contact of the Sabaskong Batholith to the north, the Rainy River Batholthic Complex and other subordinate intrusions in the east and the interpreted location of the Quetico Fault to the south. The land position is located in the townships of Senn, Menary, Potts, Richardson, Tait, Sifton, Pattullo, Nelles, Blue, Pratt, Spohn, and Attwood and Curran.

Access to most of the claim group is attained via the numerous all weather, secondary, provincial highways (gravel) and township roads which lead off of paved highways 11 and 71. These routes traverse the region and provide excellent ingress to claims in the west and center of the property area. Access into Richardson Township in the area of this reported drilling is excellent. All drill sites are readily accessible by foot from graveled secondary Township roads.



Nuinsco Resources Limited
RAINY RIVER GOLD PROJECT
REGIONAL LOCATION MAP

Figure 1

3.0 PHYSIOGRAPHY

The Rainy River region is located within the Severn Upland of the Canadian Shield (Bostock, 1970). Generally the Precambrian surface, and the overlying Paleozoic and Mesozoic strata to the west, dip at a very low angle to the southwest into the Williston Basin (Bajc, 1991).

Physiographically the landscape on which the Nuinsco claim groups are situated can be divided into two distinct domains separated by a sharp northwest-southeast trending break - the site of the Rainy Lake - Lake of the Woods Moraine, which locally traverses Rowe, Menary, Potts, and Fleming townships. To the north and east of the moraine in the Beadle Lake and Off Lake - Burditt Lake areas, a Precambrian highland is only sparsely covered by glacial drift and is characterized by extensive outcrop exposure. This area has been subjected to only one of the most recent glacial advances (the Whiteshell - from the northeast) because of the elevated topography which prevented the advance of other glacial lobes from the west. Glacial drift attains significant thickness only in very local areas. It displays few signs of intense weathering (Bajc, 1991b). Relief is controlled by bedrock geology with the supracrustal sequences displaying positive relief relative to the batholithic complexes; relief can attain 90 meter.

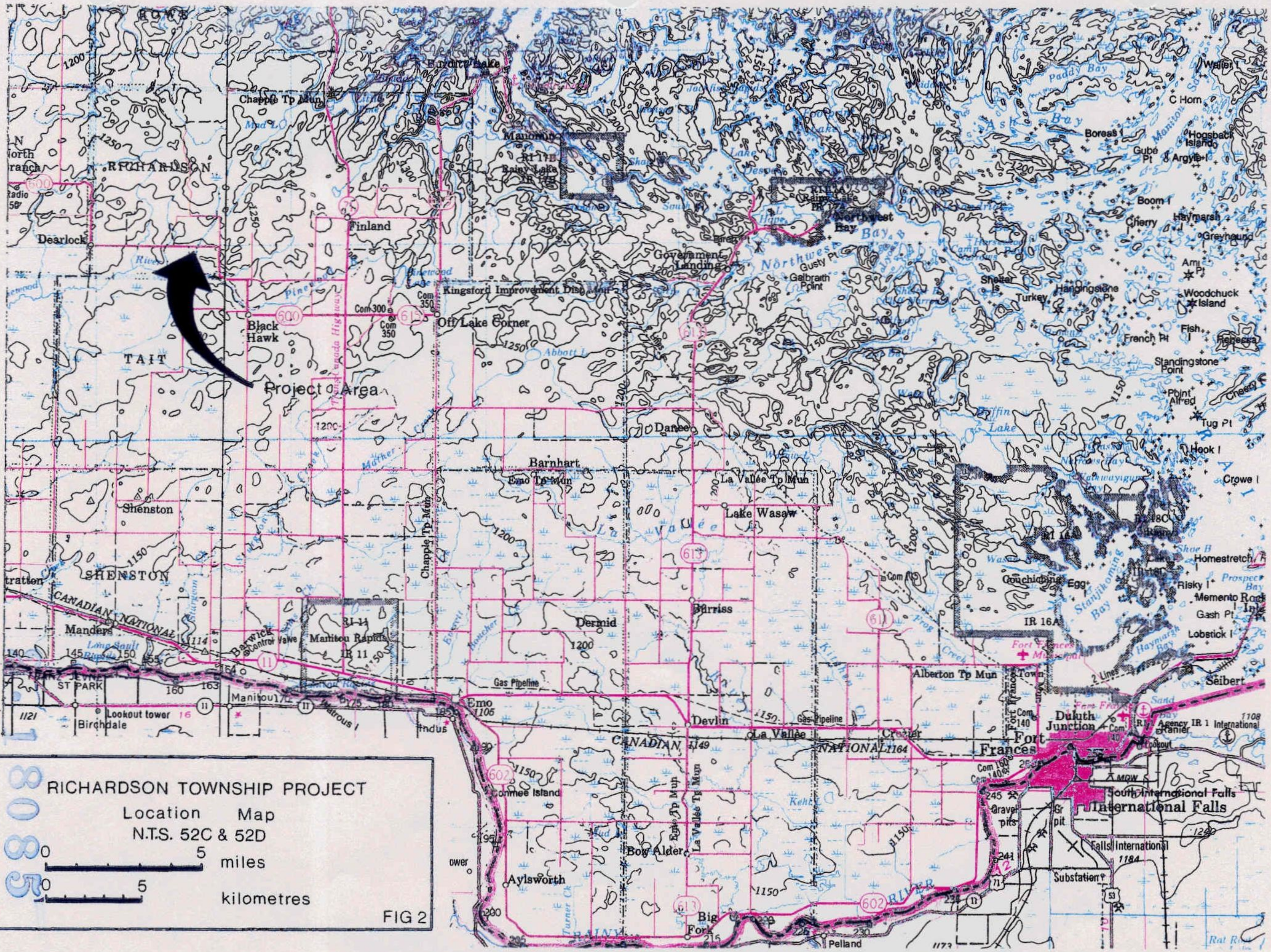
The broad lowland, reduced to a peneplain during Cretaceous time (Teller and Blueule, 1983) has been subject to either two (central areas) or three (west areas) late-Wisconsinan glacial events. Here outcrop ranges from 5-40%, thick drift blankets bedrock surfaces and saprolites are commonly observed in boreholes. The area has been subdivided by Bajc (1991b) into two regions. Region 2a contains 30-40% outcrop by area, and may attain significant relief which is related to bedrock topography; areas separating outcrops are sites of extensive drift accumulation. In region 2b outcrop comprises less than 5% of the surface area, topography is low and undulating, drainage is poor, and peatland is common.

The area underlying the Richardson Township - Potts Township area lies at the margin of 2a and 2b topography. Large outcrop areas to the north and east provide the maximum relief. To the west and south small outcrop areas provide limited relief in extensive flat lying terrane covered by substantial till and bog accumulations.

4.0 EXPLORATION HISTORY

Although exploration activity in the area by individual prospectors dates back to the 1930's,the documented exploration in the Ministry of Natural Resources assessment files commences in 1967. Additional exploration programs are known to have taken place on private land, however a record of assessment has not been filed for this work.

In 1967 copper was recorded from a water well hole on the western shore of Off Lake. Consequently Noranda Exploration Company registered claims around the original discovery and performed mapping, geophysics, and diamond drilling. This activity met with limited success and the claims were allowed to lapse.



RICHARDSON TOWNSHIP PROJECT

Location Map

N.T.S. 52C & 52D

0 5 miles

0 5 kilometres

FIG 2

In 1971 International Nickel Company of Canada Limited conducted airborne and follow-up ground geophysics in the region as a whole. Although there is no record of this work INCO did file a report on two diamond drill holes in Richardson Township in 1973. Reportedly one of these drill holes encountered anomalous gold values (D. MacEachren, per. comm.), however the exact location of this hole remains unknown.

In 1972 Hudsons Bay Exploration and Development carried out airborne geophysical surveys followed by claim staking and ground geophysics. In 1973 HBED drilled 54 diamond drill holes regionally to test 42 E.M. conductors which work included anomalies in Tait Township adjacent to the south portion of the Quetico Fault (Nelson, 1990). The principal target of this exploration was base metal however, none of the work was filed for assessment purposes although it is apparent that it was subsequently available to Mingold personnel.

In the mid 1980's exploration programs were mounted in Menary Township and the Off Lake area by several companies. Agassiz Resources examined the potential for both base metal and gold in both area's with a program of mapping, stripping, sampling, and geophysics over two field seasons. In the process they discovered numerous showings of both gold and copper-zinc and discovered what came to be termed the Agassiz Showing in Menary Township. In 1984 Lacana Mining Corporation undertook a single field season of mapping and sampling over an extensive area adjacent to Off Lake and Burditt Lake. No significant areas of mineralization were reported. Spartan Resources conducted an I.P. survey over a grid adjacent to the eastern shore of Off Lake in 1988. Anomalous responses were obtained from the survey but no further assessment is recorded, although unreported trenching, stripping and sampling was conducted at the site of the survey.

In 1989 Western Troy Capital Resources began a mapping and sampling program on claims staked in Menary Township which partly encompass the lapsed properties of Agassiz and HBED. Both gold and base metal occurrences were discovered during these programs. Following initial exploration for base metals Western Troy discovered "several" native gold bearing, quartz veins late in 1991. The veins are at present interpreted to be the folded and boudinaged fragments of a single original vein. When sampled, this zone returned an average of 1.4 oz/ton gold. Subsequently, additional showings were discovered later in 1991 and during the 1992 season. Interestingly most of these veins are situated in the lowermost unit of the mafic stratigraphic succession of the area in close proximity to the contact of the Sabaskong Batholith.

A 250 ton bulk sample of the veins discovered in 1991 was taken during the 1992 program. Sampling was later expanded to a reported 500 tons and was completed in September of 1993. An additional more ambitious extraction was conducted throughout the 1994 field season (to December, 1994).

Considerable interest was generated in the area west of Finland following the release of the O.G.S. publication "Gold Grains in Rotosonic Drill Core and Surface Samples (1987-1988), Map No. P.3140. In 1989 Mingold Resources Inc. staked 85 claims and optioned property from 12

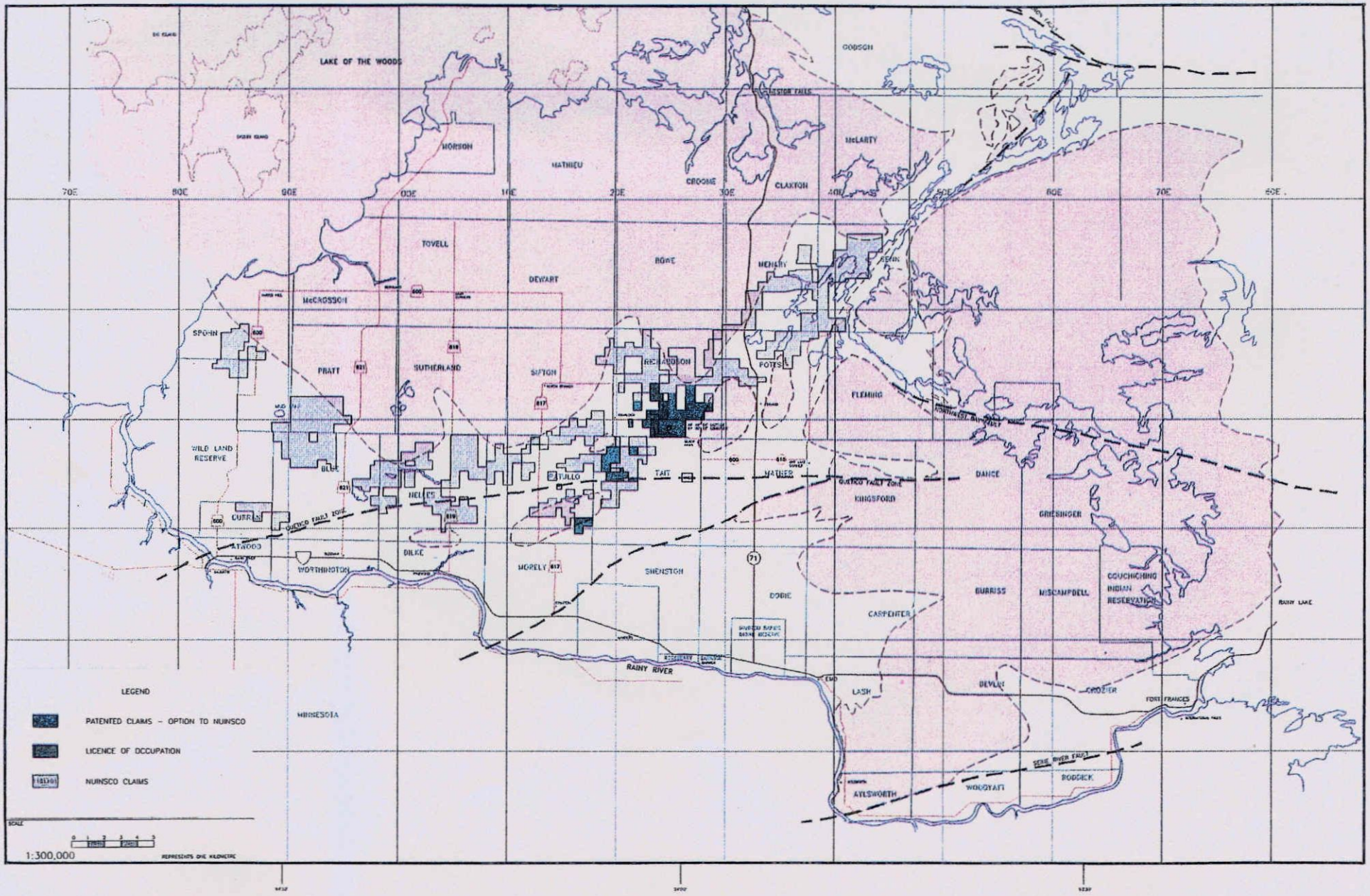


Figure 2 – Location of the Nuinsco Properties in the Rainy River Greenstone Belt.
Source: Cover of Nuinsco Resources Ltd. 1994 Annual Report

local landowners in three separate blocks in Richardson, Tait, Pattullo, and Sifton townships. Between mid-1989 and late-1990 Mingold conducted a sampling program of the glacial drift by hand, backhoe trenching, and reverse circulation drilling. This work was accompanied by geological mapping and ground geophysics. Subsequently, a limited diamond drilling program consisting of three drill holes was carried out in Pattullo Township based on these surveys. The results of this drilling were inconclusive and the anomalous values obtained in the tills were generally left unexplained. The Canadian activities of Mingold were terminated prior to complete assessment of all anomalous results.

Nuinsco Resources began to assemble a land position in the region in 1991, initially centered on the Richardson Township - Menary Township area. In 1993 the land position was expanded to include Crown Land in several townships extending west to the international boundary and currently Nuinsco has claims and options comprising some 24,400 ha across the Rainy River greenstone belt.

Between the initiation of field work in June, 1993, and July, 1996 Nuinsco Resources has completed a Landsat linear study; local I.P., magnetometer, horizontal loop E.M., surface P.E.M., borehole P.E.M., surveys as well as additional interpretation of selected parts of the 1990 government sponsored regional airborne E.M.-mag survey; regional reconnaissance mapping and sampling; enzyme leach soil sampling; detailed grid mapping; outcrop stripping and trenching, four separate programs of rotasonic and reverse circulation drilling, comprising some 382 holes in total; diamond drilling in Menary, Senn and Richardson townships comprising 93 drill holes (22,103 meters).

This report summarizes a portion of the exploration work, namely diamond drilling, which was carried out from May 29 to July 22, 1996.

5.0 CLAIM DESCRIPTIONS

The Nuinsco Resources Ltd. properties discontinuously span some 60 km east to west and encompass 24,436 ha in total at time of writing. It is composed predominantly of mineral claims on Crown Land (18,592 ha), with subordinate optioned patented ground (5,491 ha), and a License of Occupation from the Agricultural Rehabilitation Development Agreement (A.R.D.A., 353.10 ha). The land position in its entirety falls within the jurisdiction of the Kenora Mining Division, Ministry of Natural Resources Administrative District of Fort Frances.

The assessment work conducted and detailed in this report, consists of diamond drilling. All of the work was carried out on patented options in Richardson Township. Property boundary locations are included on map 1 in the pocket included with this report. The patents on which work was conducted are listed below and detailed in the Appendix. The Company is maintaining all options in good standing.

Table 1. **Diamond Drill Holes Collar Locations**

Township	Lot No.	Concession	Drill Holes
Richardson	S1/2, Lot 5	I	34, 35, 36, 38
Richardson	N1/2, Lot 5	I	33, 37, 41, 42, 43, 44, 45

6.0 REGIONAL GEOLOGY

The Nuinsco Resources claim groups and patent options are located in a 900 km long by 150 km wide granite-greenstone belt within the Wabigoon Subprovince of the western Superior Province. Approximately 100 km to the west of the property area the Archaean rocks of the shield are covered by Phanerozoic sedimentary strata in southern Manitoba and Minnesota. Much of the extreme southwest part of the Wabigoon, and particularly the area encompassing the Nuinsco land holdings has been reduced to a peneplain, the result of extensive Cretaceous erosion and weathering. This region is the site of extensive regolith accumulation comprised of (apparently) locally extensive saprolites followed by Quaternary glacial drift, and recent accumulations.

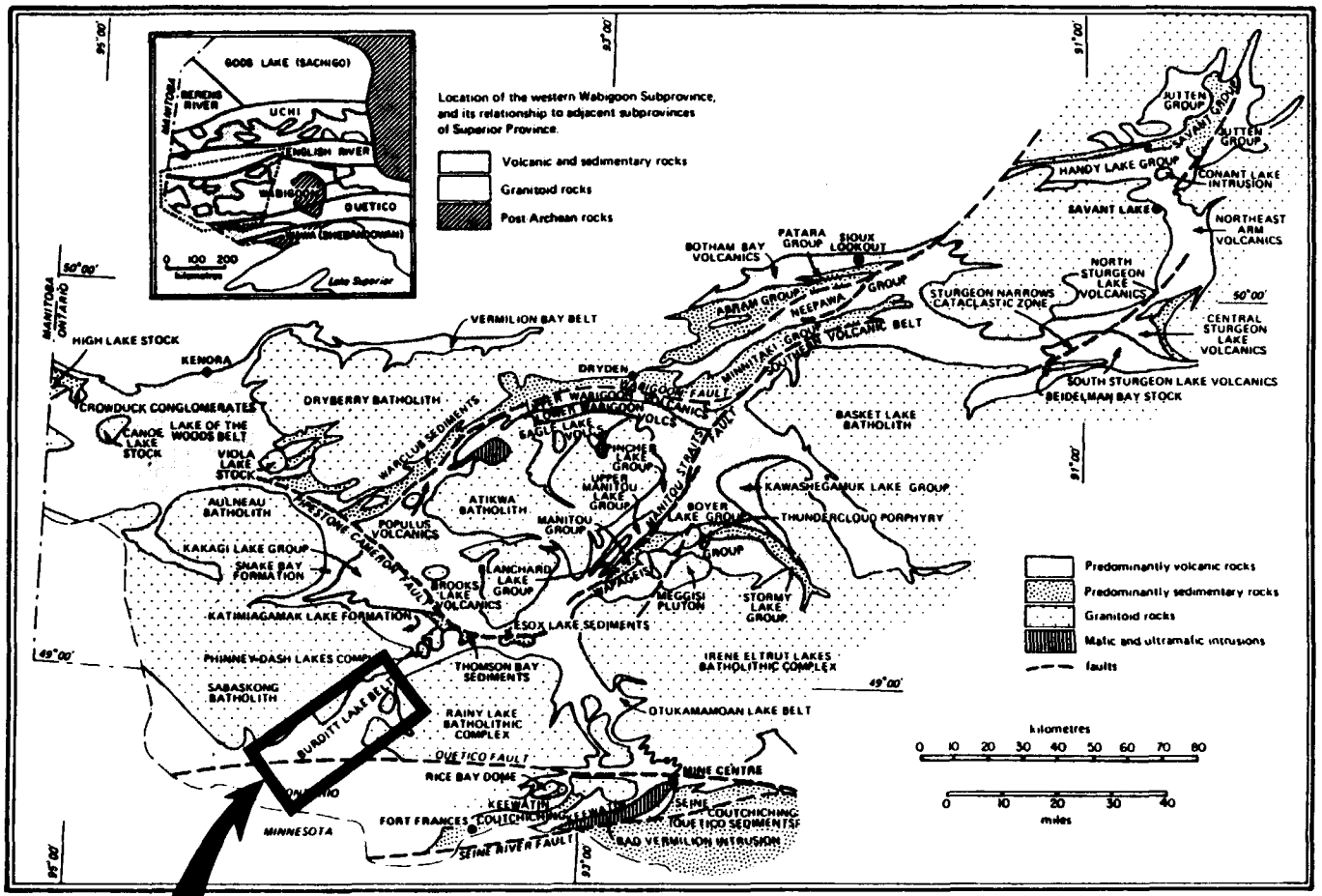
The region has been the subject of several Ontario Department of Mines - Ontario Geological Survey mapping programs (see below) from which much of the geological descriptions are excerpted;

Table 2. O.D.M.-O.G.S. Reports Covering in the Rainy River Region

1954.	Fletcher and Irvine	O.D.M. Vol. LXIII, part 5. The Geology of the Emo Area
1976.	Blackburn, C.E.	O.D.M. G.R. 140. Geology of the Off Lake Burditt Lake
1983.	Edwards,	O.G.S. Report 201. Geology of the Bethune Lake Area.
1988.	Johns, G.	O.G.S. Map P3110. Geology - Rainy River Area.

6.1 *Precambrian Geology*

The Western Wabigoon region underlying the Nuinsco claim groups is composed of supracrustal metavolcanic and metasedimentary rocks of the Rainy River Greenstone Belt (Blackburn et al., 1992). Syntectonic granitoid batholithic complexes (Sabaskong Batholith, Fleming Township Tronjhemites, Jackfish Lake Complex) occupy the northwest, northeast, and east of the region respectively. Late to post tectonic stocks such as the zoned Blackhawk, homogeneous Finland and inhomogeneous Burditt Lake, as well as other unnamed intrusions are located within the boundaries of the greenstone terrain.



RAINY RIVER DISTRICT

REGIONAL GEOLOGY
WESTERN WABIGOON SUBPROVINCE AND ITS MARGINS

Figure 3

The extreme northwest of the greenstone belt centered around the north part of Burditt Lake and Pipestone Lake is underlain by submarine mafic flows and pretectonic, subvolcanic, quartz-hornblende gabbro and leucogabbro intrusions (Edwards, 1983). These rocks have been folded into the northeast trending Silver Lake Syncline, the axial trace of which is identifiable to Dad Lake in the north and to the contact of an apophysis of the Sabaskong Batholith near Tompkins Lake in the south. Rare occurrences of mafic to intermediate tuff (described as shardy to ashy, Edwards, 1983) occur within the metavolcanic package. Where mapped in the Burditt Lake area, the metavolcanic succession is approximately 4 - 5 km wide and is sandwiched between the Sabaskong Batholith to the northwest and the Jackfish Lake-Weller Lake Pluton to the southeast. Edward (1983) ascribed a crude zonation in the metavolcanic assemblage, consisting of a Lower Mafic Group of 300 – 900 m thickness adjacent to the Sabaskong Batholith, overlain by a Middle Mafic Group.

The metavolcanic stratigraphy to the central part of the region extending south to the interpreted trace of the Quetico Fault has been subdivided on lithological grounds. In the north and west of the project area the stratigraphy has been divided into six distinct mafic tholeiitic units, while in the south and east five distinct intermediate-felsic calc-alkaline units have been identified. The underlying mafic members comprise approximately 2/3 of the metavolcanic pile and the overlying felsic-intermediate accumulations approximately 1/3. The true thickness of the entire sequence is estimated at approximately 4.5 km, however the belt narrows to approximately 1.6 km near the boundary between Richardson and Potts townships, and broadens to more than 10 km as a result of folding near the Sifton and Richardson townships boundary. The mafic volcanics are described as being composed of massive, porphyritic, and pillow lavas and gabbroic lavas (gabbro's?). The felsic-intermediate rocks are described as volcanic to subvolcanic and equivalent intrusive phases and are composed of pyroclastic breccias, lapilli tuffs, ash tuffs, and quartz-feldspar porphyries. The late to post tectonic Blackhawk and Finland stocks have been intruded into the center south of the project area, deflecting bedding radically around the intrusions.

In the west of the region (i.e. west of the Sifton - Richardson townships and Tait-Pattullo Townships boundaries) preliminary mapping by Johns (1988) has crudely outlined the meta-volcanic stratigraphy, although mapping was greatly hindered by the lack of outcrop in this area of extensively covered glacial drift. The metavolcanic rocks are divided into two stratigraphic units. A lower mafic unit consisting of massive and pillowed mafic flows with local pillow breccia, hyaloclastite, and feldspar phyric flows. Gabbro occurs in the extreme west, northeastern and southeastern portions. An upper diverse member conformably overlies the lower member and is composed of interbedded and interdigitated mafic and intermediate flows, debris flows, intermediate pyroclastics, wacke, and reworked tuff. In the eastern portion of this area volcanic derived metasediments (bedded wackes) have been mapped and extend eastward.

The south and southeastern part of the region south of the Richardson-Potts-Fleming townships south boundaries was mapped by Fletcher and Irvine (1954). Felsic and intermediate metavolcanics occur in the south of the area in Dobie and Shenston townships (also in the north as the southern continuation of the metavolcanics mapped by Blackburn). These units are composed of quartz-feldspar porphyries, blocky fragmentals (agglomerate), and tuffs.

Mafic metavolcanics occur in association with the felsic-intermediate members and are composed of fine to coarse grained flows and pillow lavas and associated interbedded mafic rich interflow metavolcanic sediments. In addition, extensive wackes occur in two bands extending from west of the map area (see Johns, 1988) and have been interpreted to be the opposing limbs of a syncline. These bands are separated by a granitoid (granodiorite) intrusion. The metavolcanic-metasedimentary stratigraphy is again intruded by numerous igneous bodies including the southwestern extensions of the Rainy Lake Batholithic Complex, as well as mafic intrusions such as the Dobie Intrusion and the Lash-Carpenter Intrusion.

Regional metamorphic grade is regarded as being generally of greenschist to low-mid amphibolite facies (although higher grades are noted by Johns in the west and Fletcher and Irvine in the south and west). Metamorphic grade, particularly adjacent to the late-post tectonic stocks may attain upper amphibolite with possible local partial re-melting of the host rocks.

Structurally, the region is complex and very little of the structural elements have been worked out. Evidence of stratigraphic facing comes dominantly from the presence of pillows. In the extreme north, the metavolcanic succession has been folded around the Sabaskong Batholith into the east-northeast trending Nightjar Anticline which is paired with the Slender Lake Syncline to the southeast. The Helena-Pipestone Lake Fault extends south to Dad Lake and in the north approaches the trace of the Pipestone-Cameron Fault. Continuing to the south the metavolcanic stratigraphy of the Off Lake-Burditt Lake area are considered to form a southeasterly facing homoclinal sequence between the Sabaskong Batholith and the Burditt Lake Stock and the Fleming Township Tronjhemites. Farther to the west the metavolcanic-metasedimentary stratigraphy has been folded about the north-south axes of the southward plunging Deerlock Syncline which is paired with an unnamed anticline in Richardson Township. South of this area Johns (1988) has inferred the presence of a complex fold pattern, showing several anticline-syncline pairs which strike northeast curving to the east. Fletcher and Irvine (1954) infer the presence of three folds, two anticlines and a syncline with east to northeast striking axes - as with those mapped by Johns.

The southern part of the region is transacted by the Quetico Fault, although the surface trace of the fault is only conjectured towards the west. The fault is traceable for over 200 km and in part defines the southern boundary of the Wabigoon Subprovince which lies to the east of the project area. Dextral transcurrent offsets are interpreted to be the major movement, estimated to be up to 128 km (Mackasay et al., 1974, Blackburn et al., 1992). A southerly splay from the Quetico is interpreted to strike northeast passing near the village of Stratton.

Well defined penetrative deformation is commonly observed on a regional scale. At the margins of intrusive bodies foliation/schistosity can be very strongly developed, striking tangentially to the contact of the intrusion.

6.2 *Cretaceous Geology*

Cretaceous Sediments occupy the Red River Valley and are observable in Manitoba, Minnesota, and North Dakota where they blanket older sediments that fringe the Williston Basin (Bajc, 1991b). In the Rainy River region no exposures of Cretaceous age have been documented, however an outlier of Cretaceous marine clay has been noted 65 km south of Fort Frances, suggesting a more extensive pre-existing presence (Bajc,1991b). Middle Cretaceous, non-marine, fossiliferous, clastic sediments have been encountered in an O.G.S. borehole 7.5 km northwest of Rainy River. Composed primarily of white to buff colored, moderately sorted, silica sand and gravel, this occurrence is located in a protected hollow, down-ice from prominent bedrock highlands.

Results from the Nuinsco 1995 and 1996 overburden drilling programs suggest more widespread occurrences of probable Cretaceous and possible Jurassic sediments across the Rainy River district.

Thick saprolites (of diverse protolith), presumed to be Cretaceous in age have also been documented. These units attain in excess of 60 m and have been encountered in several O.G.S. and Nuinsco overburden boreholes and diamond drill holes. This weathered profile suggests previously widespread residual soil over much of the Precambrian Shield which was subsequently removed by Quaternary and Tertiary erosion (Bajc, 1991b).

6.3 *Quaternary Geology*

The youngest members of the stratigraphic succession are widely distributed, unconsolidated sediments which blanket the entire region and become very thick to the west.

Generally the unconsolidated sediments encountered are Late Wisconsinan tills. However, reports in Bajc (1991b) indicate that pre-Late Wisconsinan tills have been preserved locally under significant Late Wisconsinan till cover and have only been observed in boreholes; they are interpreted to be Early Wisconsinan or perhaps Illinoian in age.

The oldest Late Wisconsinan deposits are attributed to an ice advance originating from the northeast (Labradorean Lobe, Laurentide Ice Sheet), and has been named the Whiteshell Till. This till is widely distributed as a discontinuous veneer in bedrock depressions and in the lee of topographic highs (Bajc, 1991b). It is also concealed beneath younger tills and is observed in overburden boreholes in the west part of the project area. This till may contain 15-70% clasts with lithologies which closely reflect the underlying bedrock type. The matrix is composed of sand and silt with only minor clay (Bajc, 1991b). Associated glaciofluvial sediments were deposited either subglacially or subaqueously and consist of stratified sands and gravels.

Overlying Labradorean derived drift are Keewatin derived tills which originated with ice advancing from the west. These tills extend east to the site of the present day Lake of the Woods Rainy Lake Moraine. The Whitemouth Lake till is the oldest Keewatin derived till. It is composed of a sand-silt-clay matrix comprising 90-95% of the unit and containing generally <5cm pebbles of dominantly carbonate composition, although shale, siltstone and lignite are also noted.

The youngest till, again Keewatin derived, is the Marchand till which is deposited in the extreme west of the project area. It often is in direct contact with the Whitemouth Lake till or may be separated from it by up to several metres of glaciolacustrine sediments. The matrix is composed of sand-silt-clay (lower clay content than in the Whitemouth Lake till) and contains up to 10-20% clasts of similar composition to the pebble fraction in the Whitemouth Lake till.

Glacial deposition was complete shortly after 11,600 years B.P. (date of the Whitemouth Lake till deposition - Bajc, 1991b). The initial phases of Glacial Lake Agassiz commenced around 11,500 years B.P. and the lake inundated parts of the region, depending on water level fluctuations, until 7,500 years B.P. Glaciolacustrine phases of deposition recognized in the region include pre-Lockhart (pre-Late Agassiz), Lockhart, Moorhead, Emmerson, Nipigon, and Ojibway phases. All phases consist of sand, silt, clay, glaciolacustrine-lacustrine sediments deposited between and above the previously deposited till horizons.

6.4 *Recent Deposits*

Extensive peat deposits occur throughout the project area, attaining 8 m depth in the east near Fort Frances and generally thinning to the west. Radiocarbon dating gives a maximum age of approximately 5,000 years for these deposits.

Finally recent alluvium, and eolian deposits are restricted to the floodplains of the major water courses. They are composed of organic rich sand, silt, and clay (Bajc, 1991b).

7.0 LOCAL GEOLOGY

The local geology of Richardson Township and immediately surrounding townships has been generally poorly understood because of the paucity of outcrop and lack of past exploration activity. As mapped by Blackburn (1976) and Johns (1988) this area is underlain by a thick succession of tholeiitic mafic metavolcanics which conformably passes into an upper diverse metavolcanic unit, often intermediate in composition.

Recent mapping, overburden drilling, and diamond drilling by Nuinsco have further served to define the geology in the are of central southeast portion of Richardson Township. The following rock descriptions are taken from both drill core observations and notes from surface outcrops.

7.1 *Lower Mafic Succession*

The most abundant metavolcanic rocks in the project area are mafic metavolcanic massive and pillowed flows, flow breccias and tuff-hyaloclastites, and interflow and graphitic sediments. These units correspond with M3 and M5 members of Blackburn's (1976) six member mafic stratigraphic succession. They have also been observed in the northern part of Richardson Township and are folded around the nose of an unnamed anticline. The strike varies from approximately 45□ (on line 22+00E) to approximately 115□ (to the west of line 4+00W). Pillow tops comprise the sole criteria for stratigraphic facing and have been used to define the presence of a synclinal fold (i.e. tops are to the southeast of line 0+00 while on line 32+00W tops to the southwest were observed). The contact between the mafic metavolcanics and the overlying intermediate succession is conformable. In drill core this contact is defined by well bedded pyritic (± pyrrhotite) - graphitic sediments and magnetite bearing iron formation.

7.2 *Felsic-Intermediate Succession*

Abundant lichen growth and uniform weathering have hindered detailed mapping of individual stratigraphic units within the upper diverse succession. Efforts to clean individual outcrops, and subsequent diamond drilling indicate that the stratigraphy within the upper diverse succession can be both varied and complex. Certainly, evidence from stripped outcrops indicates that numerous distinct members comprise the stratigraphic assemblage and, that as a result of subsequent deformation, these units may be truncated, juxtaposed or folded.

Whole rock analyses indicate that most of the members of this succession plot within the calc-alkaline domain of the Jensen Cation Diagram as rhyolites through to basalts. The preponderance of samples however, fall within the dacite and andesite fields. Observations from diamond drill holes and whole rock sampling show the succession to also include theoleiitic and locally ultramafic (komatiitic) units.

As with the underlying mafic metavolcanic assemblage the felsic-intermediate surface rocks have been folded about the north-south axis of the anticline, however contacts are difficult to identify at surface. Abutting the western contact of the Blackhawk stock , mapping, overburden drilling and diamond drilling show these units to extend well to the west and northwest of earlier interpretations, ie. West of lot 8 con I and II, Richardson Twp.

In addition to the quartz eye dacite fragmentals (crystal-ash tuff) which form the dominant portion of the succession, subordinate, intermediate, flows and possible quartz ± feldspar intrusions of sub-meter to decimeter widths have been noted. Contacts between individual horizons in this part of the stratigraphic package are usually not well defined. Some local grading of quartz crystals occurs has been mapped.

Thinner, often well bedded tuffaceous and sedimentary horizons, which may be siliceous, chloritic, argillic, or graphitic, and oxide facies iron formation have been intersected in drill holes, particularly in the south part of the gridded area line 7+00S - 14+00S, 2+00W -10+00W.

The intercalated, fine grained, mafic flow/tuff horizons which have been intersected in several drill holes throughout the predominantly intermediate stratigraphic succession are up to 250 m thick. At surface these mafic units lie between lines 6+00W and 10+00W near the 8+00S tieline. These units exhibit a characteristic buff-rust weathering of the iron-carbonate mineralization and are the sites of the anomalous gold mineralization contained within narrow (cm scale) shears. The rocks are pyritiferous and silicified.

A subordinate but highly visible member of the succession is a matrix to fragment supported, blocky fragmental unit containing abundant groundmass chlorite enveloping the more siliceous clasts/pyroclasts. Typically these horizons contain 45-50 weight % SiO_2 and up to 25% pyrite by mode, in bands that possibly define bedding. These units stand out in outcrop as they weather to a dark brown to black gossan. They are tentatively interpreted to be debris flows.

A noteworthy feature of the upper diverse succession is the abundance of disseminated sulfide mineralization encountered, particularly within the quartz eye dacite member. It is evident on weathered outcrop surfaces as ubiquitous rusty patches. In drill core the pyrite is observed as fine disseminations and fracture fillings, locally (as in the "17 Zone") with abundant sphalerite. As fracture fillings, the sulphides are often associated with quartz, chlorite, and carbonate, implying a suspect epigentic origin. A pyrite content of approximately 3%-5% is ubiquitous across this area and measures > 2 km by > 1 km in size. In addition, subordinate pyrrhotite, chalcopyrite, galena, arsenopyrite and visible gold have been observed.

7.3 *Felsic-Intermediate Intrusions*

Abundant felsic-intermediate dykes cut the mafic stratigraphic succession. They are particularly abundant on a large area of outcropping mafic volcanics lying between 6+00 E and 11+00 E. Here they bifurcate and rejoin but generally strike at approximately 30□. The dykes range from decimeter to tens of metres in thickness. Textural and chemical similarities between these bodies and the intermediate metavolcanics stratigraphically above suggest that these dykes were feeders to the felsic-intermediate succession.

These dykes are light to medium gray on fresh surfaces and weather to a buff color. The groundmass is aphanitic with local quartz and or feldspar phenocrysts. They rarely contain more than a trace amount of sulphide mineralization. There is a strong similarity between the dykes and the fragmentals up-section; in all probability these units have been confused with one another.

7.4 *Mafic-Ultramafic Intrusions*

Narrow (often sub-meter) mafic intrusions are frequently intersected in drill holes. In general these bodies are aphanitic to fine grained, massive to weakly feldspar phyric. Concordant and discordant contacts occur while shearing at the contacts is common. Sulphide mineralization is generally limited to less than 2%. They are variably magnetic.

In contrast to the inconsequential mafic units mentioned above, diamond drilling has partially defined an irregular shaped, south dipping, discordant, layered mafic-ultramafic intrusion between lines 3+50W and 6+00W. This body is now known to extend from less than -75 m to greater than -200 m depth. Intercepts of up to 135m have been obtained. Lithologies identified within the lobes or septa which define the intrusion as intersected to date include (from hanging wall (south) to footwall (north)), k-spar-quartz bearing gabbro, gabbro, pyroxene phyric gabbro, pyroxenite and dunite. Contacts may be sharp, locally with reaction rims, or sheared/faulted. Chloritization is ubiquitous, while local serpentinization and steatization occurs also.

Although traced for over 250m along strike the body is discontinuous as a result of fault offsets and appears to bifurcate as a series of individual septa separated by lobes of host dacite; possibly indicating that intersections to date have encountered the periphery of a larger intrusion extending to depth.

The pyroxenite-dunite contains intercumulate sulphide mineralization in embayments. These sulphides appear to occur as distinct horizons and can comprise nearly 100% of the mode. Sulphides which have been identified either in hand specimens or by electron microprobes include; pyrrhotite, pyrite, chalcopyrite, pentlandite, tellurides including merenskyite, michenerite and hessite and the arsenide sperrylite. Economic grade assays in Cu, Ni, Au, Pt, Pd and Co have been obtained from the sulphide intersections obtained from NR-95-34 and NR-96-31.

7.5 *Black Hawk Stock*

Where encountered the Black Hawk Stock is generally an equigranular, coarse grained, unfoliated, pink-grey monzonite of the marginal phase of the stock. Rarely observed are outcrops of the interior zone, a grey, porphyritic granodiorite phase. Outcroping of the Black Hawk stock tend to be larger than the metavolcanic ones and display significant positive relief.

The contact between the Black Hawk Stock and the enveloping metavolcanic rocks is generally unexposed. Numerous narrow aplitic and rare pegmatite dykes are observed to transect metavolcanic stratigraphy in proximity to the stock. These typically can be measured in decimetre to meter thicknesses. In the extreme south-east of the project area, near Blackhawk, the contact with the country rock is observed to be sharp and unmineralized.

7.6 *Diabase*

One Proterozoic diabase dyke was observed in outcrop near the southwest corner of Lot 4, Concession I Richardson Twp. It is approximately 10 m thick, weathers to a medium brown color, has a near vertical dip and strikes 230□. The strike extension of this diabase is inferred from intersections in drill holes on the north half of Lots 5 and 6, Con I and the south half of Lot 6, Con II. The diabase is well defined where it passes in close proximity to the mafic-ultramafic body on line 4+00W. Note that this dyke appears to have a sinestral offset of several tens of metres near line 2+00W.

7.7 *Structural Geology*

The rocks underlying the project area in Richardson Township are interpreted to be folded about the nose of a south plunging anticline which is thought to be paired with the Dearlock Syncline located approximately 3 km to the west.

On the east limb of the anticline between lines 22+00E and 0+00 bedding measurements on the relatively abundant outcrop show the strike to be approximately 50□ to 60□ strike. The few measurements available between lines 0+00 and 8+00W show the strike to be almost east-west. To the west of 8+00W no measurements are available but intersections obtained from overburden drilling and very rare pillow facing obtained from an outcrop in the west of the map area are consistent with strike to the northwest. Where measured, bedding varies from vertical to approximately 70□S, although near the nose of the anticline dips may be much shallower - between 50□ and 60□ south.

Regional foliation closely parallels the bedding and as one would expect deflected around the nose of the fold. Planar fabrics are well developed throughout the volcanic pile except in the coarser grained gabbroic basalt and felsic-intermediate dykes. Intense foliation/schistocity is developed on the large intermediate-felsic outcrop located on lines 19+00E and 20+00E. This sheared rock lies adjacent to the Black Hawk Stock and parallels the inferred contact of the intrusion. The fabric is also often folded and contorted and envelopes dismembered, boudinaged veins and dykes within the deformed intermediate volcanics.

Observations from diamond drilling show ubiquitous deformation of variable intensity. Since the foliation/schistocity obscures or completely masks the pre-existing texture structures can rarely be traced from section to section. Stripping and washing of outcrops between lines 6+00W and 10+00W has uncovered a number of narrow (cm scale), auriferous shears which strike 80□-115□ and dip 50□-60□ south. Further, more diffuse deformation in a wider (approximately dm scale) zone is noted from other trenches in the same area.

Faulting, based on lithological discontinuities and alteration observed in drill core are inferred in the south part of Richardson Township. Magnetic discontinuities may also imply faulting. Although more than one direction is assumed a north-south set may significantly modify the stratigraphy. In particular, several faults transect the mafic-ultramafic body between lines 5+00W and 6+50W. These structures display dextral and reverse sense of motion and result in truncation and juxtaposition of the intrusive body.

8.0 JUNE – JULY 1996 DIAMOND DRILLING

The report describes the results of diamond drill holes NR-96-33 to 38, and 41 to 45 drilled during the months of June through July 1996. During this time a total of 3,270.74 m of core was recovered.

Two drilling contractors were engaged during the 1996 spring program; Ultra Mobile Diamond Drilling of Surrey, British Columbia, and Bradley Brothers Diamond Drilling of Rouyn-Noronda, Quebec. Bradley Brothers. drilled all of the holes reported on here, producing NQ core. Drill hole data is tabulated in tables 4 to 7 (Appendix II), the drill logs and assays are located in appendix III and IV, drill cross sections and the drill plan are located in the pocket. A brief description of the drill targets and results follows.

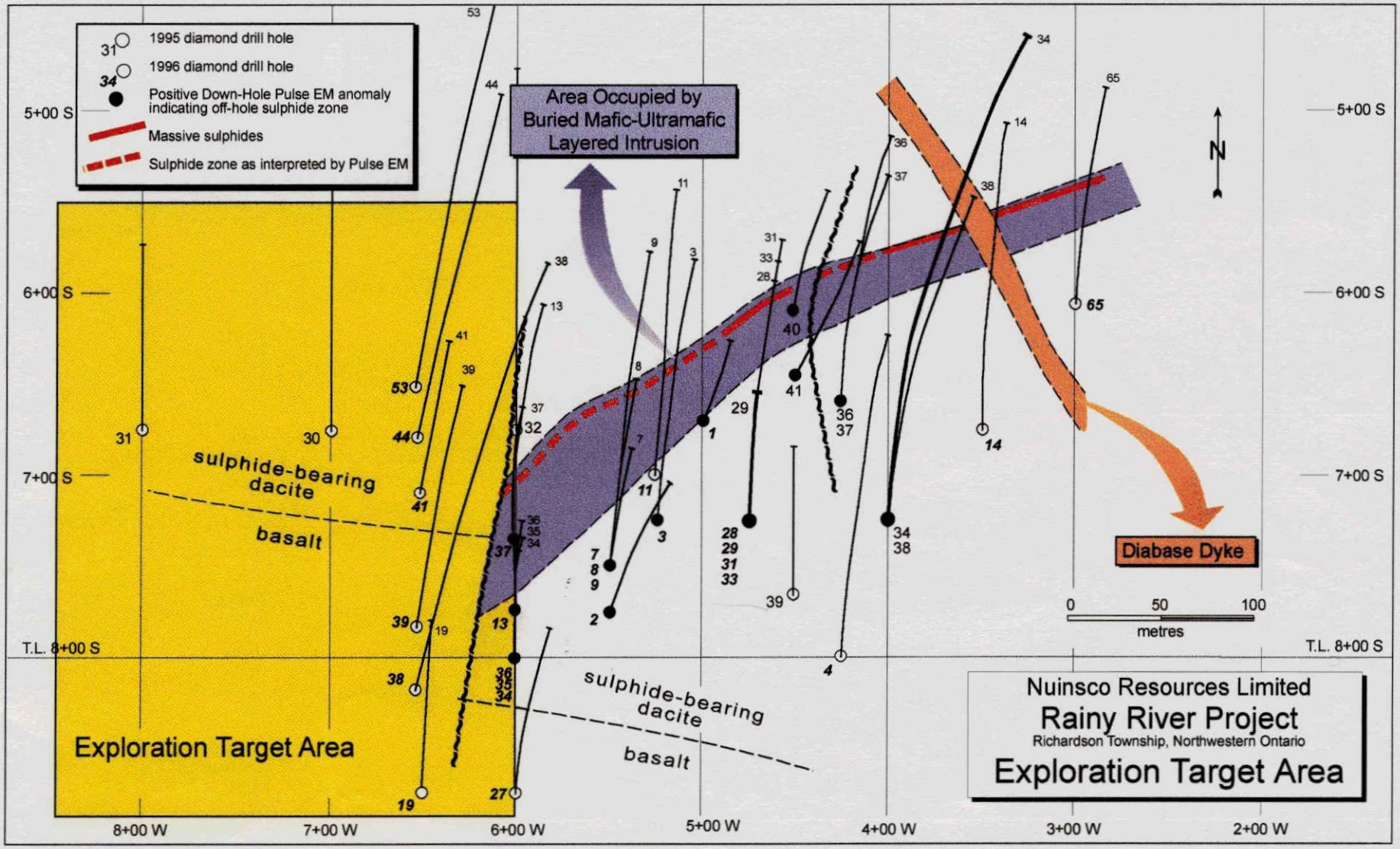
Drill Holes NR-96-33 to NR-96-38, NR-96-41, 42, 42W and 44:

Since the initial intercept of copper-nickel sulphides in NR-95-34 (November, 1995) numerous drill holes have been collared between lines 2+50W and 6+00W in an attempt to trace the mafic-ultramafic body and contained sulphide mineralization. From June to the end of July, 1996 holes 33 to 38, 41, 42 and 44 were drilled to test the intrusive for further mineralization (see location map, next page).

The mafic-ultramafic (MUM) intrusive which is host to the sulphide mineralization, is a very irregular and complex body. This MUM is elongated along a NE-SW orientation (strike of 45°) and is discordant to local bedding thus indicating an intrusive origin. At present it is known to extend 350m along strike and may attain widths of >100m. To year end 1996, 43 drill holes totaling 12,636 metres have been collared on 25m and 50m centers with the principal aim of intercepting additional sulphide mineralization.

The contacts of the body with the enveloping dacite pyroclastics are often deformed. It is assumed that the current geometry of the body has been strongly influenced by tectonism which has resulted in faulting and has disrupted/dismembered or offset the MUM intrusion. A series of N-S faults is inferred from LANDSAT interpretation and from geological and geophysical discontinuities to transect the volcanic stratigraphy. The competency contrast existing between the MUM and the dacite metavolcanics (and possibly between the different phases of the fractionated/zoned MUM) would also be prone to failure and may have resulted in faulting coincident with the contact of the MUM at or near parallel to the strike of the body.

In the eastern half of the body the MUM appears to dip steeply to the south, while the western portion of the body is more ovate in form and hence a single preferred dip does not apply. In drill core the intercepts may be composed of a single (albeit zoned/layered/fractionated) intrusion however the body has also been intersected as a series of narrow intercepts separated by septa of host dacite. The latter is more common to the east. The presence of the Proterozoic diabase dyke which transects the host dacites and the MUM has produced little offset, the sulphide intersections of NR-95-51 and 65 to the east of the dyke being only slightly offset (i.e approximately 10m), in an apparent sinistral sense from the predicted location based on intersections to the west.


1995 diamond drill hole
1996 diamond drill hole
Positive Down-Hole Pulse EM anomaly indicating off-hole sulphide zone
Massive sulphides
Sulphide zone as interpreted by Pulse EM
Area Occupied by Buried Mafic-Ultramafic Layered Intrusion
Diabase Dyke
sulphide-bearing dacite
basalt
sulphide-bearing dacite
basalt
Exploration Target Area
N
0 50 100
metres
5+00 S
6+00 S
7+00 S
T.L. 8+00 S
8+00 W
7+00 W
6+00 W
5+00 W
4+00 W
3+00 W
2+00 W
Nuinsco Resources Limited
Rainy River Project
Richardson Township, Northwestern Ontario
Exploration Target Area

The MUM body displays typical igneous textures. Medium to coarse grained feldspar, and altered pyroxene (augite replaced by hornblende and chlorite) comprise the fractionated gabbroic portions of the body and intervals (approaching 100m) of relatively homogeneous texture have been intersected in the western portion of the body (eg. NR-96-07, 08, 09, 34, 35 36, and 42). K-spar and quartz have been observed near the hangingwall contact, although they may have been introduced as a result of alteration or absorption of the dacitic volcanics. Olivine is observed locally in the zone transitional to pyroxenite. Magnetite is ubiquitous but of variable abundance. The amount of feldspar decreases towards the footwall zone which is composed of pyroxene rich gabbro and pyroxenite. The transition from the upper gabbroic portions of the body to the lower pyroxenitic entails a progressive increase in MgO content from 5-6% to >20%.

Alteration of the country rock is observed as a widespread halo adjacent to the MUM. Pervasive bleaching (sericitization), less widespread chloritization (in fractures and finely disseminated in the groundmass), widely distributed garnet mineralization, local epidote, and introduction of sulphide into fractures in the dacite adjacent to the MUM are distinct manifestations of this event. Many of these characteristics are similar to the alteration found in the 17 Zone perhaps indicating a potential genetic link between the two mineralized bodies. Possible assimilation and recrystallization appears to be more developed to the east than to the west.

It is hypothesized that the MUM, at this location was emplaced as an apophysis from a larger intrusive body and was forcefully introduced into distended country rock producing a mega-breccia. To the west obvious chlorite alteration and bleaching and local recrystallization are noted but in general the emplacement of the body in this location appears to have been a somewhat more passive process.

To the west there is a unidirectional increase in sulphide content towards the footwall contact. Initially, sulphide occurs as blebs and ovate patches within the silicate groundmass. These sulphides are composed dominantly of pyrite and pyrrhotite. Occasionally the sulphide content does not progress beyond this level, however where drill intercepts have been obtained from the lowest portion of the MUM, intercumulate sulphide (py, po ±cpy) comprising up to 5%-15% of the mode occurs (NR-96-34, 42). Less commonly, higher sulphide concentrations occur at the footwall contact which may be marked by cm scale massive sulphide bands, and fractures composed of pyrrhotite, pyrite and chalcopyrite. This material may also have migrated into fractures in the enveloping country rock. In the thicker parts of the MUM the progression may be up to 35m thick

The eastern intercepts of sulphide mineralization are more complex. Sulphide is more abundant where blebby sulphides grade through intercumulate/net textured sulphide into a massive sulphide base. The interval over which sulphide mineralization occurs comprises a much higher proportion of the total MUM intercept (i.e. up to 70%) than in the west and the interval over which economic grades are obtained may attain thicknesses of 7m or more.

Sulphide species identified include pyrrhotite, pyrite, chalcopyrite and pentlandite. In drill holes NR-95-34 and NR-96-31 the progression from disseminated/net textured sulphide to massive sulphide occurs twice, implying a prolonged and repeated sulphide accumulation and concentration event. Single sulphide accumulation cycles occur in NR-96-51 and NR-96-65. The presence of two cycles of sulphide accumulation cycles in the west may imply the presence of more substantial sulphide mineralization in that direction which would indicate that the source would be further westward or much deeper. The tenor, however, increases to the east (with respect to Ni, Cu, Pt, Pd, and Ag), at apparent odds with this observation.

The following table summarizes the grades and widths of mineralization intersected to date:

34 Zone Ni-Sulphide Intersection Values

DDH No.	Au g/t	Cu %	Ag g/t	Co %	Ni %	Pt g/t	Pd g/t
NR-95-34	2.90	0.78	7.1	0.060	1.08	0.91	2.11
NR-96-31	3.07	2.32	23.1	0.110	2.26	3.16	7.71
NR-96-51	0.55	2.68	32.4	0.076	2.76	3.4	8.05
NR-96-65	0.69	2.18	40.47	0.090	2.94	2.86	7.56
Weighted Ave	1.59	1.65	22.51	0.079	1.98	2.35	5.94
Mode	0.60	N/A	12	0.086	2.39	2.21	6.44
Median	0.07	1.20	19	0.076	1.93	2.16	5.47

None of the holes reported here for assessment work intersected any significant mineralization, however off-hole responses from the down-hole geophysics indicate that the sulphide lens lies close by (refer to the geophysical logs filed in the Appendix).

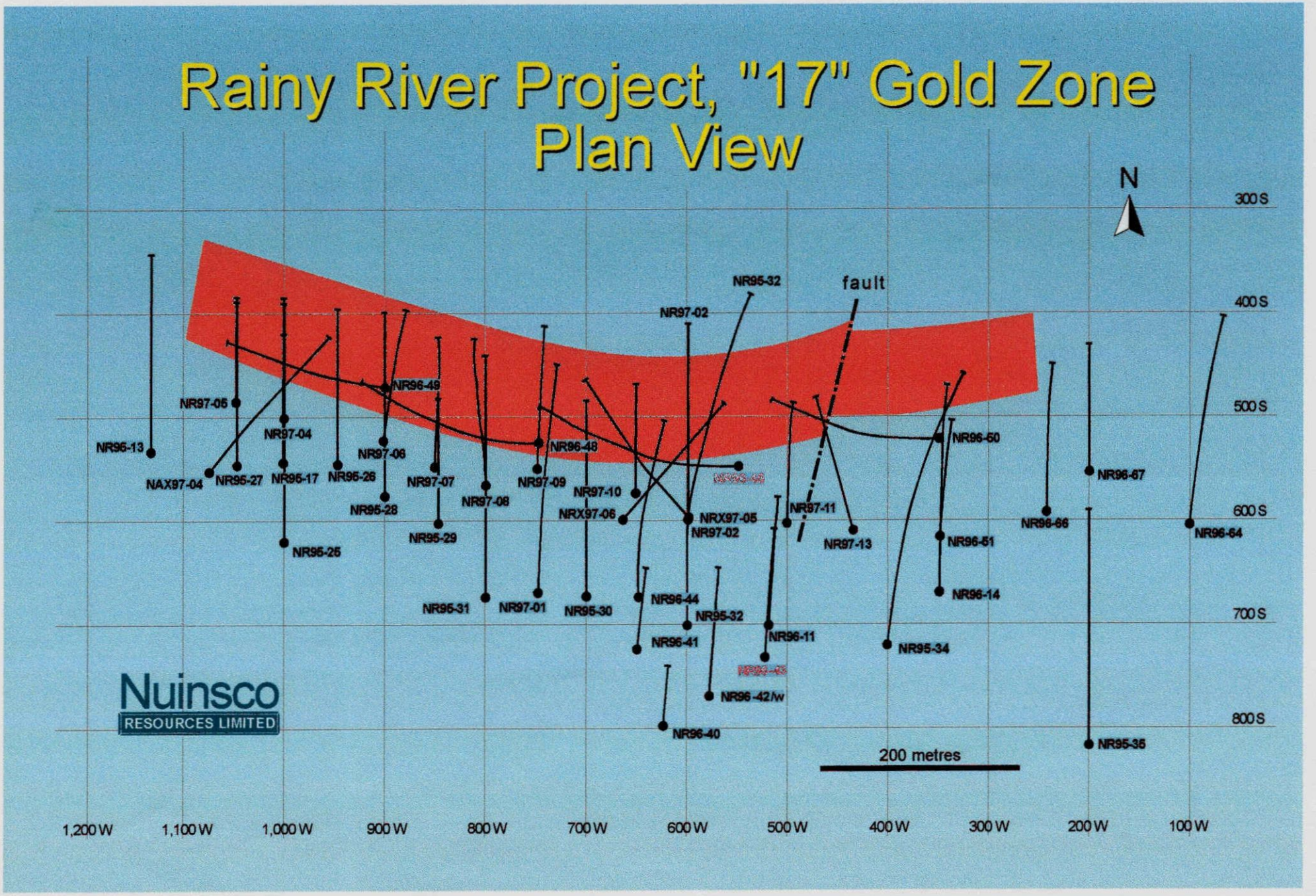
Drill holes NR- 96- 43 and 45:

Two drill holes were specifically drilled to test the #17 Gold Zone (see figure, next page).

The 17 Zone is a broad, diffuse zone of gold mineralization hosted by quartz eye dacite and ash tuffs. It has been traced from 2+00W to 11+50W; at either extremity the zone has narrowed significantly but it is open down-dip. Between 6+00W and 3+50W gold mineralization in dacitic metavolcanics is spatially associated with the mafic-ultramafic host to the 34 Zone copper-nickel sulphide mineralization.

The gold mineralization occurs within a structure which is coincident with the east-central part of a relative magnetic low. This prominent magnetic feature extends, apparently discordantly, from the Black Hawk Stock in the east to the Sabaskong Batholith in the west, a distance of some 11 km.

Nowhere is the 17 Zone known to outcrop, it is overlain by up to 50m of glacio-lacustrine clay and sand, and two till horizons; an earlier one (Labradorean) of northeast provenance overlain by one originating in the west (Keewatin).


Rainy River Project, "17" Gold Zone
Plan View
N
fault
NR95-32
NR97-02
NR96-49
NR97-05
NR97-04
NR96-13
NR97-06
NR96-48
NR96-50
NAX97-04
NR95-27
NR95-17
NR95-26
NR97-07
NR97-09
NR97-10
NR97-11
NR96-67
NR95-28
NR97-08
NRX97-06
NRX97-05
NR97-02
NR96-66
NR96-64
NR95-29
NR97-13
NR96-51
NR95-25
NR96-14
NR96-44
NR95-32
NR95-31
NR97-01
NR95-30
NR96-11
NR96-41
NR95-34
NR96-42/w
NR96-40
NR95-35
Nuinsco
RESOURCES LIMITED
200 metres
300 S
400 S
500 S
600 S
700 S
800 S
1,200 W
1,100 W
1,000 W
900 W
800 W
700 W
600 W
500 W
400 W
300 W
200 W
100 W

The gold mineralization was discovered by drilling reverse circulation/rotasonic drill holes and sampling the Labradorean Till. These samples produced highly anomalous heavy mineral concentrates with respect to total contained sulphide and gold grain content. Subsequent diamond drilling up-ice from these overburden drill holes outlined a large central gold zone zone that strikes at approximately 100° and generally dips at approximately 55°S (both of these measurements are variable on individual cross-sections), it has an average true width of approximately 75m. Other smaller, satellite zones of similar inferred orientation and grade have been intersected by this drilling, generally of 10m-20m thickness. All of these zones are enveloped by Au anomalous (with respect to average Archaean metavolcanics) metadacite (QID).

The boundaries of the 17 Zone with the enveloping host rock are gradational and cryptic. Assay values of greater than approximately 375ppb (the 95th percentile of the gold values from the enveloping quartz eye dacites) are used to define these boundaries. It is apparent that the zone extends to the bedrock-overburden interface, hence its' detection as a gold in till anomaly defined by overburden drilling. As yet the depth to which the 17 Zone extends is unknown, it has been tested to a maximum depth of about 240m, however subordinate zones have been encountered at greater depth, approximately 350m. Only limited drilling has been conducted on strike to the west and east of the known zone.

The precursor texture to the 17 Zone is often preserved. In overall appearance it is similar to the quartz eye dacite and ash and crystal tuff which envelops the zone. Bleaching of the rock is ubiquitous but heterogeneous and extends well beyond the defined boundaries of the zone. An erratic but locally well developed lepidoblastic texture defined by sericite and to a much lesser extent by chlorite, and by elongate quartz aggregates has been noted. The planar fabric may be folded or kinked and sulphide bands within this zone may also be folded. Evidence of widespread propyllitic alteration defined by the presence of carbonate, epidote, sericite, and chlorite is also evident. Possible potassic alteration has been noted by the local abundance of biotite, possible amphibole and k-spar(?). Further, a common (but not abundant) component of the mode is spessartine garnet (O.D.M., 1996) which is spatially restricted to the 17 Zone and the periphery of the mafic-ultramafic host to the 34 Zone (possibly as a thermal aureole?). In part the pre-existing texture is recrystallized, particularly with respect to quartz and sericite. Possible dynamic recrystallization has led to reoriented aggregates of quartz and sericite now paralleling the fabric.

Macroscopically the 17 Zone is composed of a heterogeneously bleached rock, usually with abundant sericite which comprises 20% to 50% of the mode as fine grains in subparrallel aggregates in the groundmass. Quartz is abundant at 25% to 50% of the modal mineralogy and occurs as a fine grained, groundmass component with the sericite. Quartz also occurs as subhedral to euhedral crystals up to 5mm in size which comprise a variable proportion of the mode and define grading. Feldspar occurs in the groundmass and less commonly as larger macroscopic grains, usually white-grey in colour. It has been identified as plagioclase in hand specimen and from limited thin section studies (Buckley, 1995), however microcline has also been identified (Putz, 1996). Feldspars are often observed to be the sites of significant replacement by sericite, chlorite, carbonate, quartz and epidote. Chlorite (clinochlore - Putz, 1996) is a ubiquitous but highly variable component.

Tourmaline is commonly noted within the zone, but on close examination of widely dispersed drill holes outside of the 17 Zone it also appears to be a common accessory constituent to the dacites. Tourmaline, therefore, may not be a particularly useful marker or indicator mineral. On the other hand pink-orange garnet (Mn bearing spessartine-almandine, O.D.M., 1996) is commonly observed within the 17 Zone but appears to be totally absent from rock adjacent to it.

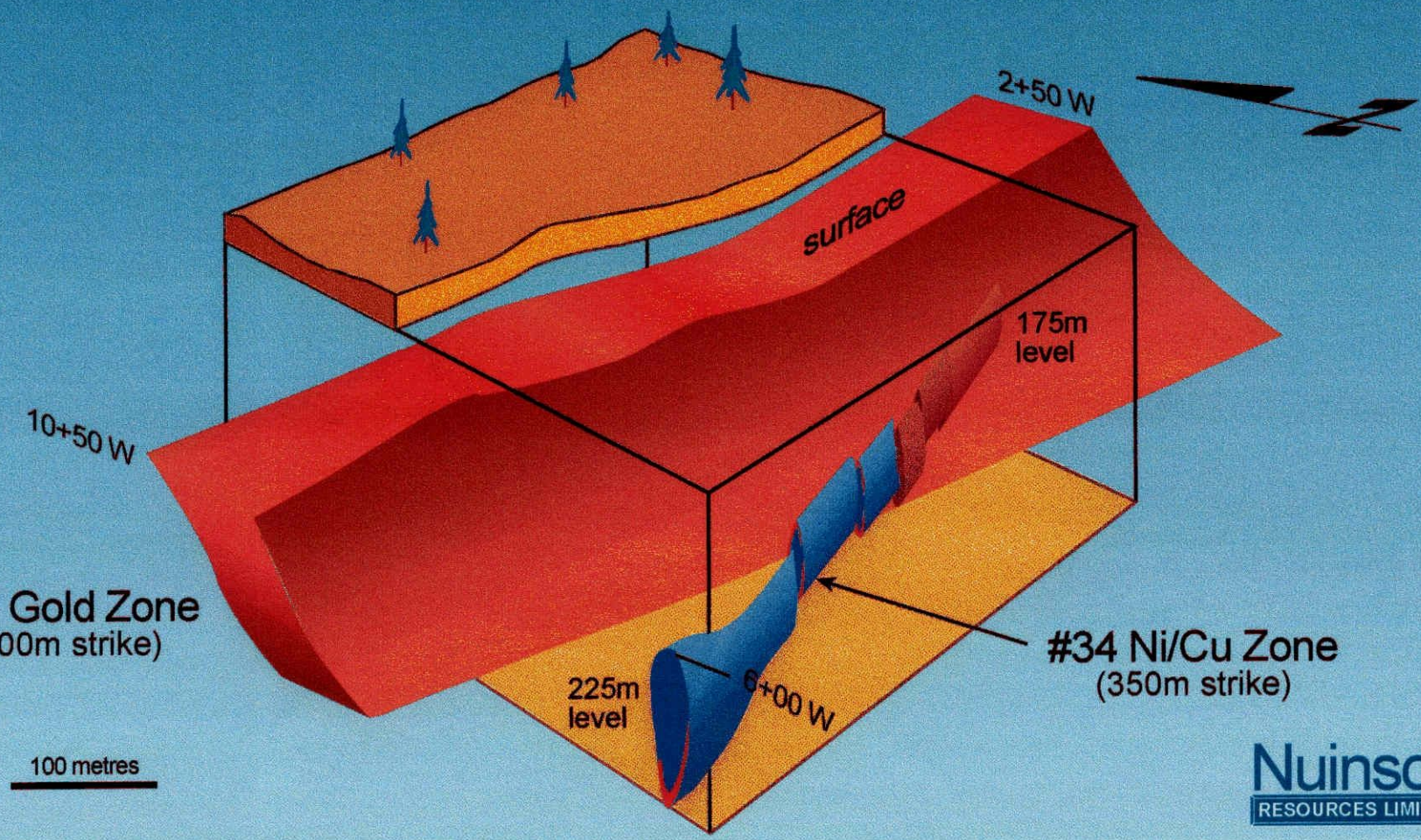
Garnet content is not constant, the area in proximity to line 6+00W appears to be the most prolifically mineralized (at perhaps 2-3% of the mode). Garnet content decreases to the west, and although still abundant to the east it does appear to decrease in abundance from 6+00W. Garnet occurs as individual grains and small clusters within the altered dacite host but most spectacularly it occurs within or adjacent to quartz veins where individual crystals may attain a diameter of 5-10mm. Note that the abundance of garnets around 6+00W coincides with elevated gold assays in the east-west drill hole NR-96-45. Rare kyanite is observed in one drill hole (NR-95-28) as a vein constituent with quartz and carbonate (?). Isolated occurrences of fluorite are noted at several locations through the zone.

Sulphide mineralization typically comprises 5% to 10% of the mode of the zone. Pyrite predominates, accounting for 90% of the sulphide content. Other sulphide minerals identified include (in decreasing order of abundance), sphalerite, chalcopyrite, pyrrhotite, galena, and arsenopyrite. Native gold comprises a very small component of the metallic mineral suite and has only been observed in six or seven drill holes to date. A total of twenty separate occurrences have been noted in the core. Sulphide occurs as fine disseminations and aggregates in the groundmass, as fracture fillings up to 4-5 cm wide and as minor vein constituents. Disseminated sulphide comprises the greatest modal component, however fractures/bands can contribute a significant portion of the total sulphide content.

In the groundmass pyrite occurs as anhedral to subhedral grains, usually <1mm in size containing inclusions of chalcopyrite, sphalerite, pyrrhotite, galena and rutile (Buckley, 1995). Pyrite can also occur associated with quartz and chlorite in or adjacent to recrystallized quartz rich pods (Buckley, 1995). Pyritic banding occurs locally. This banding may be either bedding parallel or related to subsequent fabric development. A pyrite phase, composed of larger (>2mm) subhedral and euhedral grains comprises a small component of the pyrite population and may be primary phenocrysts or the result of recrystallization. Honey to dark brown sphalerite often occurs with the pyrite as anhedral aggregates, locally comprising a significant component of the sulphide mineralogy.

Sulphide mineralized bands traverse the silicate groundmass of the 17 Zone at variable orientations. In core taken from drill hole NR-96-45 it seems apparent that this irregularity in orientation is in part the result of folding, implying some degree of post sulphide mineralizing deformation in the 17 Zone. Again the dominant sulphide species within these bands is pyrite, but sphalerite, chalcopyrite, galena, and arsenopyrite have all been observed macroscopically and in greater relative abundance than in the groundmass.

Schematic #17 & #34 Zones



Nuinsco
RESOURCES LIMITED

Generally native gold occurrences occur within these features. Typically, but not exclusively, this banding will produce higher grade gold values. Silicate minerals are usually associated with the sulphide bands and are commonly composed of quartz, sericite, chlorite, and carbonate. Native gold is observed as blebs within the sulphide bands. Gold occurs as irregular patches, usually <1 mm in diameter, intimately intergrown with the sulphide minerals within the sulphide aggregates at grain boundaries or within sulphide grains (from petrography). More rarely, gold occurs freely in silicate host as individual grains or grain clusters.

The general character of the sulphide-gold mineralization in the 17 Zone appears to be comprised of two components. The diffuse "background" gold mineralization composed of fine disseminated sulphide and possible conformable bands/beds which will typically return assay values from <100 ppb to several hundred ppb. Transecting this groundmass are narrow vein/fracture sets with thin alteration haloes which generally return significantly higher values i.e. hundreds to thousands of ppb (see results of Hole NR-96-45). A preferred orientation to this fracture set has yet to be determined

Hole NR-96-43 intersected only weak gold mineralization and essentially missed the gold zone. One 7 meter section in this hole assayed 45 ppb gold. Hole NR-96-45 was drilled at an oblique angle to the mineralized zone and intersected a spectacular 163.4 meters (true width of about 61 meters) which graded 0.085 ounces/tonne. The first 15.3 meters of this core assayed 0.438 ounce/tonne within a longer intercept of 62.59 meters averaging 0.164 ounce/tonne gold. It is conjectured that a significant number of high grade gold concentrations in this hole are due to set of gold bearing fractures orientated parallel to the north-south holes.

9.0 CONCLUSIONS

The diamond drilling that is the subject of this report comprises a small portion of an extensive and on-going exploration program in Richardson Township and the Rainy River region as a whole that started in 1993. As such, any conclusions drawn from such a small component of the program may very well be out of context with respect to the results obtained from the other components. The principal reason for reporting this work is as assessment.

Respectfully submitted,

Paul Jones, BSc.
Project Geologist
August 5, 1997

CERTIFICATE OF QUALIFICATIONS

PAUL JONES

I, Paul Latimer Jones resident at 27 Briarmoor Crescent, Ottawa, Ontario, Canada, K1T 3G7, do hereby certify that:

1: I am a Consulting Geologist, since 1986.

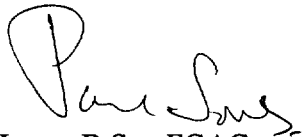
2: I am graduate of Carleton University, Ottawa, 1982, with a B.Sc. (Hons.) in Geology.

3: I have been engaged in the study and practice of my profession since 1978.

4: I am a registered Fellow of the Geological Association of Canada.

5: This report is based upon on-site supervision of the Nuinsco Resources Limited exploration program in the Richardson Township area.

Dated at Ottawa, this 5th day of August, 1997.



Paul L. Jones, B.Sc., FGAC.

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Jones, P. 1996, (March/April 1996, Diamond Drilling), Rainy River District ,Kenora Mining Division N.T.S. 52 C/13 and 52D/16

Jones, P. 1996 (April 1996, Diamond Drilling), Rainy River District, Kenora Mining Division N.T.S. 52C/13 and 52D/16.

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APPENDIX I

SUMMARY TABLE

EXPLORATION EXPENDITURES
STATEMENT OF COSTS

Table 3

EXPLORATION EXPENDITURES

Direct Diamond Drilling Costs:			
(i) Drilling (Bradly Brothers)		16,199.00	
		88,987.50	
		44,268.38	
		66,857.83	
		20,517.82	
		236,830.53	236,830.53
(ii) Assays (Assayers)	792 samples @ $23/sample		18,216.00
(iii) Sperry Sun Instrument (rental)		1,777.84	
Down-Hole Geophysics (Gerald Lambert)		3,392.00	
Crone bore-hole PEM survey equip.		27,057.51	
		32,227.25	32,227.35
Sub-total:			$287,273
Personnel & Field Costs:			
G. Archibald (V.P. Exploration), on-site work		15,025	
P. Jones (Project Geologist)		12,000	
C. Wagg (Geologist)		7,828	
O. Burnell (Core Grabber)		4,862	
Maya Cambell (drafting/computer)		2,970	
D. Engelhrecht (technician)		7,295	49,980
Camp expenses		3,690.39	
Personnel expenses (food etc.)		12,908.64	
Truck rentals $550 x 2 for 2 months		2,200	
Gasoline		1,412.68	
Core trays		3,133.14	
Core racks		2,511.53	
Blue printing		202.50	
House (camp) rental		1,400	
Phone		1,004.78	28,463
Sub-total			78,443

Total Exploration Costs = $365,716 or $111.80/metre

APPENDIX II

SUMMARY TABLES
DRILL LOCATION INFORMATION

TABLE 4 **Drill Hole Locations**

Drill Hole No.	Grid Latitude	Departure	Depth	Work Dates	Location
NR-96-33	4+75 W	7+25 S (70°)	273.40	05/29 - 06/01	Lot 5 N1/2, Con. 1
NR-96-34	6+00 W	8+00 S (75°)	249.02	06/02 - 06/05	Lot 5 S1/2, Con. 1
NR-96-35	6+00 W	8+00 S (80°)	224.60	06/05 - 06/07	Lot 5 S1/2, Con. 1
NR-96-36	6+00 W	8+00 S (72°)	245.90	06/07 - 06/10	Lot 5 S1/2, Con. 1
NR-96-37	6+00 W	7+50 S (75°)	258.17	06/11 - 06/13	Lot 5 N1/2, Con. 1
NR-96-38	5+50 W	8+25 S (75°)	264.20	06/15 - 06/17	Lot 5, S1/2, Con. 1
NR-96-41	6+50 W	7+25 S (75°)	261.20	06/21 – 06/24	Lot 5, N1/2, Con. 1
NR-96-42	5+75 W	7+50 S (77°)	236.80	06/24 - 06/26	Lot 5, N1/2, Con. 1
NR-96-42W	5+75 W	7+50 S (77°)	194.70	07/04 - 07/07	Lot 5, N1/2, Con. 1
NR-96-43	5+25 W	7+25 S (73°)	269.14	07/07 - 07/10	Lot 5, N1/2, Con. 1
NR-96-44	6+50 W	6+75 S (75°)	489.81	07/10 - 07/16	Lot 5, N1/2, Con. 1
NR-96-45	5+50 W	5+50 S (50°)	303.80	07/16 - 07/22	Lot 5, N1/2, Con. 1
			3,270.74 metres		

TABLE 5 **Metres Drilled, Richardson Township**

Concession	Lot	Drill Holes	Meters
1	Lot 5, S1/2	34, 35, 36, 38	983.72
1	Lot 5, N1/2	33, 37, 41, 42, 42W, 43, 44, 45	2,287.02
			3,270.74

TABLE 6 **Ownership ***

Concession	Lot	Parcel No.	Acres	Owner	Date of Option
Con. 1	Lot 5, N1/2	5939	59.64	[1]	3/29/94
Con. 1	Lot 5, S1/2	5614	63.94		
			123.58		

1. Jackson, B: Route 1, Box 656, Wyoming, Ill. USA 61491

* See attached Nuinsco/Jackson Agreement next page.

TABLE 7 **Work Applied, Richardson Township**

Concession	Lot	$ Assessment Value
1	Lot 5, N1/2	$ 110,000.00
1	Lot 5, S1/2	$ 255,716.00
		$ 365,716.00

OPTION TO PURCHASE
PATENTED MINERAL RIGHTS

MEMORANDUM OF AGREEMENT made as of this 29th day of March, 1994.

B E T W E E N:

BARRY JACKSON, CHERYL JACKSON,
RUSSELL JACKSON, JANET JACKSON,
C/O BARRY JACKSON,
Route #1, Box 66
Wyoming, Illinois
61491

(herein the "Optionors)

- AND -

NUINSCO RESOURCES LIMITED
Incorporated in the Province of Ontario,
908 The East Mall, Toronto,
Ontario M9B 6K2

(herein the "Optionee")

WHEREAS:

a) The Optionors represent and warrant that the Optionors are the sole and absolute owners of the mineral rights in certain property (hereinafter the "Property"), measuring 305.4 acres, more or less, in the Township of Richardson, in the District of Rainy River, in the Province of Ontario, as listed in Schedule "A" attached to this Agreement (the mining rights are referred to herein as the "Mining Rights"), and such Mining Rights are free and clear of all encumbrances, and

b) the Optionors further represent and warrant that the Optionors have the right to grant to the Optionee an option to explore and develop the Mining Rights, and should a feasibility study indicate the presence of a commercially viable orebody, to bring such orebody to production.

IN CONSIDERATION of the payment of ONE ($1.00) DOLLAR and other good and valuable consideration, the receipt and sufficiency of which is hereby by the Optionors acknowledged, the Optionors agree to deliver to the Optionee or its nominee, duly executed transfers of the Optionors' interest in and to the Mining Rights, upon payment of all the option payments stipulated herein. In the event that transfers have been delivered and the option should be terminated at any time without the Optionee exercising its option to purchase the Mining Rights, the Optionee agrees to deliver the transfers back to the Optionors.

The Optionors further agree that the Optionee may file cautions or other instruments evidencing this agreement with respect to the Property in the appropriate recording Offices. The Optionee further agrees to remove any such cautions in the event that it does not purchase the Mining Rights.

GRANT OF OPTION

The Optionors hereby grant to the Optionee an exclusive and immediate right and option to enter upon and explore, develop and mine the Optionors' Property and to have quiet and exclusive possession thereof for TWO (2) years after receipt of an initial payment of THREE THOUSAND AND FIFTY FOUR ($3,054.00) DOLLARS (Cdn.) (the "Initial Payment") from the Optionee or its agent, and thereafter if renewed as hereinafter provided. This right and option hereby granted is renewable by the Optionee on the second anniversary date of the Optionors' acceptance of the initial payment by the payment of a further THREE THOUSAND AND FIFTY FOUR ($3,054.00) DOLLARS for TWO more years.

At the end of the fourth year after the date of the Optionors' acceptance hereof the Optionors grant to the Optionee the further sole and exclusive right to purchase the Mining Rights for the sum of FIFTY THOUSAND ($50,000.00) DOLLARS (Cdn.) to be payable by the Optionee on or before the fourth anniversary of the Optionors' acceptance of the Initial Payment; and should a mine be discovered and brought to production, pay to the Optionors a royalty equal to 10% of the Net Profits from Mining Operations conducted on the Property, and as defined below:

If the Optionee has paid to the Optionors all of the sums mentioned above, aggregating in total FIFTY SIX THOUSAND AND ONE HUNDRED AND EIGHT ($56,108.00) DOLLARS the Optionee shall be deemed to have purchased all of the Optionors' right, title and interest in the Mining Rights only and the Optionors shall be deemed to have sold and transferred the same to the Optionee, subject to the terms of this agreement and the Net Proceeds of Production royalty stipulated herein. In the event that the Optionee elects to acquire the Optionors interest in the Mining Rights as herein provided, then the Optionee shall at the same time be obliged to acquire from the Optionors all of their right, title and interest in the surface rights to the Property and shall become the registered owner thereof upon payment to the Optionors of an amount equal to 150% of the then market value of the Property as established by a real estate consultant selected jointly by the Optionors and the Optionee. Fees of such consultant shall be paid by the Optionee.

NET PROFITS DEFINED

Net Profits shall have the meaning and shall be calculated in accordance with Schedule "B" attached hereto. The Optionee shall provide to the Optionors statements showing in reasonable detail receipts and disbursements for the period of the statement period. Prior to Commencement of Commercial Production, such statements shall be provided for each calendar year. After Commencement of Commercial Production, such statements shall be provided for each calendar quarter within 30 days after the end of such calendar quarter, such statement to be accompanied by a cheque for the appropriate portion of Net Profits to the end of such quarter.

RIGHT TO EXPLORE

Prior to the purchase of the Mining Rights, at its own risk and with the assumption of full legal liability therefore, the Optionee will have full power and authority and all necessary easements, licenses and tenure, through its agents, servants or contractors to prospect, examine, drill overburden and diamond drill holes, explore, develop and mine the Property in searching for minerals as the Optionee sees fit without let or hindrance; and further without limiting the generality of the foregoing, the Optionee shall have the right to erect or install any buildings, machinery, equipment and supplies as are necessary and desirable for such exploration and shall have the right to remove reasonable quantities of ore for testing purposes; subject only thereto, the Optionors may continue the Optionors' present use and possession of the Property.

ABANDONMENT

It is understood and agreed that the Optionee may abandon this option at any time and the Optionee shall give the Optionors 90 days prior written notice of the intention to abandon. If notice of abandonment is given, the Optionee shall be under no obligation to make any further option payments to the Optionors after the effective date of abandonment.

If the Optionee abandons its rights under this option, the Optionee may remove all equipment, machinery, tools and supplies which may have been brought on to the Property by the Optionee within a period of sixty days after the abandonment; if such equipment and supplies are not so removed they shall thereupon become the Optionors property.

If the Optionee does not purchase the Mining Rights, it will on request, deliver to the Optionors one set of copies of all maps, assay plans, surface and diamond drill records, etc., prepared by or for the Optionee with respect to the Property.

INDEMNITY

For greater certainty Optionee shall be solely liable for any loss or injury of any party, including employees, agents and invitees of the Optionee, as a result of Optionee's activities on the Property or arising as a result of breach of Optionee's covenants herein including, without limitation, the covenant to conduct all activity on the Property in a proper and workmanlike manner in accordance with good mining practice. Optionee will save Optionors harmless and indemnified from and against all claims and demands, losses, costs, charges and expenses which Optionors may sustain, incur or be liable to with respect to matters from or out of the activities of the Optionee or covenants of the Optionee in respect of the matters specified herein.

For greater certainty, Optionee shall indemnify and save Optionors harmless from all actions, covenants, contracts, claims and demands whatsoever including noncompliance with or violation of any and all applicable federal provincial or municipal environmental rules, regulations, guidelines, by-laws, directives and statutes pertaining to the Property and arising in respect of the activities and covenants of the Optionee herein contemplated.

The rights of indemnification of the Optionors shall survive the termination of this agreement or the abandonment of the option herein granted.

GENERAL

The Optionee will maintain the Property in good standing under the laws of the Province of Ontario and pay all mining taxes, if any, in respect of the Mining Rights while this agreement is in effect.

All work done by the Optionee on the Property will be done in accordance with good mining practice and in compliance with the mining and environmental laws of Canada and the Province of Ontario. The Optionee will forthwith after termination repair any damage it has done, if any, to the Property.

The Optionee agrees that it will pay or cause to be paid all workmen or wage-earners employed by it on the Property and for all material purchased by and in connection with its work on the Property which might give a lien against the Property and should such lien be recorded against the Property as a result of work done by the Optionee, the Optionee will, as soon as it has notice of the lien, use its best efforts to have the lien removed as soon as possible; however, the Optionee retains the right to contest any claim of lien which it desires to dispute.

It is further agreed that during the life of the option, if the Optionee is delayed or prevented from carrying on the exploration of the Property by reason of fires, power shortages, third party land claims, strikes, lock-outs, shortages of labour, equipment or materials, acts of God or any other occurrence beyond the control of the Optionee, the period of any delay resulting from such causes shall be excluded in computing the time within which any payment is required to be made to a maximum aggregate of 180 days. In the event of any such cause, the Optionee shall advise the Optionors in writing of its occurrence.

The Optionors agree that if the Optionee decides to exercise its option to purchase, the Optionors will execute and deliver any other instruments or documents that may reasonably be required to complete the transfer of title of the Mining Rights only to the Optionee. Notices under this option shall be given at the addresses appearing in this Agreement unless changed by further correspondence.

When the Optionee receives the signed copy of this Agreement, the Optionee will make payment of THREE THOUSAND AND FIFTY FOUR ($3,054.00) DOLLARS (the Initial Payment) to be paid by one cheque jointly to the Optionors or as they may otherwise in writing direct.

ASSIGNMENT

This Agreement shall enure to the benefit of and be binding upon the respective heirs, executors, administrators, successors and assigns of the parties hereto. The parties hereto expressly acknowledge and agree that the interests of the Optionee herein may be assigned to one or more exploration or mining companies provided that such assignee becomes a party to this Agreement and agrees to be bound by the terms hereof and provided further that such assignment shall not relieve the Optionee of its obligations to the Optionors hereunder.

IN WITNESS WHEREOF the Optionors has hereunder set Optionors's hand and seal and Optionee has affixed the Optionee's signature hereunder by its proper officer duly authorized in that behalf.

NUINSCO RESOURCES LIMITED

By: _____
H. Douglas Hume, President

Accepted at Wyoming, Illinois
this 29th day of March, 1994

NAME: _____ Witness: _____
BARRY JACKSON

_____ Witness: _____
CHERYL JACKSON

_____ Witness: _____
RUSSELL JACKSON

_____ Witness: _____
JANET JACKSON

SCHEDULE "A"

This is Schedule "A" to an agreement between Nuinsco Resources Limited and Barry Jackson, Cheryl Jackson, Russell Jackson, Janet Jackson, Wyoming, Illinois dated the 29th of March, 1994.

Property Description	Lot #	Conc. #	Township	Acreage
Parcel # 5939	N1/2 of #5	1	Richardson	147.39
Parcel # 5614	S1/2 of #5	1	Richardson	158.01

SCHEDULE "B"

1. **"Net Profit"** means with respect to the Property, the gross annual receipts received or receivable by the Optionee in its own financial year from the sale or other disposition of any metals, minerals or ores (the "Product") extracted from the Property, less:

(a) all Operating Expenses;

(b) the aggregate of all Preproduction Expenses until deducted in full; and

(c) the aggregate of additional capital expenditures for all improvements, expansions, modernizations and/or replacement of the Mining Operations.

2. **"Operating Expenses"** means all costs, obligations, liabilities and expenses resulting from or in connection with the operation of the Mining Operations on the Property which are incurred or become payable during the said financial year of the Optionee after the Date of Commencement of Production of such Mining Operations, including provision or charges for depletion or depreciation of capital items not accounted for in items 1.(b) and (c) above and including without limitation and not restricted to:

(a) all costs and expenses of or related to the mining of the Product and the operation of the Mining Operations;

(b) all costs and expenses of or related to the smelting, refining and marketing of the Product including without limitation transportation, commissions and/or discounts;

(c) all costs and expenses of consulting, legal, accounting, insurance and other services in connection with the carrying on of or related to the Mining Operations;

(d) if the Product is sold before milling all costs to transport the Product to the purchaser thereof;

(e) if the Product is milled, the costs for such milling, the costs to transport the Product to such mill and all costs to transport the milled Product to the purchaser thereof;

(f) all maintenance and repair costs and expenses;

(g) all costs and expenses for pollution control, reclamation or any other similar costs incurred or to be incurred as a result of any governmental regulations or requirements;

(h) all costs and expenses incurred with respect to the termination of such Mining Operations;

(i) all costs and expenses incurred or paid by the Optionee after the Date of Commencement of Production of the Mining Operations with respect to exploring, engineering, geological, geophysical and geochemical surveying, sampling, examining, construction of tunnels, diamond and other types of drilling, developing, dewatering, assaying, testing, constructing and maintaining

roads, trails and bridges upon and across the Property or to obtain access thereto; the cost of acquisition or rental of any buildings, equipment, plant and supplies;

(j) all costs of financing the Mining Operations;

(k) all other royalties granted or created by the Optionors prior to acquisition of the Property by the Optionee; and

(l) all taxes (excluding income taxes), rates, assessments, fees and duties charged, levied or imposed on such Mining Operations, or payable on or in respect of or measured by the Product extracted by such Mining Operation, including all government royalties relating thereto and mining duties or mining taxes (even though based on income or profits) and all capital taxes payable with respect to all capital used in the Mining Operations.

Other than as specifically defined, all Operating Expenses shall be determined in accordance with generally accepted accounting principles consistently applied.

3. **"Preproduction Expenses"** means with respect to any Mining Operations the aggregate of all costs, obligations, liabilities and expenses (whether capital or otherwise) which are incurred or become payable with respect to the development and construction of such Mining Operations up to and including the Date of Commencement of Production, including without limitation and not restricted to:

(a) all costs of or related to exploring or mining the ore body or ore bodies situate in the Property;

(b) all costs and expenses of or related to the development, opening and equipping the mine or mines at the ore body or ore bodies situate in the Property, including construction and equipping of all requisite support and access facilities ancillary thereto including any mill, crushing, grinding, washing, concentrating and/or other treatment facility related directly to the Mining Operations;

(c) all costs and expenses of or related to the construction of storage and warehouse facilities, the construction of roads, the construction of employee facilities, including housing, whether same are located on or off the Property; and

(d) all costs of or related to financing arrangements for the exploration and development of the Property prior to the Date of Commencement of Production.

4. **"Date of Commencement of Production"** with respect to the Mining Operations shall mean the date when Commercial Production begins at the Mining Operations. Within three months after the Date of Commencement of Production, the Optionee shall notify the Optionors of such date for record and accounting purposes.

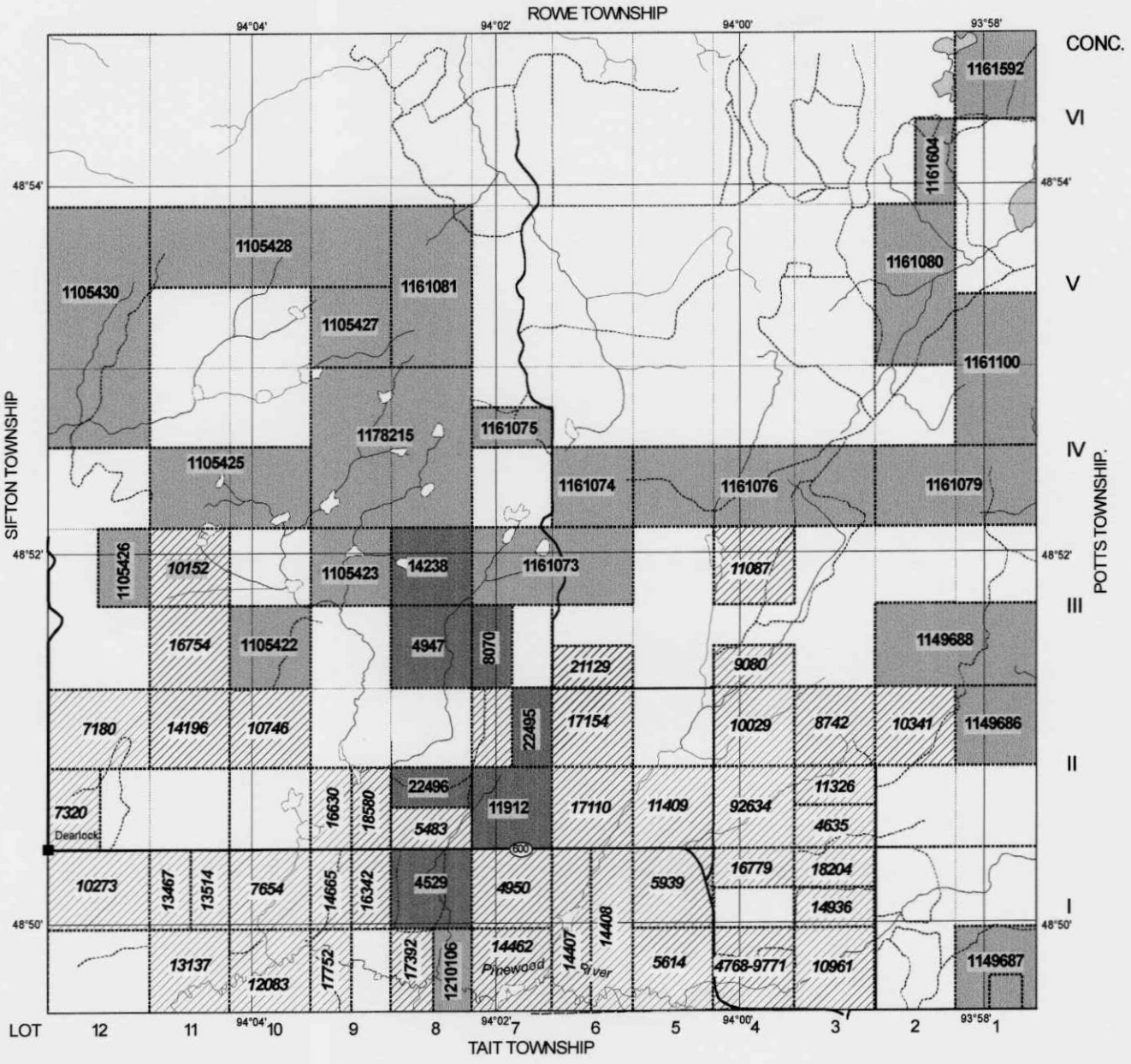
5. **"Commercial Production"** means the mining and milling of the Product from the Property in commercial quantities and shall be deemed to have been achieved when the production and concentrating of the Product from the Property for a period of thirty (30)

consecutive production days results in Product of merchantable form and quantity (other than for purposes of sampling, assaying, testing, analysis or evaluation) and utilizes not less than sixty per cent (60%) of the design capacity of the concentrator erected for processing Product from the Property or, in the event a concentrator is not erected for processing the Product from the Property, when production of the Product from the Property for a period of thirty (30) consecutive production days achieves not less than sixty per cent (60%) of the mining rates specified in the feasibility study recommending placing the Property in Commercial Production.

6. The Optionee may remove reasonable quantities of the Product from the Property for the purpose of assaying and testing and there shall be no Net Profit payment made to the Optionors with respect thereto unless revenues are derived therefrom.

7. The Optionee agrees to maintain for the Mining Operations, up-to-date and complete records of all operations conducted by it with respect thereto and if the treatment and/or smelting of the Product is carried on off the Property, accounts, records, statements and returns relating to such treatment and smelting arrangements shall be maintained by the Optionee, and the Optionors or their agents shall have the right at a mutually convenient time and upon reasonable notice to the Optionee to inspect such records, statements and returns and make copies thereof at their own expense for the purpose of verifying the amount of the Net Profits payments to be made by the Optionee to the Optionors pursuant to this agreement. The Optionors shall have the right at their own expense to have such accounts audited by the external auditors of the Optionee or the Optionors once each year after the Date of Commencement of Production and if no challenge to the accounts is made by Optionors within thirty (30) days of the end of each year after the Date of Commencement of Production, the accounts shall be deemed conclusively to have been accepted and no further challenge may be made.

8. **"Mining Operations"** means every kind of work done on or with respect to the Property or the products derived therefrom by or under the direction of the Optionee and, without limiting the generality of the foregoing, includes the work of assessment, geophysical, geochemical and geological surveys, studies and mapping; investigating, drilling, designing, examining, equipping, improving, surveying, shaft sinking, raising, cross-cutting and drifting, searching for, digging, trucking, sampling, working, developing, mining and/or extracting, and milling minerals, ores and metals; surveying and bringing any mining claims to lease or patent; doing all other work usually considered to be prospecting, exploration, development and mining work; paying wages and salaries of persons engaged in such work and in supplying food, lodging, transportation and other reasonable needs of such persons; paying assessments or premiums for workers' compensation insurance, contributions paid in the district to such persons; paying rentals, licence renewal fees, taxes and other government charges required to keep the Property in good standing; acquiring or providing mining plant, milling plant, ancillary facilities, buildings, machinery, tools, appliances, equipment or supplies and installing, erecting, detaching and removing the same or any of them; construction of access roads and/or facilities on or off the Property; transporting personnel, supplies mining or milling plant, buildings, machinery, tools, equipment in, to or from the Property or any part thereof; the management of any work which may be done on the Property or in any other respect necessary in the opinion of the Optionee for the due carrying out of the said prospecting, exploration and development and mining work; the preparation of a feasibility study and/or any reports supplementary thereto; all other work done to bring any orebody on the Property into Commercial Production and thereafter operating the same on a commercial basis.



Property Map

Richardson Township

Rainy River District, Northwestern Ontario

Nuinsco RESOURCES LIMITED

APPENDIX III

EXPLORATION DATA

DIAMOND DRILL HOLE LOGS

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9633
Collar Eastings: -475.00
Collar Northings: -725.00
Collar Elevation: 1.91
Grid: Rich

Collar Inclination: -70.00
Grid Bearing: 0.00
Final Depth: 273.40 metres

Logged by: C.A. Wagg
Date: June 1, 1996
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	10.6	OVERBURDEN (OB) -												
10.6	24.95	QID (QID, fg-mg) - Medium grey. Spotted with 3-4% to 7-8% white to bluish qtz eyes averaging 2-3mm in diameter. Approximately 10% fine mafic silicates, now mostly chlorite, and concentrated along foliation parallel slips and fractures. Includes 15cm interval of fine mafic to interval of fine mafic to intermediate crystal tuff -described below- with foliation parallel contacts at 14.12. . ALTERATION: Weak calcite and sericite alteration. 2-3% fine disseminated Py. Tr Sp noted at 17.6 and 18.45m along foliation parallel mm wide fractures with minor qtz and chlorite. . STRUCTURE: Foliation 60 to CA. . COMMENTS: Hole contains samples 74201-												
24.95	25.19	BEDDED CHERT (Bedded Chert) - very pale to creamy white. Very fine grained. Bedded/banded on 1-5mm scale parallel to foliation. .												

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9633

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		ALTERATION: Essentially undeformed and unaltered with three <1cm thick bands of disseminated Py within lower half of unit. 5-7% Py overall. . STRUCTURE: Foliation, contacts 55 to CA.												
25.19	35.25	MAFIC TO INTERMEDIATE CRYSTAL TUFFS (Maf. to Int. Crystal Tuffs) - fine to occasionally medium grained. Medium green to brownish green. Strongly banded on a mm to cm scale and very well foliated. . ALTERATION: Strong pervasive chlorite-calcite alteration. Strong biotite alteration. . STRUCTURE: Foliation, contacts 55 to CA. Foliation 55-65 to CA, above 26.0m, and from 32.5-33.75. . Where coarsest and least altered the rock consists of 30-50% partly chloritized dark green prismatic amphibole to 2mm in length, with the remainder being a fine grained mixture of calcite-qtz +/- feldspar. Locally up to 20% fine biotite due to alteration. Includes 40cm of finely interbedded chert and intermediate ash tuff from 28.93-29.33; and 65-70cm of weakly banded dacitic ash or very fine crystal tuff without qtz eyes from 31.72-32.4. . ALTERATION: 2-3% fine garnet present below 31.0m increasing to												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		3-5% garnets up to 2mm in diameter below 32.35. . STRUCTURE: Contacts and banding of interbedded units, foliation parallel at 60-65 to CA.												
35.25	101.85	QID (QID, fg-mg) - Medium grey. Similar to interval from 10.6-24.95, but with up to 15% biotite plus chlorite above 41m. Weakly banded in places due to bleaching over <1cm along foliation parallel to subconcordant fractures spaced on the order of 2-10cm apart. . ALTERATION: 2-3% fine disseminated Py. . STRUCTURE: Foliation 60-65 to CA, rarely to 55. . 59.32 to 59.52: Subconcordant qtz vein. Coarse milky qtz. . ALTERATION: Tr Py, minor chlorite, calcite, and sericite/ muscovite. . STRUCTURE: Contacts 70-75 to CA. Foliation 65 to CA. . 61.7: Remobilized qtz-chlorite-calcite injected over about 10cm parallel to foliation. . 63.7 to 64.05: Fine grained MUM? dyke with low-angle fracture controlled crosscutting contacts.	78.30 101.20	78.97 101.75	0.67 0.55	10.000 15.000	39.000 165.000	1100.000 100.000	NIL 0.800	NIL NIL	NIL NIL	NIL NIL	NIL NIL	NIL NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9633

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. ALTERATION: Strong pervasive calcite and chlorite alteration. 1% fine disseminated Py. . STRUCTURE: Contacts non-parallel, top 20 to CA, bottom 30-35 to CA. Unit weakly foliated parallel to contacts. . 64.8 to 65.10: 40% qtz veining/flooding. Weakly sheared intervals of dacite separating individual stringers/veinlets. . ALTERATION: Minor bleaching, chlorite tr Py. . STRUCTURE: Foliation 60-65 to CA. . 70.04 to 71.3: Amphibole and biotite rich variety of qtz eye dacite. Medium grained, 7-10% <5mm qtz eyes, 15-20% fine mafic silicates, with the remainder pale grey fine subhedral feldspar, Probably intrusive. . ALTERATION: 2-3% fine disseminated Py. Weak patchy k-spar alteration from lower contact of intrusive to 33.0m. . STRUCTURE: foliated conformable with country rock. Top contact foliation, parallel? Lower contact within interval of broken core. . 25.2 to 26.80: Weakly bleached, with 3-4% qtz stringers and veinlets to 4cm wide.											

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		ALTERATION: 3-5% disseminated Sp over 10cm within brecciated and veined /silicified interval at 26.1.												
		.												
		STRUCTURE: Foliation 55-65 to CA.												
		.												
		10-15cm wide qtz veins with minor chlorite and tr Py, foliation parallel to subconcordant at 79.85 and 81.47.												
		.												
		ALTERATION: 2-3% Py throughout interval.												
		.												
		83.5 to 89.0: Med.-coarse grained, and moderately to strongly banded.												
		.												
		ALTERATION: Weak to moderate k-spar alteration accompanies bleaching adjacent to fractures from 85.75-92.5 and below 97.1m.												
		.												
		STRUCTURE: Foliation 55-60 to CA.												
		.												
		101.2 to 101.85: Mixed thinly bedded ash tuffs. Light green to pale grey, with a few cm thick chert bands. Strongly fractured to shattered 5cm thick dark grey bed of chert at lower contact.												
		.												
		ALTERATION: 3-4% fine Py, almost exclusively along fractures.												
		.												
		STRUCTURE: Bedding and foliation 50-55 to CA.												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
101.85	107.9	MAFIC TO INTERMEDIATE METAVOLCANICS (Maf. to Int. Metavolcanics) - fine grained. Dark green to green-brown. Very similar in appearance to interval from 25.19-35.25 which was logged as crystal tuff. This interval is equally well foliated, but is strongly altered only over a metre or so at its contacts. . ALTERATION: Moderately chlorite-biotite altered throughout; stronger near contacts, 2-3% fine disseminated Py. . STRUCTURE: Foliation 55-60 to CA. . Calcite filled amygdules -or entirely replaced feldspars to 5 x 10mm occur above 104.5. From 104.7-105.0: the interval contains 5-7% sausseritized subhedral feldspar phenocrysts. . ALTERATION: 2-3% fine disseminated Py overall. 2-3% Sp over 10cm at 102.75 along foliation parallel fractures with Py. . COMMENTS: Massive and porphyritic flow rocks at centre of interval, tuffaceous or vesicular at top and bottom.	102.58	102.82	0.24	50.000	700.000	660.000	2.100	NIL	NIL	NIL	NIL	NIL
107.9	142.05	QID (QID) - similar to interval from 35.25-101.85, generally medium grained. Top 1-2m contains only trace qtz eyes and slightly elevated mafic silicate content.	114.25	114.63	0.38	55.000	76.000	1500.000	1.300	NIL	NIL	NIL	NIL	NIL
			135.47	136.36	0.89	30.000	14.000	145.000	0.200	NIL	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9633

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		ALTERATION: Weakly bleached with weak to moderate calcite alteration of groundmass feldspar. Tourmaline is present with calcite and +/- minor Sp in small tension-gash fillings at 109.9 and 114.4m.												
		.												
		STRUCTURE: Foliation 55-60 to CA, foliation parallel contacts.												
		.												
		110.85 to 110.96: foliation parallel qtz vein with tr Py.												
		.												
		113.6: Tr Sp along a foliation parallel fracture.												
		.												
		119.5 to 130.4: Shattered to brecciated interval. Strongly altered,with 1-2mm calcite fillings cementing fractures and occasional <1cm wide qtz stringers containing minor tourmaline and tr Py.												
		.												
		ALTERATION: Moderate pervasive k-spar alteration with strong sausseritization and clay mineral development present where pervasive brittle shearing is most intense. eg. 119.75-120.4, including a 1-2cm wide zone of dark grey fault gouge at 120.05, and also 129.8-130.3 which contains tr Sp along some fractures.												
		.												
		STRUCTURE: Foliation 60 to CA. Gouge at 120.05 45 to CA, crosscutting foliation.												
		.												
		COMMENTS: A zone of incipient faulting.												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. 130.88 to 131.36: Intensely altered leucogabbro? dyke with weakly shearing at contacts. . ALTERATION: Intense calcite alteration. 2-3% fine disseminated Py. . STRUCTURE: Crosscutting contacts at 25 to CA, perpendicular to foliation at 50-60 to CA. . 10-15cm subconcordant qtz veins with tr Py at 135.55, 135.95 and 136.2.												
142.05	153.0	MAFIC METAVOLCANICS (Maf. Metavolcanics) - fine grained. Dark green. Strong resemblance to interval from 101.85-107.9, but darker green, less altered. Amygdaloidal to porphyritic throughout. Amygdules <3mm; phenocrysts <10mm. . ALTERATION: Weak-mod. calcite-chlorite-biotite alteration. 1-2% fine Py overall. 10-15% Py over 10-15cm with tr-1% Sp at a flow contact at 146.5m. . STRUCTURE: Foliation 65 to CA, foliation parallel contacts.	145.47	145.87	0.40	1160.000	90.000	2400.000	5.900	2.000	NIL	NIL	NIL	NIL
153.0	192.25	QID (QID) - similar to interval from 107.9-142.05. Streaked	154.50	155.14	0.64	320.000	74.000	980.000	0.700	84.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		to banded with 5-15% dark grey silicious material, often with minor chlorite and garnet above 157.3. Weakly banded below 157.3 due to concentration of micaceous minerals along foliation/ shear planes.
		.
		ALTERATION: Moderately bleached and sericitized. Trace-1% <2mm garnet present from about 154-168m. 3-4% fine disseminated Py. Tr disseminated Sp at 55.0m. Trace Cp at 157.8m and 160.25m within narrow foliation parallel qtz stringers.
		.
		STRUCTURE: Banding, foliation and contacts 60 to CA. Foliation 50-55 to CA at 162m. Foliation 45 to CA at 166m. Often weakly kinked below 164m.
		.
		167.75: Three 2cm wide zones of fault gouge over 15cm, subparallel to foliation at 50-70 to CA. Underlying rock is kinked and weakly shattered down to 168.6.
		.
		Below 168.6: Unit is moderately to strongly bleached and sericitized throughout. Generally unbanded, with 1-2% crosscutting <2cm wide qtz stringers developed near perpendicular to foliation.
		.
		ALTERATION: Tr-1% fine Gnt. present throughout. 3-4% disseminated to occasionally mm-scale banded Py crosscutting stringers generally contain a few percent Py, often a little Sp and occasionally traces of Cp +/- or Gn.
		.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
155.14	155.74	0.60	190.000	34.000	275.000	0.600	56.000	NIL	NIL	NIL	NIL
155.74	156.35	0.61	135.000	36.000	620.000	1.100	165.000	NIL	NIL	NIL	NIL
166.70	167.30	0.60	650.000	113.000	5300.000	6.400	1130.000	NIL	NIL	NIL	NIL
167.30	167.98	0.68	215.000	29.000	1000.000	1.000	260.000	NIL	NIL	NIL	NIL
167.98	168.64	0.66	1310.000	49.000	1200.000	6.800	318.000	NIL	NIL	NIL	NIL
168.64	169.19	0.55	330.000	45.000	2050.000	1.800	247.000	NIL	NIL	NIL	NIL
169.19	169.47	0.28	555.000	165.000	1450.000	2.600	288.000	NIL	NIL	NIL	NIL
172.97	173.43	0.46	390.000	45.000	2650.000	7.700	1680.000	NIL	NIL	NIL	NIL
173.43	174.11	0.68	130.000	26.000	245.000	1.500	220.000	NIL	NIL	NIL	NIL
174.11	174.40	0.29	50.000	11.000	66.000	0.600	49.000	NIL	NIL	NIL	NIL
174.40	175.40	1.00	125.000	64.000	900.000	4.900	265.000	NIL	NIL	NIL	NIL
175.40	175.68	0.28	140.000	21.000	120.000	2.300	212.000	NIL	NIL	NIL	NIL
179.00	179.45	0.45	40.000	19.000	38.000	0.400	22.000	NIL	NIL	NIL	NIL
179.45	180.25	0.80	40.000	10.000	41.000	0.300	15.000	NIL	NIL	NIL	NIL
180.25	180.93	0.68	90.000	11.000	90.000	0.400	21.000	NIL	NIL	NIL	NIL
186.63	187.32	0.69	65.000	13.000	660.000	0.200	44.000	NIL	NIL	NIL	NIL
190.00	190.68	0.68	680.000	15.000	195.000	0.900	115.000	NIL	NIL	NIL	NIL
190.68	191.20	0.52	615.000	10.000	235.000	0.300	10.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		169.55 to 171.9: Fine dacite crystal tuff. Fine-med. grained, without qtz eyes. . ALTERATION: 1-2% very fine Py similar to alteration to surrounding rocks. . 179.70 to 180.0: Approximately 30% remobilized/introduced silicious material-likely generated from partial melting of dacite -as streaks and lenses to 1cm thick, parallel to foliation. . ALTERATION: 3-5% disseminated to banded Py. Similar alteration to surrounding rocks. . 185.65: 15cm wide crosscutting barren qtz vein with non-parallel contacts. . 190.1 to 191.1: Three crosscutting qtz veinlets totaling 25cm. . ALTERATION: 1% Gn, tr Cp over 8cm qtz vein at 190.35. . STRUCTURE: Top contact 25-30 to CA. Lower contact 65 to CA. Veinlets 30-50 to CA, foliation 45-50 to CA.											
192.25	194.18	MUN DYKES (MUN Dykes) - 192.25-193.25, fine grained. Medium green. Consists of 80-90% fine acicular crystals. Appears to consist largely of serpentine +/- amphibole, minor	192.75	193.10	0.35	60.000	NIL	NIL	NIL	NIL	NIL	390.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		chlorite. 1cm zone of clay rich fault gouge along lower contact. Similar dyke from 193.9-194.18 with minor vein qtz and coarse Py along both contacts.												
		.												
		ALTERATION: Strongly serpentinized with 1-2% fine, often euhedral Py. Weak-mod. calcite alteration, with common fillings along hairline fractures.												
		.												
		STRUCTURE: Irregular, subconcordant top contact with flame-like structures. Lower contact oblique-rotated-to foliation at 45 to CA, foliation 50 to CA. Lower dyke top contact crosscutting 50 to CA. Lower contact 45-50 to CA, oblique to foliation.												
194.18	273.4	QID (QID) - similar to interval preceding MUM dyke. Foliation frequently weakly warped or kinked. Mod.-strongly banded.	194.15	194.86	0.71	225.000	32.000	378.000	0.700	28.000	NIL	NIL	NIL	NIL
			194.86	195.45	0.59	230.000	23.000	290.000	0.500	37.000	NIL	NIL	NIL	NIL
			198.70	199.95	1.25	1440.000	42.000	455.000	0.500	22.000	NIL	NIL	NIL	NIL
		.	199.95	200.84	0.89	1850.000	75.000	2600.000	2.500	31.000	NIL	NIL	NIL	NIL
		ALTERATION: Mod.-strongly bleached and sericitized below about 195.85, commonly with up to 10-15% recrystallized-partial melt?-silicious material as streaks and lenses. 3-5% very fine disseminated Py, with very rare up to 5-7% with tr-1% Sp over .5-1.5m intervals.	200.84	201.47	0.63	825.000	77.000	820.000	1.000	30.000	NIL	NIL	NIL	NIL
			201.47	201.81	0.34	465.000	56.000	3900.000	1.600	470.000	NIL	NIL	NIL	NIL
			201.81	202.29	0.48	325.000	47.000	3200.000	4.000	150.000	NIL	NIL	NIL	NIL
			202.33	203.30	0.97	640.000	69.000	970.000	1.000	9.000	NIL	NIL	NIL	NIL
			203.30	204.40	1.10	670.000	25.000	230.000	0.700	12.000	NIL	NIL	NIL	NIL
		.	204.40	205.24	0.84	805.000	260.000	2100.000	2.200	13.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation 65 to CA at 195.5. Foliation 55 to CA at 197, 45-50 to CA below 200m.	205.24	206.30	1.06	200.000	45.000	2500.000	2.000	41.000	NIL	NIL	NIL	NIL
			206.30	207.37	1.07	65.000	17.000	85.000	0.900	16.000	NIL	NIL	NIL	NIL
		.	207.37	208.49	1.12	80.000	16.000	1000.000	0.600	9.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		COMMENTS: <1% on average crosscutting qtz stringers	208.49	209.45	0.96	255.000	19.000	78.000	0.800	10.000	NIL	NIL	NIL	NIL
		under 2cm wide, occasionally with tr Py +/- Sp.	209.45	210.52	1.07	630.000	18.000	425.000	0.300	6.000	NIL	NIL	NIL	NIL
		.	210.52	211.82	1.30	260.000	19.000	422.000	0.200	5.000	NIL	NIL	NIL	NIL
		217.3: 1cm wide foliation parallel Py, Sp seam.	211.82	213.16	1.34	105.000	18.000	230.000	NIL	9.000	NIL	NIL	NIL	NIL
		.	213.16	214.46	1.30	275.000	27.000	122.000	NIL	6.000	NIL	NIL	NIL	NIL
		218.5 to 228.0: Banding absent, bleaching weak. Sericitization	214.46	215.73	1.27	480.000	34.000	300.000	0.300	12.000	NIL	NIL	NIL	NIL
		very weak. 3-4% disseminated Py on average.	215.73	217.01	1.28	240.000	32.000	265.000	0.200	11.000	NIL	NIL	NIL	NIL
		.	217.01	217.21	0.20	2720.000	60.000	15700.000	4.000	285.000	NIL	NIL	NIL	NIL
		238.85 to 239.9: 90% vein qtz as 5-15cm veinlets serarated	217.21	218.50	1.29	490.000	33.000	660.000	0.300	31.000	NIL	NIL	NIL	NIL
		by 1-8cm wide strips of strongly sheared and altered dacite.	218.50	219.59	1.09	240.000	27.000	1050.000	0.600	15.000	NIL	NIL	NIL	NIL
		.	223.97	224.60	0.63	415.000	24.000	750.000	0.500	188.000	NIL	NIL	NIL	NIL
		ALTERATION: Wallrocks/inclusions strongly sericitized.	224.60	225.78	1.18	85.000	35.000	110.000	NIL	28.000	NIL	NIL	NIL	NIL
		Veinlets contain 5-10% calcite, tr Py. Tr galena at 238.87.	225.78	226.16	0.38	65.000	33.000	179.000	1.000	225.000	NIL	NIL	NIL	NIL
		.	226.16	227.70	1.54	345.000	36.000	780.000	1.400	530.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation/shearing within vein variable	227.70	228.46	0.76	425.000	48.000	295.000	0.600	236.000	NIL	NIL	NIL	NIL
		from 45-60 to CA.	228.46	229.21	0.75	630.000	118.000	2650.000	5.600	1280.000	NIL	NIL	NIL	NIL
		.	229.21	230.16	0.95	225.000	45.000	185.000	0.600	175.000	NIL	NIL	NIL	NIL
		244.4 to 273.4: Strongly foliated, somewhat banded interval	230.16	230.70	0.54	695.000	60.000	1100.000	1.700	400.000	NIL	NIL	NIL	NIL
		with weak flaser shear fabric and occasional streaks and	230.70	231.97	1.27	790.000	40.000	160.000	0.300	56.000	NIL	NIL	NIL	NIL
		narrow seams of Py, parallel to foliation.	231.97	233.25	1.28	1000.000	155.000	580.000	1.400	440.000	NIL	NIL	NIL	NIL
		.	233.25	234.28	1.03	730.000	36.000	195.000	0.600	77.000	NIL	NIL	NIL	NIL
		ALTERATION: Mod.-strong bleaching sericite and calcite	234.28	235.18	0.90	34900.000	92.000	4250.000	31.000	2100.000	NIL	NIL	NIL	NIL
		alteration. 7-10% disseminated to banded Py, up to 10-15%	237.00	237.88	0.88	500.000	39.000	750.000	2.700	600.000	NIL	NIL	NIL	NIL
		locally over 20-50cm intervals.	237.88	238.85	0.97	290.000	48.000	700.000	1.200	445.000	NIL	NIL	NIL	NIL
		.	238.85	239.35	0.50	35.000	14.000	212.000	NIL	105.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation 45-65 to CA, commonly about 50.	239.35	239.90	0.55	140.000	22.000	216.000	0.300	145.000	NIL	NIL	NIL	NIL
		.	239.90	241.07	1.17	290.000	18.000	630.000	0.400	285.000	NIL	NIL	NIL	NIL
		Unit appears to contain at least 10% remobilized silicious material	243.87	244.80	0.93	805.000	14.000	500.000	0.300	285.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		within the well mineralized portion from about 246.5-255m.
		Qtz eyes and stringers are very rare below 246m; present but
		infrequent below 257m.
		.
		Well bedded/laminated interval of crystal tuff over 20cm at 256.7m.
		.
		ALTERATION: Tr coarse Sp, disseminated at 256.9, Tr fine
		disseminated Sp at 270.3m.
		.
		STRUCTURE: Foliation 70 to CA at 257m, foliation 60 to CA
		at 262m. Foliation averages about 60 to CA from 264-273.4m.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
244.80	245.60	0.80	655.000	14.000	195.000	0.500	164.000	NIL	NIL	NIL	NIL
245.60	246.45	0.85	420.000	165.000	2950.000	2.100	2100.000	NIL	NIL	NIL	NIL
246.45	247.61	1.16	1940.000	161.000	1950.000	1.900	1300.000	NIL	NIL	NIL	NIL
247.61	249.10	1.49	705.000	72.000	830.000	1.700	550.000	NIL	NIL	NIL	NIL
249.10	250.30	1.20	795.000	82.000	830.000	1.300	630.000	NIL	NIL	NIL	NIL
250.30	251.18	0.88	260.000	87.000	1600.000	2.300	1050.000	NIL	NIL	NIL	NIL
251.18	251.97	0.79	225.000	83.000	630.000	0.600	205.000	NIL	NIL	NIL	NIL
251.97	253.19	1.22	210.000	38.000	470.000	0.200	163.000	NIL	NIL	NIL	NIL
253.19	254.18	0.99	125.000	15.000	150.000	NIL	60.000	NIL	NIL	NIL	NIL
254.18	255.10	0.92	100.000	33.000	390.000	1.000	255.000	NIL	NIL	NIL	NIL
255.10	255.95	0.85	75.000	13.000	250.000	0.400	92.000	NIL	NIL	NIL	NIL
255.95	256.90	0.95	330.000	47.000	2800.000	0.300	192.000	NIL	NIL	NIL	NIL
256.90	258.20	1.30	780.000	39.000	1400.000	3.500	1450.000	NIL	NIL	NIL	NIL
259.43	260.37	0.94	45.000	26.000	130.000	NIL	31.000	NIL	NIL	NIL	NIL
264.00	264.20	0.20	140.000	12.000	49.000	0.200	36.000	NIL	NIL	NIL	NIL
264.20	265.40	1.20	35.000	20.000	136.000	0.400	40.000	NIL	NIL	NIL	NIL
270.30	271.43	1.13	30.000	12.000	188.000	NIL	23.000	NIL	NIL	NIL	NIL
271.43	272.60	1.17	20.000	13.000	132.000	0.400	46.000	NIL	NIL	NIL	NIL
272.60	273.40	0.80	15.000	13.000	170.000	0.200	34.000	NIL	NIL	NIL	NIL

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
78.33	-71.00	
139.29	-70.00	

FROM	TO	LITHOLOGICAL DESCRIPTION			FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		DEPTH	INCLINATION	BEARING												
		206.35	-67.00													
		273.40	-65.00													

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9634
Collar Eastings: -600.00
Collar Northings: -800.00
Collar Elevation: 6.00
Grid: Rich

Collar Inclination: -75.00
Grid Bearing: 360.00
Final Depth: 250.00 metres

Logged by: C.A. WAGG
Date: 02/06/96 - 05/06/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	9.76	OVERBURDEN (OVB) -												
9.76	30.83	MAFIC TO INTERMEDIATE METAVOLCANICS (Maf. to Int. Metavolcanics) - dark green to medium-light grey-green. Massive, fine to medium grained basaltic flows above 22.16. Interbedded fine andesitic to dacitic crystal tuffs and thin massive flows below 22.16. Freshest medium grained basalt 50-70% fine dark green amphiboles 25-35% interstitial feldspar. Andesitic to dacitic material is faintly banded, very fine grained with strong pervasive chlorite-calcite alteration and a 10-15cm wide foliation parallel qtz vein at 30.30 with tr Po, Cp. . ALTERATION: Moderate to strong chlorite-calcite alteration. Accompanied by biotite -after pyx? where finer grained and strongly altered. Tr-1% fine Py and Po. . STRUCTURE: Foliation 50-60 to CA, up to 60-65 to CA at around 21m. Foliation, contact at 60 to CA. . COMMENTS: For a more thorough description of interval, see log for hole NR9635. .												

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9634

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		30.55 to 30.82: Qtz vein. Developed along the contact with qtz eye dacite. Both contacts somewhat irregular, the top one more so, but the zone overall has foliation parallel boundaries. . ALTERATION: Tr Py, Po. Several tourmaline-rich seams-fracture fillings? up to 5mm wide. . STRUCTURE: Foliation adjacent to veining and apparent orientation of contact both 55-60 to CA.												
30.82	66.82	QID (QID) - fine to med. grained. Pale grey. Contains 1-3% <2mm qtz eyes. Weakly-moderately banded due to <1mm wide bleaching along closely spaced ~1 to 5cm-foliation parallel fractures; accompanied by minor k-spar from 36-38.0m. . ALTERATION: Weak pervasive calcite alteration. 2-4% fine disseminated Py. Occasional traces of tourmaline along some of the infrequent <1cm wide crosscutting qtz stringers. . STRUCTURE: Foliation 50-60 to CA. . Below 44m: Dacite less fractured, essentially unbanded and devoid of stringers. . ALTERATION: 1-2% fine disseminated Py. Moderate calcite alteration.	30.78 31.47	31.47 32.03	0.69 0.56	105.000 25.000	162.000 87.000	153.000 121.000	0.800 0.800	NIL 9.000	NIL NIL	NIL NIL	NIL NIL	NIL NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. STRUCTURE: Foliation 55-60 to CA.												
66.82	68.94	INTERBEDDED DACITIC ASH CRYSTAL TUFF WITH MINOR CHERT (Interbedded Dac. Crys. Ash Tuff with Min. Chert) - fine to aphanitic, medium to dark grey. Very well bedded/banded on cm scale. 5-10cm interval of cherty material at 68.1 and recrystallized chert or ribbons of vein qtz over 10cm at lower contact. . ALTERATION: Approximately 5% disseminated to banded Py overall, concentrated within 30-40cm intervals at 67.05, 68.25, and 68.90. Strong pervasive calcite alteration throughout. . STRUCTURE: Foliation variable from 55-65 to CA. Contacts foliation parallel, lower contact 60 to CA.	66.64	67.80	1.16	60.000	85.000	190.000	0.600	NIL	NIL	NIL	NIL	NIL
68.94	144.48	QID (QID) - fine to med. grained. Similar to interval from 30.82-66.82m, but with larger and more abundant qtz eyes -up to 8-10% locally -up to 10% chlorite with minor biotite, and with common intervals to 1m in length having 5-10% subhedral feldspar phenocrysts to 2mm largely replaced by calcite. . ALTERATION: Moderate to strongly bleached and calcite altered. 3-4% fine disseminated Py with rare Sp along narrow fractures	67.80	69.10	1.30	120.000	92.000	147.000	0.800	NIL	NIL	NIL	NIL	NIL
			75.12	75.48	0.36	35.000	48.000	3200.000	0.200	4.000	NIL	NIL	NIL	NIL
			77.38	78.09	0.71	15.000	55.000	860.000	NIL	6.000	NIL	NIL	NIL	NIL
			78.09	79.37	1.28	NIL	18.000	101.000	NIL	NIL	NIL	NIL	NIL	NIL
			79.37	80.09	0.72	15.000	65.000	2500.000	NIL	NIL	NIL	NIL	NIL	NIL
			80.09	81.20	1.11	10.000	38.000	430.000	NIL	2.000	NIL	NIL	NIL	NIL
			88.02	89.04	1.02	140.000	26.000	1100.000	0.400	NIL	NIL	NIL	NIL	NIL
			89.04	90.40	1.36	2080.000	41.000	400.000	0.400	4.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		noted at 75.2, 77.45, 79.7 and 79.9.
		.
		STRUCTURE: Foliation 60 to CA, rarely to 55 or 65 degrees.
		.
		86.7 to 87.66: Crosscutting strongly altered gabbroic dyke. Fine grained. Very pale brownish grey-green. Small QID inclusion at 87.3m.
		.
		ALTERATION: Strong chlorite-calcite-biotite alteration. 1-2% fine Py.
		.
		STRUCTURE: Contacts slightly irregular, possibly warped. Top averages 65 to CA. Lower averages 70 to CA. Both nearly perpendicular to foliation.
		.
		Below 87.66: Sulphide increases slightly within dacites, with occasional mm-wide foliation parallel seams.
		.
		ALTERATION: 3-5% disseminated Py with trace Sp noted at 88.10 and 88.9. Coarse lens-like fracture filling Sp with minor calcite and chlorite at 5.55, 95.8, and narrow seams at 97.05 and 98.3m.
		.
		STRUCTURE: Foliation commonly 60 to CA.
		.
		114.45 to 114.9: Well bedded fine grained dacitic crystal tuff.
		.
		ALTERATION: 3-4% very fine Py.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
90.40	91.11	0.71	195.000	19.000	270.000	NIL	10.000	NIL	NIL	NIL	NIL
94.82	95.55	0.73	75.000	26.000	1750.000	NIL	NIL	NIL	NIL	NIL	NIL
95.55	96.09	0.54	55.000	40.000	3600.000	NIL	3.000	NIL	NIL	NIL	NIL
96.09	96.85	0.76	35.000	10.000	146.000	NIL	NIL	NIL	NIL	NIL	NIL
96.85	97.21	0.36	40.000	42.000	3700.000	NIL	2.000	NIL	NIL	NIL	NIL
97.21	98.25	1.04	25.000	15.000	340.000	NIL	4.000	NIL	NIL	NIL	NIL
98.25	98.65	0.40	30.000	17.000	920.000	NIL	NIL	NIL	NIL	NIL	NIL
114.28	114.90	0.62	45.000	24.000	105.000	0.400	NIL	NIL	NIL	NIL	NIL
114.90	115.58	0.68	115.000	10.000	38.000	0.400	NIL	NIL	NIL	NIL	NIL
115.58	116.10	0.52	NIL	8.000	32.000	NIL	NIL	NIL	NIL	NIL	NIL
116.10	116.63	0.53	15.000	10.000	76.000	0.200	NIL	NIL	NIL	NIL	NIL
137.22	138.07	0.85	30.000	84.000	106.000	0.400	NIL	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		STRUCTURE: Contacts foliation parallel at 60-65 to CA.												
		.												
		114.9 to 116.48: Qtz vein with subconcordant contacts, strong fracturing at <20 to CA.												
		.												
		ALTERATION: Trace Py, chlorite, tourmaline.												
		.												
		STRUCTURE: Upper contact 70 to CA. Lower contact 50 to CA. Foliation in country rock is 60 to CA.												
		.												
		Below 116.48: QID with 1-3% <2mm qtz eyes, with up to 15-20% fine mafic silicates.												
		.												
		ALTERATION: 2-3% fine disseminated Py.												
		.												
		Below about 136.50, the unit changes colour to dark grey to grey-green.												
		.												
		ALTERATION: Moderately silicified generally with 3-5% fine disseminated Py.												
		.												
		STRUCTURE: Foliation variable from 45-65 to CA.												
144.48	212.97	MAFIC TO ULTRAMAFIC INTRUSIVE	146.20	146.52	0.32	NIL	NIL	NIL	NIL	NIL	NIL	300.000	NIL	NIL
		(MUM Intrus.) - medium to coarse grained. Medium to	151.84	152.12	0.28	NIL	NIL	NIL	NIL	NIL	NIL	365.000	NIL	NIL
		dark green, commonly spotted with variably altered pyroxene	156.38	156.66	0.28	NIL	NIL	NIL	NIL	NIL	NIL	440.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		phenocrysts occasionally up to 6mm in diameter.	161.85	162.14	0.29	NIL	NIL	NIL	NIL	NIL	NIL	585.000	NIL	NIL
		.	165.10	165.42	0.32	NIL	NIL	NIL	NIL	NIL	NIL	540.000	NIL	NIL
		ALTERATION: Moderate pervasive chlorite calcite alteration.	168.02	168.31	0.29	10.000	NIL	NIL	NIL	NIL	NIL	850.000	NIL	NIL
		.	173.40	173.68	0.28	10.000	NIL	NIL	NIL	NIL	NIL	960.000	NIL	NIL
		STRUCTURE: Unfoliated top contact chilled over about 15cm,	177.95	179.38	1.43	25.000	320.000	NIL	NIL	NIL	93.000	1200.000	NIL	NIL
		subconcordant at approximately 45 to CA. Foliation 60-65 to CA.	179.38	180.85	1.47	10.000	280.000	NIL	NIL	NIL	50.000	1050.000	NIL	NIL
		Chilled margin weakly sheared parallel to foliation.	180.85	182.26	1.41	15.000	260.000	NIL	NIL	NIL	84.000	1080.000	NIL	NIL
		.	182.26	183.11	0.85	50.000	920.000	NIL	NIL	NIL	108.000	1800.000	NIL	NIL
		COMMENTS: Wholerock geochemistry samples at 146, 152, 156,	183.11	183.86	0.75	30.000	770.000	NIL	NIL	NIL	102.000	1700.000	NIL	NIL
		162, 165, 168, 173.	183.86	184.67	0.81	20.000	355.000	NIL	NIL	NIL	85.000	1250.000	NIL	NIL
		.	184.67	186.05	1.38	25.000	570.000	NIL	NIL	NIL	100.000	1450.000	NIL	NIL
		144.48 to 148.56: Medium to coarse grained porphyritic melanocratic	186.05	187.33	1.28	30.000	435.000	NIL	NIL	NIL	93.000	1300.000	NIL	NIL
		gabbro. 30-40% 2-6mm green-black, subhedral to anhedral clino	187.33	188.33	1.00	95.000	590.000	NIL	0.200	NIL	92.000	1160.000	NIL	NIL
		pyroxene phenocrysts. Trace qtz <1% k-spar observed at 158.45 and	188.33	189.31	0.98	115.000	810.000	NIL	0.500	NIL	105.000	1650.000	NIL	NIL
		158.8, apparently from residual fluids coalescing along zones of	189.31	190.32	1.01	200.000	1200.000	NIL	0.800	NIL	125.000	2200.000	NIL	NIL
		weakness. Remainder fine grained intergrown mixture of amphibole,	190.32	191.10	0.78	155.000	1250.000	NIL	0.900	NIL	115.000	2400.000	NIL	NIL
		chlorite, calcite. Perhaps 30-40% Fsp prior to alteration	191.10	192.05	0.95	210.000	2000.000	NIL	1.700	NIL	160.000	3250.000	NIL	NIL
		judging by present calcite content.	192.05	193.12	1.07	290.000	3050.000	NIL	2.600	NIL	166.000	3400.000	NIL	NIL
		.	193.12	194.10	0.98	412.000	3350.000	NIL	3.500	NIL	200.000	4950.000	540.000	1770.000
		148.56 to 163.27: Fine to med. grained, variably altered non-	194.10	194.92	0.82	244.000	2500.000	NIL	2.600	NIL	170.000	3600.000	380.000	1410.000
		porphyritic gabbro. Contains subequal amounts of subhedral	194.92	195.97	1.05	70.000	1000.000	NIL	0.800	NIL	80.000	1150.000	NIL	NIL
		1-2mm pyroxenes and 1-3mm dark grey Ca-plagioclase. 35-	195.97	197.20	1.23	30.000	250.000	NIL	NIL	NIL	76.000	1000.000	NIL	NIL
		50% feldspar 30-45% pyroxene, partly replaced by amphibole.	197.20	198.38	1.18	45.000	420.000	NIL	0.200	NIL	82.000	1150.000	NIL	NIL
		Trace biotite, and altered olivine?	198.38	199.37	0.99	245.000	1650.000	NIL	2.000	NIL	135.000	3400.000	NIL	NIL
		.	199.37	200.20	0.83	120.000	1400.000	NIL	1.500	NIL	190.000	1650.000	NIL	NIL
		ALTERATION: Trace Py, disseminated feldspars strongly calcite	200.20	201.44	1.24	110.000	1100.000	NIL	1.300	NIL	95.000	1600.000	NIL	NIL
		altered in most places.	201.44	202.60	1.16	92.000	670.000	NIL	1.100	NIL	186.000	1800.000	130.000	512.000
		.	202.60	203.58	0.98	184.000	1400.000	NIL	1.800	NIL	134.000	1900.000	140.000	568.000

FROM	TO	LITHOLOGICAL DESCRIPTION
		163.27 to 207.6: Gradational change to slightly more mafic appearing rock with med. grained mafic phenocrysts with minor interstitial feldspar and alteration products. 40-60% ortho? pyroxene to 3mm. 30-40% Ca plagioclase and related alteration products. May contain up to 5% serpentinized olivine. Approximately 5% fine biotite associated with pyroxene. <1cm wide Cp rich calcite filled fractures at 204.1m, 206.4m.
		.
		ALTERATION: Tr-1% Po, Tr Py. Tr-1% Po tr Cp present below about 178m. 1-2% Po <1% Cp from 182.70-184.35. 1-2% Po tr Cp below 184.35m, gradually increasing to 3-4% Po, tr-1% Cp at around 194m. Abrupt change to less abundant, but coarser, blebs of sulphide mixed Po plus Py tr Cp. 2-3% PoZ>Py, tr Cp; gradually increasing to 8-10% sulphide 7-8% Po, 1-2% Py tr-1% Cp at 207.6m. Includes 1% Cp over 30cm at 205.5m.
		.
		207.6 to 212.97: Separate phase or layer consisting primarily of pyroxenite with serpentine in the groundmass at bottom. 50-70% fine pyroxenes, 5-7% sulphide on average, 20-30% very fine groundmass consisting of amphibole, minor chlorite, trace Fsp? minor serpentine? Sulphides absent below 1-2cm wide Po, Cp seam at 70 to CA at 212.56. Below 212.56, fine chilled margin, apparently with minor movement/offsets along several fractures at <20 to CA.
		.
		ALTERATION: Sulphides range from 3-4% fine disseminated to small blebs of Po <1% Py, tr Cp at top to an average of 5-7% Po, 1-2% Py <1% Cp from about 209.4-212.6, with local concentrations

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
203.58	204.52	0.94	168.000	2700.000	NIL	3.900	NIL	130.000	3800.000	310.000	1120.000
204.52	205.44	0.92	192.000	1400.000	NIL	1.800	NIL	107.000	1800.000	150.000	440.000
205.44	206.11	0.67	136.000	7300.000	NIL	9.800	NIL	145.000	6000.000	380.000	2100.000
206.11	206.77	0.66	220.000	3200.000	NIL	5.000	NIL	162.000	5600.000	300.000	1800.000
206.77	207.88	1.11	636.000	2400.000	NIL	3.000	NIL	215.000	4500.000	310.000	1300.000
207.88	209.32	1.44	12.000	370.000	NIL	0.200	NIL	86.000	1300.000	100.000	244.000
209.32	210.31	0.99	12.000	650.000	NIL	0.400	NIL	110.000	1450.000	170.000	368.000
210.31	211.30	0.99	20.000	1500.000	NIL	1.400	NIL	155.000	2750.000	220.000	800.000
211.30	212.18	0.88	16.000	1100.000	NIL	0.900	NIL	246.000	1800.000	230.000	676.000
212.18	212.80	0.62	24.000	3250.000	NIL	2.400	NIL	180.000	2800.000	600.000	1120.000

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		to 10-15% sulphide over 10-20cm. Tr Sp present with qtz-calcite "lens" 1x 2-3cm within chilled zone. . STRUCTURE: Lower contact averages about 20 to CA, but likely offset along fractures. Boundary between chilled margin and sulphide bearing pyroxenite appears to be 65-70 to CA.												
212.97	217.56	DACITIC CRYSTAL TUFF (Dacitic Crys. Tuff) - fine grained. Medium to light grey. Essentially identical to previous intervals of unaltered qtz-eye dacite, except for the absence of weakly-mod. banded due to mm wide bleaching along foliation parallel fractures. . ALTERATION: Very weak chlorite-calcite alteration, tr-1% fine disseminated Py. . STRUCTURE: Foliation 55-65 to CA, averaging 60 degrees.	212.80	213.42	0.62	4.000	73.000	NIL	NIL	NIL	29.000	196.000	NIL	16.000
217.56	221.54	MAFIC TO INTERMEDIATE CRYSTAL TUFF WITH MINOR DACITIC ASH AND CHERT (Maf. to Int. Crys. Tuff with Min. Dac. Ash and Chert) - dark grey to black. Fine grained, very well bedded/banded on mm to cm scale. . ALTERATION: Mod.-strong chlorite calcite alteration. 3-5% disseminated Py excluding dacitic section. .												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		STRUCTURE: Contacts foliation parallel at 60-70 to CA. . 218.66 to 219.45: Top 40-45cm very fine pale grey dacitic ash tuff. Individual beds commonly 5mm or less in thickness. 219.1-219.45, chert with minor ash laminae. . ALTERATION: Tr Py. . STRUCTURE: Bedding and foliation 70 to CA. . 219.45 to 221.54: Same as 217.56-218.66 with 3-4cm of chert at lower contact.												
221.54	249.02	QID (QID) - similar to interval from 68.94-144.48. Fine grained <5% qtz eyes, weakly-mod. banded due to mm-wide bleaching along foliation parallel fractures. . ALTERATION: 1-3% fine disseminated Py less than 1% <1cm wide qtz +/- calcite stringers, generally with tr tourmaline and crosscutting at high angles to foliation. . 230.20 to 230.70: Three foliation parallel qtz veinlets totaling 23-25cm. . ALTERATION: Minor calcite, tr Py. . STRUCTURE: Foliation 50-55 to CA.	230.12 232.61 235.05	230.82 233.45 236.10	0.70 0.84 1.05	15.000 NIL 15.000	16.000 5.000 5.000	270.000 67.000 55.000	NIL NIL 0.200	5.000 6.000 3.000	NIL NIL NIL	NIL NIL NIL	NIL NIL NIL	NIL NIL NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9634

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. 239.70 to 249: Qtz eyes very rare. Interval could be described as a fine to medium grained dacite crystal tuff with trace qtz eyes. . ALTERATION: 1-2% fine disseminated Py. Moderate pervasive calcite alteration. . STRUCTURE: Foliation at 240m, 55-60 to CA. Foliation at 249m, 60-65 to CA.												

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
15.24	-74.00	4.00
121.92	-73.00	8.00
250.00	-72.00	12.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9635
Collar Eastings: -600.00
Collar Northings: -800.00
Collar Elevation: 6.00
Grid: Rich

Collar Inclination: -80.00
Grid Bearing: 0.00
Final Depth: 224.60 metres

Logged by: C.A. WAGG
Date: 05/06/96 - 07/06/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	7.7	OVERBURDEN (OVB) -												
7.7	33.0	MAFIC TO INTERMEDIATE METAVOLCANICS (Maf. to Int. Metavolcanics) - dark green to light grey-green. Very fine through to medium grained. Well foliated. Strongly fractured with 1-3mm wide calcite +/- qtz fillings, and occasional 5-10cm wide foliation parallel, qtz-calcite +/- Fe-carbonate, Po, Py, and trace Cp. . ALTERATION: Moderate to strong pervasive calcite-chlorite alteration, restricted to bleached haloes along fractures within coarser grained fresher intervals. . STRUCTURE: Foliation 50-55 to CA. . 7.7 to 8.4: Well bedded or moderately sheared. Tuffaceous to fragmental. . ALTERATION: 2-3% fine disseminated Py. . 8.4 to 23.3: Medium grained, dark green massive basaltic flow. 30-50% dark green amphibole grains <2mm in length. 30-40% Ca-plagioclase and alteration products. Trace to 1% qtz, due to													

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		alteration. 8-10% <1mm biotite clusters, up to 15% where strongly altered.												
		.												
		ALTERATION: 1-2% fine disseminated Py, and Po.												
		.												
		STRUCTURE: Foliation parallel contacts at 45-50 to CA.												
		.												
		23.3 to 25.8: Fine grained. Medium green. Upper portion is primarily a faintly banded fine crystal tuff. Below 25.25 apparently a single fine grained massive flow. Both andesitic in appearance/composition.												
		.												
		ALTERATION: Trace to 1% fine Py. Strong pervasive chlorite-calcite alteration.												
		.												
		STRUCTURE: Foliation 40-45 to CA.												
		.												
		25.8 to 33.0: Fine grained. Medium to light grey-green. A mixture of fine crystal tuff and thin massive flows, similar to previous subinterval but andesitic to dacitic in appearance.												
33.0	150.57	QID (QID) - fine grained, pale grey. 2-3% <2mm qtz eyes. Very weakly banded due to mm wide bleaching along foliation parallel fractures. Groundmass very fine to aphanitic.	32.60	33.05	0.45	705.000	1300.000	280.000	5.800	5.000	NIL	NIL	NIL	NIL
			70.33	71.66	1.33	125.000	109.000	136.000	0.600	9.000	NIL	NIL	NIL	NIL
			71.66	72.83	1.17	60.000	70.000	165.000	0.400	NIL	NIL	NIL	NIL	NIL
			72.83	73.80	0.97	15.000	33.000	165.000	0.800	NIL	NIL	NIL	NIL	NIL
			92.05	92.65	0.60	35.000	10.000	290.000	0.200	4.000	NIL	NIL	NIL	NIL
			94.69	95.64	0.95	70.000	29.000	540.000	0.800	6.000	NIL	NIL	NIL	NIL
		.												
		ALTERATION: Weak pervasive calcite alteration. 1-3% fine disseminated Py.												

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9635

FROM	TO	LITHOLOGICAL DESCRIPTION
		.
		STRUCTURE: Foliation rarely to 55 to CA, averaging about 50.
		.
		Below 68.85: unit is dark green, apparently weakly silicified, and contains up to 10% qtz-calcite-chlorite, introduced along shear planes and fractures.
		.
		ALTERATION: From 70.3-70.7 the interval contains 10-15% Py, disseminated to wispy foliation parallel lenses.
		.
		STRUCTURE: Top contact foliation parallel, coincident with 10cm wide qtz-calcite veinlet.
		.
		70.7 to 72.75: Well bedded dacitic ash tuff with minor fine crystal tuff. Light to dark grey. Includes 10cm of recrystallized chert at lower contact.
		.
		ALTERATION: 10-15% disseminated to banded Py.
		.
		STRUCTURE: Banding, foliation, both at 45-50 to CA.
		.
		72.75 to 92.15: Qtz eye dacite, essentially unaltered. Similar to interval preceding bedded tuffs, but somewhat coarser grained and with up to 7-8% <3mm qtz eyes, plus up to 5% subhedral whitish feldspar phenocrysts in places.
		.
		ALTERATION: 2-3% fine-med. grained disseminated Py. Tourmaline clusters to 3mm in small qtz stringer at 76m.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
95.64	96.13	0.49	265.000	220.000	5000.000	1.200	5.000	NIL	NIL	NIL	NIL
98.09	99.01	0.92	160.000	16.000	440.000	0.400	18.000	NIL	NIL	NIL	NIL
101.20	101.86	0.66	110.000	97.000	3900.000	0.600	4.000	NIL	NIL	NIL	NIL
104.10	104.88	0.78	45.000	80.000	370.000	0.400	NIL	NIL	NIL	NIL	NIL
116.29	116.92	0.63	75.000	23.000	195.000	0.400	4.000	NIL	NIL	NIL	NIL
121.79	122.35	0.56	15.000	16.000	78.000	NIL	3.000	NIL	NIL	NIL	NIL
122.35	122.99	0.64	30.000	9.000	66.000	NIL	NIL	NIL	NIL	NIL	NIL
122.99	123.86	0.87	55.000	20.000	91.000	NIL	3.000	NIL	NIL	NIL	NIL
123.86	124.26	0.40	35.000	12.000	70.000	NIL	NIL	NIL	NIL	NIL	NIL
136.20	137.12	0.92	15.000	8.000	59.000	0.200	2.000	NIL	NIL	NIL	NIL
139.60	140.32	0.72	30.000	9.000	66.000	NIL	4.000	NIL	NIL	NIL	NIL
149.19	150.22	1.03	5.000	10.000	131.000	0.400	2.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		STRUCTURE: Foliation 50 to CA, occasionally to 55 degrees.												
		.												
		92.15 to 124.0: Medium grained qtz eye dacite with up to 7-8% 1-4mm qtz eyes. Feldspar phenocrysts rare, up to 3-5% very rarely e.g. over 30cm at 102.9, <1% crosscutting cm-wide qtz stringers, commonly with only traces of Py.												
		.												
		ALTERATION: 3-4% fine to medium grained disseminated Py. Weak bleaching, and pervasive calcite alteration. A few cm size clots of Sp occur in relatively massive dacite at 95.75 with tr Cp. Tr Sp noted along mm-wide foliation parallel fractures at 98.2, 98.95, 101.9, 104.15. Tr Cp, disseminated at 104.75m, 2cm wide zone of Sp fracture fillings at 101.45m.												
		.												
		116.3 to 116.9: Fractured to weakly sheared at 40 to CA.												
		.												
		ALTERATION: Minor qtz-calcite veining with tr chlorite, 3-5% Py overall for the interval.												
		.												
		STRUCTURE: Foliation 45-50 to CA.												
		.												
		121.8 to 124.0: Includes a 60cm and a 30cm long interval of subconcordant qtz veining, and several <5cm wide veinlets within the interveining rock.												
		.												
		ALTERATION: Weak chlorite alteration of wallrock and inclusions. Veins contain minor calcite. 2-3% fine Py,												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		tr Cp. Tr tourmaline present within 30cm vein at 123.85.												
		.												
		124.0 to 128.7: Includes one or more sections of intrusive? feldspar porphyry with trace qtz eyes. Slightly darker in colour than the surrounding dacites, and with up to 15-20% calcite altered fsp phenocrysts locally, some to 2 x 4mm. Fine crystal tuff section from 124.8-125.9 strongly fractured to brecciated, with about 5% calcite fillings 1-5mm wide.												
		.												
		ALTERATION: Trace to 1% fine Py.												
		.												
		STRUCTURE: Contacts foliation parallel.												
		.												
		136.0 to 138.5: Moderately bleached, and banded.												
		.												
		ALTERATION: 3-4% disseminated Py.												
		.												
		138.5 to 150.57: fine grained dacite crystal tuff with trace qtz eyes. Similar to uphole dacite except for the lack of qtz eyes. Well foliated-weakly to moderately banded.												
		.												
		ALTERATION: Weak-mod. pervasive calcite alteration. 1-2% fine disseminated Py. Weakly silicified and slightly contaminated with fine chlorite, due to proximity to intrusive body below 149.25.												
		.												
		STRUCTURE: foliation 55-60 to CA.												

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9635

FROM	TO	LITHOLOGICAL DESCRIPTION
150.57	191.95	MAFIC TO ULTRAMAFIC INTRUSIVE (MUM Intrus.) - medium to dark green, generally medium grained. Consisting primarily of 1-3mm dark green to black pyroxene phenocrysts set in a fine grained groundmass consisting principally of altered plagioclase feldspar, chlorite +/- amphibole, and calcite. Approximately 50-60% phenocrysts, 35-45% groundmass. . ALTERATION: Moderate to strong chlorite-calcite alteration with up to 5% biotite present within chilled margin and, main body apparently associated unfoliated with qtz veining found from 150.85-151.05. . STRUCTURE: Top contact chilled, weakly sheared at 40-45 to CA. . 150.57 to 156.50: Medium to coarse grained pyroxene-rich melanocratic gabbro. . ALTERATION: Pyroxenes substantially amphibolitized. . STRUCTURE: Minor shearing and chlorite-biotite development along the boundary between two distinct phases at 156.5 is oriented at 45 to CA. . 156.50 to 189.0: Long essentially homogeneous interval of gabbro slightly less rich in ferromagnesian silicates. 40-50%

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
150.22	151.08	0.86	15.000	164.000	101.000	0.400	NIL	NIL	NIL	NIL	NIL
155.08	155.76	0.68	115.000	10.000	38.000	0.400	NIL	NIL	410.000	NIL	NIL
158.84	159.20	0.36	NIL	8.000	32.000	NIL	NIL	NIL	460.000	NIL	NIL
178.00	178.57	0.57	180.000	820.000	76.000	0.800	NIL	84.000	1500.000	NIL	NIL
182.38	183.50	1.12	75.000	630.000	106.000	0.400	NIL	72.000	1300.000	NIL	NIL
183.50	184.60	1.10	190.000	1200.000	NIL	1.100	NIL	95.000	1800.000	NIL	NIL
184.60	185.35	0.75	360.000	3000.000	NIL	3.400	NIL	178.000	3500.000	NIL	NIL
185.35	186.45	1.10	600.000	4050.000	NIL	5.000	NIL	280.000	5300.000	NIL	NIL
186.45	187.59	1.14	120.000	1200.000	NIL	1.400	NIL	88.000	2150.000	NIL	NIL
187.59	188.41	0.82	45.000	310.000	NIL	0.300	NIL	NIL	840.000	NIL	NIL
188.41	189.40	0.99	90.000	600.000	NIL	0.400	NIL	NIL	1350.000	NIL	NIL
189.40	190.16	0.76	55.000	128.000	NIL	0.400	NIL	NIL	126.000	NIL	NIL
190.16	190.90	0.74	310.000	3600.000	NIL	4.000	NIL	138.000	2700.000	260.000	850.000
190.90	191.80	0.90	354.000	2400.000	NIL	2.800	NIL	86.000	1950.000	270.000	1070.000

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		groundmass consisting principally of calcite altered plagioclase feldspar.												
		.												
		ALTERATION: Trace Py. Below about 182m, the interval contains tr-1% Py, tr Po, Cp, disseminated. Below 186m, it contains 1-2% Po <1% Py tr Cp. Below 188m, 2-3% Po, 1-2% Py <1% Cp often as globules to 1cm diameter containing a mixture of two or more sulphide species.												
		.												
		189.0 to 191.95: Gradational contact with rock resembling the subinterval at top contact, but less altered and with up to 70-80% pyroxene phenocrysts. Pyroxene-rich gabbro or a borderline pyroxenite. Lower contact chilled over 10-15cm, no sulphide present.												
		.												
		ALTERATION: 2-3% disseminated Po tr Py, Cp. Weak chlorite-calcite alteration. Groundmass appears to consist primarily of fine amphibole.												
191.95	194.64	DACITIC CRYSTAL TUFF (Dacitic Crys. Tuff) - pale to medium grey. Fine grained. Similar to interval from 138.5-150.57. Well foliated. Apparently weakly contaminated.	191.80	192.15	0.35	36.000	2450.000	NIL	5.000	NIL	460.000	6400.000	160.000	1150.000
			192.15	192.65	0.50	36.000	1350.000	NIL	0.900	NIL	64.000	470.000	5.000	158.000
			192.65	193.10	0.45	74.000	600.000	NIL	0.500	NIL	48.000	104.000	NIL	38.000
		.	193.10	194.64	1.54	20.000	355.000	2100.000	2.200	13.000	85.000	1250.000	NIL	NIL
		ALTERATION: Top 20cm strongly fractured with sulphide in fillings resembling stringers to 1-2cm wide. 20-25% Po, 3-4% Cp over 20cm. Remainder of interval contains 1-2% unevenly disseminated Po and tr-1% Cp, primarily as seams <1mm wide												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		along hairline fractures with calcite +/- chlorite fillings.												
194.64	206.88	MAFIC TO INTERMEDIATE CRYSTAL TUFF AND FRAGMENTALS (Maf. to Int. Crys. Tuff and Frags.) - fine grained. Medium green. Streaked due to compositional variation +/or alteration, and spotted with about 10-20% intermediate to felsic lapilli up to 1 x 4cm but generally <.5 x <2cm. . ALTERATION: Moderate chloritization, tr-1% Po, tr Py at top, up to 7-8% disseminated to banded Py over lowermost 4-5m. Overall 2-4% Py, tr-1% Po. Considerable biotite developed in places, apparently due to interreaction between felsic lapilli and mafic groundmass.	198.37	199.20	0.83	40.000	184.000	2500.000	0.600	41.000	NIL	56.000	NIL	NIL
206.88	224.6	DACITIC CRYSTAL TUFF (Dac. Crys. Tuff) - fine grained, pale grey. Very weakly bleached and banded. Trace to 1% very small qtz eyes. Apparently weakly contaminated with chloritic material in places, as well as minor tourmaline and k-spar along fractures and with rare qtz stringers, all of which suggests close proximity to the intrusive body. . ALTERATION: 1-2% fine disseminated Py. Weak silicification locally, often accompanied by chloritic +/- k-spar +/- tourmaline, . STRUCTURE: Foliation 50-60 to CA, averaging 50-55 degrees.												

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9635

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
76.20	-78.00	1.00
121.92	-77.00	5.00
224.60	-76.00	9.00

			ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9636
Collar Eastings: -600.00
Collar Northings: -800.00
Collar Elevation: 6.00
Grid: Rich

Collar Inclination: -72.00
Grid Bearing: 0.00
Final Depth: 245.90 metres

Logged by: C.A. Wagg
Date: 07/06/96 - 10/06/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	7.93	OVERBURDEN (OVB) -												
7.93	31.10	MAFIC TO INTERMEDIATE METAVOLCANICS (Maf. to Int. Metavolcanics) - fine to medium grained. Light to medium green. See description for same interval in DDH NR96-34 or 35. Primarily metamorphosed flows above 19.5, and primarily fine grained crystal tuff with some ash component below 19.5. Well bedded on a cm-scale from 23.5-24.0m and over lowermost 1.5m and including a 15cm wide irregular walled qtz-calcite-tourmaline vein with tr Py, Cp at 21.95m. Minor chert along lower contact. . ALTERATION: Trace Py. Weak to moderate chlorite-calcite alteration; strong below 19.5m. . STRUCTURE: Foliation and contacts variable from 50-65 to CA, averaging about 60 degrees.												
31.1	64.45	QID (QID) - fine grained. Pale grey. 1-3% <2mm qtz eyes. Weakly bleached. Very weakly fractured with minor chlorite and/or tourmaline commonly present												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		within rare qtz stringers below 49.0m. Includes foliation parallel 12-15cm wide qtz-chlorite-tourmaline vein with tr Py at 59.9m. . ALTERATION: Trace to 2% fine disseminated Py. Very weak pervasive calcite alteration. . STRUCTURE: Foliation 55-65 to CA, commonly 60 degrees. . 61.2 to 64.45: Possibly intrusive. Similar to uphole dacites, but with 3-5% <2mm feldspar phenocrysts and up to 15% fine mafic silicates -primarily biotite and chlorite. . ALTERATION: Tr-1% fine disseminated Py. Weak pervasive calcite alteration. . STRUCTURE: Foliation parallel contacts at 60 to CA.											
64.45	66.2	MAFIC-INTERMEDIATE CRYSTAL TUFF (Maf.-Int. Crys. Tuff) - medium grey-green. Fine grained. Well bedded for the most part. Corresponds to the interval from 70.7-72.25 in hole NR96-35 described as andesitic to dacitic. Includes 10cm of chert at lower contact. . ALTERATION: 5% calcite +/- qtz stringers <5mm. Moderate to strong chlorite-calcite alteration. 1-2% fine disseminated Py on average.											

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		STRUCTURE: Foliation and contacts 65 to CA.												
66.2	137.44	QID (QID) - similar to interval from 31.10-64.45. Less	92.05	92.59	0.54	25.000	16.000	240.000	5.800	5.000	NIL	NIL	NIL	NIL
		than or equal to 5% <3mm qtz eyes. Locally to 10-15%	92.59	93.05	0.46	365.000	470.000	46600.000	3.000	9.000	NIL	NIL	NIL	NIL
		<2mm fsp phenocrysts from 109.0-115.0 metres -possibly	93.05	93.71	0.66	115.000	31.000	340.000	0.800	NIL	NIL	NIL	NIL	NIL
		narrow dykes- associated with the only significant interval	100.15	101.15	1.00	10.000	11.000	480.000	0.200	5.000	NIL	NIL	NIL	NIL
		of qtz veining.	101.15	101.94	0.79	55.000	30.000	97.000	0.400	3.000	NIL	NIL	NIL	NIL
		.	108.88	109.57	0.69	30.000	7.000	75.000	0.200	6.000	NIL	NIL	NIL	NIL
		ALTERATION: 1-3% fine disseminated Py. Moderate pervasive	109.57	110.12	0.55	265.000	11.000	62.000	1.200	5.000	NIL	NIL	NIL	NIL
		calcite alteration. 5% fracture controlled seams of Sp over	110.12	111.30	1.18	25.000	15.000	82.000	0.400	18.000	NIL	NIL	NIL	NIL
		30cm at 92.3m. Main seam foliation parallel at 55 to CA.	111.30	111.86	0.56	110.000	10.000	50.000	0.600	4.000	NIL	NIL	NIL	NIL
		Several other narrower ones at 35-50 to CA.	111.86	113.14	1.28	15.000	10.000	91.000	0.400	NIL	NIL	NIL	NIL	NIL
		.	113.14	114.23	1.09	15.000	10.000	106.000	0.400	5.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation 60-65, occasionally to 70 to CA.												
		.												
		94.47 to 94.97: Irregular walled crosscutting dyke over												
		45-50cm.												
		.												
		ALTERATION: Strong chlorite-calcite alteration. Strong												
		biotite alteration over 2-5cm at both contacts.												
		.												
		STRUCTURE: Both contacts crosscutting, near perpendicular												
		to foliation. Top averages <20 degrees to CA -offset along												
		foliation parallel slips by 2 to 5cm. Lower contact 40 to CA.												
		.												
		109.0 to 115.0: 15-18% qtz veins and veinlets ranging from												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		foliation parallel to contorted and crosscutting. 50cm qtz vein at 109.6m with several percent tourmaline. Similar 40cm vein at 111.5 with minor chlorite trace tourmaline. . ALTERATION: Overall 1-2% disseminated Py, tr Fe-carbonate, chlorite, tourmaline. . STRUCTURE: Foliation 60-65 to CA. . 123.0 to 126.85: Feldspar phenocrysts <2mm present at levels from 2-10%. Trace qtz eyes, possibly intrusive. . ALTERATION: Tr Py. . STRUCTURE: Well foliated at 50-60 to CA. . 126.85 to 137.44: Fine-med. grained dacite crystal tuff. Similar to qtz eye dacite interval from 66.2-123.0 but with only tr-1% <2mm qtz eyes. Includes some grey-green andesitic to dacitic material and exhibits minor silicification and metasomatic chlorite +/- amphibole enrichment within 2-3m of contact with downhole intrusive. . ALTERATION: Trace-2% fine disseminated Py. Weak pervasive calcite alteration. . STRUCTURE: Foliation 55 to CA.											

FROM	TO	LITHOLOGICAL DESCRIPTION
137.44	214.33	MAFIC TO ULTRAMAFIC INTRUSIVE (MUM Intrus.) - medium grained, commonly porphyritic. Medium to dark green. Consists of three distinct phases, with some degree of compositional variation within each. . 137.44 to 147.85: Porphyritic, pyroxenephyric melanocratic gabbro. Colour index ranges from about 65-70 to CA above 140.75, to 80-90 to CA below 140.75, with the two similar lithologies separated by 20-30cm of chloritized weakly sheared -chilled? rock. . 137.44 to 140.75: 4-5% relatively fresh clinopyroxene phenocrysts, some up to 3mm. Most dark green to black, subhedral to euhedral. Partially altered to pale green amphibole and chloritic. Approximately 20-30% plagioclase, largely altered to calcite. 5% qtz, presumably from feldspar breakdown. Trace k-spar, 20% fine intergrown amphibole and chlorite. . ALTERATION; Nil-tr Py. Moderate amphibole-chlorite-calcite alteration. . 140.75 to 147.85: Medium to coarse grained pyroxenite. 80% fine to coarse clinopyroxene, dark green to black. large anhedral phenocrysts, often to 1cm, commonly poikilitically enclose smaller subhedral to euhedral crystals. <20% fine dark green amphibole trace orthopyroxene? and altered olivine? medium grained

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
144.40	144.73	0.33	5.000	16.000	78.000	NIL	3.000	NIL	270.000	NIL	NIL
153.18	153.58	0.40	5.000	9.000	66.000	NIL	NIL	NIL	340.000	NIL	NIL
169.70	170.10	0.40	55.000	20.000	91.000	NIL	3.000	NIL	480.000	NIL	NIL
188.00	188.53	0.53	35.000	12.000	70.000	NIL	NIL	NIL	535.000	NIL	NIL
194.10	194.75	0.65	35.000	8.000	59.000	0.200	2.000	NIL	1100.000	NIL	NIL
201.92	202.52	0.60	10.000	9.000	66.000	NIL	4.000	NIL	600.000	NIL	NIL
202.52	203.30	0.78	15.000	149.000	131.000	0.400	2.000	63.000	640.000	NIL	NIL
203.30	204.22	0.92	25.000	250.000	101.000	0.300	NIL	67.000	890.000	NIL	NIL
204.22	205.28	1.06	25.000	197.000	38.000	0.400	NIL	60.000	750.000	NIL	NIL
205.28	206.30	1.02	30.000	29.000	32.000	0.300	NIL	58.000	770.000	NIL	NIL
206.30	207.54	1.24	50.000	455.000	76.000	0.600	NIL	67.000	1100.000	NIL	NIL
207.54	208.69	1.15	155.000	315.000	106.000	0.300	NIL	56.000	830.000	NIL	NIL
208.69	209.91	1.22	125.000	1350.000	NIL	3.100	NIL	100.000	2000.000	NIL	NIL
209.91	211.19	1.28	30.000	270.000	NIL	0.500	NIL	51.000	600.000	NIL	NIL
211.19	212.40	1.21	10.000	142.000	NIL	5.000	NIL	39.000	450.000	NIL	NIL
212.40	213.37	0.97	30.000	380.000	NIL	0.300	NIL	67.000	820.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		equigranular. . ALTERATION; Nil to trace Py. . COMMENTS: See interpretive comments on original log. . 147.85 to 203.35: At to 15-20% fresh black pyroxene. 30-40% med. green amphibole -after pyroxene? 1-2% biotite, associated with fresh pyroxene set in a whitish groundmass consisting principally of calcite -likely after plagioclase. Mesocratic gabbro. . ALTERATION: 1% fine disseminated Py. Moderate calcite alteration. Weak chloritization of amphiboles. . COMMENTS: Non-magnetic above 147.85. Weakly magnetic below 147.85. Moderately magnetic below about 180m. Essentially non-magnetic below 203.3m. . Toward bottom of subinterval: 3-5% recognizable olivine; interstitial and poikilitically enclosed within anhedral pyroxene. Total pyroxenes -Opx tentatively identified in several places - 40-60%. No feldspar observed. 1-2% clustered disseminated Py. Tentative inclusion olivine bearing pyroxenite with approximately 30 olivine alteration products. . 203.35 to 214.33: Essentially identical to top subinterval. Pyroxene phyric melanocratic gabbro with no qtz, much less											

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		feldspar, grading into pyroxenite at lower contact. . ALTERATION: 2-3% Po <1% Py tr Cp. Phenocryst rims and groundmass amphibolitized. . STRUCTURE: Lower contact of MUM body subconcordant approximately 20 to CA. Foliation 50 to CA. . COMMENTS: No olivine present.												
214.33	244.25	MIXED QID AND MAFIC INTERMEDIATE CRYSTAL TUFF (Mix. QID and Maf. Int. Crys. Tuff) - similar to interval uphole from the MUM intrusive body. Fine grained dacite crystal tuff with tr-1% <2mm qtz eyes. Including well bedded medium green crystal tuff from 222.8-223.22 and 225.11-225.67. Also includes med.-coarse grained qtz eye dacite with 3-5% <3mm qtz eyes from 228.5-233.3. . ALTERATION: 5-7% disseminated to banded Py within mafic-intermediate tuffaceous sections. Dacites contain 1-2% fine disseminated Py. Moderate chlorite alteration of mafic tuffs. Weak calcite alteration of dacites. . STRUCTURE: Foliation 50-65 to CA commonly 60 degrees.	213.37	214.36	0.99	25.000	375.000	NIL	0.400	NIL	55.000	740.000	NIL	NIL
			214.36	215.40	1.04	30.000	170.000	NIL	0.800	NIL	17.000	46.000	NIL	NIL
			225.05	225.84	0.79	125.000	120.000	530.000	1.000	7.000	NIL	126.000	NIL	NIL
			225.84	226.45	0.61	20.000	20.000	133.000	0.400	19.000	138.000	2700.000	260.000	850.000
			227.38	227.77	0.39	10.000	33.000	128.000	2.800	6.000	86.000	1950.000	270.000	1070.000
			232.42	233.24	0.82	140.000	25.000	390.000	1.000	6.000	460.000	6400.000	160.000	1150.000
			235.30	235.70	0.40	35.000	27.000	240.000	0.900	8.000	64.000	470.000	5.000	158.000
244.25	245.9	MAFIC TO UM? DYKE (Maf. to UM? Dyke) - medium green,	244.60	245.14	0.54	74.000	600.000	NIL	0.500	NIL	48.000	390.000	NIL	38.000

FROM	TO	LITHOLOGICAL DESCRIPTION
		fine grained. Consists almost entirely of fine acicular amphiboles +/- serpentine. Resembles material referred to as peridotitic dykes in previous holes.
		.
		ALTERATION: Moderate to strong chloritization with calcite along hairline fractures, tr-1% fine Py.
		.
		STRUCTURE: Top contact subconcordant 65-70 to CA. Foliation 60 to CA. Hole ends in dyke material.

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
93.57	-69.00	5.00
166.73	-68.50	5.00
227.69	-68.25	8.00
245.90	-68.25	

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9637
Collar Eastings: -600.00
Collar Northings: -750.00
Collar Elevation: 5.10
Grid: Rich

Collar Inclination: -75.00
Grid Bearing: 0.00
Final Depth: 258.20 metres

Logged by: C.A. WAGG
Date: 11/06/96-13/06/96
Down-hole Survey: Sperry Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	18.89	OVERBURDEN (OVB) -												
18.89	155.17	QID (QID) - medium grained. Pale grey. Spotted with 3-5% 1-4mm qtz eyes. Well foliated. Very few qtz stringers but stringers and fracture fillings of calcite, minor chlorite +/- qtz are relatively common due to moderate to strong fracturing. Includes several thin, conformable, fine grained mafic to intermediate tuff units, ranging in thickness from 2-3cm up to 15cm. Three horizons noted: at 24.45, 51.90, and 58.3m. All are of similar composition with up to 5% 1-2mm qtz eyes and a few percent calcite filled amygdules to 2x4mm +/- fine fsp phenocrysts replaced by calcite. . ALTERATION: Weakly bleached with weak to moderate calcite alteration. 1-2% fine to medium grained Py. 1-2% Sp over 10-15cm from a discontinuous band in a calcite filled fracture at 39.75m. Mafic tuffs strongly chlorite-calcite altered tr-1% Py. . STRUCTURE: Foliation 60-65 to CA. Contacts foliation parallel, variable from 60-65 to CA. .	34.96	35.60	0.64	35	20.000	230.000	1.000	2.000	NIL	NIL	NIL	NIL
			35.60	36.07	0.47	15	8.000	320.000	3.000	8.000	NIL	NIL	NIL	NIL
			39.34	39.83	0.49	165	89.000	2500.000	0.600	22.000	NIL	NIL	NIL	NIL
			39.83	40.30	0.47	20	22.000	155.000	0.200	5.000	NIL	NIL	NIL	NIL
			77.43	78.08	0.65	15	61.000	151.000	0.400	3.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9637

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		62.55 to 73.84: Dark grey to grey green qtz-feldspar crystal tuffs with a few intermediate to felsic sections containing up to 15% fine amphibole and chlorite. 3-5% locally to 15-20% indistinct feldspar phenocrysts to 2mm. 5-7% qtz eyes, rarely to 5mm. . ALTERATION: 1-2% fine disseminated Py. Moderately calcite altered. . STRUCTURE: Contacts and foliation both 60-65 to CA. . COMMENTS: Units below 62.55m may be weakly silicified +/or thermally metamorphosed by the nearby MUM intrusive. . 73.84 to 79.25: Dark grey qtz-feldspar porphyry. Similar in its phenocryst proportions to the previous subinterval, but also with 3-5% fine biotite and elevated sulphide content. Likely flows, or possibly intrusive at least in part. . ALTERATION: 3-5% fine disseminated Py. . STRUCTURE: Uppermost contact subconcordant, approximately 40 to CA, offset by 1-2cm along fractures. Foliation variable from 50 to close to 70 to CA, but commonly 60-65 degrees. . 79.25 to 103.11: Similar to 62.55-73.84. 3-5% fine fsp phenocrysts. 2-3% up to 5-7% <3mm qtz eyes. Up to 15% amphibole and chlorite locally . Weakly banded due to bleaching along foliation parallel to subconcordant fractures.											

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		ALTERATION: 2-3% fine disseminated Py. Weak pervasive calcite alteration.												
		.												
		Includes a largely barren 15-18cm wide qtz vein at 86.4m.												
		.												
		ALTERATION: Trace Py, chlorite.												
		.												
		STRUCTURE: Top contact subconcordant at 45-50 to CA. Lower contact crosscutting at 65 to CA.												
		.												
		101.63 to 102.32: Fine grained mafic to intermediate crystal tuff.												
		.												
		ALTERATION: 3-4% very fine disseminated Py. Strong chlorite-calcite alteration.												
		.												
		STRUCTURE: Foliation 65 to CA.												
		.												
		103.11 to 117.83: Fine grained intermediate to felsic crystal tuff which resembles dacitic tuff, but grey-green as opposed to grey, and without appreciable phenocysts. Contains up to 30% fine, medium green amphibole, 50% qtz, 20% whitish feldspar.												
		.												
		ALTERATION: Moderate pervasive silicification weak calcite alteration. Trace to 1% fine Py.												
		.												
		STRUCTURE: Foliation 65 to CA. Foliation commonly 60												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		to CA below 110m.												
		.												
		117.83 to 155.17: Fine to medium grained dacite crystal tuff. Trace to 2% <2mm qtz eyes. Medium grained above about 138m, fine grained below.												
		.												
		ALTERATION: 1-2% fine disseminated Py. Weak-moderate k-spar alteration over about 1m at 145.3m.												
		.												
		STRUCTURE: Foliation 60 to CA, rarely to 65 degrees.												
155.17	175.05	MAFIC TO INTERMEDIATE ASH AND CRYSTAL	155.20	156.58	1.38	55	90.000	780.000	1.200	6.000	NIL	NIL	NIL	NIL
		TUFFS WITH BEDDED CHERT	157.50	158.85	1.35	50	83.000	280.000	1.400	11.000	NIL	NIL	NIL	NIL
		(Maf. to Int. Ash and Crys. Tuffs with Bedded Chert) - fine	165.50	166.54	1.04	120	91.000	250.000	1.800	2.000	NIL	NIL	NIL	NIL
		to very fine grained. Medium to dark grey-green. Well	166.54	167.05	0.51	125	103.000	260.000	1.600	8.000	NIL	NIL	NIL	NIL
		bedded/banded on a cm scale.	167.05	168.05	1.00	95	120.000	450.000	1.000	20.000	NIL	NIL	NIL	NIL
		.	168.05	169.40	1.35	45	122.000	310.000	1.200	5.000	NIL	NIL	NIL	NIL
		ALTERATION: Weak to moderate pervasive calcite alteration	169.40	170.15	0.75	125	106.000	880.000	1.400	3.000	NIL	270.000	NIL	NIL
		.	171.30	172.50	1.20	275	91.000	1000.000	2.600	NIL	NIL	340.000	NIL	NIL
		Consists of alternating thin ash and crystal tuff with minor pale grey dacitic ash beds. Mafic to intermediate unit averages about 30% mafic silicates primarily chlorite with much lesser biotite.												
		.												
		ALTERATION: Dacitic ash and chert beds essentially unaltered. 5-7% disseminated to banded Py. Bands are generally 2-5mm in thickness. Locally up to 12-15% Py over 1 metre, e.g. 171.5-172.5m.												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		STRUCTURE: Contacts are foliation parallel at between 55 and 65 to CA, averaging about 60 degrees.												
		.												
		Interval includes about 15% pale grey-white chert from 156.25-157.8 as beds commonly ranging in thickness from 1-2cm to 10cm. A single 30cm thick bed occurs at 157.8m.												
		.												
		Also, includes a section consisting primarily of dacitic crystal tuff with 1 to 2% qtz eyes from 162.65-165.58m.												
		.												
		ALTERATION: 1-2% fine Py.												
		.												
		STRUCTURE: Contacts foliation parallel at 55-60 to CA.												
		.												
		166.77 to 166.92: Crosscutting qtz vein with non-parallel contacts.												
		.												
		ALTERATION: Tr-1% chlorite, calcite, trace Py, tourmaline.												
		.												
		STRUCTURE: Top contact 60 to CA, perpendicular to foliation. Lower contact irregular and displaced along fractures.												
		.												
		167.66 to 167.94: Vein similar to previous one.												
		.												
		ALTERATION: 1-2% tourmaline, 1% Py.												
		.												
		STRUCTURE: Both contacts average about 45 to CA.												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		Occasional felsic fragments commonly up to 3x10mm in size occur below 166.58m.												
		.												
		ALTERATION: Single mm wide seam of Sp noted at 169.5m.												
175.05	258.17	QID (QID) - Interval above 183.5m is fine grained with very	192.57	193.42	0.85	65	156.000	320.000	0.600	NIL	NIL	NIL	NIL	NIL
		few qtz eyes, similar to 117.83-155.17m.	193.42	194.47	1.05	55	82.000	320.000	0.400	NIL	NIL	NIL	NIL	NIL
		.	205.10	205.68	0.58	200	32.000	300.000	0.600	28.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation 55-60 to CA.	214.88	215.37	0.49	55	21.000	89.000	0.600	30.000	NIL	NIL	NIL	NIL
		.	215.67	216.45	0.78	355	109.000	600.000	2.200	190.000	NIL	NIL	NIL	NIL
		183.5 to approximately 194.8: Typical qtz eye dacite. 1-3%	216.45	217.05	0.60	255	28.000	260.000	1.000	148.000	NIL	NIL	NIL	NIL
		<2mm qtz eyes. Up to 10%-15% fine-med. grained feldspar	217.05	217.42	0.37	830	51.000	3800.000	8.000	470.000	NIL	NIL	NIL	NIL
		phenocrysts at 190.58m. Includes two sections of mafic-	217.42	218.88	1.46	95	40.000	400.000	1.400	80.000	NIL	NIL	NIL	NIL
		intermediate crystal tuff resembling interval from 155.17-	218.88	219.48	0.60	95	31.000	890.000	1.200	210.000	NIL	NIL	NIL	NIL
		175.05 and 190.58-194.35.	230.20	231.13	0.93	55	16.000	90.000	0.400	68.000	NIL	NIL	NIL	NIL
		.	231.88	232.22	0.34	70	24.000	93.000	NIL	28.000	NIL	NIL	NIL	NIL
		Below 194.18: Typical 17 zone QID. Medium grained qtz eye	233.30	233.80	0.50	260	40.000	1250.000	1.400	180.000	NIL	NIL	NIL	NIL
		dacite with moderate bleaching. Weakly sheared, possibly	236.95	237.84	0.89	375	27.000	89.000	0.400	62.000	NIL	NIL	NIL	NIL
		fragmental in places.	237.84	238.44	0.60	150	25.000	380.000	0.800	48.000	NIL	NIL	NIL	NIL
		.	238.44	239.22	0.78	400	27.000	500.000	1.000	58.000	NIL	NIL	NIL	NIL
		ALTERATION: 1-3% fine disseminated Py, locally to 5-7%	239.22	239.62	0.40	1240	33.000	2400.000	2.200	135.000	NIL	NIL	NIL	NIL
		with a few mm wide seams over .5m intervals. Moderate	239.62	240.56	0.94	245	14.000	290.000	0.800	43.000	NIL	NIL	NIL	NIL
		bleaching, no calcite.	243.40	244.62	1.22	125	10.000	1500.000	0.400	51.000	NIL	NIL	NIL	NIL
		.	244.62	246.00	1.38	70	9.000	1400.000	NIL	40.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation 60 to CA.	246.00	246.73	0.73	40	10.000	290.000	NIL	57.000	NIL	NIL	NIL	NIL
		.	246.73	247.19	0.46	165	11.000	380.000	0.200	62.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		Below about 214m the dacite is moderately to strongly sheared and sericitized, contains from trace to 2% <2mm garnets, and exhibits occasional 1-2mm wide Py seams -some with tr Sp and rare cm wide, foliation parallel Py seams +/- qtz. Crosscutting 1-2cm wide qtz stringer with minor Py at 45-50 degrees at 216.8m. CA parallel stringer over 20-30cm at 238.1m.
		.
		ALTERATION: Moderately to strongly sericitized. Garnet abundance reflects net degree of alteration. 5-7% fine disseminated Py on average with 2cm wide band of Py at 225.2m. Trace Sp at 214.2m and 233.5m.
		.
		COMMENTS: Appears typical of the margins of periphery of the 17 zone mineralization.
		.
		230.0 to 258.2: 1-2% fine garnet present throughout, locally up to 3-5% 2mm in size.
		.
		ALTERATION: 3-5% fine disseminated Py. Below 249m chloritized garnet rich intervals 5-20cm wide, but often occupying only 1/2 the core comprise, 3-5% of the rock by volume.
		.
		STRUCTURE: Weak kinking of foliation, and weak flaser shear fabric with micas and sulphides along shear planes. Foliation variable, 55-70 to CA.
		.
		<1% crosscutting cm-wide qtz stringers, occasionally with minor

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
248.35	249.00	0.65	150	48.000	1150.000	0.400	93.000	NIL	NIL	NIL	NIL
250.82	251.15	0.33	50	16.000	119.000	2.200	40.000	NIL	NIL	NIL	NIL
252.48	252.82	0.34	335	200.000	280.000	0.600	68.000	NIL	NIL	NIL	NIL
254.80	255.40	0.60	95	36.000	93.000	0.400	13.000	NIL	NIL	NIL	NIL
255.40	256.17	0.77	260	25.000	193.000	0.200	13.000	NIL	NIL	NIL	NIL
256.17	256.82	0.65	955	45.000	260.000	0.400	20.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9637

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		Py. . ALTERATION: Calcite alteration is significantly stronger within chlorite -garnet rich intervals than within the enclosing dacites. . COMMENTS: Chlorite -garnet altered patches are reasonably silicious, suggestive of partial melting within the dacites; however, the significant mafic mineral content, and the size and abundance of the "patches" implies unequivocal involvement of the MUM intrusive and diffuse migration of fluids and elements into the country rock. WRA Samples: Sericitized QID, 1-2% remobilized silicious material tr gnt, chl. Broad alteration, coarse gnt disseminated with chl along shear planes. Intense alteration, dark grey-green, 7-8% 1mm gnt, 30%? fine chl +/- amphibole.											

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
76.20	-75.00	
137.16	-75.00	
198.12	-74.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9637

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		DEPTH INCLINATION BEARING												
		258.20 -73.00												

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9638
Collar Eastings: -650.00
Collar Northings: -825.00
Collar Elevation: 5.00
Grid: Rich

Collar Inclination: -75.00
Grid Bearing: 0.00
Final Depth: 264.20 metres

Logged by: C.A.Wagg
Date: 15/06/96 - 17/06/96
Down-hole Survey: Sperry Sun/Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	8.20	OVERBURDEN (OVB) -												
8.2	104.85	MAFIC TO INTERMEDIATE METAVOLCANICS	52.90	54.36	1.46	5.000	42.000	127.000	0.600	12.000	NIL	NIL	NIL	NIL
		(Maf. to Int. Metavols.) - with minor intermediate to	60.00	60.56	0.56	15.000	8.000	320.000	3.000	8.000	NIL	71.000	NIL	NIL
		felsic intrusive and tuffaceous material.	63.10	63.90	0.80	165.000	61.000	139.000	0.600	3.000	NIL	NIL	NIL	NIL
		8.2 to 64.5: Medium green. Composed primarily of	74.39	75.41	1.02	5.000	102.000	95.000	0.400	4.000	NIL	NIL	NIL	NIL
		medium grained, extensively recrystallized tuffs and	76.95	77.51	0.56	15.000	74.000	87.000	0.400	3.000	NIL	NIL	NIL	NIL
		lapilli tuffs with some sections likely strongly altered	81.80	82.58	0.78	15.000	112.000	115.000	0.400	6.000	NIL	NIL	NIL	NIL
		massive to porphyritic flows. Spotted with 10-30%	85.00	87.61	2.61	5.000	88.000	88.000	1.400	11.000	NIL	NIL	NIL	NIL
		clustered medium green amphibole aggregates 1-2mm												
		x3-6mm. 5-15% 1-3mm biotite grains. Remainder												
		pale green to grey-green fine grained groundmass. A												
		few fine lapilli tuffs below 35.0m contain up to 25%												
		2x5mm stretched dacitic fragments. In places at around												
		50.0m, clustered amphiboles up to .8x2.0cm appear to be												
		variably flattened mafic fragments. Includes narrow feldspar												
		porphyry dykes, conformable to foliation over 80cm at												
		20.1m, and over 20cm at 30.9m. Upper dyke 20-30%												
		subhedral zoned fsp crystals occasionally to 6mm with k-spar												
		rich rims, 8-10% fine dark green acicular to lath-like												
		amphibole, medium to dark grey groundmass. Similar dykes												
		in previous holes termed syenitic. Lower dyke is a fine grained												
		version of the first. Includes two 1 to 1.5m long intervals of												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		fine dacitic crystal tuff at 42.25 and 45.80 metres. Fine crystal and ash tuff is interbedded within the lowermost 3m of the interval.												
		.												
		ALTERATION: Amphibolitized with moderate to strong bleaching and chlorite-calcite alteration of the groundmass. Trace to 1% fine disseminated Py.												
		.												
		STRUCTURE: Well foliated throughout, with clustered amphiboles and occasional amygdules and stretched rod-shaped felsic lapilli showing a lineation raking steeply in the foliation-plane. Foliation 55-60 to CA.												
		.												
		64.5 to 104.85: Fine grained massive to tuffaceous mafic material grading into pillowed, commonly amygdaloidal mafic flows at around 73.0m. Pillowed section typically contains 3-4% calcite along hairline to 2mm wide interconnected fractures.												
		.												
		ALTERATION: Trace to 1% Py. Minor Po in places within <5cm wide calcite-qtz veinlets. Moderate chlorite-biotite alteration, particularly at pillow margins.												
		.												
		STRUCTURE: Strongly fractured to somewhat shattered below 72.5m. Foliation 60-65 to CA. Most pillows appear substantially flattened -selvages subparallel to foliation.												
		.												
		Transition into massive fine grained mafic flows at about 82.5m and into fine mafic to intermediate crystal tuff below about												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		97.5m. From about 97.5-104.05m the unit is grading toward dacitic composition.												
		.												
		ALTERATION: 3-4% Py and Po from about 82-90m, disseminated to semi-massive seams within some qtz-calcite veinlets.												
		.												
		STRUCTURE: Foliation 60-65 to CA.												
104.85	225.65	DACITIC CRYSTAL TUFF AND QID	108.80	109.82	1.02	60.000	90.000	145.000	0.400	2.000	NIL	NIL	NIL	NIL
		(Dacitic Crys. Tuff and QID) - fine grained. Pale grey.	126.38	126.70	0.32	10.000	39.000	127.000	1.600	8.000	NIL	NIL	NIL	NIL
		Trace to 1% <1mm qtz eyes. Includes fine mafic to intermediate	136.13	136.90	0.77	20.000	89.000	560.000	1.000	20.000	NIL	NIL	NIL	NIL
		crystal tuff from 126.6-135.7, 145.9-151.15, and 152.1-153.6 each	165.20	166.30	1.10	15.000	10.000	162.000	1.200	6.000	NIL	NIL	NIL	NIL
		with some fragmental component.	166.30	166.98	0.68	65.000	131.000	3000.000	1.400	3.000	NIL	270.000	NIL	NIL
		.	166.98	167.67	0.69	180.000	250.000	250.000	1.000	21.000	NIL	340.000	NIL	NIL
		ALTERATION: 1% fine disseminated Py in dacite. Tr Py in	213.78	214.60	0.82	65.000	6.000	118.000	0.600	3.000	NIL	480.000	NIL	NIL
		mafic tuffs with strong pervasive calcite alteration, moderate	215.40	216.08	0.68	55.000	6.000	101.000	0.400	NIL	NIL	535.000	NIL	NIL
		chloritization.	219.95	220.53	0.58	200.000	5.000	96.000	0.600	4.000	NIL	1100.000	NIL	NIL
		.												
		STRUCTURE: Foliation 55-65 to CA, commonly 60 degrees.												
		.												
		Dacite in fragmental, fine to med. lapilli tuff from 135.7 to 137.50 with 30% fine mafic silicates in the groundmass.												
		.												
		ALTERATION: 1% fine disseminated Py.												
		.												
		Below 137.50: The unit is fine-med. grained, qtz eye dacite with 2-3% 1-3mm qtz eyes and occasionally contains up to 3-5% fine												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		whitish feldspar crystals.												
		.												
		ALTERATION: 2-3% fine disseminated Py. 1% disseminated to banded Sp over 10cm at 166.7m.												
		.												
		Below about 181.8: Qtz eyes become rare, small feldspar phenocrysts become common, 10-15% range- and the unit takes on darker colouration. Possibly a series of flow rocks transitional back to typical qtz eye dacite at around 185m.												
		.												
		ALTERATION: feldspars weakly sausseritized and calcite altered. 1% fine disseminated Py.												
		.												
		STRUCTURE: foliation 55-60 to CA.												
		.												
		196.45 to 197.25: Pale grey-green fine dacitic crystal tuff.												
		.												
		ALTERATION: Tr-1% Py.												
		.												
		197.25 to 225.65: Fine qtz eye dacite. Tr-1% <1mm qtz eyes very rarely to 2mm, trace feldspar phenocysts. 10-15% fine mafic silicates -amphibole, chlorite, minor biotite. Lowermost 25-30cm is somewhat contaminated/hybridized with the dyke described below.												
		.												
		ALTERATION: 1% fine disseminated Py. Minor massive chlorite +/- qtz along narrow fractures at 206.9 and 217.7, 219.5, 220.0, 224.0mand several perpendicular to foliation at 224.5m. Very												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		weak bleaching, minor calcite along late fractures.												
225.65	226.95	ALTERED MAFIC DYKE (Alt. Maf. Dyke) - fine grained. Medium green. Crosscutting. Similar to dykes encountered in previous holes, associated with, but not necessarily connected to the MUM intrusive hosting Cu-Ni sulphide mineralization. Consists of 90% plus fine medium green intergrown amphiboles. Colour and crystal habit suggests tremolite -actinolite rather than hornblende. With 1-2% very fine black biotite and/or pyroxene, and minor calcite due to alteration. . ALTERATION: Amphibolitized with weak pervasive calcite alteration. Trace Py. . STRUCTURE: Contacts nearly perpendicular to foliation. Top contact 30-35 to CA. Lower contact 25-30 degrees. Foliation is 50-55 to CA in surrounding dacite. Dyke is essentially unfoliated; chilled for 2-3cm at both contacts. . COMMENTS: Wholerock analysis. Probably borderline ultramafic in original bulk chemistry based on total lack of feldspar.	226.15	226.48	0.33	355.000	109.000	600.000	2.200	190.000	NIL	260.000	NIL	NIL
226.95	264.2	QID (QID) - Pale grey. Fine to medium grained. Quite similar to the subinterval preceding the dyke, gradually coarsening downhole to rock with 1-3% <3mm qtz eyes. Trace up to	239.54	240.55	1.01	10.000	35.000	300.000	1.000	8.000	63.000	640.000	NIL	NIL
			251.13	252.18	1.05	20.000	19.000	570.000	0.600	470.000	67.000	890.000	NIL	NIL
			252.18	252.90	0.72	340.000	38.000	1950.000	3.400	80.000	60.000	750.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		3-5% fine feldspar crystals locally.
		.
		ALTERATION: Slightly contaminated with mafic material adjacent to the dyke. 1-3% fine disseminated Py overall, with about 3-5% and tr Sp on average from 252.0-257.9. Sp occurs as blebs and mm thick seams along foliation parallel fractures. Weakly to moderately bleached below 246.75m.
		.
		STRUCTURE: Foliation 60 to CA with very little variation.
		.
		256.25 to 256.75: Includes 50cm of greenish grey intermediate crystal tuff and a few cm of chert.
		.
		ALTERATION: 5-7% disseminated Py, from bands of sulphide-rich material 1-2cm thick.
		.
		256.75 to 264.2: Similar to interval above the intermediate tuff, but moderately to strongly bleached and with a few percent calcite-chlorite lenses up to 1-2cm thick and as mm wide coatings.
		.
		ALTERATION: 1-3% fine disseminated Py.
		.
		STRUCTURE: foliation 60-65 to CA.
		.
		COMMENTS: Approximately 15cm offset noted along CA parallel hairline fracture at 258.6m. Fracture traceable for about 2.25m.

		ASSAYS									
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
252.90	253.65	0.75	10.000	16.000	108.000	0.400	210.000	58.000	770.000	NIL	NIL
253.65	254.37	0.72	20.000	50.000	330.000	0.400	30.000	67.000	1100.000	NIL	NIL
254.37	255.10	0.73	325.000	115.000	1350.000	5.000	3.000	56.000	830.000	NIL	NIL
255.10	256.40	1.30	250.000	61.000	1650.000	3.000	5.000	100.000	2000.000	NIL	NIL
256.40	257.20	0.80	30.000	57.000	290.000	0.600	180.000	51.000	600.000	NIL	NIL
257.20	258.34	1.14	20.000	28.000	116.000	0.200	62.000	39.000	450.000	NIL	NIL
258.34	259.26	0.92	150.000	89.000	45.000	0.800	48.000	67.000	820.000	NIL	NIL
263.36	264.20	0.84	400.000	11.000	60.000	1.000	58.000	55.000	740.000	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9638

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
23.44	-74.00	2.00
76.20	-73.50	
137.20	-73.00	4.00
198.17	-72.50	3.00
264.20	-72.00	3.00

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9641
Collar Eastings: -650.00
Collar Northings: -725.00
Collar Elevation: 4.00
Grid: Rich

Collar Inclination: -75.00
Grid Bearing: 0.00
Final Depth: 261.20 metres

Logged by: C.A. Wagg
Date: 21/06/96-24/06/96
Down-hole Survey: Sperry Sun/Acid Tes

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	9.70	OVERBURDEN (OVB) -												
9.70	25.78	MASSIVE TO PILLOWED MAFIC METAVOLCANICS	19.10	19.72	0.62	45.000	205.000	140.000	0.500	3.000	NIL	220.000	NIL	NIL
		(Massive to Pillowed Maf. Metavols.) - fine grained. Dark	20.60	20.91	0.31	70.000	166.000	245.000	1.500	12.000	NIL	86.000	NIL	NIL
		green. Pillowed to massive above 16.6m. Pillowed amygdaloidal	23.98	24.78	0.80	180.000	150.000	970.000	1.500	4.000	NIL	80.000	NIL	NIL
		flows and pillow breccia below 16.6m, with thin beds of dark grey	24.78	25.68	0.90	100.000	105.000	1280.000	0.700	2.000	NIL	90.000	NIL	NIL
		mafic-intermediate ash -or perhaps flattened fragments -occurring over the lowermost metre or so of the interval.												
		.												
		ALTERATION: The entire sequence id mod. to strongly calcite altered. 1-2% locally to 4-5%, 1-2mm garnets are present from 16.6m to 25.0m. 1% Py, tr Po, mostly from along calcite filled fractures or pillow selvages. Semi-massive Po-Py occurs within the lower half of a fine grained calcite and qtz vein at 19.5m. From 24.0-25.78, 2-3% Py, 3-4% Po, tr Sp. Sp occurs in three places as <1cm thick lenses within foliation parallel calcite stringers. Po occurs disseminated and within calcite stringers with chloritized margins.												
		.												
		STRUCTURE: Moderately well foliated at 50-55 to CA.												
25.78	121.0	FINE QTZ EYE DACITE CRYSTAL TUFF	27.24	28.06	0.82	35.000	17.000	146.000	0.300	6.000	NIL	62.000	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9641

FROM	TO	LITHOLOGICAL DESCRIPTION
		(Fine QID Tuff) - fine grained. Medium to pale grey. Reasonably dark in colour, 10-20% fine Chl +/- biotite, and with only tr-1% <2mm qtz eyes above about 37.0 metres.
		.
		ALTERATION: Moderately chloritized, weakly sericitized with mod.-strong sericite alteration below about 54.0m.
		.
		STRUCTURE: Foliation 50-55 to CA, rarely 60 degrees to CA above 40m.
		.
		Below 37m: Generally <10% mafic silicates and 1-3% qtz eyes occasionally to 4mm.
		.
		ALTERATION: 1-2% fine disseminated Py within the dark dacite. 3-5% disseminated to banded Py within the mafic and intermediate tuff sections, and 2-3% up to 3-5% within the more strongly sericitized pale dacite.
		.
		Includes a section of grey-brown intermediate ash tuff from 33.0-33.9m and sections of fine mafic ash and crystal tuffs from 45.62-47.52.
		.
		ALTERATION: Trace Sp along mm wide foliation parallel fractures from about 50.6 to 51.3m, with a cm wide lens shaped fracture filling, plus minor qtz calcite and Cp at 51.2 metres in dacite.
		.
		STRUCTURE: Foliation within mafic section at 46m reaches 45 to CA at its centre and is back to 55 degrees to CA at its lower

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
32.89	34.09	1.20	30.000	88.000	286.000	0.600	2.000	NIL	72.000	NIL	NIL
34.09	35.04	0.95	5.000	15.000	92.000	0.200	2.000	NIL	74.000	NIL	NIL
41.82	42.30	0.48	55.000	38.000	238.000	0.200	2.000	NIL	68.000	NIL	NIL
50.12	50.90	0.78	10.000	30.000	1000.000	0.200	2.000	NIL	32.000	NIL	NIL
50.90	51.53	0.63	75.000	690.000	5150.000	1.400	9.000	NIL	8.000	NIL	NIL
79.47	80.16	0.69	60.000	76.000	1600.000	0.800	10.000	NIL	100.000	NIL	NIL
80.16	80.93	0.77	25.000	24.000	900.000	0.400	6.000	NIL	43.000	NIL	NIL
80.93	81.92	0.99	25.000	11.000	285.000	0.200	2.000	NIL	470.000	NIL	NIL
81.92	82.86	0.94	70.000	10.000	112.000	0.800	2.000	NIL	1100.000	NIL	NIL
82.86	83.88	1.02	20.000	53.000	186.000	0.200	1.000	NIL	1500.000	NIL	NIL
83.88	84.82	0.94	220.000	42.000	750.000	2.300	4.000	NIL	1150.000	NIL	NIL
96.40	97.17	0.77	40.000	82.000	880.000	0.900	5.000	NIL	980.000	NIL	NIL
113.18	114.00	0.82	45.000	80.000	300.000	0.500	2.000	NIL	1600.000	NIL	NIL
114.00	114.45	0.45	35.000	112.000	850.000	0.600	5.000	NIL	590.000	NIL	NIL
114.45	115.45	1.00	25.000	22.000	205.000	0.200	10.000	NIL	2100.000	260.000	1130.000
116.40	117.03	0.63	35.000	24.000	1000.000	0.300	1.000	NIL	1200.000	NIL	NIL
118.45	119.79	1.34	15.000	16.000	160.000	0.300	NIL	NIL	495.000	NIL	NIL
119.79	121.00	1.21	20.000	28.000	375.000	0.400	12.000	NIL	480.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		contact. . 75.0 to 121.0: Often medium grained with 3-4% qtz eyes and a few -up to 10-15% 1-2mm feldspar phenocrysts in some flows. Core axis parallel fracturing is fairly common, with displacements of a few to 10cm. . ALTERATION: Weak to moderate pervasive k-spar alteration, strongest along bleached fractures from 61.5-75.0m. . STRUCTURE: Foliation variable, 50-60 to CA for the remainder of this interval. . Including 79.5 to 80.0: Fine well bedded mafic ash and crystal tuff. . ALTERATION: Dacite below 75.0m is typically weakly calcite altered, moderately sericitized, and contains 2-3% fine disseminated Py. 4-5% fine disseminated to banded Py, tr-1% Sp as mm-wide foliation parallel seams. . 86.7 to 91.0: Mafic crystal tuff with 10-15% <2cm felsic lapilli. . ALTERATION: 2-3% disseminated Py and Po. Mafic material is moderately biotite altered. Contains 1-2% fine garnet throughout. . 96.4 to 96.7: Fine intermediate to felsic ash and crystal tuff.											

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. ALTERATION: 3-5% disseminated to banded Py with a single discontinuous 1-3mm wide Sp seam along lower contact. Trace Sp occurs at 114.0 and 116.8m as mm-wide seams along foliation parallel fractures. Dacite appears moderately silicified from 118.5-121.0m. . STRUCTURE: Foliation and contacts 50 to CA. . COMMENTS: Below about 100 metres tourmaline is often present within rare mm to cm wide qtz veinlets sealing foliation parallel and crosscutting fractures. Masses of fine chlorite occur with qtz in places along narrow veinlets at about 30 to CA crosscutting bedding and foliation.												
121.0	126.75	INTERBEDDED CHERT AND INTERMEDIATE TO FELSIC ASH AND CRYSTAL TUFF (Interbedded Chert and Int. to Fels. Ash and Crys. Tuff) - Pale to dark grey. Fine to very fine grained. Bedded on a mm to cm scale. Tuffaceous above 125.45. Below 125.45, the unit contains approximately 75% brecciated chert with individual beds to 30cm thick. . ALTERATION: 10-15% Py above 123.9m. 4-5% Py from 123.9-with tr Sp at 124.45. Sulphides disseminated to banded throughout. .	121.00	122.05	1.05	190.000	162.000	470.000	1.600	3.000	NIL	2150.000	25.000	312.000
			122.05	123.51	1.46	70.000	92.000	170.000	0.800	10.000	NIL	1200.000	NIL	116.000
			123.51	124.90	1.39	40.000	86.000	312.000	0.600	19.000	NIL	20.000	NIL	NIL
			124.90	126.36	1.46	80.000	126.000	235.000	0.900	13.000	NIL	55.000	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9641

FROM	TO	LITHOLOGICAL DESCRIPTION
		STRUCTURE: Contacts and foliation 50 to CA.
126.75	181.45	QID CRYSTAL TUFF (QID Crys. Tuff, fg) - similar to interval from 25.78-121.0m. . ALTERATION: Minor epidote, k-spar alteration and calcite are present occasionally along bleached fractures above 145m. 1-3% fine disseminated Sp, strong k-spar alteration is present immediately adjacent to some qtz and massive chlorite filled fractures. . STRUCTURE: Foliation 50 to CA, rarely to 55 degrees. . 153.2 to 157.1: Fine grained, dark green massive, possibly pillowed mafic volcanics. . ALTERATION: Weak chlorite-biotite alteration. 3-4% fine to medium grained disseminated Py. Tr Sp at 158.35m in dacite. . 163.1 to 174.6: Massive to tuffaceous mafic to intermediate metavolcanics. Mafic flow rocks above 166.5m. Intermediate Py-rich tuffs below 166.5m. . ALTERATION: 5-7% disseminated to banded Py on average. Up to 10-15% Py from 166.7-167.9m. Tr Sp along foliation parallel slips/fractures at 164.20m and 167.8m.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
151.18	151.70	0.52	10.000	15.000	60.000	0.200	16.000	NIL	16.000	NIL	NIL
163.95	164.53	0.58	415.000	170.000	6450.000	3.400	NIL	NIL	NIL	NIL	NIL
165.80	166.70	0.90	15.000	70.000	660.000	0.900	NIL	NIL	NIL	NIL	NIL
166.70	167.95	1.25	250.000	98.000	1400.000	2.600	NIL	NIL	NIL	NIL	NIL
167.95	169.35	1.40	150.000	100.000	660.000	1.600	NIL	NIL	NIL	NIL	NIL
173.67	174.61	0.94	170.000	105.000	435.000	1.400	NIL	NIL	NIL	NIL	NIL
179.39	180.50	1.11	885.000	62.000	620.000	1.100	46.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9641

FROM	TO	LITHOLOGICAL DESCRIPTION
181.45	261.2	QID (QID) - transition from fine grained homogeneous dacite lacking visible feldspars, to generally medium qtz eye dacite with trace locally to 10% fine pale grey feldspar phenocrysts. Well banded due to bleaching with sericitization and disseminated to very finely banded Py, typical of the "17 zone" host rocks. . ALTERATION: Moderately to strongly bleached and sericitized. Generally 3-4% fine disseminated Py with tr Sp and garnet locally. . STRUCTURE: Foliation variable from 50-60 degrees to the CA. . Five 5-10cm wide qtz-calcite veins occur between 204m and 207.5m. They range from foliation parallel to subconcordant at almost right angles to the CA, and contain a few percent Py. . ALTERATION: 214.5: 1-2% fine gnt. present throughout. . 197.0 to 261.20: Reasonably well altered and mineralized dacite. Contains very few qtz veins. The few present are 1-3cm wide and crosscut foliation at nearly right angles, generally 30-40 degrees to CA. Tr galena is present in one at 245.85m. A single larger foliation parallel vein occurs from 260.40-260.85, with trace Sp at both contacts. Below the vein dacite is strongly banded and contains a few percent sub-cm felsic lapilli in addition to qtz eyes. . ALTERATION: Below about 197m, very fine banded Py

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
196.95	197.39	0.44	675.000	18.000	1300.000	0.800	54.000	NIL	NIL	NIL	NIL
200.20	201.33	1.13	385.000	16.000	220.000	0.500	29.000	NIL	NIL	NIL	NIL
201.33	202.77	1.44	195.000	20.000	120.000	0.200	19.000	NIL	NIL	NIL	NIL
202.77	204.17	1.40	140.000	20.000	115.000	0.200	20.000	NIL	NIL	NIL	NIL
204.17	205.17	1.00	80.000	12.000	222.000	NIL	12.000	NIL	NIL	NIL	NIL
205.17	206.00	0.83	80.000	12.000	118.000	NIL	10.000	NIL	NIL	NIL	NIL
206.00	207.02	1.02	160.000	24.000	92.000	NIL	13.000	NIL	NIL	NIL	NIL
207.02	207.45	0.43	265.000	9.000	138.000	0.200	13.000	NIL	NIL	NIL	NIL
207.45	208.79	1.34	80.000	8.000	156.000	NIL	21.000	NIL	NIL	NIL	NIL
208.79	210.05	1.26	255.000	18.000	70.000	0.200	18.000	NIL	NIL	NIL	NIL
215.04	215.87	0.83	165.000	880.000	5200.000	12.300	2900.000	NIL	NIL	NIL	NIL
218.95	219.75	0.80	80.000	12.000	1750.000	0.400	66.000	NIL	NIL	NIL	NIL
219.75	220.58	0.83	45.000	16.000	440.000	0.300	78.000	NIL	NIL	NIL	NIL
220.58	221.50	0.92	205.000	25.000	335.000	0.600	53.000	NIL	NIL	NIL	NIL
221.50	222.62	1.12	55.000	8.000	122.000	0.200	28.000	NIL	NIL	NIL	NIL
222.62	223.67	1.05	45.000	5.000	138.000	0.200	42.000	NIL	NIL	NIL	NIL
224.60	225.93	1.33	100.000	15.000	90.000	0.400	35.000	NIL	NIL	NIL	NIL
225.93	227.01	1.08	100.000	22.000	80.000	0.200	36.000	NIL	NIL	NIL	NIL
227.01	227.98	0.97	75.000	17.000	145.000	0.500	105.000	NIL	NIL	NIL	NIL
227.98	228.76	0.78	1050.000	16.000	435.000	3.000	400.000	NIL	NIL	NIL	NIL
232.30	233.55	1.25	35.000	70.000	225.000	0.700	88.000	NIL	NIL	NIL	NIL
233.55	234.32	0.77	70.000	18.000	92.000	0.200	42.000	NIL	NIL	NIL	NIL
234.32	235.03	0.71	50.000	45.000	280.000	0.500	100.000	NIL	NIL	NIL	NIL
235.03	236.23	1.20	45.000	16.000	438.000	0.300	115.000	NIL	NIL	NIL	NIL
236.23	237.40	1.17	45.000	30.000	260.000	0.200	105.000	NIL	NIL	NIL	NIL
237.40	238.30	0.90	400.000	21.000	1000.000	0.700	150.000	NIL	NIL	NIL	NIL
238.30	239.08	0.78	150.000	62.000	2900.000	2.500	500.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9641

FROM	TO	LITHOLOGICAL DESCRIPTION
		occurs along sub-mm wide foliation parallel slips with sericite.
		The rock contains from 3-5%, locally to 5-7% very fine Py.
		Trace Sp is common throughout. 1-2cm wide foliation parallel
		bands of Py-Sp occur at 255.5m and 258.63m.
		.
		STRUCTURE: Foliation variable from 45-65 degrees to CA,
		commonly about 55 degrees. Foliation 60 to CA at 261m.

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
239.08	239.89	0.81	235.000	32.000	370.000	0.500	112.000	NIL	NIL	NIL	NIL
239.89	241.05	1.16	150.000	20.000	72.000	NIL	40.000	NIL	NIL	NIL	NIL
241.05	242.18	1.13	230.000	18.000	70.000	NIL	30.000	NIL	NIL	NIL	NIL
242.18	243.25	1.07	590.000	19.000	75.000	0.300	40.000	NIL	NIL	NIL	NIL
243.25	244.28	1.03	290.000	35.000	700.000	1.300	225.000	NIL	NIL	NIL	NIL
244.28	244.98	0.70	80.000	42.000	4200.000	1.000	170.000	NIL	NIL	NIL	NIL
244.98	245.90	0.92	45.000	24.000	540.000	1.000	113.000	NIL	NIL	NIL	NIL
245.90	247.12	1.22	65.000	33.000	720.000	0.700	90.000	NIL	NIL	NIL	NIL
247.12	248.22	1.10	35.000	11.000	95.000	1.000	70.000	NIL	NIL	NIL	NIL
248.22	249.00	0.78	60.000	13.000	80.000	0.700	57.000	NIL	NIL	NIL	NIL
249.00	249.75	0.75	35.000	13.000	800.000	0.800	200.000	NIL	NIL	NIL	NIL
249.75	250.43	0.68	50.000	26.000	412.000	3.500	168.000	NIL	NIL	NIL	NIL
250.43	251.53	1.10	50.000	52.000	660.000	1.200	485.000	NIL	NIL	NIL	NIL
251.53	252.30	0.77	30.000	32.000	122.000	0.300	84.000	NIL	NIL	NIL	NIL
252.30	253.18	0.88	50.000	45.000	400.000	1.000	195.000	NIL	NIL	NIL	NIL
253.18	254.32	1.14	50.000	58.000	205.000	0.700	168.000	NIL	NIL	NIL	NIL
254.32	255.00	0.68	85.000	34.000	2000.000	2.000	328.000	NIL	NIL	NIL	NIL
255.00	255.90	0.90	20.000	20.000	345.000	0.300	87.000	NIL	NIL	NIL	NIL
255.90	256.84	0.94	190.000	45.000	480.000	0.200	48.000	NIL	NIL	NIL	NIL
256.84	258.10	1.26	80.000	35.000	950.000	0.800	125.000	NIL	NIL	NIL	NIL
258.10	258.80	0.70	275.000	178.000	6650.000	3.400	225.000	NIL	NIL	NIL	NIL
258.80	259.88	1.08	165.000	74.000	1850.000	1.100	120.000	NIL	NIL	NIL	NIL
259.88	260.52	0.64	40.000	34.000	1350.000	1.800	31.000	NIL	NIL	NIL	NIL
260.52	261.20	0.68	380.000	120.000	1500.000	3.200	850.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9641

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
60.98	-74.00	5.00
152.44	-72.00	5.50
243.90	-71.00	11.00
261.20	-71.00	

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9642
Collar Eastings: -575.00
Collar Northings: -750.00
Collar Elevation: 1.56
Grid: Rich

Collar Inclination: -77.00
Grid Bearing: 0.00
Final Depth: 236.80 metres

Logged by: C.A. WAGG
Date: 23/06/96-26/06/96
Down-hole Survey: Sperry Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	27.44	OVERBURDEN (OVB) -												
27.44	104.27	QID CRYSTAL TUFF (QID Crys. Tuff) - pale grey, fine to medium grained. Commonly with 2-4% <5mm qtz eyes, and occasionally with 3-5%, 1-3mm subhedral feldspar phenocrysts. Well foliated, but only weakly banded in places due to bleaching. A 35-40cm wide qtz vein with minor chlorite, calcite and tr Py occurs at 64.1m.	62.77	63.60	0.83	20.000	12.000	2.000	104.000	3.000	NIL	220.000	NIL	NIL
			63.60	64.85	1.25	70.000	19.000	245.000	110.000	12.000	NIL	86.000	NIL	NIL
			64.85	65.75	0.90	180.000	32.000	970.000	113.000	4.000	NIL	80.000	NIL	NIL
			79.15	80.07	0.92	65.000	14.000	2.000	160.000	0.300	NIL	90.000	NIL	NIL
			80.07	81.30	1.23	10.000	11.000	146.000	80.000	6.000	NIL	62.000	NIL	NIL
			103.25	104.27	1.02	60.000	360.000	6.000	258.000	0.800	NIL	72.000	NIL	NIL

. ALTERATION: Very weakly bleached and sericitized. 1-3% fine disseminated Py. Below 75 metres, trace tourmaline is present in places along 1-2mm wide qtz cemented fractures, and trace <2mm garnet is present in a few spots as well. Below 80m the unit appears weakly silicified in spots and has a few cm-wide chlorite-calcite-Py filled fractures resembling tension gashes.

. STRUCTURE: Foliation commonly 65 degrees to CA, occasionally to 60 degrees.

. COMMENTS: The dacite is not particularly fractured or altered adjacent to the underlying intrusive body, except for about 10cm at the contact with about 20% fine disseminated

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9642

FROM	TO	LITHOLOGICAL DESCRIPTION
		chlorite.
104.27	221.13	MAFIC TO ULTRAMAFIC INTRUSIVE (MUM Intrus.) - medium to dark green. Medium to coarse grained. Uppermost 45-50cm strongly chilled. . ALTERATION: Calcite, epidote, and k-spar commonly present as cement along fractures above 125m. Moderate pervasive calcite alteration of feldspar grains and fine feldspathic groundmass within uppermost sub-unit. . STRUCTURE: Top contact subconcordant 70-75 to CA with cm scale offset along fractures. . 104.6 to 175.0: Porphyritic medium to coarse grained pyroxene -rich gabbro. Grades from a rock with 10-15% plagioclase, tr-1% qtz and k-spar at top of interval; to a fine to med. grained gabbroic rock composed principally of fine pyroxenes with some large relict phenocrysts poikilitically enclosing other minerals. . ALTERATION: Trace to 1% fine disseminated Py. . STRUCTURE: Unfoliated, except weakly at contacts. . COMMENTS: Pyroxenes are med. to coarse and subhedral to euhedral above 142 to 145m. Trace to very weakly

ASSAYS											
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
106.72	107.20	0.48	5.000	15.000	92.000	0.200	2.000	NIL	106.000	NIL	NIL
120.60	121.35	0.75	10.000	38.000	238.000	0.200	2.000	NIL	104.000	NIL	NIL
134.25	134.73	0.48	10.000	30.000	1000.000	0.200	2.000	NIL	132.000	NIL	NIL
148.88	149.42	0.54	75.000	690.000	5150.000	1.400	9.000	NIL	215.000	NIL	NIL
160.60	161.28	0.68	45.000	76.000	1600.000	0.800	10.000	NIL	275.000	NIL	NIL
166.70	167.31	0.61	25.000	24.000	900.000	0.400	6.000	NIL	360.000	NIL	NIL
172.80	173.33	0.53	25.000	11.000	285.000	0.200	2.000	NIL	380.000	NIL	NIL
183.23	183.89	0.66	70.000	10.000	112.000	0.800	2.000	NIL	530.000	NIL	NIL
191.30	192.15	0.85	15.000	53.000	186.000	0.200	1.000	NIL	650.000	NIL	NIL
195.28	196.03	0.75	5.000	225.000	750.000	0.200	4.000	80.000	950.000	NIL	NIL
196.03	197.36	1.33	10.000	220.000	880.000	0.200	5.000	75.000	850.000	NIL	NIL
198.50	199.50	1.00	10.000	350.000	300.000	0.600	2.000	NIL	950.000	NIL	NIL
200.73	202.18	1.45	35.000	332.000	850.000	0.600	5.000	NIL	850.000	NIL	NIL
205.63	206.30	0.67	25.000	100.000	205.000	0.200	10.000	NIL	830.000	260.000	1130.000
206.30	207.45	1.15	10.000	270.000	1000.000	0.200	1.000	NIL	1150.000	NIL	NIL
207.45	208.80	1.35	25.000	295.000	160.000	0.400	NIL	NIL	1050.000	NIL	NIL
208.80	209.95	1.15	5.000	250.000	375.000	0.300	12.000	NIL	900.000	NIL	NIL
209.95	211.12	1.17	60.000	430.000	470.000	0.200	3.000	91.000	1350.000	25.000	312.000
211.12	212.40	1.28	60.000	450.000	170.000	0.200	10.000	84.000	1400.000	85.000	274.000
212.40	213.63	1.23	110.000	540.000	312.000	0.200	19.000	65.000	1100.000	NIL	NIL
213.63	214.34	0.71	356.000	1800.000	235.000	1.800	13.000	160.000	3650.000	290.000	884.000
214.34	215.94	1.60	446.000	2650.000	60.000	2.700	16.000	181.000	4500.000	410.000	1200.000
215.94	217.14	1.20	166.000	1500.000	6450.000	1.100	NIL	117.000	2400.000	170.000	508.000
217.14	218.28	1.14	50.000	790.000	660.000	0.600	NIL	89.000	1300.000	NIL	NIL
218.28	219.43	1.15	810.000	1850.000	1400.000	2.100	NIL	165.000	2900.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		magnetic below about 164m.
		.
		Transitional over the interval from about 176 to 186 metres to an olivine bearing gabbro with a tale rich groundmass.
		.
		ALTERATION: 1% Py, tr Po. Only very weak calcite alteration below this point.
		.
		COMMENTS: Moderately magnetic above 194.5m. Strongly magnetic from 194.5-213.9m.
		.
		186 to 213.9: Grades from olivine bearing gabbro to an olivine bearing pyroxenite.
		.
		ALTERATION: Tr-1% Po at top increasing to 3-5% disseminated to blebby Po, <1% Cp at bottom of interval.
		.
		COMMENTS: Mod.-strongly magnetic depending on a Po content within lowermost subinterval.
		.
		213.9 to 221.13: Pyroxene rich gabbro? Resembles a fine grained version of the first subinterval. e.g. 134.5m -WRA 74686, but with 3-5% locally to 10-12% disseminated to faintly net textured Po and minor Cp.
		.
		ALTERATION: An average of about 7-8% Po, 0.5% Cp?
		.
		STRUCTURE: Core broken at lower contact dacite brecciated,

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
219.43	220.43	1.00	602.000	2550.000	660.000	2.800	NIL	143.000	2900.000	210.000	444.000
220.43	221.08	0.65	226.000	2400.000	435.000	2.100	NIL	170.000	6300.000	390.000	1580.000

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		but contact of intrusive is relatively planar, undulatory averaging about 70-75 to CA.												
		.												
		COMMENTS: Request WRA on sample 74672 at 220 metres.												
		.												
		"Semi-massive" sulphide from 221.13 to 221.30m within brecciated dacite appears to have settled into all available fractures suggesting the likelihood of a marbly sheet of massive material along the contact.												
221.13	236.8	Q1D CRYSTAL TUFF (Q1D Crys. Tuff) - fine grained. Pale grey. 1-2% <2mm qtz eyes. Well foliated, with occasional kinking.	221.08	221.30	0.22	172.000	3950.000	620.000	6.000	46.000	800.000	20500.000	320.000	8300.000
		.	221.30	221.75	0.45	104.000	2550.000	1300.000	2.800	54.000	46.000	1000.000	5.000	450.000
		ALTERATION: Strongly sericitized. Moderately calcite altered only adjacent to veining below. 3-4% very fine disseminated Py, tr-1% disseminated Cp from 221.3-221.6m.	221.75	222.85	1.10	95.000	19.000	220.000	0.500	29.000	6.000	12.000	NIL	NIL
		.	227.10	228.05	0.95	65.000	22.000	90.000	1.000	23.000	NIL	NIL	NIL	NIL
		STRUCTURE: Foliation 50-60 to CA, rarely to 65 degrees.	228.05	229.45	1.40	90.000	27.000	245.000	1.200	85.000	NIL	NIL	NIL	NIL
		.	229.45	230.40	0.95	595.000	17.000	500.000	8.800	300.000	NIL	NIL	NIL	NIL
		235.2 to 236.8: 2-3% vein qtz, most from 1-2cm wide lens shaped tension gashes and <10cm irregular fracture controlled crosscutting veinlets.	230.99	232.20	1.21	70.000	19.000	145.000	0.400	44.000	NIL	NIL	NIL	NIL
		.	233.70	234.70	1.00	85.000	19.000	248.000	0.600	41.000	NIL	NIL	NIL	NIL
		ALTERATION: Trace fine disseminated garnet with chains of 1-2mm garnets along the contacts of a few narrow qtz stringers.	234.70	235.76	1.06	180.000	14.000	48.000	1.600	12.000	NIL	NIL	NIL	NIL
			235.76	236.80	1.04	40.000	10.000	142.000	0.400	61.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9642

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
36.57	-75.00	4.00
121.95	-73.00	11.00
213.41	-74.00	6.00
236.80	-74.00	6.00

			ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9642W
Collar Eastings: -575.00
Collar Northings: -750.00
Collar Elevation: 1.56
Grid: Rich

Collar Inclination: -77.00
Grid Bearing: 0.00
Final Depth: 261.80 metres
Wedged from NR-96-42

Logged by: P.L.Jones
Date: 04/07/96-07/07/96
Down-hole Survey: Sperry Sun

FROM	TO	LITHOLOGICAL DESCRIPTION
67.06	104.2	DACITE TUFFS - QID AND ASH TUFFS (Dacite Tuffs - QID and Ash Tuffs) - light to medium grey. Fine to medium grained. Heterogeneous texture. Poorly defined bedding. . 67.06 to 75.5: Fine ash tuff, few qtz grains. . ALTERATION: Weak bleaching throughout as foliation parallel bands. . STRUCTURE: Bedding plane foliation at 65 to CA. . 75.5 to 81.15: Qtz eye dacite. Graded uphole to a fine laminated tuff at the uphole contact. Qtz grains most abundant at the downhole contact, decreasing in abundance towards the uphole contact. Bedding -uphole contact- at 65 to CA. Sharp downhole contact at 60 to CA. . ALTERATION: Mottled bleaching throughout, in part related to fine fracturing. 2-3% disseminated pyrite throughout the unit. . 81.15 to 97.25: Fine ash tuff, few qtz grains -especially from 67.06-75.05m. Crude bedding with possible finely laminated interval from 91.7-92m.

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

FROM	TO	LITHOLOGICAL DESCRIPTION
		.
		92.75 to 104.2: Qtz eye dacite. Texturally distinct from QID uphole. Mottled qtz rich domains dominate with abundant 20% + phibole/chlorite grains and aggregates. Downhole contact sharp at 40-50 to CA.
		.
		ALTERATION: Texture is probably effected by nearby presence of gabbro -thermally metamorphosed -broad patches in which qtz is very abundant with common amphiboles as individual grains and aggregates.
104.2	210.85	GABBRO - MUM (Gabbro - MUM) - dark green. Fine grained -coarse grained. Heterogeneous texture. Variably magnetic. Abrupt uphole contact at 40-50 to CA.
		.
		104.2 to 104.6: Chill zone. Aphanitic, fine grained. Medium to dark green.
		.
		104.6 to 109 -approximately: K-spar +/- qtz bearing gabbro. Gradational downhole contact -texturally continuous through this contact. K-spar comprises <5% of mode. Otherwise lithology is composed of a medium grained subophitic textured gabbro.
		.
		109 to 175 -approximately: Gabbro, melagabbro?, very dark green. Homogeneous, medium grained gabbro. Pyroxenes -amph. pseudomorphs? up to 5mm.
		.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
202.90	203.90	1.00	15.000	360.000	33.000	104.000	6.000	NIL	960.000	NIL	NIL
203.90	205.15	1.25	45.000	460.000	34.000	0.300	2.000	NIL	1100.000	NIL	NIL
205.15	206.30	1.15	30.000	330.000	42.000	0.200	15.000	NIL	1000.000	NIL	NIL
206.30	207.75	1.45	20.000	240.000	50.000	0.200	2.000	NIL	780.000	NIL	NIL
207.75	207.95	0.20	115.000	4200.000	240.000	6.600	7.000	NIL	3000.000	NIL	NIL
207.95	209.30	1.35	25.000	330.000	108.000	0.400	9.000	NIL	900.000	NIL	NIL
209.30	210.85	1.55	55.000	300.000	105.000	0.300	3.000	NIL	800.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		ALTERATION: Carbonate throughout the groundmass -good reaction to HCl. 1-3mm aggregates of interstial pyrite start at approximately 150m, comprising 1-2% of mode.												
		.												
		175 to 205 -approximately: Gabbro, texturally similar to interval immediately uphole. Olivine noted as individual grains up to 2-3mm -note some grains tentatively identified as olivine may be biotite/phlog. -appear to be too soft for olivine.												
		.												
		205 to 210 -approximately: Pyroxenite-gabbro /pyroxenite. Possible rare olivine grains rated.												
		.												
		ALTERATION: Po-Py as interstitial/intercumulate grains/ aggregates -comprise 3-5% of mode.												
		.												
		210 to 210.85: Chill zone. Fine grained, dark green. Sharp downhole contact with dacite at 35 to CA.												
		.												
		ALTERATION: Limited sulphide, <1%, most abundant at the downhole contact where the sulphides occur in fractures. The fractures do not extend into underlying dacite. Po-Py comprise sde species.												
210.85	261.80	DACITE TUFF, QUARTZ EYE DACITE	220.00	221.50	1.50	90.000	30.000	193.000	1.000	68.000	NIL	104.000	NIL	NIL
		(Dacite Tuff, Quartz Eye Dacite) - light to medium grey.	221.50	223.00	1.50	160.000	51.000	1000.000	2.000	210.000	NIL	132.000	NIL	NIL
		Fine grained, ash groundmass with local concentrations of	235.00	236.00	1.00	40.000	27.000	115.000	0.600	48.000	NIL	215.000	NIL	NIL
		qtz grains, crystals up to 3mm in size. Bedding contacts are	236.00	236.22	0.22	80.000	340.000	10000.000	9.200	3500.000	NIL	275.000	NIL	NIL
		not observed but possible grading occurs near the uphole contact	236.22	237.30	1.08	70.000	37.000	184.000	1.000	182.000	NIL	360.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		where the quartz crystal bearing tuff -which perseveres to EOH, grades to an ash tuff above 215m.
		.
		ALTERATION: Well foliated throughout -sericite lamellae abundant as mm bands at 30-40 to CA. Fine disseminated sulphide throughout -pyrite predominates but probable fine sphalerite also. Sulphide aggregates in fractures, Py, Sph, Cpy, quartz veins with Py, Cpy, galena?

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
242.45	242.65	0.20	10.000	10.000	380.000	NIL	18.000	NIL	380.000	NIL	NIL
242.65	243.49	0.84	40.000	39.000	280.000	NIL	30.000	NIL	530.000	NIL	NIL
243.49	243.69	0.20	10.000	6.000	300.000	NIL	16.000	NIL	650.000	NIL	NIL
249.00	250.25	1.25	435.000	34.000	510.000	2.000	480.000	80.000	950.000	NIL	NIL
250.25	250.45	0.20	325.000	46.000	130.000	2.200	600.000	75.000	850.000	NIL	NIL
250.45	250.85	0.40	820.000	24.000	760.000	1.200	174.000	NIL	950.000	NIL	NIL
250.85	251.25	0.40	525.000	42.000	760.000	2.000	290.000	NIL	850.000	NIL	NIL
253.50	253.70	0.20	1340.000	810.000	10000.000	12.400	1450.000	NIL	830.000	NIL	NIL
253.70	253.90	0.20	1090.000	500.000	9700.000	9.800	2300.000	NIL	1150.000	NIL	NIL
255.20	255.70	0.50	815.000	196.000	2600.000	1.800	188.000	NIL	1050.000	NIL	NIL
255.70	256.20	0.50	175.000	43.000	2200.000	1.400	145.000	NIL	900.000	NIL	NIL

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
36.38	-75.00	4.00
127.13	-71.00	15.00
154.57	-71.00	14.00
213.41	-71.00	15.00
261.80	-70.50	16.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9643
Collar Eastings: -525.00
Collar Northings: -725.00
Collar Elevation: 0.97
Grid: Rich

Collar Inclination: -73.00
Grid Bearing: 0.00
Final Depth: 269.14 metres
34 Zone test hole

Logged by: P.L.J./D.M.E.
Date: 07/07/96-10/07/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	10.9	OVERBURDEN (OVB) -												
10.9	20.6	MIXED METAVOLCANICS/INTRUSIONS, INT.-MAFIC (Mixed Metavols./Intrusions, Int.-Mafic) - medium to dark grey, pink, green. Fine grained. Texture observed by alteration. Local qtz grains noted up to 5mm and possibly some lithic fragments. Note however that the interval may be in part intrusive, especially given that the downhole contact is so obscure. . ALTERATION: Strongly bleached/mottled throughout, often obscures preexisting texture. Composed of fracture controlled potassic alteration, pale bleaching -silicification? and possible epidote. Trace sulphide. . COMMENTS: Strongly altered zone adjacent to a large mafic intrusion -thermally metamorphosed, metasomatized.												
20.6	44.17	GABBRO/DIORITE -MONZONITE (Gabbro/Diorite -Monzonite) - dark green. Fine to medium grained. Subophitic texture, locally granophyric k-spar and quartz occur as mm-cm scale aggregates throughout the unit in a												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		plag/pyx groundmass. Estimate 30% plag, 40% Py, 20% k-spar, 10% quartz. Locally bands/phases with more abundant quartz occur, e.g. 27.2-27.6m where blue qtz phenocrysts may comprise up to 20% of mode. Uphole contact obscure. Downhole contact abrupt, after 70cm chill zone, at 40 to CA. . ALTERATION: Weak potassic alteration, fracture controlled. . COMMENTS: Granophyric mafic intrusion.												
44.17	72	DACITE TUFF/QUARTZ EYE DACITE (Dacite Tuff/Quartz Eye Dacite) - light to medium grey. Fine grained. Quartz crystals throughout, wispy banding lamellae throughout at 50 to CA, possibly bedding planes. . ALTERATION: Mottled bleaching throughout, sericite dominantly. Fine disseminated sulphide throughout, Py, 2-3% overall. . 57.8 to 62.5 -approximately: Mafic unit. Qtz and Fsp bearing -5-10% blue qtz, 15-20% pink-grey Fsp, remainder aphanitic -fg femag minerals. Probable intrusion but contacts are difuse making id. questionable. . 62.5 to 72: QID, fine grained, grey. 5% blue qtz crystals. No bedding. Downhole contact gradational. .												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		STRUCTURE: Well foliated at 50 to CA. Becomes stronger with depth -approaching fault zone downhole.												
72	79.3	FAULT ZONE (Fault Zone) - light to medium grey, pink. Continuation of lithology uphole with stronger deformation locally chaotic texture, elsewhere strong overprinting by K-alteration and deformation obscures preexisting texture. . ALTERATION: Pink -potassic alteration throughout - fracture controlled epidote? throughout groundmass. Tr Sulphide. . STRUCTURE: Strong foliation developed at 50 to CA. . 76.1 to 78.9: rubble/breccia/open space. . COMMENTS: Possibly some lost core. . 78 to 79.3: Milky qtz vein in altered groundmass.												
79.3	80.7	DACITE TUFF/QUARTZ EYE DACITE (Dacite Tuff/Quartz Eye Dacite) - As from 62.5-72m.												
80.7	85.85	MAFIC INTERMEDIATE INTRUSION (Mafic Int. Intrusion) - dark-med. green. Fine grained-												

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		medium grained. Fsp phyric both plag. and k-spar, qtz abundant as groundmass constituent. Fsp 35%, 25% plag., 10% k-spar, femag, amphibole, biotite, pyx 50%, quartz 10-15%. Indistinct uphole contact, downhole contact chilled. . ALTERATION: Tr sulphide.												
85.85	123.95	DACITE TUFF/QUARTZ EYE DACITE (Dacite Tuff/Quartz Eye Dacite) - medium grey, pink. Fine grained. Quartz crystals throughout, but generally limited to approximately 3-5% of mode except near downhole contact where 10%+ occur. No bedding but possible grading noted from qtz crystal rich downhole contact to relatively qtz poor upper section. Transected by numerous mm scale qtz-calcite vein with associated k-alteration. Qtz vein from 111.58-112.8, milky white quartz barren. . ALTERATION: Fracture controlled k-alteration throughout the interval. Most intense alteration associated with the highest density of fractures. Trace sulphide.												
123.75	135.03	MIXED CHLORITIC/SILICIOUS TUFF (Mixed Chloritic/Silicious Tuff) - very dark green, black. Fine grained, crudely banded at 50 to CA. Sharp uphole contact at 50-60 to CA, downhole contact more difuse/ gradational at 50 to CA. Possible biotite noted. Bedded on	124.00	125.54	1.54	115.000	108.000	380.000	0.400	6.000	NIL	960.000	NIL	NIL
			125.54	127.10	1.56	85.000	137.000	430.000	0.600	NIL	NIL	1100.000	NIL	NIL
			127.10	128.64	1.54	20.000	112.000	340.000	NIL	6.000	NIL	1000.000	NIL	NIL
			128.64	130.10	1.46	40.000	75.000	240.000	NIL	5.000	NIL	780.000	NIL	NIL
			130.10	131.35	1.25	60.000	102.000	220.000	NIL	4.000	NIL	3000.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		a cm scale at downhole contact. . ALTERATION: Pyrite as bedding parallel aggregates comprise 10% of mode. . COMMENTS: Gradational from unit downhole.												
135.03	158.17	DACITE TUFF/QUARTZ EYE DACITE (Dacite Tuff/Quartz Eye Dacite) - light to medium grey. Graded interval of dacitic tuff. Coarse up to 3-4mm qtz crystals at the downhole contact decreasing in abundance uphole -at approximately 142m few or no qtz crystals remain. Uphole contact gradational to mixed interval above. . ALTERATION: Weak bleaching throughout -trace sulphide. . STRUCTURE: Foliated at 50 to CA.												
158.17	163.30	MIXED CHLORITIC SILICEOUS TUFFS (Mixed Chloritic Siliceous Tuffs) - very dark green, black, grey. Similar to interval from 123.75-135.03m. Bedded chloritic tuffs with siliceous interbeds. Bedding planes at 45 to CA. . ALTERATION: Pyrite as bedding parallel aggregates and												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		fracture filling aggregates comprise 5-7% of mode.												
163.30	269.14	DACITE TUFF/QUARTZ EYE DACITE (Dacite Tuff/Quartz Eye Dacite) - light to medium grey. Heterogeneous composition with dm scale chloritic interbeds. Bedding planes measured at 50-55 to CA. Chloritic interbeds occur at 168.2-168.95m, 171.9-173.1m, 173.55-173.95m, 202.8-204m, 209.2-210.3, 212-214..53. . ALTERATION: Low sulphide content in QID, 1-2% as fine disseminations. Sulphide content generally increases in chloritic horizons where sulphide comprises 5-8% as mg aggregates. . Above 194.1: 5-8% qtz eyes, less than 2mm diameter. . ALTERATION: Above 94.1m for approximately 10m, fine to coarse Gn present -1mm->5mm. . 194.1 to 195.65: Approximately 10% <5mm qtz eyes and at 203.3-206.3m. . 195.8 to 198.7: Broken core. Core ranges from crushed, <1cm highly angles and irregular to >5cm, broken and highly angled. . ALTERATION: Highly fractured core indicating possible fault zone. <5% fine disseminated pyrite. .												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		STRUCTURE: Fault zone. . Some <1cm qtz-calcite veins approximately 1-2 every 5m, highly reactive to acid. . ALTERATION: 204-209.2m interbeds of pyrite rich chlorite bands up to 20% Py, over interval 10% Py. . 214.53 to 269.14: 5-8% qtz eyes <5mm diameter. Qtz veins throughout generally <1cm in thickness and occurs approximately 1-2 every 3-4m. Larger veins noted at; 217.3-217.9m: 60cm thick, wallrock scattered throughout, contact at 40-50 to CA. 253.36-253.96: 60cm thick, contacts at 50-55 to CA. 254.66-254.84: 18cm thick, contacts irregular. 259.45-262.7: Seven 6-16cm thick qtz veins, some calcite, irregular contacts.											

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
23.48	-71.50	5.00
84.45	-70.50	13.00
145.43	-70.00	13.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9643

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

DEPTH	INCLINATION	BEARING
206.40	-69.00	17.00
267.38	-67.50	17.00
269.14	-67.50	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9644
Collar Eastings: -650.00
Collar Northings: -675.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -75.00
Grid Bearing: 360.00
Final Depth: 492.86 metres

Logged by:P.L.J/D.M.E
Date: 10/07/96-16/07/96
Down-hole Survey: Sperry Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	25	OVERBURDEN (OVB) -												
25	104.2	CHLORITIC SILICEOUS TUFF (Chloritic Siliceous Tuff) - medium to dark grey colour; fine grained with chloritic bands throughout. 10-15% quartz-calcite stringers. Highly fractured; fracturing filled with quartz-calcite. Few quartz grains; quartz present as stringers and fracture fillings. Heterogeneous texture, bedding is poor. . ALTERATION: Fine grained, disseminated Py. Often in bands, cm-scale of up to 35%. Generally 5-10% Py, some Cpy present in limited quantities. . STRUCTURE: Bedding at 60 to CA. . 29.5 to 35.1: Dark grey, fine grained matrix with 15% quartz-calcite stringers. . ALTERATION: Moderately fractured, 5% fine disseminated Py. . 35.1 to 39.0: Quartz present as quartz-calcite bands in core. .	35.60	36.10	0.50	315.000	67.000	290.000	3.200	3.000	NIL	960.000	NIL	NIL
			39.36	40.03	0.67	575.000	120.000	1050.000	3.400	7.000	NIL	1100.000	NIL	NIL
			61.11	61.90	0.79	150.000	252.000	650.000	2.000	12.000	NIL	1000.000	NIL	NIL
			61.90	62.54	0.64	50.000	186.000	460.000	1.200	12.000	NIL	780.000	NIL	NIL
			62.54	63.50	0.96	115.000	100.000	295.000	1.600	9.000	NIL	3000.000	NIL	NIL
			71.19	71.69	0.50	145.000	105.000	390.000	1.800	3.000	NIL	900.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		ALTERATION: 10% Py as concentrated bands. . 39.0: Quartz present as both stringers, <1cm quartz veins and as fracture fillings, occasional grains. . ALTERATION: 5-10% Py as bands and finely disseminated. . 50.9 to 60.1: K-spar fracture filling and alteration, grains present. . 60.1: Fsp fracture filling grains present. Reacts strongly with acid.												
104.2	109.87	CHLORITIC TUFF (Chloritic Tuff) - dark grey, fine grained, light-medium fracturing filled with quartz-calcite. . ALTERATION: 10-15% Py ranging from fine disseminated to banded, bands <1cm, locally up to 25%.	104.24	105.28	1.04	290.000	93.000	520.000	3.000	13.000	NIL	800.000	NIL	NIL
			105.28	106.55	1.27	35.000	103.000	405.000	0.900	9.000	NIL	104.000	NIL	NIL
			106.55	107.11	0.56	35.000	117.000	415.000	1.000	6.000	NIL	132.000	NIL	NIL
			107.11	107.69	0.58	65.000	200.000	1050.000	2.000	8.000	NIL	215.000	NIL	NIL
			107.69	108.55	0.86	80.000	145.000	365.000	2.300	2.000	NIL	275.000	NIL	NIL
			108.55	109.26	0.71	50.000	112.000	840.000	1.200	NIL	NIL	360.000	NIL	NIL
109.87	112.69	QID (QID) - medium grey, fine grained. 5-8%, 3-5mm quartz eyes. . ALTERATION: 3-5% fine disseminated Py, locally up to 10%, well foliated. . STRUCTURE: Contacts linear and at 50-60 to CA, lower	109.26	110.11	0.85	620.000	64.000	670.000	5.900	4.000	NIL	380.000	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		contact.												
112.69	118.69	DACITE TUFF/ASH TUFF (Dacite Tuff/Ash Tuff) - similar to previous interval of unit. Ash tuff showing grading, fining uphole. Graded from ash tuff at top of interval to QID with 15% <5mm quartz eyes. . ALTERATION: 3-5% fine disseminated Py, locally up to 10% for unit. Upper contact at 50 to CA. . STRUCTURE: Grading upward is evident.												
118.69	123.18	GRADED QID (Graded QID) - medium grey, fine to medium grained. Good grading is present shaving a fining uphole. Grades down from a fine grained, 1-3% small quartz eyes to 5-10% medium quartz eyes. Cycle is repeated a few times through the interval. Top of interval is ash tuff, bottom is QID. . ALTERATION: Trace to 1% fine disseminated Py. . STRUCTURE: Bedding at 45-50 to CA, through interval. Contacts are graded into other units.												
123.18	165.10	ASH TUFF GRADING TO QID (Ash Tuff Grading to QID) -												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		medium to dark grey, fine to medium grained, well graded QID. 2-5% <3-5mm quartz eyes, shows grading throughout. Grading is similar, but not as extreme as in the previous interval. Grades from ash tuff to QID with approximately 5% quartz eyes, evident near top of interval only. Grading is a cycle but is repeated throughout unit. Quartz veins occur near the top of the interval, generally <3-4cm with low calcite, and poor acid reactivity. Quartz veins show no increased sulphide. . ALTERATION: Trace to 1% fine disseminated Py. 123.18-130, bedding is present, possible laminations. 145-155m, well foliated. . STRUCTURE: Upper contact graded, foliation at 50 to CA. Bedding at 55-60 to CA. Lower contact graded, irregular contacts. . Sericitic bands present approximately 70 bands per 1 metre of core. . ALTERATION: Sericitic alteration increases downhole to lower contact. . STRUCTURE: Sericitic bedding at 45-50 to CA. 148.8-bottom of unit, trace to 1% Gn. Gn are <5mm in size. . 131.2: 3cm quartz vein with 25% tourmaline.											

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		131.6: 7cm quartz vein with 20% tourmaline.												
165.10	171.25	FRACTURE/FAULT ZONE (Fracture/Fault Zone) - light-medium grey, well bleached, well broken. Appears sheared as core is commonly disk shaped. Some core is ground and is texturally "mud" or clay. Banded texture light than dark. Light portion of rock very reactive to acid, high calcite content.	168.18	168.76	0.58	150.000	130.000	300.000	1.400	12.000	NIL	530.000	NIL	NIL
		.												
		ALTERATION: Trace sulphides present.												
		.												
		STRUCTURE: Highly sheared. Break or gouge is located at 166.2m, where rock is clay-like. Note -See log for a graphic description of rock.												
171.25	424.6	QID (QID) - medium grey, fine-medium grained, 5-8% <5mm quartz eyes. 202m and below are intersections with the 17 zone. <2cm quartz veins present throughout, often containing high percentages of calcite, approximately 1-2 every 5m.	171.81	172.27	0.46	50.000	130.000	290.000	1.000	26.000	NIL	650.000	NIL	NIL
			172.27	173.10	0.83	60.000	86.000	340.000	1.100	16.000	80.000	950.000	NIL	NIL
			173.54	173.94	0.40	115.000	135.000	360.000	1.600	NIL	75.000	850.000	NIL	NIL
			181.90	183.00	1.10	60.000	27.000	305.000	0.600	43.000	NIL	950.000	NIL	NIL
		.	183.00	183.89	0.89	900.000	50.000	1500.000	2.000	105.000	NIL	850.000	NIL	NIL
		ALTERATION: 2-3% fine disseminated sulphides, Py, Sph,	183.89	184.65	0.76	285.000	29.000	670.000	1.200	105.000	NIL	830.000	NIL	NIL
		trace to 1% Gn. Sericitic alteration increases approximately	184.65	185.13	0.48	1190.000	365.000	3900.000	7.600	1700.000	NIL	1150.000	NIL	NIL
		30-35 bands per metre of core.	185.13	186.07	0.94	150.000	31.000	130.000	0.700	38.000	NIL	1050.000	NIL	NIL
		.	186.07	187.24	1.17	720.000	49.000	580.000	0.800	46.000	NIL	900.000	NIL	NIL
		STRUCTURE: Sericitic alteration.	199.51	202.02	2.51	155.000	123.000	2250.000	1.600	286.000	91.000	1350.000	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9644

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS											
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.	202.02	202.67	0.65	845.000	96.000	4750.000	1.800	265.000	84.000	1400.000	85.000	274.000
		Quartz veins present at:	202.67	202.80	0.13	150.000	88.000	2000.000	0.900	138.000	65.000	1100.000	NIL	NIL
		204.85: 25cm, low calcite.	202.80	203.45	0.65	100.000	80.000	218.000	0.800	13.000	160.000	3650.000	290.000	884.000
		.	203.45	204.00	0.55	95.000	145.000	108.000	0.800	16.000	181.000	4500.000	410.000	1200.000
		ALTERATION: Contacts irregular at 45-60 to CA.	204.14	205.23	1.09	90.000	56.000	3250.000	0.600	54.000	117.000	2400.000	170.000	508.000
		.	205.23	206.30	1.07	115.000	105.000	4850.000	1.200	142.000	89.000	1300.000	NIL	NIL
		200.7: 3cm, low calcite.	206.30	206.92	0.62	165.000	107.000	5750.000	1.400	244.000	165.000	2900.000	NIL	NIL
		.	206.92	208.29	1.37	6780.000	132.000	5000.000	5.000	100.000	143.000	2900.000	210.000	444.000
		ALTERATION: Contacts at 80 to CA.	208.29	209.30	1.01	750.000	130.000	3950.000	1.300	152.000	170.000	6300.000	390.000	1580.000
		.	209.30	210.30	1.00	25.000	27.000	160.000	0.600	28.000	800.000	20500.000	320.000	8300.000
		216.8: 30cm, barren white quartz.	210.30	210.64	0.34	840.000	107.000	4000.000	1.300	270.000	46.000	1000.000	5.000	450.000
		.	212.00	212.14	0.14	1550.000	178.000	3900.000	1.700	84.000	6.000	12.000	NIL	NIL
		ALTERATION: Contacts irregular.	212.14	212.80	0.66	20.000	24.000	225.000	0.300	6.000	NIL	NIL	NIL	NIL
		.	212.80	213.11	0.31	1000.000	262.000	5000.000	2.800	140.000	NIL	NIL	NIL	NIL
		Increase in bleaching. i.e. rock is lighter in colour	213.11	213.62	0.51	29210.000	600.000	3400.000	12.500	275.000	NIL	NIL	NIL	NIL
		than above unit. Sericitic alteration increases at 17 zone.	213.67	215.12	1.45	2150.000	202.000	5650.000	7.400	70.000	NIL	NIL	NIL	NIL
		.	215.12	216.38	1.26	2760.000	98.000	3550.000	3.300	35.000	NIL	NIL	NIL	NIL
		ALTERATION: 220-245m, core is lighter in colour due	216.38	216.75	0.37	1350.000	550.000	9400.000	3.600	46.000	NIL	NIL	NIL	NIL
		to bleaching.	216.75	217.33	0.58	745.000	86.000	2600.000	1.000	54.000	NIL	NIL	NIL	NIL
		.	217.33	217.45	0.12	1380.000	140.000	780.000	2.400	32.000	NIL	NIL	NIL	NIL
		STRUCTURE: Sericitic alteration planes at 45 to CA.	217.45	217.96	0.51	690.000	106.000	1100.000	1.200	50.000	NIL	NIL	NIL	NIL
		.	217.96	218.50	0.54	7510.000	530.000	2000.000	7.000	105.000	NIL	NIL	NIL	NIL
		ALTERATION: 171.25-200m, trace <1mm Gn.	218.50	219.46	0.96	1400.000	170.000	3350.000	1.700	62.000	NIL	NIL	NIL	NIL
		200-220m, 1% Gn as <5mm crystals; below 220-245m,	219.46	220.36	0.90	1070.000	140.000	4500.000	3.300	285.000	NIL	NIL	NIL	NIL
		trace Gn. 245m-end of unit. 1% Gn as <5mm crystals,	220.36	221.50	1.14	655.000	130.000	5300.000	1.600	325.000	NIL	NIL	NIL	NIL
		locally up to approximately 3%. Sph present as trace	221.50	222.40	0.90	1750.000	58.000	2150.000	2.000	400.000	NIL	NIL	NIL	NIL
		throughout, locally can be up to 5%, fine.	222.40	223.34	0.94	600.000	84.000	4400.000	1.900	375.000	NIL	NIL	NIL	NIL
		.	223.34	224.02	0.68	220.000	83.000	2350.000	1.100	168.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		240: Grading cycle.	224.02	224.94	0.92	280.000	104.000	3900.000	1.200	195.000	NIL	NIL	NIL	NIL
		.	224.94	225.97	1.03	530.000	95.000	2650.000	1.100	182.000	NIL	NIL	NIL	NIL
		273: Grading cycle, fining upwards; upper portion of	225.97	227.29	1.32	370.000	124.000	2600.000	1.300	198.000	NIL	NIL	NIL	NIL
		cycle ash tuff, lower QID.	228.20	229.70	1.50	290.000	52.000	3150.000	1.300	185.000	NIL	NIL	NIL	NIL
		.	229.70	231.20	1.50	450.000	60.000	3450.000	1.100	70.000	NIL	NIL	NIL	NIL
		ALTERATION: Trace to 1% fine Py, trace Sph, trace Gn.	231.20	232.48	1.28	140.000	45.000	2000.000	0.500	70.000	NIL	NIL	NIL	NIL
		.	232.48	233.95	1.47	95.000	34.000	1700.000	0.600	75.000	NIL	NIL	NIL	NIL
		294: Grading cycle. Shows similar to other grading	233.95	235.45	1.50	135.000	18.000	780.000	0.400	31.000	NIL	NIL	NIL	NIL
		cycles, but not as defined; harder to see.	235.45	236.56	1.11	115.000	36.000	2100.000	0.600	38.000	NIL	NIL	NIL	NIL
		.	236.56	237.68	1.12	90.000	30.000	900.000	1.100	60.000	NIL	NIL	NIL	NIL
		ALTERATION: Trace to 1% fine Py, trace Sph, Gn, locally	237.68	238.65	0.97	105.000	14.000	2000.000	0.800	178.000	NIL	NIL	NIL	NIL
		can be 5-8% Py, 1-2% Sph and up to 1% Gn; only over small	238.65	240.35	1.70	135.000	128.000	2450.000	3.000	35.000	NIL	NIL	NIL	NIL
		<5cm intervals.	240.35	241.01	0.66	115.000	130.000	8300.000	0.800	27.000	NIL	NIL	NIL	NIL
		.	241.01	241.54	0.53	100.000	19.000	980.000	0.500	25.000	NIL	NIL	NIL	NIL
		Sericitic alteration is still evident, not as altered below 225m,	241.54	242.54	1.00	120.000	18.000	195.000	0.300	55.000	NIL	NIL	NIL	NIL
		17 zone as was above.	242.54	243.31	0.77	465.000	45.000	780.000	2.800	700.000	NIL	NIL	NIL	NIL
		.	243.31	243.74	0.43	1010.000	155.000	6600.000	4.700	1500.000	NIL	NIL	NIL	NIL
		266.4: Possible fracture or fault, filled with very light grey	258.10	259.05	0.95	60.000	17.000	140.000	NIL	12.000	NIL	NIL	NIL	NIL
		ground up wet clay-like rock, very reactive to acid. Also	259.05	260.26	1.21	30.000	16.000	290.000	NIL	9.000	NIL	NIL	NIL	NIL
		present at 268.12m and at 268.92m, both similar to above and	260.26	260.85	0.59	25.000	16.000	135.000	NIL	4.000	NIL	NIL	NIL	NIL
		both <3cm.	260.85	261.45	0.60	40.000	11.000	102.000	NIL	7.000	NIL	NIL	NIL	NIL
		.	261.45	262.37	0.92	95.000	17.000	102.000	NIL	9.000	NIL	NIL	NIL	NIL
		ALTERATION: <10cm band of highly altered core, crushed	262.37	263.68	1.31	70.000	11.000	418.000	0.200	7.000	NIL	NIL	NIL	NIL
		and ground into a wet clay-like substance. Sericitic alteration is	263.68	264.64	0.96	55.000	15.000	140.000	NIL	7.000	NIL	NIL	NIL	NIL
		evident around fault?	264.64	265.57	0.93	55.000	16.000	165.000	0.200	6.000	NIL	NIL	NIL	NIL
		.	265.57	266.30	0.73	50.000	13.000	134.000	0.200	16.000	NIL	NIL	NIL	NIL
		STRUCTURE: Cm-scale deformation zone. Well fracture filled	266.30	267.30	1.00	70.000	6.000	11.000	NIL	2.000	NIL	NIL	NIL	NIL
		by light grey clay-like gouge.	267.30	268.12	0.82	70.000	10.000	216.000	0.200	5.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.	268.12	269.04	0.92	15.000	19.000	314.000	NIL	NIL	NIL	NIL	NIL	NIL
		322.3: Quartz vein, 20cm wide.	269.04	270.30	1.26	290.000	31.000	1950.000	1.300	3.000	NIL	NIL	NIL	NIL
		.	275.59	276.40	0.81	940.000	112.000	2400.000	1.600	12.000	NIL	NIL	NIL	NIL
		ALTERATION: 5% Py, trace Sph.	276.40	277.50	1.10	960.000	60.000	260.000	2.400	18.000	NIL	NIL	NIL	NIL
		.	277.50	278.45	0.95	625.000	80.000	920.000	2.600	23.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts irregular and not measurable.	278.45	278.99	0.54	1120.000	42.000	520.000	1.500	24.000	NIL	NIL	NIL	NIL
		.	278.99	280.09	1.10	2200.000	53.000	2100.000	2.800	28.000	NIL	NIL	NIL	NIL
		328.2 to 337.4: Lack of quartz eyes of crystals. Approximate	280.09	281.50	1.41	315.000	93.000	980.000	1.300	19.000	NIL	NIL	NIL	NIL
		amount of quartz eyes, trace to 1%. Ash tuff, possible grading	281.50	283.00	1.50	1260.000	20.000	285.000	1.200	13.000	NIL	NIL	NIL	NIL
		cycle from 328-343m, ash tuff to QID. Core is uniform throughout.	283.00	284.10	1.10	285.000	138.000	182.000	2.100	10.000	NIL	NIL	NIL	NIL
		.	284.10	284.86	0.76	225.000	175.000	455.000	2.500	19.000	NIL	NIL	NIL	NIL
		338 to 342: Quartz calcite fracture fillings throughout this	284.86	285.75	0.89	210.000	74.000	245.000	1.500	9.000	NIL	NIL	NIL	NIL
		area, approximately 8-10% of rock.	303.80	304.95	1.15	2250.000	110.000	1900.000	3.000	19.000	NIL	NIL	NIL	NIL
		.	304.95	305.40	0.45	2250.000	280.000	11000.000	5.000	32.000	NIL	NIL	NIL	NIL
	305.40	306.12	0.72	1540.000	84.000	850.000	2.400	21.000	NIL	NIL	NIL	NIL		
		342.6 to 345: Notable increase in colour to a slightly darker	306.12	307.17	1.05	1500.000	106.000	2900.000	23.500	132.000	NIL	NIL	NIL	NIL
		grey. Textural difference, increase in chloritic and siliceous	307.17	308.17	1.00	3550.000	21.000	155.000	2.500	84.000	NIL	NIL	NIL	NIL
		beds.	308.17	309.32	1.15	395.000	6.000	76.000	0.200	4.000	NIL	NIL	NIL	NIL
		.	313.67	314.52	0.85	2870.000	25.000	332.000	0.900	26.000	NIL	NIL	NIL	NIL
		ALTERATION: 3-5% Py as fine crystals. Possible? deformation	322.17	322.93	0.76	225.000	48.000	480.000	2.200	74.000	NIL	NIL	NIL	NIL
		zone.	328.32	329.82	1.50	110.000	21.000	83.000	0.600	38.000	NIL	NIL	NIL	NIL
		.	329.82	331.30	1.48	105.000	26.000	186.000	1.700	125.000	NIL	NIL	NIL	NIL
		STRUCTURE: Upper contact at 40 to CA.	331.30	332.75	1.45	140.000	50.000	600.000	2.400	168.000	NIL	NIL	NIL	NIL
		.	332.75	334.20	1.45	230.000	120.000	1650.000	5.700	395.000	NIL	NIL	NIL	NIL
		368 to 375: Bleached/fracture controlled alteration. Around	342.73	343.39	0.66	95.000	180.000	3900.000	20.000	2500.000	NIL	NIL	NIL	NIL
		fractures core is bleached, giving a banded, or fragmental	343.39	344.38	0.99	35.000	36.000	170.000	0.500	21.000	NIL	NIL	NIL	NIL
		appearance. Pseudobreccia.	344.38	345.11	0.73	20.000	21.000	142.000	0.200	18.000	NIL	NIL	NIL	NIL
		.	345.11	346.40	1.29	25.000	18.000	295.000	1.100	20.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9644

FROM	TO	LITHOLOGICAL DESCRIPTION
		ALTERATION: Garnets present as pinkish crystals, and
		as 1% of core. 3% fine disseminated Py, trace Sph.
		.
		STRUCTURE: Fragmental; looks like a "breccia".
		.
		384: <1% quartz eyes, possible ash tuff.
		.
		ALTERATION: 1% garnet in ash-like core. 3-5% fine
		disseminated Py, trace Sph.
		.
		STRUCTURE: Bedding at 55 to CA.
		.
		388.13 to 389: Mafic dyke. Dark green, medium grained.
		Reacts vigorously to acid.
		.
		ALTERATION: Fractures filled with calcite-quartz.
		.
		STRUCTURE: Upper and lower contacts at 20 to CA.
		.
		389.77 to 389.89: Smaller mafic dyke. Dyke is more fractured
		than above.
		.
		ALTERATION: 5% of core is calcite-quartz fracture fillings.
		.
		STRUCTURE: Upper and lower contacts at 25 to CA.
		.
		Below dyke, QID is highly fractured mm-scale for about
		a metre then into less fractured core.

ASSAYS											
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
348.90	349.60	0.70	25.000	9.000	680.000	1.200	18.000	NIL	NIL	NIL	NIL
357.35	358.70	1.35	NIL	19.000	80.000	NIL	6.000	NIL	NIL	NIL	NIL
363.50	364.80	1.30	NIL	39.000	102.000	0.400	8.000	NIL	NIL	NIL	NIL
364.80	365.96	1.16	5.000	42.000	98.000	0.500	7.000	NIL	NIL	NIL	NIL
372.80	373.90	1.10	40.000	22.000	70.000	1.900	18.000	NIL	NIL	NIL	NIL
373.90	375.32	1.42	100.000	13.000	48.000	1.100	8.000	NIL	NIL	NIL	NIL
381.77	383.10	1.33	95.000	24.000	85.000	3.200	11.000	NIL	NIL	NIL	NIL
383.10	384.12	1.02	10.000	46.000	88.000	0.400	4.000	NIL	NIL	NIL	NIL
384.12	385.29	1.17	25.000	13.000	70.000	0.500	9.000	NIL	NIL	NIL	NIL
391.35	392.20	0.85	35.000	34.000	116.000	2.700	48.000	NIL	NIL	NIL	NIL
392.20	393.07	0.87	30.000	31.000	210.000	2.200	42.000	NIL	NIL	NIL	NIL
398.30	399.46	1.16	80.000	30.000	230.000	2.100	45.000	NIL	NIL	NIL	NIL
399.46	401.40	1.94	220.000	40.000	340.000	2.900	54.000	NIL	NIL	NIL	NIL
409.85	410.50	0.65	90.000	43.000	165.000	1.100	76.000	NIL	NIL	NIL	NIL
412.80	413.60	0.80	435.000	72.000	780.000	1.700	290.000	NIL	NIL	NIL	NIL
413.60	414.24	0.64	340.000	43.000	480.000	1.300	365.000	NIL	NIL	NIL	NIL
414.24	415.03	0.79	60.000	44.000	1100.000	1.300	335.000	NIL	NIL	NIL	NIL
415.03	416.60	1.57	40.000	22.000	145.000	0.200	34.000	NIL	NIL	NIL	NIL
416.60	417.25	0.65	NIL	34.000	328.000	NIL	4.000	NIL	NIL	NIL	NIL
417.25	418.18	0.93	140.000	73.000	360.000	0.500	38.000	NIL	NIL	NIL	NIL
418.18	419.05	0.87	115.000	112.000	1300.000	2.000	412.000	NIL	NIL	NIL	NIL
419.05	419.70	0.65	220.000	130.000	3150.000	1.400	100.000	NIL	NIL	NIL	NIL
419.70	420.00	0.30	600.000	28.000	1100.000	2.900	60.000	NIL	NIL	NIL	NIL
420.00	420.24	0.24	165.000	38.000	1250.000	1.400	37.000	NIL	NIL	NIL	NIL
420.24	420.41	0.17	375.000	500.000	23800.000	2.600	35.000	NIL	NIL	NIL	NIL
420.41	420.79	0.38	440.000	230.000	5200.000	1.400	121.000	NIL	NIL	NIL	NIL
420.79	422.28	1.49	220.000	72.000	1400.000	1.000	126.000	NIL	NIL	NIL	NIL
422.28	423.12	0.84	340.000	165.000	4700.000	1.600	30.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		.
		ALTERATION: 5% fine disseminated sulphides as Py, Sph, Gn present as trace under microscope.
		.
		401 to 408: Pseudofragmental subunit, similar to above subinterval of same.
		.
		ALTERATION: 4% fine disseminated sulphide as Py, Sph. Py>Sph.
		.
		408 to 416.75: QID. Approximately 10% quartz eyes as <5mm crystals.
		.
		ALTERATION: 3-5% fine disseminated sulphides as Py, Sph. Py>Sph. 1-2% garnet as <3mm crystals. Sericitic alteration present, core is strongly bleached in areas.
		.
		STRUCTURE: Bedding at 50 to CA.
		.
		416.75 to 417.23: Mafic dyke, similar to above mafic dykes.
		.
		ALTERATION: Few small mm-scale fractures filled with calcite-quartz.
		.
		STRUCTURE: Contacts at 45 to CA, irregular.
		.
		414 to 416.75: Increase in sulphide content most apparent, increased quartz eyes not as extreme as below 417.23m.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
423.12	424.48	1.36	265.000	58.000	1700.000	NIL	18.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		.												
		Below 417.23: Quartz eyes increase in both size and quantity.												
		.												
		ALTERATION: Increase in sulphide, 5-6% present as fine disseminated Py and Sph. Py>Sph. 1% garnet present as <3mm pink crystals. 413.8m, garnets present locally over 20-30cm as <5mm crystal, making up to 3-4% of core.												
		.												
		424.6: 13cm mafic dyke.												
		.												
		426 to 448: Structurally and texturally different. Large 6-7mm quartz eyes present. Light-medium grey.												
		.												
		ALTERATION: Wispy sulphides present as 15% of rock. 1% Gn present, Cpy present as fine crystals; <3% Po present as 1-2% fine crystals. Sph approximately 8%, locally up to 20%.												
		.												
		441.2: 17cm mafic dyke. Fine grained, medium pale green.												
		.												
		448.5 and below: No visible Gn present. Above 448.5m, Gn present as 1-2% <5mm crystals.												
		.												
		ALTERATION: Quartz-calcite veins present, approximately 1-2 every 2 metres.												
		.												
		450, 459, 465, 477: Increase in number of quartz-eyes, crystals from what appears to be an ash and has <2% quartz eyes to a												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		QID that has <8% quartz eyes. . 452.2 to 468.8: Quartz vein, 30cm wide. Quartz-calcite vein 10cm. . ALTERATION: Trace sulphide on contacts. . STRUCTURE: Contacts irregular. . Below 452.2: Rock is uniform in appearance. Only difference is percentage of quartz eyes. Quartz eyes vary from 1% to approximately 10%. . ALTERATION: Lacks in sulphides, trace percentages present, no Gn. . 477.6 to 492.8: QID, medium grey, fine grained, <5% mm-scale quartz eyes, cm-scale quartz calcite veins, approximately 1 every 5m. . ALTERATION: 2% fine Py, moderate bleaching in areas, generally little bleaching, locally increased percentage of sulphides. . STRUCTURE: Bedding at 40 to CA. Vein contacts irregular throughout, approximately 35-45 to CA.											

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9644

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
24.99	-75.00	360.00
66.14	-74.00	360.00
127.10	-73.00	6.00
188.06	-70.50	5.00
249.02	-69.50	8.00
309.98	-68.00	7.00
370.94	-66.00	13.00
431.90	-62.50	15.00
492.86	-60.50	15.00

FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9645
Collar Eastings: -550.00
Collar Northings: -550.00
Collar Elevation: -0.50
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 270.00
Final Depth: 304.10 metres

Logged by: P.L.J./D.M.E.
Date: 16/07/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
0	50.5	OVERBURDEN (OVB) -												
50.5	136.9	QID (QID) - medium grey, fine-medium grained.	76.85	78.30	1.45	165.000	18.000	96.000	0.300	20.000	NIL	960.000	NIL	NIL
		Highly reactive to acid, fizzes vigorously with no	82.58	84.08	1.50	460.000	66.000	1640.000	0.900	412.000	NIL	1100.000	NIL	NIL
		scratching.	87.40	89.10	1.70	5340.000	27.000	73.000	0.500	27.000	NIL	530.000	NIL	NIL
		.	89.10	89.44	0.34	370.000	30.000	570.000	0.700	230.000	NIL	1000.000	NIL	NIL
		ALTERATION: Trace to 1% sulphides unless otherwise	96.60	97.86	1.26	11690.000	57.000	4200.000	0.800	165.000	NIL	650.000	NIL	NIL
		noted.	100.70	100.91	0.21	390.000	44.000	620.000	1.600	146.000	NIL	780.000	NIL	NIL
		.	100.91	101.53	0.62	150.000	29.000	2850.000	1.800	380.000	NIL	3000.000	NIL	NIL
		50.5 to 72.2: Core is highly broken and well weathered.	101.53	101.74	0.21	70.000	57.000	2550.000	2.000	465.000	NIL	900.000	NIL	NIL
		Calcite-rich portion of rock is weathered, leaving a highly	101.74	102.70	0.96	520.000	109.000	3950.000	1.400	96.000	NIL	800.000	NIL	NIL
		pitted appearance on the core. Highly fractured and	105.52	105.70	0.18	310.000	27.000	245.000	2.700	90.000	NIL	104.000	NIL	NIL
		crackled. Crushed to aggregates that range from mm	105.70	106.50	0.80	735.000	47.000	2150.000	5.200	102.000	NIL	132.000	NIL	NIL
		size to 20cm core pieces; rare quartz eyes present.	106.50	107.85	1.35	350.000	74.000	1470.000	4.500	150.000	NIL	215.000	NIL	NIL
		.	107.85	108.80	0.95	5890.000	26.000	1450.000	19.000	175.000	NIL	275.000	NIL	NIL
		ALTERATION: Trace sulphide, Py, Sph as fine disseminated	108.80	109.35	0.55	3760.000	87.000	3250.000	5.200	205.000	NIL	360.000	NIL	NIL
		crystals in core. Moderate sericitic alteration present throughout	109.35	109.95	0.60	44300.000	173.000	5600.000	10.800	820.000	NIL	380.000	NIL	NIL
		the interval.	110.85	111.63	0.78	89830.000	300.000	22300.000	38.500	720.000	80.000	950.000	NIL	NIL
		.	111.63	112.31	0.68	5050.000	62.000	3450.000	2.300	84.000	75.000	850.000	NIL	NIL
		STRUCTURE: Probable fault zone? around 71.0m.	112.31	112.93	0.62	11450.000	570.000	3050.000	6.400	165.000	NIL	950.000	NIL	NIL
		Exact location unknown and unfindable.	112.93	113.86	0.93	7800.000	375.000	6500.000	5.600	130.000	NIL	850.000	NIL	NIL
		.	113.86	114.47	0.61	10830.000	530.000	10600.000	6.000	214.000	NIL	830.000	NIL	NIL
		Below 72.2: Core is intact. Grades from strongly weathered	114.47	114.90	0.43	8570.000	560.000	14600.000	11.600	1150.000	NIL	1150.000	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9645

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		to little or no weathering evident, i.e. core is intact.	114.90	115.92	1.02	4800.000	168.000	4100.000	10.000	1050.000	NIL	1050.000	NIL	NIL
		.	115.92	116.73	0.811	1900.000	710.000	11100.000	15.800	2050.000	NIL	900.000	NIL	NIL
		ALTERATION: 2-3% sulphides throughout interval. Locally	116.73	117.35	0.62	3700.000	81.000	3900.000	3.400	345.000	91.000	1350.000	NIL	NIL
		percentages are higher. Local higher percentage sulphide	117.35	117.90	0.55	500.000	64.000	2900.000	2.100	240.000	84.000	1400.000	85.000	274.000
		zones present. Moderate to strong sericitic alteration.	117.90	118.40	0.50	5440.000	105.000	3750.000	5.000	92.000	65.000	1100.000	NIL	NIL
		.	118.40	118.80	0.40	8950.000	93.000	4350.000	7.700	165.000	160.000	3650.000	290.000	884.000
		72.2 to 77: 5% <5mm quartz eyes; slight pitting of core	118.80	119.45	0.65	3850.000	123.000	6200.000	3.700	252.000	181.000	4500.000	410.000	1200.000
		present, medium to dark grey.	119.45	120.10	0.65	7930.000	115.000	5800.000	6.500	345.000	117.000	2400.000	170.000	508.000
		.	120.10	121.00	0.901	1790.000	142.000	3250.000	10.000	355.000	89.000	1300.000	NIL	NIL
		ALTERATION: Trace sulphides, Py. Sericitic alteration	121.00	121.91	0.91	1450.000	193.000	4700.000	3.700	155.000	165.000	2900.000	NIL	NIL
		present.	121.91	122.88	0.97	1140.000	15.000	145.000	0.900	86.000	143.000	2900.000	210.000	444.000
		.	122.88	123.32	0.44	1280.000	13.000	1230.000	1.300	296.000	170.000	6300.000	390.000	1580.000
		STRUCTURE: Moderately broken at top, intact at bottom.	123.32	124.15	0.83	930.000	17.000	470.000	0.900	60.000	800.000	20500.000	320.000	8300.000
		Foliation 45 to CA.	124.15	125.15	1.00	1830.000	53.000	1650.000	1.100	47.000	46.000	1000.000	5.000	450.000
		.	125.15	125.95	0.80	535.000	78.000	4350.000	2.800	560.000	6.000	12.000	NIL	NIL
		77 to 90.5: Light to medium grey, fine-medium grained.	125.95	126.60	0.65	115.000	50.000	2800.000	0.900	114.000	NIL	NIL	NIL	NIL
		Approximately 2-3% quartz eyes.	126.60	126.93	0.33	195.000	80.000	1630.000	1.000	135.000	NIL	NIL	NIL	NIL
		.	126.93	127.71	0.78	200.000	33.000	1830.000	0.600	78.000	NIL	NIL	NIL	NIL
		ALTERATION: 2% sulphide as Py, Sph. 82.8m, 1% Py,	127.71	128.88	1.17	150.000	50.000	2600.000	0.900	86.000	NIL	NIL	NIL	NIL
		trace Sph. 84.4m, 2% Py. 87.5m, 1% Py.	128.88	130.10	1.22	290.000	46.000	2600.000	0.400	25.000	NIL	NIL	NIL	NIL
		.	130.10	130.64	0.541	5840.000	40.000	10300.000	5.500	52.000	NIL	NIL	NIL	NIL
		89.0: 3cm wide pinkish white, quartz-calcite vein; reacts	130.64	131.44	0.80	2210.000	40.000	1820.000	5.000	34.000	NIL	NIL	NIL	NIL
		with acid.	131.44	132.06	0.62	505.000	156.000	6700.000	2.500	70.000	NIL	NIL	NIL	NIL
		.	132.06	133.10	1.04	530.000	90.000	2750.000	1.000	45.000	NIL	NIL	NIL	NIL
		ALTERATION: Tourmaline present in vein near wallrock,	133.10	133.40	0.30	1570.000	42.000	3800.000	1.700	106.000	NIL	NIL	NIL	NIL
		galena present in vein near wallrock.	133.40	134.30	0.90	2960.000	113.000	4950.000	1.500	34.000	NIL	NIL	NIL	NIL
		.	134.30	134.85	0.55	325.000	93.000	2600.000	0.700	38.000	NIL	NIL	NIL	NIL
		COMMENTS: Sampled.	134.85	136.00	1.15	540.000	92.000	2900.000	0.600	30.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		.
		90.5 to 108.8: Medium to dark grey, increase in quartz eyes to approximately 5-8% <5mm.
		.
		ALTERATION: 1-2% sulphide throughout the interval. 106.1, 2% fine disseminated Py. 108.9m, 4% Py, Sph trace to 1% galena.
		.
		STRUCTURE: Movement evident at 92.7m by offset of fracture filling.
		.
		101.5: Small quartz-calcite vein; 1-2cm wide. Vein is slightly pinkish-white in colour with black -galena speckles throughout.
		.
		ALTERATION: Galena present in vein, approximately 3-5% of vein.
		.
		STRUCTURE: Irregular contacts, approximately 45 to CA.
		.
		COMMENTS: Sampled.
		.
		102.75: Small quartz-calcite vein with minimal mineralization. Pinkish-white vein.
		.
		ALTERATION: Mineralized with trace to 1% galena.
		.
		102.1: Mineralized zone.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
136.00	136.90	0.90	425.000	47.000	2100.000	0.900	166.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. ALTERATION: 2% sulphides as fine disseminated; Py, Sph. 105.7: 12cm quartz-calcite vein, slightly pinkish-white in colour. . ALTERATION: Galena present in veins, approximately 3-5% of smaller vein only. . STRUCTURE: Large vein, upper contact at 45 to CA, lower at 80 to CA. Smaller vein, upper and lower at approximately 45 to CA. . 105.9: Small <2cm quartz-calcite vein with black streaks in a pinkish-white quartz matrix. . ALTERATION: Tourmaline present in wallrock between veins approximately 2% of rock. Sph present in trace to 1% quantities. . 110 to 110.12: Medium green mafic dyke with Fsp crystals, <1mm throughout. . ALTERATION: Sulphide, Py, Sph, 5-8% at upper contact of dyke. . STRUCTURE: Contacts at 30-35 to CA. . 90.5 to 118.3: Quartz eyes <5mm and 3-5% of core. Rock												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		is very homogeneous and there are few textural differences throughout the interval. Reacts strongly to acid. Core is medium grey with light grey bands, calcite.												
		.												
		ALTERATION: Moderate sericite alteration present. Tourmaline present in core as trace mineral Gn present in core throughout subinterval. Gn increases with depth in subinterval. 1-2% throughout, can be up to 5% locally.												
		.												
		118.3 to 119.45: Medium grey matrix with darker grey pseudofragments. Appearance is like a breccia. Above subinterval grades from no fragments, over about 30cm. Below grades out over 50cm, <3% quartz eyes as <5mm crystals.												
		.												
		ALTERATION: Sulphide percent as about 5% of core, Py, Sph.												
		.												
		119.45 to 124.15: Medium grey with lighter grey <mm bands, pinstripes. Light areas are highly reactive to acid. 3-5% quartz eyes as <5mm crystals. Fracture fillings are of quartz-calcite or of calcite. Reacts to acid strongly.												
		.												
		ALTERATION: 3-5% fine disseminated sulphides as Py, Sph. Increase in sulphides along fractures, Py, Sph. Gn present as trace to 1% of rock, small -generally <5mm.												
		.												
		STRUCTURE: Foliation 40 to CA.												

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		. 124.15 to 136.9: QID, medium to dark grey, fine grained. Grading to medium grained, lighter grey core. Lighter core near bottom of subunit is highly reactive to acid compared to upper portion of subinterval. Grading shows a general fining upwards in core. Increase in quartz eyes with depth from 3-5% quartz eyes, <2mm crystals to 5-8% quartz eyes as <5mm crystals. . ALTERATION: Trace to 1% Gn throughout, locally in bands of up to 4%, commonly found in higher percentages along fractures. 3-5% sulphides, Py, Sph throughout. Local bands can be >10%. Sericitic alteration.											
136.9	139.55	MAFIC DYKE (Mafic Dyke) - dark grey, black in colour, medium grained with light grey speckles that are calcite rich and react with acid. Fsp present throughout dyke. . ALTERATION: Fractures throughout that are filled with calcite-quartz all are <2mm wide and generally trend at 45 to CA. Trace to 1% fine disseminated Py in dyke. . STRUCTURE: Upper contact at 35 to CA, lower contact at 30-35 to CA slightly irregular in shape.											
139.55	303.9	QID (QID) - medium grey, fine to medium grained.	139.55	140.55	1.00	630.000	89.000	8100.000	1.700	110.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS									
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		Highly reactive to acid especially in areas of lighter	140.55	141.60	1.05	2530.000	9.000	200.000	1.200	44.000	NIL	NIL	NIL	NIL
		colour. 5% quartz eyes as <5mm crystals.	141.60	142.10	0.50	1820.000	24.000	380.000	2.100	136.000	NIL	NIL	NIL	NIL
		.	142.10	143.30	1.20	3050.000	38.000	1020.000	1.200	262.000	NIL	NIL	NIL	NIL
		ALTERATION: 5% sulphide throughout, Sph, Py.	143.30	143.95	0.65	720.000	142.000	4150.000	1.800	31.000	NIL	NIL	NIL	NIL
		Gn present throughout subinterval approximately 2-3%	143.95	145.30	1.35	10350.000	148.000	5400.000	4.500	46.000	NIL	NIL	NIL	NIL
		locally sulphide can be in bands of up to 20-30% Py,	145.30	146.11	0.81	43610.000	1420.000	10000.000	193.000	375.000	NIL	NIL	NIL	NIL
		Sph. Strong sericitic alteration throughout.	146.11	146.91	0.80	2270.000	230.000	11400.000	3.100	30.000	NIL	NIL	NIL	NIL
		.	146.91	147.60	0.69	1620.000	730.000	19300.000	4.200	95.000	NIL	NIL	NIL	NIL
		141.7: 5cm wide quartz-calcite, runs nearly parallel	147.60	148.40	0.80	570.000	153.000	7600.000	1.400	36.000	NIL	NIL	NIL	NIL
		to the core axis. Visible over 30cm at the core.	148.40	149.10	0.70	2700.000	119.000	4400.000	2.700	17.000	NIL	NIL	NIL	NIL
		.	149.10	149.52	0.42	380.000	55.000	1970.000	2.700	235.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts irregular.	149.52	150.64	1.12	590.000	210.000	5700.000	1.600	110.000	NIL	NIL	NIL	NIL
		.	150.64	151.50	0.86	1350.000	91.000	2900.000	1.000	22.000	NIL	NIL	NIL	NIL
		143.3: 1cm wide mafic dyke. Medium greyish-green,	151.50	152.55	1.05	1380.000	140.000	5700.000	1.200	28.000	NIL	NIL	NIL	NIL
		medium grained.	152.55	153.35	0.80	335.000	153.000	3800.000	1.300	12.000	NIL	NIL	NIL	NIL
		.	153.35	153.55	0.20	310.000	189.000	13300.000	2.300	34.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts near linear at 40 to CA.	153.55	154.50	0.95	230.000	70.000	2900.000	0.700	15.000	NIL	NIL	NIL	NIL
		.	154.50	155.62	1.12	270.000	78.000	4250.000	0.800	10.000	NIL	NIL	NIL	NIL
		147.6: 1cm wide mafic dyke, medium greyish-green,	155.62	156.67	1.05	215.000	54.000	3050.000	0.800	13.000	NIL	NIL	NIL	NIL
		medium grained.	156.67	157.50	0.83	325.000	90.000	4850.000	1.000	4.000	NIL	NIL	NIL	NIL
		.	157.50	158.15	0.65	200.000	85.000	5800.000	0.800	26.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts at 30 to CA.	158.15	158.61	0.46	1620.000	33.000	475.000	1.500	23.000	NIL	NIL	NIL	NIL
		.	158.61	159.61	1.00	8510.000	104.000	4900.000	2.700	32.000	NIL	NIL	NIL	NIL
		149.15: 26cm wide quartz vein, white quartz.	159.61	160.20	0.59	960.000	101.000	5000.000	0.800	11.000	NIL	NIL	NIL	NIL
		.	160.20	160.60	0.40	5030.000	68.000	26300.000	4.100	56.000	NIL	NIL	NIL	NIL
		ALTERATION: Tourmaline present, small pieces of wallrock,	160.60	161.32	0.72	3980.000	44.000	2700.000	1.500	25.000	NIL	NIL	NIL	NIL
		and 10% sulphides along contacts.	161.32	161.72	0.40	1960.000	68.000	6900.000	2.500	67.000	NIL	NIL	NIL	NIL
		.	161.72	162.47	0.75	1080.000	167.000	7400.000	1.700	23.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		STRUCTURE: Contacts irregular and at approximately
		80 to CA.
		.
		161.77 to 178.9: Similar to above rock description but with
		less quartz eyes. Quartz eyes are <3% of rock and are <3mm
		in size. Near bottom of subinterval quartz eyes increase
		approximately 5-8%. Possible grading, upwards cycle.
		.
		ALTERATION: Sulphide 10% as Py, Sph. Banded and
		disseminated throughout. Gn present as trace mineral near
		top of subinterval. As depth of interval increases percentage
		of Gn increases along with average size of Gn.
		.
		174.3: 2cm wide quartz-calcite vein.
		.
		ALTERATION: Galena present in vein approximately 5%
		Sph, Py increased around vein.
		.
		STRUCTURE: Irregular contacts, approximately 30 to CA.
		.
		178.9 to 249.5: Medium to darker grey, fine grained. <3%
		quartz eyes as <5mm crystals. Wisps of sulphides as pseudobands
		in core. "Nuggets" of banded fine sulphide crystals forming
		ball-like globs in core.
		.
		ALTERATION: Sulphides make up 10-15% of rock throughout,
		locally over small intervals of 5cm. Sulphides range up to
		approximately 30-35% of rock. Py, Sph, Cpy. Sph>Py>>Cpy.

		ASSAYS									
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
162.47	163.60	1.13	525.000	79.000	4450.000	1.000	28.000	NIL	NIL	NIL	NIL
163.60	164.32	0.72	575.000	82.000	4550.000	2.000	40.000	NIL	NIL	NIL	NIL
164.32	165.30	0.98	405.000	128.000	4700.000	1.100	31.000	NIL	NIL	NIL	NIL
165.30	165.84	0.54	1190.000	105.000	5500.000	1.400	37.000	NIL	NIL	NIL	NIL
165.84	166.57	0.73	680.000	83.000	1670.000	1.300	95.000	NIL	NIL	NIL	NIL
166.57	167.42	0.85	790.000	70.000	3600.000	1.300	62.000	NIL	NIL	NIL	NIL
167.42	168.27	0.85	1070.000	220.000	7700.000	6.200	30.000	NIL	NIL	NIL	NIL
168.27	169.70	1.43	420.000	74.000	5100.000	0.800	22.000	NIL	NIL	NIL	NIL
169.70	170.80	1.10	675.000	157.000	7900.000	1.900	18.000	NIL	NIL	NIL	NIL
170.80	171.72	0.92	215.000	124.000	8400.000	1.800	14.000	NIL	NIL	NIL	NIL
171.72	172.80	1.08	185.000	112.000	6800.000	1.200	13.000	NIL	NIL	NIL	NIL
172.80	173.80	1.00	730.000	75.000	4500.000	1.900	15.000	NIL	NIL	NIL	NIL
173.80	174.59	0.79	335.000	136.000	5900.000	2.500	56.000	NIL	NIL	NIL	NIL
174.59	175.24	0.65	305.000	74.000	4950.000	2.200	29.000	NIL	NIL	NIL	NIL
175.24	175.80	0.56	450.000	90.000	6200.000	1.900	21.000	NIL	NIL	NIL	NIL
175.80	176.98	1.18	360.000	111.000	4650.000	1.000	21.000	NIL	NIL	NIL	NIL
176.98	177.38	0.40	3620.000	164.000	4950.000	2.500	41.000	NIL	NIL	NIL	NIL
177.38	178.26	0.88	325.000	86.000	4300.000	1.200	15.000	NIL	NIL	NIL	NIL
178.26	178.80	0.54	1200.000	285.000	430.000	2.200	23.000	NIL	NIL	NIL	NIL
178.80	179.45	0.65	625.000	96.000	3550.000	1.400	12.000	NIL	NIL	NIL	NIL
179.45	180.45	1.00	235.000	83.000	4850.000	0.800	16.000	NIL	NIL	NIL	NIL
180.45	181.15	0.70	400.000	53.000	3450.000	0.500	14.000	NIL	NIL	NIL	NIL
181.15	181.90	0.75	560.000	62.000	2700.000	2.000	136.000	NIL	NIL	NIL	NIL
181.90	182.70	0.80	135.000	22.000	1370.000	0.500	18.000	NIL	NIL	NIL	NIL
182.70	183.50	0.80	145.000	41.000	960.000	0.700	51.000	NIL	NIL	NIL	NIL
183.50	184.20	0.70	450.000	112.000	5000.000	1.700	71.000	NIL	NIL	NIL	NIL
184.20	186.00	1.80	180.000	76.000	2450.000	0.500	28.000	NIL	NIL	NIL	NIL
186.00	186.76	0.76	1360.000	72.000	1390.000	0.800	34.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9645

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		Gn throughout as 5-8% of core, locally can be up to 10-12%	186.76	187.25	0.49	3150.000	84.000	2700.000	1.200	20.000	NIL	NIL	NIL	NIL
		of rock. Large <1cm crystals present, rare but in same location	187.25	187.94	0.69	2740.000	104.000	1910.000	1.200	13.000	NIL	NIL	NIL	NIL
		as most Gn crystals. <3-4mm in size. Strong sericitic alteration	187.94	188.29	0.35	165.000	44.000	3500.000	0.500	39.000	NIL	NIL	NIL	NIL
		present throughout.	188.29	189.80	1.51	145.000	40.000	1900.000	0.500	30.000	NIL	NIL	NIL	NIL
		178.9 to 181.9: 10-15% Gn as <5mm crystals.	189.80	190.05	0.25	2280.000	121.000	5500.000	4.500	43.000	NIL	NIL	NIL	NIL
		Below 181.9: <10% Gn as usually <5mm crystals. <1cm crystals	190.05	191.10	1.05	745.000	88.000	2900.000	1.000	22.000	NIL	NIL	NIL	NIL
		at 192.1m, <1cm crystals at 198.0m.	191.10	192.19	1.09	360.000	45.000	4650.000	0.800	26.000	NIL	NIL	NIL	NIL
		.	192.19	192.83	0.64	450.000	107.000	5600.000	1.700	19.000	NIL	NIL	NIL	NIL
		184.6: Core is gouged into a fine clay-like consistency.	192.83	193.72	0.89	740.000	76.000	1770.000	1.600	24.000	NIL	NIL	NIL	NIL
		Definitely a fault gouge, gouge is 30cm wide.	193.72	194.10	0.38	1250.000	39.000	340.000	1.500	25.000	NIL	NIL	NIL	NIL
		.	194.10	194.75	0.65	2130.000	67.000	2300.000	2.500	20.000	NIL	NIL	NIL	NIL
		ALTERATION: Deformation zone from 184-185.2m, rock	194.75	195.79	1.04	2560.000	215.000	4450.000	3.300	44.000	NIL	NIL	NIL	NIL
		is fractured throughout deformation zone.	195.79	196.58	0.79	450.000	13.000	173.000	1.400	55.000	NIL	NIL	NIL	NIL
		.	196.58	197.35	0.77	3160.000	21.000	265.000	3.200	35.000	NIL	NIL	NIL	NIL
		STRUCTURE: Fault plane at 40 to CA.	197.35	198.07	0.72	1340.000	28.000	830.000	2.400	45.000	NIL	NIL	NIL	NIL
		.	198.07	198.85	0.78	500.000	44.000	2400.000	4.500	345.000	NIL	NIL	NIL	NIL
		194.5: Small 2cm wide quartz-calcite vein; reacts with acid.	198.85	199.86	1.01	2280.000	44.000	940.000	3.200	210.000	NIL	NIL	NIL	NIL
		.	199.86	200.56	0.70	945.000	54.000	260.000	1.300	9.000	NIL	NIL	NIL	NIL
		ALTERATION: Py, Sph as 5% of vein; Sph>Py. Galena present	200.56	201.00	0.44	1320.000	830.000	3950.000	5.700	11.000	NIL	NIL	NIL	NIL
		in vein as 1-2% of vein. Increased sulphide in wallrock around	201.00	201.84	0.84	455.000	61.000	345.000	1.000	27.000	NIL	NIL	NIL	NIL
		vein; 15cm either way.	201.84	202.89	1.05	605.000	56.000	166.000	1.000	9.000	NIL	NIL	NIL	NIL
		.	202.89	203.30	0.41	285.000	63.000	98.000	0.300	14.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts irregular and at 75-80 to CA.	203.30	203.88	0.58	930.000	129.000	111.000	1.400	15.000	NIL	NIL	NIL	NIL
		.	203.88	205.38	1.50	260.000	61.000	570.000	0.500	15.000	NIL	NIL	NIL	NIL
		200: Core is broken, possible fault zone.	205.38	205.98	0.60	630.000	230.000	3000.000	3.000	19.000	NIL	NIL	NIL	NIL
		.	205.98	207.01	1.03	2390.000	200.000	2200.000	1.900	12.000	NIL	NIL	NIL	NIL
		207.2: 2cm wide quartz-calcite vein.	207.01	208.32	1.31	3010.000	75.000	610.000	2.000	13.000	NIL	NIL	NIL	NIL
		.	208.32	209.00	0.68	425.000	42.000	390.000	0.300	11.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		ALTERATION: Galena present as trace mineralization.	209.00	209.64	0.64	560.000	131.000	570.000	0.600	27.000	NIL	NIL	NIL	NIL
		.	209.64	211.14	1.50	350.000	85.000	1020.000	0.400	11.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts at 25 to CA.	211.14	212.64	1.50	340.000	39.000	176.000	0.200	11.000	NIL	NIL	NIL	NIL
		.	212.64	214.14	1.50	605.000	59.000	138.000	0.300	12.000	NIL	NIL	NIL	NIL
		216 to 221.5, 228 to 229, 234.6: Increase in Gn to approximately	214.14	214.76	0.62	685.000	102.000	430.000	1.000	17.000	NIL	NIL	NIL	NIL
		10% of rock.	214.76	215.40	0.64	1560.000	158.000	610.000	2.600	16.000	NIL	NIL	NIL	NIL
		.	215.40	216.10	0.70	585.000	60.000	270.000	0.500	15.000	NIL	NIL	NIL	NIL
		243: 25cm wide smoky quartz vein.	216.10	217.04	0.94	1360.000	97.000	355.000	1.300	13.000	NIL	NIL	NIL	NIL
		.	217.04	218.50	1.46	1470.000	46.000	620.000	1.600	42.000	NIL	NIL	NIL	NIL
		ALTERATION: Galena present as 2% of vein.	218.50	219.42	0.92	910.000	55.000	265.000	1.000	23.000	NIL	NIL	NIL	NIL
		.	219.42	220.26	0.84	1290.000	65.000	280.000	1.000	20.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts at 80 to CA; upper contact irregular.	220.26	221.40	1.14	730.000	68.000	390.000	0.800	21.000	NIL	NIL	NIL	NIL
		.	221.40	222.45	1.05	420.000	31.000	290.000	0.700	17.000	NIL	NIL	NIL	NIL
		249.5 to 293.2: Pseudofragmental QID. Has a textural appearance	222.45	223.41	0.96	690.000	59.000	2250.000	2.300	22.000	NIL	NIL	NIL	NIL
		of a breccia. Light to medium grey with darker fragments.	223.41	224.26	0.85	1680.000	295.000	3450.000	9.200	55.000	NIL	NIL	NIL	NIL
		Fault gouges present in sub-interval and are assumed	224.26	224.60	0.34	805.000	137.000	9300.000	3.600	26.000	NIL	NIL	NIL	NIL
		contributors to the textural appearance. Lighter or calcite	224.60	225.50	0.90	415.000	37.000	1630.000	1.400	24.000	NIL	NIL	NIL	NIL
		rich areas react vigorously to acid.	225.50	226.31	0.81	455.000	42.000	300.000	2.000	29.000	NIL	NIL	NIL	NIL
		.	226.31	226.91	0.60	310.000	14.000	260.000	1.000	35.000	NIL	NIL	NIL	NIL
		ALTERATION: Gn present throughout as approximately	226.91	227.60	0.69	140.000	10.000	176.000	4.000	220.000	NIL	NIL	NIL	NIL
		1-2% of core. Locally <1cm crystals found in percentages of	227.60	229.05	1.45	325.000	23.000	140.000	1.500	38.000	NIL	NIL	NIL	NIL
		core, up to 10%. Sulphides are about 5-8% of core, generally	229.05	230.50	1.45	515.000	32.000	108.000	1.300	20.000	NIL	NIL	NIL	NIL
		Sph>Py, but locally Py can be >Sph. Locally up to 25-30%	230.50	231.35	0.85	1060.000	98.000	6600.000	3.000	60.000	NIL	NIL	NIL	NIL
		of core, can be sulphide over small intervals, trace galena	231.35	231.90	0.55	455.000	57.000	192.000	0.900	32.000	NIL	NIL	NIL	NIL
		and trace tourmaline present occasionally but not as	231.90	232.96	1.06	1490.000	230.000	1650.000	4.000	24.000	NIL	NIL	NIL	NIL
		consistently.	232.96	233.70	0.74	810.000	43.000	265.000	0.700	16.000	NIL	NIL	NIL	NIL
		.	233.70	234.68	0.98	1090.000	19.000	205.000	0.600	17.000	NIL	NIL	NIL	NIL
		STRUCTURE: Upper contact is gradational and is assumed	234.68	235.59	0.91	205.000	39.000	181.000	0.300	14.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9645

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS										
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
		to be at 249.5m. Foliation at 40 to CA.	235.59	236.80	1.21	285.000	31.000	265.000	0.500	20.000	NIL	NIL	NIL	NIL
		.	236.80	237.89	1.09	200.000	33.000	600.000	0.200	16.000	NIL	NIL	NIL	NIL
		256.4: 10cm wide quartz-calcite vein, small amounts of wallrock	237.89	238.85	0.96	175.000	20.000	114.000	NIL	13.000	NIL	NIL	NIL	NIL
		in vein.	238.85	239.80	0.95	275.000	38.000	85.000	0.300	11.000	NIL	NIL	NIL	NIL
		.	239.80	240.82	1.02	185.000	49.000	93.000	0.200	11.000	NIL	NIL	NIL	NIL
		ALTERATION: Galena present as 1-2% of vein.	240.82	241.88	1.06	345.000	160.000	138.000	0.800	14.000	NIL	NIL	NIL	NIL
		.	241.88	242.90	1.02	365.000	71.000	141.000	0.500	16.000	NIL	NIL	NIL	NIL
		STRUCTURE: Contacts at 80 to CA.	242.90	243.25	0.35	165.000	16.000	167.000	0.200	15.000	NIL	NIL	NIL	NIL
		.	243.35	243.70	0.35	605.000	33.000	230.000	0.300	9.000	NIL	NIL	NIL	NIL
		257.4: 2cm wide fault gouge; rock ground to clay.	243.70	244.66	0.96	270.000	51.000	116.000	0.200	11.000	NIL	NIL	NIL	NIL
		.	244.66	245.90	1.24	12170.000	137.000	2850.000	3.300	54.000	NIL	NIL	NIL	NIL
		ALTERATION: No increase in sulphides noted around gouge.	245.90	246.83	0.93	8440.000	270.000	7300.000	5.400	77.000	NIL	NIL	NIL	NIL
		.	246.83	247.90	1.07	3220.000	136.000	3350.000	1.400	74.000	NIL	NIL	NIL	NIL
		STRUCTURE: Fault line at 40 to CA.	247.90	249.00	1.10	3360.000	235.000	1250.000	4.300	300.000	NIL	NIL	NIL	NIL
		.	249.00	250.50	1.50	1160.000	29.000	187.000	1.200	190.000	NIL	NIL	NIL	NIL
		257.9: 2cm wide fault gouge; rock ground to clay.	250.50	252.00	1.50	1640.000	25.000	117.000	0.500	42.000	NIL	NIL	NIL	NIL
		.	252.00	253.28	1.28	860.000	21.000	320.000	1.300	180.000	NIL	NIL	NIL	NIL
		ALTERATION: No increase or decrease in sulphides noted	253.28	254.54	1.26	585.000	20.000	910.000	0.400	45.000	NIL	NIL	NIL	NIL
		around gouge.	254.54	255.10	0.56	390.000	18.000	1880.000	0.200	15.000	NIL	NIL	NIL	NIL
		.	255.10	256.00	0.90	645.000	31.000	1340.000	0.400	13.000	NIL	NIL	NIL	NIL
		STRUCTURE: Fault line at 40 to CA.	256.00	256.80	0.80	820.000	450.000	2000.000	3.600	20.000	NIL	NIL	NIL	NIL
		.	256.80	258.10	1.30	560.000	48.000	3500.000	0.500	23.000	NIL	NIL	NIL	NIL
		264.2 to 270.3: Part of pseudofragment subunit.	258.10	258.87	0.77	540.000	50.000	3850.000	0.900	17.000	NIL	NIL	NIL	NIL
		.	258.87	260.17	1.30	760.000	40.000	2900.000	0.600	12.000	NIL	NIL	NIL	NIL
		ALTERATION: Sph in subunit increased. Approximately	260.17	261.20	1.03	590.000	34.000	3200.000	0.500	13.000	NIL	NIL	NIL	NIL
		8-10% throughout unit. Locally up to 25% over small intervals.	261.20	262.40	1.20	265.000	35.000	3200.000	0.300	12.000	NIL	NIL	NIL	NIL
		Py as approximately 3-5% of subinterval, locally up to 15%,	262.40	263.33	0.93	420.000	59.000	5300.000	0.300	9.000	NIL	NIL	NIL	NIL
		Sph>Py.	263.33	264.20	0.87	370.000	28.000	1890.000	0.400	13.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		.
		STRUCTURE: Foliation 30-35 to CA.
		.
		289: Bedding evident.
		.
		STRUCTURE: Foliation at 55 to CA.
		.
		287.5: Bedding evident.
		.
		STRUCTURE: Foliation at 40 to CA.
		.
		299.6: Fault gouge, with core ground to clay-like substance over 2cm. Above core is intact, below it is broken in "sheet"-like structure over 40cm.
		.
		ALTERATION: No notable change in sulphide around gouge.
		.
		STRUCTURE: Fault at 50 to CA, broken along foliation at 30-35 to CA.
		.
		293.2 to 303.8: Un-fragmental QID. Medium grey, fine grained. Similar to above subinterval of unit. <3% quartz eyes as <3-5mm crystals. Gn present as trace to 1% of core. Some of Gn is in fracture fillings.
		.
		ALTERATION: 3-5% fine disseminated Py, trace Sph. Locally Py may be up to 10%, over small <5cm intervals.
		.

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
264.20	265.35	1.15	790.000	14.000	990.000	0.200	15.000	NIL	NIL	NIL	NIL
265.35	266.21	0.86	1380.000	15.000	700.000	0.800	44.000	NIL	NIL	NIL	NIL
266.21	267.30	1.09	1400.000	49.000	3700.000	5.000	306.000	NIL	NIL	NIL	NIL
267.30	267.70	0.40	1030.000	21.000	800.000	1.000	60.000	NIL	NIL	NIL	NIL
267.70	268.48	0.78	6340.000	1390.000	22800.000	13.200	390.000	NIL	NIL	NIL	NIL
268.48	269.34	0.86	2260.000	168.000	1740.000	2.800	85.000	NIL	NIL	NIL	NIL
269.34	270.30	0.96	710.000	20.000	580.000	0.300	12.000	NIL	NIL	NIL	NIL
270.30	271.20	0.90	180.000	24.000	1620.000	0.300	8.000	NIL	NIL	NIL	NIL
271.20	272.32	1.12	120.000	24.000	485.000	0.300	10.000	NIL	9.000	NIL	NIL
272.32	273.42	1.10	135.000	19.000	460.000	0.200	10.000	NIL	NIL	NIL	NIL
278.50	279.70	1.20	460.000	270.000	1790.000	2.100	44.000	NIL	NIL	NIL	NIL
288.18	289.33	1.15	270.000	117.000	155.000	1.700	16.000	NIL	NIL	NIL	NIL
294.70	295.44	0.74	110.000	22.000	240.000	0.700	9.000	NIL	NIL	NIL	NIL
295.44	296.53	1.09	160.000	27.000	113.000	0.600	10.000	NIL	9.000	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9645

FROM	TO	LITHOLOGICAL DESCRIPTION
		STRUCTURE: Bedding at 40 to CA. Upper contact is gradational.
		.
		303.8: EOH.

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
50.60	-49.00	270.00
69.19	-49.00	280.00
130.00	-47.00	285.50
191.00	-45.00	292.00
252.00	-42.00	298.00
300.00	-40.00	299.50
304.00	-40.00	299.50
304.10	-40.00	270.00

			ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb

APPENDIX IV

EXPLORATION DATA

ASSAY CERTIFICATES

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :3
Certificate Date: 11-AUG-96
Invoice No. : 19626144
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9626144

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
WR-96-45-138	205	226	10	-----	32	26	144	0.5	80
71001	205	226	675	-----	157	18	7900	1.9	-----
71002	205	226	215	-----	124	14	8400	1.8	-----
71003	205	226	185	-----	112	13	6800	1.2	-----
71004	205	226	730	-----	75	15	4500	1.9	-----
71005	205	226	335	-----	136	56	5900	2.5	-----
71006	205	226	305	-----	74	29	4950	2.2	-----
71007	205	226	450	-----	90	21	6200	1.9	-----
71008	205	294	360	-----	111	21	4650	1.0	-----
71009	205	226	3620	-----	164	41	4950	2.5	-----
71010	205	226	325	-----	86	15	4300	1.2	-----
71011	205	226	1200	-----	285	23	430	2.2	-----
71012	205	226	625	-----	96	12	3550	1.4	-----
71013	205	226	235	-----	83	16	4850	0.8	-----
71014	205	226	400	-----	53	14	3450	0.5	-----
71015	205	226	560	-----	62	136	2700	2.0	-----
71016	205	226	135	-----	22	18	1370	0.5	-----
71017	205	226	145	-----	41	51	960	0.7	-----
71018	205	226	450	-----	112	71	5000	1.7	-----
71019	205	294	180	-----	76	28	2450	0.5	-----
71020	205	226	1360	-----	72	34	1390	0.8	-----
71021	205	226	3150	-----	84	20	2700	1.2	-----
71022	205	226	2740	-----	104	13	1910	1.2	-----
71023	205	226	165	-----	44	39	3500	0.5	-----
71024	205	294	145	-----	40	30	1900	0.5	-----
71025	205	226	2280	-----	121	43	5500	4.5	-----
71026	205	226	745	-----	88	22	2900	1.0	-----
71027	205	226	360	-----	45	26	4650	0.8	-----
71028	205	226	450	-----	107	19	5600	1.7	-----
71029	205	226	740	-----	76	24	1770	1.6	-----
71030	205	226	1250	-----	39	25	340	1.5	-----
71031	205	226	2130	-----	67	20	2300	2.5	-----
71032	205	226	2560	-----	215	44	4450	3.3	-----
71033	205	226	450	-----	13	55	173	1.4	-----
71034	205	226	3160	-----	21	35	265	3.2	-----
71035	205	226	1340	-----	28	45	830	2.4	-----
71036	205	226	500	-----	44	345	2400	4.5	-----
71037	205	226	2280	-----	44	210	940	3.2	-----
71038	205	226	945	-----	54	9	260	1.3	-----
71039	205	226	1320	-----	830	11	3950	5.7	-----

9645

CERTIFICATION:

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 11-AUG-96
Invoice No. : I9626144
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9626144

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
71040	205	226	455	-----	61	27	345	1.0	-----
71041	205	226	605	-----	56	9	166	1.0	-----
71042	205	226	285	-----	63	14	98	0.3	-----
71043	205	226	930	-----	129	15	111	1.4	-----
71044	205	294	260	-----	61	15	570	0.5	-----
71045	205	226	630	-----	230	19	3000	3.0	-----
71046	205	226	2390	-----	200	12	2200	1.9	-----
71047	205	294	3010	-----	75	13	610	2.0	-----
71048	205	226	425	-----	42	11	390	0.3	-----
71049	205	226	560	-----	131	27	570	0.6	-----
71050	205	294	350	-----	85	11	1020	0.4	-----
71051	205	294	340	-----	39	11	176	0.2	-----
71052	205	294	605	-----	59	12	138	0.3	-----
71053	205	226	685	-----	102	17	430	1.0	-----
71054	205	226	1560	-----	158	16	610	2.6	-----
71055	205	226	585	-----	60	15	270	0.5	-----
71056	205	226	1360	-----	97	13	355	1.3	-----
71057	205	226	1470	-----	46	42	620	1.6	-----
71058	205	226	910	-----	55	23	265	1.0	-----
71059	205	226	1290	-----	65	20	280	1.0	-----
71060	205	226	730	-----	68	21	390	0.8	-----
71061	205	226	420	-----	31	17	290	0.7	-----
71062	205	226	690	-----	59	22	2250	2.3	-----
71063	205	226	1680	-----	295	55	3450	9.2	-----
71064	205	226	805	-----	137	26	9300	3.6	-----
71065	205	226	415	-----	37	24	1630	1.4	-----
71066	205	226	455	-----	42	29	300	2.0	-----
71067	205	226	310	-----	14	35	260	1.0	-----
71068	205	226	140	-----	10	220	176	4.0	-----
71069	205	294	325	-----	23	38	140	1.5	-----
71070	205	294	515	-----	32	20	108	1.3	-----
71071	205	226	1060	-----	98	60	6600	3.0	-----
71072	205	226	455	-----	57	32	192	0.9	-----
71073	205	226	1490	-----	230	24	1650	4.0	-----
71074	205	226	810	-----	43	16	265	0.7	-----
71075	205	226	1090	-----	19	17	205	0.6	-----
71076	205	226	205	-----	39	14	181	0.3	-----
71077	205	294	285	-----	31	20	265	0.5	-----
71078	205	226	200	-----	33	16	600	0.2	-----
71079	205	226	175	-----	20	13	114	< 0.2	-----

2665

CERTIFICATION: Hart Bichler

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Comments: ATTN: PAUL JONES FAX: JIM WILSON

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Certificate Date: 11-AUG-96
Invoice No. :I9626144
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9626144

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
71080	205 226	275	-----	38	11	85	0.3	-----
71081	205 226	185	-----	49	11	93	0.2	-----
71082	205 226	345	-----	160	14	138	0.8	-----
71083	205 226	365	-----	71	16	141	0.5	-----
71084	205 226	165	-----	16	15	167	0.2	-----
71085	205 226	605	-----	33	9	230	0.3	-----
71086	205 226	270	-----	51	11	116	0.2	-----
71087	205 226	>10000	12.17	137	54	2850	3.3	-----
71088	205 226	8440	-----	270	77	7300	5.4	-----
71089	205 226	3220	-----	136	74	3350	1.4	-----
71090	205 226	3360	-----	235	300	1250	4.3	-----
71091	205 294	1160	-----	29	190	187	1.2	-----
71092	205 294	1640	-----	25	42	117	0.5	-----
71093	205 226	860	-----	21	180	320	1.3	-----
71094	205 294	585	-----	20	45	910	0.4	-----
71095	205 226	390	-----	18	15	1880	0.2	-----
71096	205 226	645	-----	31	13	1340	0.4	-----
71097	205 226	820	-----	450	20	2000	3.6	-----
71098	205 294	560	-----	48	23	3500	0.5	-----
71099	205 226	540	-----	50	17	3850	0.9	-----
71100	205 294	760	-----	40	12	2900	0.6	-----
71101	205 226	590	-----	34	13	3200	0.5	-----
71102	205 226	265	-----	35	12	3200	0.3	-----
71103	205 226	420	-----	59	9	5300	0.3	-----
71104	205 226	370	-----	28	13	1890	0.4	-----
71105	205 226	790	-----	14	15	990	0.2	-----
71106	205 226	1380	-----	15	44	700	0.8	-----
71107	205 226	1400	-----	49	306	3700	5.0	-----
71108	205 226	1030	-----	21	60	800	1.0	-----
71109	205 226	6340	-----	1390	390	>10000	13.2	-----
71110	205 226	2260	-----	168	85	1740	2.8	-----
71111	205 226	710	-----	20	12	580	0.3	-----
71112	205 226	180	-----	24	8	1620	0.3	-----
71113	205 226	120	-----	24	10	485	0.3	9
71114	205 226	135	-----	19	10	460	0.2	-----
71115	205 226	460	-----	270	44	1790	2.1	-----
71116	205 226	270	-----	117	16	155	1.7	-----
71117	205 226	110	-----	22	9	240	0.7	-----
71118	205 226	160	-----	27	10	113	0.6	9

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 03-JUL-96
Invoice No. : I9621926
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621926

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm
74424	208 226	< 5	-----	-----	300	-----
74425	208 226	< 5	-----	-----	365	-----
74426	208 226	< 5	-----	-----	440	-----
74427	208 226	< 5	-----	-----	585	-----
74428	208 226	< 5	-----	-----	540	-----
74429	208 226	10	-----	-----	850	-----
74430	208 226	10	-----	-----	960	-----
74449	208 226	< 5	-----	-----	410	-----
74450	208 226	< 5	-----	-----	460	-----
74451	208 226	15	-----	-----	760	-----
74456	208 226	40	184	0.6	56	-----
74457	208 226	5	-----	-----	270	-----
74458	208 226	5	-----	-----	340	-----
74459	208 226	< 5	-----	-----	480	-----
74460	208 226	< 5	-----	-----	535	-----
74461	208 226	35	-----	-----	1100	-----
74462	208 226	10	-----	-----	600	-----
74463	208 226	15	149	< 0.2	640	63
74464	208 226	25	250	0.3	890	67
74465	208 226	25	197	< 0.2	750	60
74466	208 226	30	29	0.3	770	58
74467	208 294	50	455	0.6	1100	67
74468	208 226	155	315	0.3	830	56
74469	208 226	125	1350	3.1	2000	100
74470	208 294	30	270	0.5	600	51
74471	208 226	10	142	< 0.2	450	39
74472	208 226	30	380	0.3	820	67
74473	208 226	25	375	0.4	740	55
74474	208 226	30	170	0.8	46	17
74480	208 226	< 5	-----	-----	390	-----
74494	208 226	< 5	-----	-----	71	-----
74509	208 226	< 5	-----	-----	260	-----

CERTIFICATION: Ian Bichler

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Project :
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Page Number :1
Total Pages :1
Certificate Date: 12-JUN-96
Invoice No. :I9620399
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9620399

SAMPLE	PREP CODE		Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm			
74315	255	295	412	540	1770	3350	3.5	4950	200			
74316	255	295	244	380	1410	2500	2.6	3600	170			
74323	255	295	92	130	512	670	1.1	1800	186			
74324	255	295	184	140	568	1400	1.8	1900	134			
74325	255	295	168	310	1120	2700	3.9	3800	130			
74326	255	295	192	150	440	1400	1.8	1800	107			
74327	255	295	136	380	2100	7300	9.8	6000	145			
74328	255	295	220	300	1800	3200	5.0	5600	162			
74329	255	295	636	310	1300	2400	3.0	4500	215			
74330	255	272	12	100	244	370	0.2	1300	86			
74331	255	272	12	170	368	650	0.4	1450	110			
74332	255	295	20	220	800	1500	1.4	2750	155			
74333	255	295	16	230	676	1100	0.9	1800	246			
74334	255	295	24	600	1120	3250	2.4	2800	180			
74335	255	295	4	< 10	16	73	< 0.2	196	29			

CERTIFICATION: Stuart Bichler

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Project :
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Total Pages :1
Certificate Date: 13-JUN-96
Invoice No. :19620398
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9620398

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm					
74301	255	272	25	320	< 0.2	1200	93					
74302	255	272	10	280	< 0.2	1050	50					
74303	255	272	15	260	< 0.2	1080	84					
74304	255	295	50	920	< 0.2	1800	108					
74305	255	295	30	770	< 0.2	1700	102					
74306	255	295	20	355	< 0.2	1250	85					
74307	255	272	25	570	< 0.2	1450	100					
74308	255	272	30	435	< 0.2	1300	93					
74309	255	295	95	590	0.2	1160	92					
74310	255	295	115	810	0.5	1650	105					
74311	255	295	200	1200	0.8	2200	125					
74312	255	295	155	1250	0.9	2400	115					
74313	255	295	210	2000	1.7	3250	160					
74314	255	295	290	3050	2.6	3400	166					
74317	255	295	70	1000	0.8	1150	80					
74318	255	272	30	250	< 0.2	1000	76					
74319	255	295	45	420	0.2	1150	82					
74320	255	295	245	1650	2.0	3400	135					
74321	255	295	120	1400	1.5	1650	190					
74322	255	295	110	1100	1.3	1600	95					

96 34

CERTIFICATION: Ian Buchler

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908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 04-JUL-96
Invoice No. : I9621928
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621928

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
74420	205	226	115	10	< 1	38	0.4	-----
74421	205	226	< 5	8	< 1	32	< 0.2	-----
74422	205	226	15	10	< 1	76	0.2	-----
74423	205	226	30	84	< 1	106	0.4	-----

CERTIFICATION: Adriana Alexandru

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 04-JUL-96
Invoice No. : I9621928
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9621928

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %				
74380	205	226	125	103	8	260	1.6	-----				
74381	205	226	95	120	20	450	1.0	-----				
74382	205	226	45	122	5	310	1.2	-----				
74383	205	226	125	106	3	880	1.4	-----				
74384	205	226	275	91	< 1	1000	2.6	-----				
74385	205	226	65	156	< 1	320	0.6	-----				
74386	205	294	55	82	< 1	320	0.4	-----				
74387	205	226	200	32	28	300	0.6	-----				
74388	205	226	355	109	190	600	2.2	-----				
74389	205	226	255	28	148	260	1.0	-----				
74390	205	226	830	51	470	3800	8.0	-----				
74391	205	294	95	40	80	400	1.4	-----				
74392	205	226	95	31	210	890	1.2	-----				
74393	205	226	55	21	30	89	0.6	-----				
74394	205	226	55	16	68	90	0.4	-----				
74395	205	226	70	24	28	93	< 0.2	-----				
74396	205	226	260	40	180	1250	1.4	-----				
74397	205	226	375	27	62	89	0.4	-----				
74398	205	226	150	25	48	380	0.8	-----				
74399	205	226	400	27	58	500	1.0	-----				
74400	205	226	1240	33	135	2400	2.2	-----				
74401	205	226	105	162	< 1	153	0.8	-----				
74402	205	226	25	87	9	121	0.8	-----				
74403	205	294	60	85	< 1	190	0.6	-----				
74404	205	294	120	92	< 1	147	0.8	-----				
74405	205	226	35	48	4	3200	0.2	-----				
74406	205	226	15	55	6	860	< 0.2	-----				
74407	205	226	< 5	18	< 1	101	< 0.2	-----				
74408	205	226	15	65	< 1	2500	< 0.2	-----				
74409	205	226	10	38	2	430	< 0.2	-----				
74410	205	226	140	26	< 1	1100	0.4	-----				
74411	205	294	2080	41	4	400	0.4	-----				
74412	205	226	195	19	10	270	< 0.2	-----				
74413	205	226	75	26	< 1	1750	< 0.2	-----				
74414	205	226	55	40	3	3600	< 0.2	-----				
74415	205	226	35	10	< 1	146	< 0.2	-----				
74416	205	226	40	42	2	3700	< 0.2	-----				
74417	205	226	25	15	4	340	< 0.2	-----				
74418	205	226	30	17	< 1	920	< 0.2	-----				
74419	205	226	45	24	< 1	105	0.4	-----				

96337

96344

CERTIFICATION: Adriana Alexandre

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 04-JUL-96
Invoice No. :19621928
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9621928

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
74294	205 226	6550	410	600	5900	7.8	-----
74295	205 226	225	50	310	1350	1.6	-----
74296	205 226	180	35	330	700	0.8	-----
74297	205 294	75	25	400	660	0.8	-----
74298	205 226	135	30	230	370	0.4	-----
74299	205 226	170	21	112	220	< 0.2	-----
74300	205 226	85	18	140	250	< 0.2	-----
74336	205 226	70	18	200	570	0.6	-----
74337	205 226	280	17	68	93	< 0.2	-----
74338	205 294	205	20	64	680	< 0.2	-----
74339	205 226	685	61	43	1400	0.8	-----
74340	205 226	125	39	34	1600	0.4	-----
74341	205 226	510	48	23	2000	< 0.2	-----
74342	205 226	140	88	44	2600	0.6	-----
74343	205 226	755	192	33	4500	1.2	-----
74344	205 226	8880	165	29	4100	7.2	-----
74345	205 226	2250	173	59	3500	1.8	-----
74346	205 226	705	1300	5	280	5.8	-----
74347	205 226	125	109	< 1	136	0.6	-----
74348	205 226	60	70	< 1	165	0.4	-----
74349	205 226	15	33	< 1	165	< 0.2	-----
74361	205 226	25	16	< 1	240	< 0.2	-----
74362	205 226	365	470	< 1	>10000	3.0	4.66
74363	205 226	115	31	< 1	340	0.8	-----
74364	205 226	10	11	5	480	0.2	-----
74365	205 226	55	30	3	97	0.4	-----
74366	205 226	30	7	< 1	75	0.2	-----
74367	205 226	< 5	11	< 1	62	< 0.2	-----
74368	205 226	25	15	< 1	82	< 0.2	-----
74369	205 226	< 5	10	< 1	50	< 0.2	-----
74370	205 226	15	10	< 1	91	< 0.2	-----
74371	205 226	15	10	5	106	< 0.2	-----
74372	205 226	35	20	2	230	1.0	-----
74373	205 226	15	8	8	320	< 0.2	-----
74374	205 226	165	89	22	2500	0.6	-----
74375	205 226	20	22	< 1	155	< 0.2	-----
74376	205 226	15	61	< 1	151	0.4	-----
74377	205 294	55	90	< 1	780	1.2	-----
74378	205 294	50	83	11	280	1.4	-----
74379	205 226	120	91	2	250	1.8	-----

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9635
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CERTIFICATION: Adriana Alexandru

*

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 13-JUL-96
Invoice No. :I9623071
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9623071

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
74641	205	226	230	18	30	70	< 0.2					
74642	205	226	590	19	40	75	0.3					
74643	205	226	290	35	225	700	1.3					
74644	205	226	80	42	170	4200	1.0					
74645	205	226	45	24	113	540	1.0					
74646	205	226	65	33	90	720	0.7					
74647	205	226	35	11	70	95	1.0					
74648	205	226	60	13	57	80	0.7					
74649	205	226	35	13	200	800	0.8					
74650	205	226	675	18	54	1300	0.8					
74651	205	226	885	62	46	620	1.1					
74652	205	226	50	26	168	412	3.5					
74653	205	226	50	52	485	660	1.2					
74654	205	226	30	32	84	122	0.3					
74655	205	226	50	45	195	400	1.0					
74656	205	226	50	58	168	205	0.7					
74657	205	226	85	34	328	2000	2.0					
74658	205	226	20	20	87	345	0.3					
74659	205	226	190	45	48	480	0.2					
74660	205	226	80	35	125	950	0.8					
74661	205	226	275	178	225	6650	3.4					
74662	205	226	165	74	120	1850	1.1					
74663	205	226	40	34	31	1350	1.8					
74664	205	226	380	120	850	1500	3.2					
74678	205	226	20	12	2	104	< 0.2					
74679	205	226	< 5	19	< 1	110	< 0.2					
74680	205	226	< 5	32	< 1	113	< 0.2					
74681	205	226	65	14	2	160	0.3					
74682	205	226	10	11	< 1	80	< 0.2					
74683	205	226	60	360	6	258	0.8					
74699	205	226	65	22	23	90	1.0					
74700	205	226	90	27	85	245	1.2					
74701	205	226	595	17	300	500	8.8					
74702	205	226	70	19	44	145	0.4					
74703	205	226	85	19	41	248	0.6					
74704	205	226	180	14	12	48	1.6					
74705	205	226	40	10	61	142	0.4					

9641

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :2
Certificate Date: 13-JUL-96
Invoice No. :19623071
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9623071

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74601	205 294	15	16	< 1	160	< 0.2
74602	205 226	20	28	12	375	< 0.2
74603	205 226	190	162	3	470	1.6
74604	205 294	70	92	10	170	0.8
74605	205 294	40	86	19	312	0.6
74606	205 294	80	126	13	235	0.9
74607	205 226	10	15	< 1	60	< 0.2
74608	205 226	415	170	< 1	6450	3.4
74609	205 226	15	70	< 1	660	0.9
74610	205 294	250	98	< 1	1400	2.6
74611	205 294	150	100	< 1	660	1.6
74612	205 226	170	105	< 1	435	1.4
74613	205 226	385	16	29	220	0.5
74614	205 294	195	20	19	120	0.2
74615	205 226	140	20	20	115	0.2
74616	205 226	80	12	12	222	< 0.2
74617	205 226	80	12	10	118	< 0.2
74618	205 226	160	24	13	92	< 0.2
74619	205 226	265	9	13	138	0.2
74620	205 294	80	8	21	156	< 0.2
74621	205 294	255	18	18	70	0.2
74622	205 226	165	880	2900	5200	12.3
74623	205 226	80	12	66	1750	0.4
74624	205 226	45	16	78	440	0.3
74625	205 226	205	25	53	335	0.6
74626	205 226	55	8	28	122	0.2
74627	205 226	45	5	42	138	0.2
74628	205 226	100	15	35	90	0.4
74629	205 226	100	22	36	80	0.2
74630	205 226	75	17	105	145	0.5
74631	205 226	1050	16	400	435	3.0
74632	205 294	35	70	88	225	0.7
74633	205 226	70	18	42	92	0.2
74634	205 226	50	45	100	280	0.5
74635	205 226	45	16	115	438	0.3
74636	205 226	45	30	105	260	0.2
74637	205 226	400	21	150	1000	0.7
74638	205 226	150	62	500	2900	2.5
74639	205 226	235	32	112	370	0.5
74640	205 226	150	20	40	72	< 0.2

96 71

CERTIFICATION: Ian Bridden

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 15-JUL-96
Invoice No. : I9623069
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9623069

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
74561	205	226	25	35	5	158	0.3	-----
74562	205	226	165	22	29	168	0.4	-----
74563	205	226	155	30	40	212	0.6	-----
74564	205	226	670	25	26	92	0.6	-----
74565	205	226	75	16	24	114	0.2	-----
74566	205	294	125	16	29	92	0.2	-----
74567	205	226	155	16	15	116	0.2	-----
74568	205	226	10	60	3	148	0.2	220
74569	205	226	15	72	3	220	0.3	86
74570	205	226	60	68	7	145	0.9	80
74571	205	226	25	205	4	230	0.5	90
74572	205	226	15	330	5	110	0.5	62
74573	205	226	40	180	5	185	0.4	72
74574	205	226	115	54	3	128	0.4	74
74575	205	226	15	95	1	112	< 0.2	68
74576	205	226	15	10	3	72	0.2	32
74577	205	226	20	84	2	132	0.2	8
74578	205	226	95	68	1	300	0.4	100
74579	205	226	400	125	3	395	1.5	43
74580	205	226	45	205	< 1	140	0.5	66
74581	205	226	70	166	12	245	1.5	48
74582	205	226	180	150	4	970	1.5	53
74583	205	226	100	105	2	1280	0.7	48
74584	205	226	35	17	6	146	0.3	-----
74585	205	226	30	88	2	286	0.6	-----
74586	205	226	5	15	2	92	0.2	-----
74587	205	226	55	38	2	238	0.2	-----
74588	205	226	10	30	2	1000	< 0.2	-----
74589	205	226	75	690	9	5150	1.4	-----
74590	205	226	60	76	10	1600	0.8	-----
74591	205	226	25	24	6	900	0.4	-----
74592	205	226	25	11	2	285	0.2	-----
74593	205	226	< 5	10	2	112	< 0.2	-----
74594	205	226	20	53	1	186	0.2	-----
74595	205	226	220	42	4	750	2.3	-----
74596	205	226	40	82	5	880	0.9	-----
74597	205	226	45	80	2	300	0.5	-----
74598	205	226	35	112	5	850	0.6	-----
74599	205	226	25	22	< 1	205	0.2	-----
74600	205	226	35	24	1	1000	0.3	-----

14 96

CERTIFICATION:

Chemex Labs Ltd.

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
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Project :
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CERTIFICATE OF ANALYSIS A9623062

NR 96 42

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm					
74684	205	226	5	-----	-----	106	-----					
74685	205	226	10	-----	-----	104	-----					
74686	205	226	10	-----	-----	132	-----					
74687	205	226	< 5	-----	-----	215	-----					
74688	205	226	45	-----	-----	275	-----					
74689	205	226	< 5	-----	-----	360	-----					
74690	205	226	< 5	-----	-----	380	-----					
74691	205	226	< 5	-----	-----	530	-----					
74692	205	226	15	-----	-----	650	-----					
74693	205	226	10	350	0.6	950	-----					
74694	205	294	< 5	332	0.6	850	-----					
74695	205	226	< 5	100	< 0.2	830	-----					
74696	205	226	10	270	0.2	1150	-----					
74697	205	294	25	295	0.4	1050	-----					
74698	205	226	5	250	0.3	900	-----					
74706	205	226	5	225	0.2	950	80					
74707	205	294	10	220	0.2	850	75					

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
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Page Number 3
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CERTIFICATE OF ANALYSIS A9620929

NR-96-33
NR-96-08

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
74282	205 226	140	-----	12	36	49	0.2				
74283	205 226	35	-----	20	40	136	0.4				
74284	205 226	30	-----	12	23	188	< 0.2				
74285	205 226	20	-----	13	46	132	0.4				
74286	205 226	15	-----	13	34	170	0.2				
74287	205 226	885	-----	14	80	170	0.6				
74288	205 226	1370	-----	12	38	290	0.2				
74289	205 226	>10000	11.50	26	38	240	2.3	204.33, 205.42 (1.09 kg)			
74290	205 226	595	-----	106	200	500	3.8				
74291	205 226	320	-----	40	98	1550	2.2				
74292	205 226	325	-----	21	540	1300	1.8				
74293	205 226	220	-----	47	82	1200	1.2				

CERTIFICATION

Chemex Labs Ltd.

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
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M9B 6K2

Project :
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Page Number 2
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Account :

CERTIFICATE OF ANALYSIS A9620929

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
4242	205 226	260	-----	19	5	422	0.2				
4243	205 294	105	-----	18	9	230	< 0.2				
4244	205 294	275	-----	27	6	122	< 0.2				
4245	205 294	480	-----	34	12	300	0.3				
4246	205 226	240	-----	32	11	265	0.2				
4247	205 226	2720	-----	60	285	>10000	4.0				
4248	205 226	490	-----	33	31	660	0.3				
4249	205 226	240	-----	27	15	1050	0.6				
4250	205 226	415	-----	24	188	750	0.5				
4251	205 226	85	-----	35	28	110	< 0.2				
4252	205 226	65	-----	33	225	179	1.0				
4253	205 294	345	-----	36	530	780	1.4				
4254	205 226	425	-----	48	236	295	0.6				
4255	205 226	630	-----	118	1280	2650	5.6				
4256	205 226	225	-----	45	175	185	0.6				
4257	205 226	695	-----	60	400	1100	1.7				
4258	205 226	790	-----	40	56	160	0.3				
4259	205 294	1000	-----	155	440	580	1.4				
4260	205 226	730	-----	36	77	195	0.6				
4261	205 226	>10000	34.90	92	2100	4250	31.0	234.28 - 235.18 (0.9m)			
4262	205 226	500	-----	39	600	750	2.7				
4263	205 226	290	-----	48	445	700	1.2				
4264	205 226	35	-----	14	105	212	< 0.2				
4265	205 226	140	-----	22	145	216	0.3				
4266	205 226	290	-----	18	285	630	0.4				
4267	205 226	805	-----	14	285	500	0.3				
4268	205 226	655	-----	14	164	195	0.5				
4269	205 226	420	-----	165	2100	2950	2.1				
4270	205 226	1940	-----	161	1300	1950	1.9				
4271	205 294	705	-----	72	550	830	1.7				
4272	205 226	795	-----	82	630	830	1.3				
4273	205 226	260	-----	87	1050	1600	2.3				
4274	205 226	225	-----	83	205	630	0.6				
4275	205 226	210	-----	38	163	470	0.2				
4276	205 226	125	-----	15	60	150	< 0.2				
4277	205 226	100	-----	33	255	390	1.0				
4278	205 226	75	-----	13	92	250	0.4				
4279	205 226	330	-----	47	192	2800	0.3				
4280	205 226	780	-----	39	1450	1400	3.5				
4281	205 226	45	-----	26	31	130	< 0.2				

NR-96-33

CERTIFICATION:

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To: NUINSCO RESOURCES LIMITED

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 1
Total Pages 3
Certificate Date 24-JUN-96
Invoice No. I-9620929
P.O. Number :
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CERTIFICATE OF ANALYSIS A9620929

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74201	205 226	10	-----	39	< 1	1100	< 0.2
74202	205 226	15	-----	165	< 1	100	0.8
74203	205 226	50	-----	700	< 1	660	2.1
74204	205 226	55	-----	76	< 1	1500	1.3
74205	205 226	30	-----	14	< 1	145	0.2
74206	205 226	1160	-----	90	2	2400	5.9
74207	205 226	320	-----	74	84	980	0.7
74208	205 226	190	-----	34	56	275	0.6
74209	205 226	135	-----	36	165	620	1.1
74210	205 226	650	-----	113	1130	5300	6.4
74211	205 226	215	-----	29	260	1000	1.0
74212	205 226	1310	-----	49	318	1200	6.8
74213	205 226	330	-----	45	247	2050	1.8
74214	205 226	555	-----	165	288	1450	2.6
74215	205 226	390	-----	45	1680	2650	7.7
74216	205 226	130	-----	26	220	245	1.5
74217	205 226	50	-----	11	49	66	0.6
74218	205 226	125	-----	64	265	900	4.9
74219	205 226	140	-----	21	212	120	2.3
74220	205 226	40	-----	19	22	38	0.4
74221	205 226	40	-----	10	15	41	0.3
74222	205 226	90	-----	11	21	90	0.4
74223	205 226	65	-----	13	44	660	0.2
74224	205 226	680	-----	15	115	195	0.9
74225	205 226	615	-----	10	10	235	0.3
74227	205 226	225	-----	32	28	378	0.7
74228	205 226	230	-----	23	37	290	0.5
74229	205 294	1440	-----	42	22	455	0.5
74230	205 226	1850	-----	75	31	2600	2.5
74231	205 226	825	-----	77	30	820	1.0
74232	205 226	465	-----	56	470	3900	1.6
74233	205 226	325	-----	47	150	3200	4.0
74234	205 226	640	-----	69	9	970	1.0
74235	205 226	670	-----	25	12	230	0.7
74236	205 226	805	-----	260	13	2100	2.2
74237	205 226	200	-----	45	41	2500	2.0
74238	205 226	65	-----	17	16	85	0.9
74239	205 226	80	-----	16	9	1000	0.6
74240	205 226	255	-----	19	10	78	0.8
74241	205 226	630	-----	18	6	425	0.3

NR-96-33

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 02-JUL-96
Invoice No. : 19621929
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621929

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74499	205	226	5	88	< 1	88	< 0.2
74500	205	226	60	90	< 1	145	0.4
74501	205	226	10	39	< 1	127	< 0.2
74502	205	226	20	89	< 1	560	< 0.2
74503	205	226	15	10	6	162	< 0.2
74504	205	226	65	131	3	3000	< 0.2
74505	205	226	180	250	21	250	1.0
74506	205	226	< 5	6	< 1	118	< 0.2
74507	205	226	< 5	6	< 1	101	< 0.2
74508	205	226	< 5	5	4	96	< 0.2
74510	205	226	10	35	8	300	< 0.2
74511	205	226	20	19	< 1	570	0.6
74512	205	226	340	38	< 1	1950	3.4
74513	205	226	10	16	< 1	108	0.4
74514	205	226	20	50	< 1	330	0.4
74515	205	226	325	115	3	1350	5.0
74516	205	226	250	61	5	1650	3.0
74517	205	226	30	57	< 1	290	0.6
74518	205	226	20	28	< 1	116	0.2
74519	205	226	< 5	89	< 1	45	< 0.2
74520	205	226	< 5	11	< 1	60	< 0.2

CERTIFICATION:

Chemex Labs Ltd.

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

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 02-JUL-96
Invoice No. : I9621929
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621929

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74431	205 226	15	16	5	270	< 0.2
74432	205 226	< 5	5	6	67	< 0.2
74433	205 226	15	5	3	55	0.2
74434	205 226	< 5	10	< 1	290	< 0.2
74435	205 226	70	29	< 1	540	0.8
74436	205 226	265	220	5	5000	1.2
74437	205 226	160	16	18	440	0.4
74438	205 226	110	97	4	3900	0.6
74439	205 226	45	80	< 1	370	< 0.2
74440	205 226	75	23	< 1	195	< 0.2
74441	205 226	15	16	3	78	< 0.2
74442	205 226	30	9	< 1	66	< 0.2
74443	205 226	< 5	20	< 1	91	< 0.2
74444	205 226	< 5	12	< 1	70	< 0.2
74445	205 226	15	8	2	59	0.2
74446	205 226	30	9	< 1	66	< 0.2
74447	205 226	5	10	2	131	0.4
74448	205 226	15	164	< 1	101	0.4
74475	205 226	125	120	7	530	1.0
74476	205 226	20	20	19	133	0.4
74477	205 226	10	33	6	128	< 0.2
74478	205 226	140	25	6	390	1.0
74479	205 226	35	27	8	240	< 0.2
74481	205 294	245	14	43	290	0.8
74482	205 294	125	10	51	1500	0.4
74483	205 294	70	9	40	1400	< 0.2
74484	205 226	40	10	57	290	< 0.2
74485	205 226	165	11	62	380	0.2
74486	205 226	150	48	93	1150	0.4
74487	205 226	50	16	40	119	< 0.2
74488	205 226	335	200	68	280	0.6
74489	205 226	95	36	13	93	0.4
74490	205 226	260	25	13	193	< 0.2
74491	205 226	955	45	20	260	0.4
74492	205 294	190	30	40	280	< 0.2
74493	205 294	5	42	12	127	0.6
74495	205 226	< 5	61	3	139	< 0.2
74496	205 226	5	102	4	95	0.4
74497	205 226	< 5	74	< 1	87	< 0.2
74498	205 226	15	112	< 1	115	0.4

9634 — 9635 — 9636 — 9637 — 9638

CERTIFICATION:

Chemex Labs Ltd.

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

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :1
Certificate Date: 08-JUL-96
Invoice No. : I9621930
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621930

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
74485	299	--	14.77	0.85	0.01	2.94	4.16	1.16	0.16	1.00	0.08	70.42	0.35	3.15	99.05	695	104	106	2	105	6
74487	299	--	16.35	1.88	0.01	3.56	3.41	1.71	0.20	1.48	0.11	66.64	0.43	3.17	98.95	820	90	188	2	105	10
74488	299	--	15.68	3.19	0.01	6.38	2.14	3.09	0.44	1.41	0.11	62.05	0.42	4.52	99.44	650	60	240	4	99	12
74499	299	--	14.41	8.59	0.03	15.59	0.59	4.22	0.22	2.05	0.14	50.00	1.59	1.83	99.26	180	14	158	2	93	24

CERTIFICATION: Stewart Buchler

*

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 09-JUL-96
Invoice No. : I9621927
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621927

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
74424	299	--	11.38	8.39	0.22	11.34	0.27	16.11	0.20	1.69	0.11	44.68	0.42	4.72	99.53	175	10	270	2	48	10
74425	299	--	7.82	6.90	0.35	11.72	0.55	21.30	0.18	0.51	0.10	41.96	0.35	7.36	99.10	215	20	242	2	42	8
74426	299	--	7.56	5.12	0.41	11.92	0.47	23.36	0.16	0.29	0.10	41.45	0.35	8.23	99.42	180	24	242	2	42	8
74427	299	--	6.97	4.86	0.45	12.21	0.13	24.45	0.17	0.37	0.10	40.67	0.33	8.24	98.95	60	10	238	2	42	6
74428	299	--	6.78	5.55	0.45	11.94	0.18	24.24	0.19	0.49	0.09	39.31	0.32	9.43	98.97	70	8	240	2	42	8
74429	299	--	6.80	4.78	0.48	12.33	0.20	25.35	0.18	0.67	0.10	40.91	0.31	6.97	99.08	75	8	138	2	39	8
74430	299	--	6.71	4.45	0.50	12.40	0.20	26.23	0.16	0.63	0.10	41.08	0.31	7.03	99.80	70	8	106	4	42	8
74449	299	--	8.33	8.80	0.31	11.32	0.47	19.87	0.18	0.62	0.09	43.08	0.34	5.85	99.26	175	18	170	2	36	8
74450	299	--	7.92	6.85	0.38	11.76	0.35	21.76	0.18	0.63	0.10	42.75	0.45	6.23	99.36	130	12	204	2	42	8
74451	299	--	7.36	5.60	0.45	11.93	0.56	22.85	0.19	0.23	0.09	40.32	0.36	9.30	99.24	220	24	280	2	39	8
74457	299	--	9.33	9.51	0.23	11.31	0.39	17.53	0.18	1.14	0.10	45.36	0.41	3.56	99.05	95	10	152	< 2	42	8
74458	299	--	7.98	6.86	0.33	11.47	0.91	20.80	0.18	0.70	0.10	42.45	0.39	6.90	99.07	360	32	248	2	45	10
74459	299	--	6.73	4.92	0.44	11.88	0.86	23.67	0.18	0.16	0.09	39.35	0.32	10.60	99.20	375	46	360	4	45	8
74460	299	--	7.02	5.57	0.46	11.87	0.14	23.83	0.23	0.37	0.08	39.78	0.30	9.26	98.91	35	6	200	2	39	6
74461	299	--	7.25	5.63	0.50	12.68	0.36	25.65	0.18	0.89	0.09	41.88	0.34	3.92	99.37	195	12	204	< 2	39	6
74462	299	--	8.63	7.16	0.36	11.97	0.51	20.63	0.18	0.56	0.09	42.97	0.42	5.84	99.32	210	20	138	2	39	8
74480	299	--	8.85	9.08	0.26	12.88	0.15	17.09	0.36	0.55	0.24	44.58	0.79	4.30	99.13	15	8	86	2	72	8
74494	299	--	13.23	8.45	0.03	16.27	0.66	4.97	0.24	1.27	0.16	43.97	1.81	8.19	99.25	130	18	270	6	90	22
74509	299	--	9.17	9.93	0.25	12.57	0.37	15.90	0.32	0.67	0.25	45.80	0.78	3.57	99.58	95	12	76	4	78	6

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date 04-JUL-96
Invoice No. I-9621928
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9621928

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %				
74380	205	226	125	103	8	260	1.6	-----				
74381	205	226	95	120	20	450	1.0	-----				
74382	205	226	45	122	5	310	1.2	-----				
74383	205	226	125	106	3	880	1.4	-----				
74384	205	226	275	91	< 1	1000	2.6	-----				
74385	205	226	65	156	< 1	320	0.6	-----				
74386	205	294	55	82	< 1	320	0.4	-----				
74387	205	226	200	32	28	300	0.6	-----				
74388	205	226	355	109	190	600	2.2	-----				
74389	205	226	255	28	148	260	1.0	-----				
74390	205	226	830	51	470	3800	8.0	-----				
74391	205	294	95	40	80	400	1.4	-----				
74392	205	226	95	31	210	890	1.2	-----				
74393	205	226	55	21	30	89	0.6	-----				
74394	205	226	55	16	68	90	0.4	-----				
74395	205	226	70	24	28	93	< 0.2	-----				
74396	205	226	260	40	180	1250	1.4	-----				
74397	205	226	375	27	62	89	0.4	-----				
74398	205	226	150	25	48	380	0.8	-----				
74399	205	226	400	27	58	500	1.0	-----				
74400	205	226	1240	33	135	2400	2.2	-----				
74401	205	226	105	162	< 1	153	0.8	-----				
74402	205	226	25	87	9	121	0.8	-----				
74403	205	294	60	85	< 1	190	0.6	-----				
74404	205	294	120	92	< 1	147	0.8	-----				
74405	205	226	35	48	4	3200	0.2	-----				
74406	205	226	15	55	6	860	< 0.2	-----				
74407	205	226	< 5	18	< 1	101	< 0.2	-----				
74408	205	226	15	65	< 1	2500	< 0.2	-----				
74409	205	226	10	38	2	430	< 0.2	-----				
74410	205	226	140	26	< 1	1100	0.4	-----				
74411	205	294	2080	41	4	400	0.4	-----				
74412	205	226	195	19	10	270	< 0.2	-----				
74413	205	226	75	26	< 1	1750	< 0.2	-----				
74414	205	226	55	40	3	3600	< 0.2	-----				
74415	205	226	35	10	< 1	146	< 0.2	-----				
74416	205	226	40	42	2	3700	< 0.2	-----				
74417	205	226	25	15	4	340	< 0.2	-----				
74418	205	226	30	17	< 1	920	< 0.2	-----				
74419	205	226	45	24	< 1	105	0.4	-----				

9637

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 1
Total Pages 3
Certificate Date 04-JUL-96
Invoice No. I-9621928
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9621928

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
74294	205 226	6550	410	600	5900	7.8	-----
74295	205 226	225	50	310	1350	1.6	-----
74296	205 226	180	35	330	700	0.8	-----
74297	205 294	75	25	400	660	0.8	-----
74298	205 226	135	30	230	370	0.4	-----
74299	205 226	170	21	112	220	< 0.2	-----
74300	205 226	85	18	140	250	< 0.2	-----
74336	205 226	70	18	200	570	0.6	-----
74337	205 226	280	17	68	93	< 0.2	-----
74338	205 294	205	20	64	680	< 0.2	-----
74339	205 226	685	61	43	1400	0.8	-----
74340	205 226	125	39	34	1600	0.4	-----
74341	205 226	510	48	23	2000	< 0.2	-----
74342	205 226	140	88	44	2600	0.6	-----
74343	205 226	755	192	33	4500	1.2	-----
74344	205 226	8880	165	29	4100	7.2	-----
74345	205 226	2250	173	59	3500	1.8	-----
74346	205 226	705	1300	5	280	5.8	-----
74347	205 226	125	109	< 1	136	0.6	-----
74348	205 226	60	70	< 1	165	0.4	-----
74349	205 226	15	33	< 1	165	< 0.2	-----
74361	205 226	25	16	< 1	240	< 0.2	-----
74362	205 226	365	470	< 1	>10000	3.0	4.66
74363	205 226	115	31	< 1	340	0.8	-----
74364	205 226	10	11	5	480	0.2	-----
74365	205 226	55	30	3	97	0.4	-----
74366	205 226	30	7	< 1	75	0.2	-----
74367	205 226	< 5	11	< 1	62	< 0.2	-----
74368	205 226	25	15	< 1	82	< 0.2	-----
74369	205 226	< 5	10	< 1	50	< 0.2	-----
74370	205 226	15	10	< 1	91	< 0.2	-----
74371	205 226	15	10	5	106	< 0.2	-----
74372	205 226	35	20	2	230	1.0	-----
74373	205 226	15	8	8	320	< 0.2	-----
74374	205 226	165	89	22	2500	0.6	-----
74375	205 226	20	22	< 1	155	< 0.2	-----
74376	205 226	15	61	< 1	151	0.4	-----
74377	205 294	55	90	< 1	780	1.2	-----
74378	205 294	50	83	11	280	1.4	-----
74379	205 226	120	91	2	250	1.8	-----

9635
9636
9637

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 2
Total Pages 2
Certificate Date 02-JUL-96
Invoice No. I-9621929
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9621929

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74499	205 226	5	88	< 1	88	< 0.2
74500	205 226	60	90	< 1	145	0.4
74501	205 226	10	39	< 1	127	< 0.2
74502	205 226	20	89	< 1	560	< 0.2
74503	205 226	15	10	6	162	< 0.2
74504	205 226	65	131	3	3000	< 0.2
74505	205 226	180	250	21	250	1.0
74506	205 226	< 5	6	< 1	118	< 0.2
74507	205 226	< 5	6	< 1	101	< 0.2
74508	205 226	< 5	5	4	96	< 0.2
74510	205 226	10	35	8	300	< 0.2
74511	205 226	20	19	< 1	570	0.6
74512	205 226	340	38	< 1	1950	3.4
74513	205 226	10	16	< 1	108	0.4
74514	205 226	20	50	< 1	330	0.4
74515	205 226	325	115	3	1350	5.0
74516	205 226	250	61	5	1650	3.0
74517	205 226	30	57	< 1	290	0.6
74518	205 226	20	28	< 1	116	0.2
74519	205 226	< 5	89	< 1	45	< 0.2
74520	205 226	< 5	11	< 1	60	< 0.2

9638

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 1
Total Pages 2
Certificate Date 02-JUL-96
Invoice No. I-9621929
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9621929

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74431	205 226	15	16	5	270	< 0.2
74432	205 226	< 5	5	6	67	< 0.2
74433	205 226	15	5	3	55	0.2
74434	205 226	< 5	10	< 1	290	< 0.2
74435	205 226	70	29	< 1	540	0.8
74436	205 226	265	220	5	5000	1.2
74437	205 226	160	16	18	440	0.4
74438	205 226	110	97	4	3900	0.6
74439	205 226	45	80	< 1	370	< 0.2
74440	205 226	75	23	< 1	195	< 0.2
74441	205 226	15	16	3	78	< 0.2
74442	205 226	30	9	< 1	66	< 0.2
74443	205 226	< 5	20	< 1	91	< 0.2
74444	205 226	< 5	12	< 1	70	< 0.2
74445	205 226	15	8	2	59	0.2
74446	205 226	30	9	< 1	66	< 0.2
74447	205 226	5	10	2	131	0.4
74448	205 226	15	164	< 1	101	0.4
74475	205 226	125	120	7	530	1.0
74476	205 226	20	20	19	133	0.4
74477	205 226	10	33	6	128	< 0.2
74478	205 226	140	25	6	390	1.0
74479	205 226	35	27	8	240	< 0.2
74481	205 294	245	14	43	290	0.8
74482	205 294	125	10	51	1500	0.4
74483	205 294	70	9	40	1400	< 0.2
74484	205 226	40	10	57	290	< 0.2
74485	205 226	165	11	62	380	0.2
74486	205 226	150	48	93	1150	0.4
74487	205 226	50	16	40	119	< 0.2
74488	205 226	335	200	68	280	0.6
74489	205 226	95	36	13	93	0.4
74490	205 226	260	25	13	193	< 0.2
74491	205 226	955	45	20	260	0.4
74492	205 294	190	30	40	280	< 0.2
74493	205 294	5	42	12	127	0.6
74495	205 226	< 5	61	3	139	< 0.2
74496	205 226	5	102	4	95	0.4
74497	205 226	< 5	74	< 1	87	< 0.2
74498	205 226	15	112	< 1	115	0.4

9634
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CERTIFICATION:

07/05/96 7:21AM CHEMEX LABS VAX-FAX PAGE 002

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project : NRR PRIMARY
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Num :1
Total Pages :1
Certificate Date: 08-JUL-96
Invoice No. :I9622512
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9622512

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm					
74665	255	295	60	430	0.2	1350	91					
74667	255	295	110	540	0.2	1100	65					
74671	255	295	50	790	0.6	1300	89					
74676	255	295	95	19	< 0.2	12	6					
74677	255	295	810	1850	2.1	2900	165					

9642

CERTIFICATION: Ian A Bichler

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Project : NRR PRIMARY
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Page Nur :1
Total Page :1
Certificate Date: 08-JUL-96
Invoice No. :I9622513
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9622513

SAMPLE	PREP CODE		Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm			
74666	255	272	60	85	274	450	0.2	1400	84			
74668	255	295	356	290	884	1800	1.8	3650	160			
74669	255	295	446	410	1200	2650	2.7	4500	181			
74670	255	295	166	170	508	1500	1.1	2400	117			
74672	255	295	602	210	444	2550	2.8	2900	143			
74673	255	295	226	390	1580	2400	2.1	6300	170			
74674	255	295	172	320	8300	3950	6.0	>10000	800			
74675	255	295	104	5	450	2550	2.8	1000	46			

9642

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 1
Total Pages 2
Certificate Date 12-JUL-96
Invoice No. I-9623071
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9623071

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74601	205 294	15	16	< 1	160	< 0.2
74602	205 226	20	28	12	375	< 0.2
74603	205 226	190	162	3	470	1.6
74604	205 294	70	92	10	170	0.8
74605	205 294	40	86	19	312	0.6
74606	205 294	80	126	13	235	0.9
74607	205 226	10	15	< 1	60	< 0.2
74608	205 226	415	170	< 1	6450	3.4
74609	205 226	15	70	< 1	660	0.9
74610	205 294	250	98	< 1	1400	2.6
74611	205 294	150	100	< 1	660	1.6
74612	205 226	170	105	< 1	435	1.4
74613	205 226	385	16	29	220	0.5
74614	205 294	195	20	19	120	0.2
74615	205 226	140	20	20	115	0.2
74616	205 226	80	12	12	222	< 0.2
74617	205 226	80	12	10	118	< 0.2
74618	205 226	160	24	13	92	< 0.2
74619	205 226	265	9	13	138	0.2
74620	205 294	80	8	21	156	< 0.2
74621	205 294	255	18	18	70	0.2
74622	205 226	165	880	2900	5200	12.3
74623	205 226	80	12	66	1750	0.4
74624	205 226	45	16	78	440	0.3
74625	205 226	205	25	53	335	0.6
74626	205 226	55	8	28	122	0.2
74627	205 226	45	5	42	138	0.2
74628	205 226	100	15	35	90	0.4
74629	205 226	100	22	36	80	0.2
74630	205 226	75	17	105	145	0.5
74631	205 226	1050	16	400	435	3.0
74632	205 294	35	70	88	225	0.7
74633	205 226	70	18	42	92	0.2
74634	205 226	50	45	100	280	0.5
74635	205 226	45	16	115	438	0.3
74636	205 226	45	30	105	260	0.2
74637	205 226	400	21	150	1000	0.7
74638	205 226	150	62	500	2900	2.5
74639	205 226	235	32	112	370	0.5
74640	205 226	150	20	40	72	< 0.2

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :1
Certificate Date: 18-JUL-96
Invoice No. :19624029
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9624029

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Zn %	Ag ppm Aqua R
74715	205	294	90	30	68	193	-----	1.0
74716	205	294	160	51	210	1000	-----	2.0
74717	205	226	40	27	48	115	-----	0.6
74718	205	226	80	340	3500	>10000	1.00	9.2
74719	205	294	70	37	182	184	-----	1.0
74720	205	226	10	10	18	380	-----	< 0.2
74721	205	226	40	39	30	280	-----	< 0.2
74722	205	226	10	6	16	300	-----	< 0.2
74723	205	294	435	34	480	510	-----	2.0
74724	205	226	325	46	600	130	-----	2.2
74725	205	226	820	24	174	760	-----	1.2
74726	205	226	525	42	290	760	-----	2.0
74727	205	226	1340	810	1450	>10000	1.00	12.4
74728	205	226	1090	500	2300	9700	-----	9.8
74729	205	226	815	196	188	2600	-----	1.8
74730	205	226	175	43	145	2200	-----	1.4
74731	205	294	115	108	6	380	-----	0.4
74732	205	294	85	137	< 1	430	-----	0.6
74733	205	294	20	112	6	340	-----	< 0.2
74734	205	294	40	75	5	240	-----	< 0.2
74735	205	294	60	102	4	220	-----	< 0.2

CERTIFICATION: Adriana Alexandru

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Project :
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Certificate Date: 24-JUL-96
Invoice No. : I9625087
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9625087

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
74907	255	272	185	70	6	3600	0.4	-----
74908	255	295	570	181	4	7200	1.0	-----
74909	255	295	190	104	7	2000	< 0.2	-----
74910	255	295	270	92	28	3400	2.0	-----

CERTIFICATION: Adriana Alexandru

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Project :
Comments: ATTN: GEORGE ARCHIBALD FAX: JIM WILSON

Certificate Date: 24-JUL-96
Invoice No. :I9625087
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9625087

9644

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
74867	255	295	165	38	37	1250	1.4	-----
74868	255	295	375	500	35	>10000	2.6	2.38
74869	255	295	440	230	121	5200	1.4	-----
74870	255	272	220	72	126	1400	1.0	-----
74871	255	295	340	165	30	4700	1.6	-----
74872	255	272	265	58	18	1700	< 0.2	-----
74873	255	272	45	58	6	1000	0.4	-----
74874	255	295	60	98	17	2600	< 0.2	-----
74875	255	295	300	75	15	6600	1.2	-----
74876	255	295	115	103	18	3800	0.8	-----
74877	255	295	895	98	22	2800	2.2	-----
74878	255	295	2560	300	29	6100	3.0	-----
74879	255	295	510	161	24	7600	1.2	-----
74880	255	295	210	31	11	740	1.0	-----
74881	255	295	485	205	16	>10000	3.0	1.90
74882	255	295	250	91	17	3100	1.6	-----
74883	255	295	3200	1500	37	>10000	10.0	2.38
74884	255	272	200	75	18	3100	1.2	-----
74885	255	295	275	70	20	6600	1.0	-----
74886	255	295	240	71	21	4500	0.6	-----
74887	255	295	490	87	24	3800	0.8	-----
74888	255	295	735	92	25	4000	0.6	-----
74889	255	295	1920	245	26	6000	1.8	-----
74890	255	295	2820	146	35	4100	2.8	-----
74891	255	295	490	285	20	4800	2.0	-----
74892	255	295	420	235	21	3600	1.6	-----
74893	255	295	1120	105	23	3300	1.0	-----
74894	255	272	3030	53	25	1400	0.4	-----
74895	255	295	1770	110	11	3300	1.0	-----
74896	255	295	60	96	< 1	400	< 0.2	-----
74897	255	272	540	83	6	2600	0.4	-----
74898	255	295	130	120	8	5700	0.8	-----
74899	255	295	815	86	5	2600	0.6	-----
74900	255	295	2880	131	6	5400	1.4	-----
74901	255	295	1860	126	7	3400	0.6	-----
74902	255	295	3870	184	10	8100	1.4	-----
74903	255	295	480	146	4	4800	0.6	-----
74904	255	295	860	115	6	3800	0.4	-----
74905	255	295	380	350	< 1	>10000	0.8	1.52
74906	255	295	1250	350	< 1	>10000	1.0	1.80

CERTIFICATION: Adriana Alexandre

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number : 1
Total Pages : 1
Certificate Date: 24-JUL-96
Invoice No. : 19624027
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9624027

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
96-42-1-106-109	208	226	10	84	3	40	< 0.2	75				
96-42-1-121-124	208	226	10	114	3	34	< 0.2	80				
96-42-1-148-151	208	226	< 5	44	4	24	< 0.2	180				
96-42-1-167-170	208	226	< 5	150	2	23	< 0.2	265				
96-42-1-191-194	208	226	55	260	< 1	25	< 0.2	580				
96-42-1-206-209	208	226	20	250	3	70	0.2	760				
74708	208	226	15	360	6	33	< 0.2	960				
74709	208	294	45	460	2	34	0.3	1100				
74710	208	294	30	330	15	42	0.2	1000				
74711	208	294	20	240	2	50	0.2	780				
74712	208	226	115	4200	7	240	6.6	3000				
74713	208	294	25	330	9	108	0.4	900				
74714	208	294	55	300	3	105	0.3	800				

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 05-AUG-96
Invoice No. : I9625305
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9625305

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
74856	205	294	220	-----	40	54	340	2.9				
74857	205	226	90	-----	43	76	165	1.1				
74858	205	226	435	-----	72	290	780	1.7				
74859	205	294	340	-----	43	365	480	1.3				
74860	205	226	60	-----	44	335	1100	1.3				
74861	205	226	40	-----	22	34	145	0.2				
74862	205	226	< 5	-----	34	4	328	< 0.2				
74863	205	226	140	-----	73	38	360	0.5				
74864	205	226	115	-----	112	412	1300	2.0				
74865	205	226	220	-----	130	100	3150	1.4				
74866	205	226	600	-----	28	60	1100	2.9				

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Certificate D :5-AUG-96
Invoice No. :19625305
P.O. Number :
Account :LVY

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

CERTIFICATE OF ANALYSIS A9625305

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74816	205 226	2200	-----	53	28	2100	2.8
74817	205 294	315	-----	93	19	980	1.3
74818	205 294	1260	-----	20	13	285	1.2
74819	205 226	285	-----	138	10	182	2.1
74820	205 226	225	-----	175	19	455	2.5
74821	205 226	210	-----	74	9	245	1.5
74822	205 226	60	-----	27	43	305	0.6
74823	205 226	900	-----	50	105	1500	2.0
74824	205 226	285	-----	29	105	670	1.2
74825	205 226	1190	-----	365	1700	3900	7.6
74826	205 226	150	-----	31	38	130	0.7
74827	205 294	720	-----	49	46	580	0.8
74828	205 226	2250	-----	110	19	1900	3.0
74829	205 226	2250	-----	280	32	>10000	5.0
74830	205 226	1540	-----	84	21	850	2.4
74831	205 226	1500	-----	106	132	2900	23.5
74832	205 226	3550	-----	21	84	155	2.5
74833	205 226	395	-----	6	4	76	0.2
74834	205 226	2870	-----	25	26	332	0.9
74835	205 226	95	-----	180	2500	3900	20.0
74836	205 226	35	-----	36	21	170	0.5
74837	205 226	20	-----	21	18	142	0.2
74838	205 294	25	-----	18	20	295	1.1
74839	205 226	25	-----	9	18	680	1.2
74840	205 226	225	-----	48	74	480	2.2
74841	205 294	110	-----	21	38	83	0.6
74842	205 294	105	-----	26	125	186	1.7
74843	205 294	140	-----	50	168	600	2.4
74844	205 294	230	-----	120	395	1650	5.7
74845	205 226	< 5	-----	19	6	80	< 0.2
74846	205 226	< 5	-----	39	8	102	0.4
74847	205 226	5	-----	42	7	98	0.5
74848	205 226	40	-----	22	18	70	1.9
74849	205 294	100	-----	13	8	48	1.1
74850	205 226	95	-----	24	11	85	3.2
74851	205 226	10	-----	46	4	88	0.4
74852	205 226	25	-----	13	9	70	0.5
74853	205 226	35	-----	34	48	116	2.7
74854	205 226	30	-----	31	42	210	2.2
74855	205 294	80	-----	30	45	230	2.1

CERTIFICATION: Hart Bichler

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To: NUINSCO RESOURCES LIMITED

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :2
Total Pages :4
Certificate Date: 05-AUG-96
Invoice No. :I9625305
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9625305

9644

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74776	205 226	530	-----	95	182	2650	1.1
74777	205 226	370	-----	124	198	2600	1.3
74778	205 294	290	-----	52	185	3150	1.3
74779	205 294	450	-----	60	70	3450	1.1
74780	205 294	140	-----	45	70	2000	0.5
74781	205 226	290	-----	93	13	520	3.0
74782	205 294	35	-----	103	9	405	0.9
74783	205 226	35	-----	117	6	415	1.0
74784	205 226	65	-----	200	8	1050	2.0
74785	205 226	80	-----	145	2	365	2.3
74786	205 226	50	-----	112	< 1	840	1.2
74787	205 226	620	-----	64	4	670	5.9
74788	205 294	95	-----	34	75	1700	0.6
74789	205 294	135	-----	18	31	780	0.4
74790	205 226	115	-----	36	38	2100	0.6
74791	205 294	90	-----	30	60	900	1.1
74792	205 226	105	-----	14	178	2000	0.8
74793	205 294	135	-----	128	35	2450	3.0
74794	205 226	115	-----	130	27	8300	0.8
74795	205 226	100	-----	19	25	980	0.5
74796	205 226	120	-----	18	55	195	0.3
74797	205 226	465	-----	45	700	780	2.8
74798	205 226	1010	-----	155	1500	6600	4.7
74799	205 226	60	-----	17	12	140	< 0.2
74800	205 226	30	-----	16	9	290	< 0.2
74801	205 226	25	-----	16	4	135	< 0.2
74802	205 226	40	-----	11	7	102	< 0.2
74803	205 226	95	-----	17	9	102	< 0.2
74804	205 294	70	-----	11	7	418	0.2
74805	205 226	55	-----	15	7	140	< 0.2
74806	205 226	55	-----	16	6	165	0.2
74807	205 226	50	-----	13	16	134	0.2
74808	205 226	70	-----	6	2	11	< 0.2
74809	205 226	70	-----	10	5	216	0.2
74810	205 226	15	-----	19	< 1	314	< 0.2
74811	205 226	290	-----	31	3	1950	1.3
74812	205 226	940	-----	112	12	2400	1.6
74813	205 226	960	-----	60	18	260	2.4
74814	205 226	625	-----	80	23	920	2.6
74815	205 226	1120	-----	42	24	520	1.5

CERTIFICATION: Hart Bichler

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5175 Timberlea Blvd., Mississauga
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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number : 1
Total Pages : 4
Certificate Date: 05-AUG-96
Invoice No. : I9625305
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9625305

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
74736	205	226	155	-----	123	286	2250	1.6				
74737	205	226	845	-----	96	265	4750	1.8				
74738	205	294	150	-----	88	138	2000	0.9				
74739	205	226	90	-----	56	54	3250	0.6				
74740	205	226	115	-----	105	142	4850	1.2				
74741	205	226	165	-----	107	244	5750	1.4				
74742	205	294	6780	-----	132	100	5000	5.0				
74743	205	226	750	-----	130	152	3950	1.3				
74744	205	226	840	-----	107	270	4000	1.3				
74745	205	294	1550	-----	178	84	3900	1.7				
74746	205	226	1000	-----	262	140	5000	2.8				
74747	205	226	>10000	29.21	600	275	3400	12.5				
74748	205	294	2150	-----	202	70	5650	7.4				
74749	205	294	2760	-----	98	35	3550	3.3				
74750	205	226	1350	-----	550	46	9400	3.6				
74751	205	226	150	-----	130	12	300	1.4				
74752	205	226	50	-----	130	26	290	1.0				
74753	205	226	60	-----	86	16	340	1.1				
74754	205	226	115	-----	135	< 1	360	1.6				
74755	205	226	100	-----	80	13	218	0.8				
74756	205	226	95	-----	145	16	108	0.8				
74757	205	226	25	-----	27	28	160	0.6				
74758	205	226	20	-----	24	6	225	0.3				
74759	205	226	315	-----	67	3	290	3.2				
74760	205	226	575	-----	120	7	1050	3.4				
74761	205	226	150	-----	252	12	650	2.0				
74762	205	226	50	-----	186	12	460	1.2				
74763	205	226	115	-----	100	9	295	1.6				
74764	205	226	145	-----	105	3	390	1.8				
74765	205	226	745	-----	86	54	2600	1.0				
74766	205	226	1380	-----	140	32	780	2.4				
74767	205	226	690	-----	106	50	1100	1.2				
74768	205	226	7510	-----	530	105	2000	7.0				
74769	205	226	1400	-----	170	62	3350	1.7				
74770	205	294	1070	-----	140	285	4500	3.3				
74771	205	226	655	-----	130	325	5300	1.6				
74772	205	226	1750	-----	58	400	2150	2.0				
74773	205	226	600	-----	84	375	4400	1.9				
74774	205	226	220	-----	83	168	2350	1.1				
74775	205	226	280	-----	104	195	3900	1.2				

CERTIFICATION: Stuart Buchler

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 07-MAY-96
Invoice No. :I9617257
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9617257

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
73364	205 226	< 5	93	< 1	156	0.4
73365	205 226	< 5	63	< 1	176	< 0.2
73366	205 226	< 5	85	< 1	176	0.4
73367	205 226	< 5	94	< 1	172	< 0.2
73368	205 226	< 5	142	< 1	183	0.6
73369	205 226	20	101	< 1	250	0.6
73370	205 226	< 5	78	< 1	190	< 0.2
73371	205 226	< 5	99	< 1	148	< 0.2
73372	205 226	5	168	< 1	125	0.4
73373	205 226	< 5	66	< 1	195	< 0.2
73374	205 226	40	270	< 1	187	0.4
73375	205 226	< 5	8	< 1	105	0.4
73376	205 226	< 5	65	< 1	108	0.2
73377	205 226	< 5	70	< 1	134	< 0.2
73378	205 226	< 5	65	< 1	85	< 0.2
73379	205 226	90	111	< 1	182	1.2
73380	205 226	175	189	< 1	73	2.0
73381	205 226	35	94	< 1	156	1.0
73382	205 226	355	177	17	9800	2.4
73383	205 226	170	105	52	740	1.4
73384	205 226	420	115	30	5700	1.8
73385	205 226	565	105	69	2400	2.8
73386	205 226	95	136	60	1600	2.0
73387	205 226	5	75	< 1	175	0.6
73388	205 226	20	101	< 1	200	0.6
73389	205 226	20	65	3	161	0.6
73390	205 226	15	79	2	159	0.8
73391	205 226	40	54	3	164	0.6
73392	205 226	10	70	8	100	0.6
73393	205 226	50	105	6	160	1.0
73394	205 226	< 5	60	< 1	105	< 0.2
73395	205 226	25	88	< 1	174	< 0.2
73396	205 226	75	80	< 1	270	< 0.2
73397	205 226	< 5	235	< 1	107	0.4
73398	205 226	< 5	86	< 1	122	< 0.2
73399	205 226	305	156	< 1	750	6.6
73400	205 226	160	280	< 1	330	3.4
73401	205 226	30	188	9	420	1.8
73402	205 226	30	88	15	680	1.0
73403	205 226	10	73	< 1	192	0.4

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 07-MAY-96
Invoice No. : I9617258
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9617258

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
73491	205	226	15	20	32	240	< 0.2
73492	205	226	1420	13	27	2200	0.6
73493	205	226	185	12	24	127	0.4
73494	205	226	420	53	580	1350	2.4
73495	205	226	60	13	54	135	0.6
73496	205	226	75	25	39	110	1.0
73497	205	226	155	18	67	109	1.0
73498	205	226	110	22	480	680	4.0
73499	205	226	45	34	36	58	0.6
73500	205	226	210	36	350	720	2.0

9631

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Project :
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Certificate Date: 07-MAY-96
Invoice No. : 19617258
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9617258

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
73451	205	226	125	25	< 1	61	0.4					
73452	205	226	30	81	< 1	220	0.4					
73453	205	226	< 5	66	< 1	126	0.2					
73454	205	226	15	111	< 1	410	0.4					
73455	205	226	20	122	< 1	1300	0.4					
73456	205	226	20	72	< 1	370	< 0.2					
73457	205	226	5	109	< 1	230	0.8					
73458	205	226	5	84	< 1	300	0.2					
73459	205	226	70	168	4	550	1.4					
73460	205	226	< 5	16	< 1	139	< 0.2					
73461	205	226	< 5	76	< 1	320	< 0.2					
73462	205	226	45	270	< 1	340	1.2					
73463	205	226	< 5	77	< 1	139	< 0.2					
73464	205	226	5	56	< 1	188	< 0.2					
73465	205	226	40	260	< 1	400	0.8					
73466	205	226	< 5	85	< 1	169	0.4					
73467	205	226	< 5	50	< 1	161	< 0.2					
73468	205	226	5	50	< 1	340	< 0.2					
73469	205	226	80	57	< 1	126	1.2					
73470	205	226	105	6	< 1	77	0.6					
73471	205	226	80	3	< 1	52	0.6					
73472	205	226	560	95	12	1400	4.2					
73473	205	226	35	52	< 1	310	0.8					
73474	205	226	65	12	33	118	0.6					
73475	205	226	255	33	27	320	0.6					
73476	205	226	85	31	42	750	0.2					
73477	205	226	280	16	52	240	0.8					
73478	205	226	60	10	46	195	0.4					
73479	205	226	15	26	108	1050	1.2					
73480	205	226	75	47	220	940	0.4					
73481	205	226	50	46	24	350	< 0.2					
73482	205	226	55	24	7	65	< 0.2					
73483	205	226	100	24	165	560	1.0					
73484	205	226	40	55	1200	4500	1.0					
73485	205	226	80	60	41	920	1.0					
73486	205	226	30	38	37	280	< 0.2					
73487	205	226	55	12	28	320	< 0.2					
73488	205	226	95	12	13	82	< 0.2					
73489	205	226	50	13	16	400	< 0.2					
73490	205	226	105	9	21	550	< 0.2					

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Page Nu :2
Total Pages :2
Certificate Date: 15-MAY-96
Invoice No. : I9617843
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9617843

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74169	205	226	65	54	1000	2000	4.6
74170	205	226	25	10	47	106	0.6
74171	205	226	25	10	29	178	0.6
74172	205	226	< 5	15	12	56	0.6
74173	205	226	750	68	61	830	2.6
74175	205	226	10	32	< 1	63	0.2
74176	205	226	< 5	20	< 1	48	< 0.2
74189	205	226	< 5	126	< 1	58	0.4
74190	205	226	< 5	113	< 1	40	< 0.2
74192	205	226	15	103	21	280	0.8
74193	205	226	< 5	94	4	230	0.4
74194	205	226	< 5	92	3	166	0.4
74195	--	--	not/ss	not/ss	not/ss	not/ss	not/ss
74196	205	226	185	94	4	750	1.8
74197	205	226	110	108	5	420	1.0
74198	205	226	100	78	3	240	1.0
74199	205	226	125	18	4	180	1.2
74200	205	226	945	16	8	770	7.0

96-32

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 1
Total Pages 1
Certificate Date 12-JUN-96
Invoice No. I-9620398
P.O. Number
Account

CERTIFICATE OF ANALYSIS A9620398

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm					
74301	255	272	25	320	< 0.2	1200	93					
74302	255	272	10	280	< 0.2	1050	50					
74303	255	272	15	260	< 0.2	1080	84					
74304	255	295	50	920	< 0.2	1800	108					
74305	255	295	30	770	< 0.2	1700	102					
74306	255	295	20	355	< 0.2	1250	85					
74307	255	272	25	570	< 0.2	1450	100					
74308	255	272	30	435	< 0.2	1300	93					
74309	255	295	95	590	0.2	1160	92					
74310	255	295	115	810	0.5	1650	105					
74311	255	295	200	1200	0.8	2200	125					
74312	255	295	155	1250	0.9	2400	115					
74313	255	295	210	2000	1.7	3250	160					
74314	255	295	290	3050	2.6	3400	166					
74317	255	295	70	1000	0.8	1150	80					
74318	255	272	30	250	< 0.2	1000	76					
74319	255	295	45	420	0.2	1150	82					
74320	255	295	245	1650	2.0	3400	135					
74321	255	295	120	1400	1.5	1650	190					
74322	255	295	110	1100	1.3	1600	95					

1634

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number 1
Total Pages 1
Certificate Date 12-JUN-96
Invoice No. I-9620399
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9620399

SAMPLE DESCRIPTION	PREP CODE		Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm			
74315	255	295	412	540	1770	3350	3.5	4950	200			
74316	255	295	244	380	1410	2500	2.6	3600	170			
74323	255	295	92	130	512	670	1.1	1800	186			
74324	255	295	184	140	568	1400	1.8	1900	134			
74325	255	295	168	310	1120	2700	3.9	3800	130			
74326	255	295	192	150	440	1400	1.8	1800	107			
74327	255	295	136	380	2100	7300	9.8	6000	145			
74328	255	295	220	300	1800	3200	5.0	5600	162			
74329	255	295	636	310	1300	2400	3.0	4500	215			
74330	255	272	12	100	244	370	0.2	1300	86			
74331	255	272	12	170	368	650	0.4	1450	110			
74332	255	295	20	220	800	1500	1.4	2750	155			
74333	255	295	16	230	676	1100	0.9	1800	246			
74334	255	295	24	600	1120	3250	2.4	2800	180			
74335	255	295	4	< 10	16	73	< 0.2	196	29			

634

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number : 1
Total Pages : 1
Certificate Date: 22-Jul
Invoice No. : I962(
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9620926

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm					
74226	208	226	60	-----	-----	390	-----					
74351	208	226	180	820	0.8	1500	84					
74352	208	226	75	630	0.4	1300	72					
74353	208	226	190	1200	1.1	1800	95					
74354	208	226	360	3000	3.4	3500	178					
74355	208	226	600	4050	5.0	5300	280					
74356	208	226	120	1200	1.4	2150	88					
74452	208	226	45	310	0.3	840	-----					
74453	208	226	90	600	0.4	1350	-----					
74455	208	294	55	128	0.4	126	-----					

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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :1
Certificate Date: 24-JUN-96
Invoice No. :I9620925
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9620925

SAMPLE	PREP CODE		Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm			
74357	205	226	310	260	850	3600	4.0	2700	138			
74358	205	226	354	270	1070	2400	2.8	1950	86			
74359	205	226	36	160	1150	2450	5.0	6400	460			
74360	205	226	36	5	158	1350	0.9	470	64			
74454	205	226	74	< 5	38	600	0.5	104	48			

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1635

CERTIFICATION: Stuart Bichler

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Project :
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Certificate Date: 24-JUN-96
Invoice No. : 19620929
P.O. Number :
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CERTIFICATE OF ANALYSIS A9620929

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74282	205	226	140	-----	12	36	49	0.2
74283	205	226	35	-----	20	40	136	0.4
74284	205	226	30	-----	12	23	188	< 0.2
74285	205	226	20	-----	13	46	132	0.4
74286	205	226	15	-----	13	34	170	0.2
74287	205	226	885	-----	14	80	170	0.6
74288	205	226	1370	-----	12	38	290	0.2
74289	205	226	>10000	11.50	26	38	240	2.3
74290	205	226	595	-----	106	200	500	3.8
74291	205	226	320	-----	40	98	1550	2.2
74292	205	226	325	-----	21	540	1300	1.8
74293	205	226	220	-----	47	82	1200	1.2

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Page Number :2
Total Pages :3
Certificate Date: 24-JUN-96
Invoice No. :I9620929
P.O. Number :
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CERTIFICATE OF ANALYSIS A9620929

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74242	205	226	260	-----	19	5	422	0.2
74243	205	294	105	-----	18	9	230	< 0.2
74244	205	294	275	-----	27	6	122	< 0.2
74245	205	294	480	-----	34	12	300	0.3
74246	205	226	240	-----	32	11	265	0.2
74247	205	226	2720	-----	60	285	>10000	4.0
74248	205	226	490	-----	33	31	660	0.3
74249	205	226	240	-----	27	15	1050	0.6
74250	205	226	415	-----	24	188	750	0.5
74251	205	226	85	-----	35	28	110	< 0.2
74252	205	226	65	-----	33	225	179	1.0
74253	205	294	345	-----	36	530	780	1.4
74254	205	226	425	-----	48	236	295	0.6
74255	205	226	630	-----	118	1280	2650	5.6
74256	205	226	225	-----	45	175	185	0.6
74257	205	226	695	-----	60	400	1100	1.7
74258	205	226	790	-----	40	56	160	0.3
74259	205	294	1000	-----	155	440	580	1.4
74260	205	226	730	-----	36	77	195	0.6
74261	205	226	>10000	34.90	92	2100	4250	31.0
74262	205	226	500	-----	39	600	750	2.7
74263	205	226	290	-----	48	445	700	1.2
74264	205	226	35	-----	14	105	212	< 0.2
74265	205	226	140	-----	22	145	216	0.3
74266	205	226	290	-----	18	285	630	0.4
74267	205	226	805	-----	14	285	500	0.3
74268	205	226	655	-----	14	164	195	0.5
74269	205	226	420	-----	165	2100	2950	2.1
74270	205	226	1940	-----	161	1300	1950	1.9
74271	205	294	705	-----	72	550	830	1.7
74272	205	226	795	-----	82	630	830	1.3
74273	205	226	260	-----	87	1050	1600	2.3
74274	205	226	225	-----	83	205	630	0.6
74275	205	226	210	-----	38	163	470	0.2
74276	205	226	125	-----	15	60	150	< 0.2
74277	205	226	100	-----	33	255	390	1.0
74278	205	226	75	-----	13	92	250	0.4
74279	205	226	330	-----	47	192	2800	0.3
74280	205	226	780	-----	39	1450	1400	3.5
74281	205	226	45	-----	26	31	130	< 0.2

CERTIFICATION: Stuart Bachler

Chemex Labs Ltd.

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

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :3
Certificate Date: 24-JUN-96
Invoice No. :I9620929
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9620929

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
74201	205	226	10	-----	39	< 1	1100	< 0.2
74202	205	226	15	-----	165	< 1	100	0.8
74203	205	226	50	-----	700	< 1	660	2.1
74204	205	226	55	-----	76	< 1	1500	1.3
74205	205	226	30	-----	14	< 1	145	0.2
74206	205	226	1160	-----	90	2	2400	5.9
74207	205	226	320	-----	74	84	980	0.7
74208	205	226	190	-----	34	56	275	0.6
74209	205	226	135	-----	36	165	620	1.1
74210	205	226	650	-----	113	1130	5300	6.4
74211	205	226	215	-----	29	260	1000	1.0
74212	205	226	1310	-----	49	318	1200	6.8
74213	205	226	330	-----	45	247	2050	1.8
74214	205	226	555	-----	165	288	1450	2.6
74215	205	226	390	-----	45	1680	2650	7.7
74216	205	226	130	-----	26	220	245	1.5
74217	205	226	50	-----	11	49	66	0.6
74218	205	226	125	-----	64	265	900	4.9
74219	205	226	140	-----	21	212	120	2.3
74220	205	226	40	-----	19	22	38	0.4
74221	205	226	40	-----	10	15	41	0.3
74222	205	226	90	-----	11	21	90	0.4
74223	205	226	65	-----	13	44	660	0.2
74224	205	226	680	-----	15	115	195	0.9
74225	205	226	615	-----	10	10	235	0.3
74227	205	226	225	-----	32	28	378	0.7
74228	205	226	230	-----	23	37	290	0.5
74229	205	294	1440	-----	42	22	455	0.5
74230	205	226	1850	-----	75	31	2600	2.5
74231	205	226	825	-----	77	30	820	1.0
74232	205	226	465	-----	56	470	3900	1.6
74233	205	226	325	-----	47	150	3200	4.0
74234	205	226	640	-----	69	9	970	1.0
74235	205	226	670	-----	25	12	230	0.7
74236	205	226	805	-----	260	13	2100	2.2
74237	205	226	200	-----	45	41	2500	2.0
74238	205	226	65	-----	17	16	85	0.9
74239	205	226	80	-----	16	9	1000	0.6
74240	205	226	255	-----	19	10	78	0.8
74241	205	226	630	-----	18	6	425	0.3

9633

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number : 1
Total Pages : 1
Certificate Date: 25-JUN-96
Invoice No. : 19621654
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9621654

SAMPLE	PREP CODE		Zn %
74247	244	--	1.57

CERTIFICATION:

APPENDIX V

EXPLORATION DATA

DOWN-HOLE PULSE EM DATA

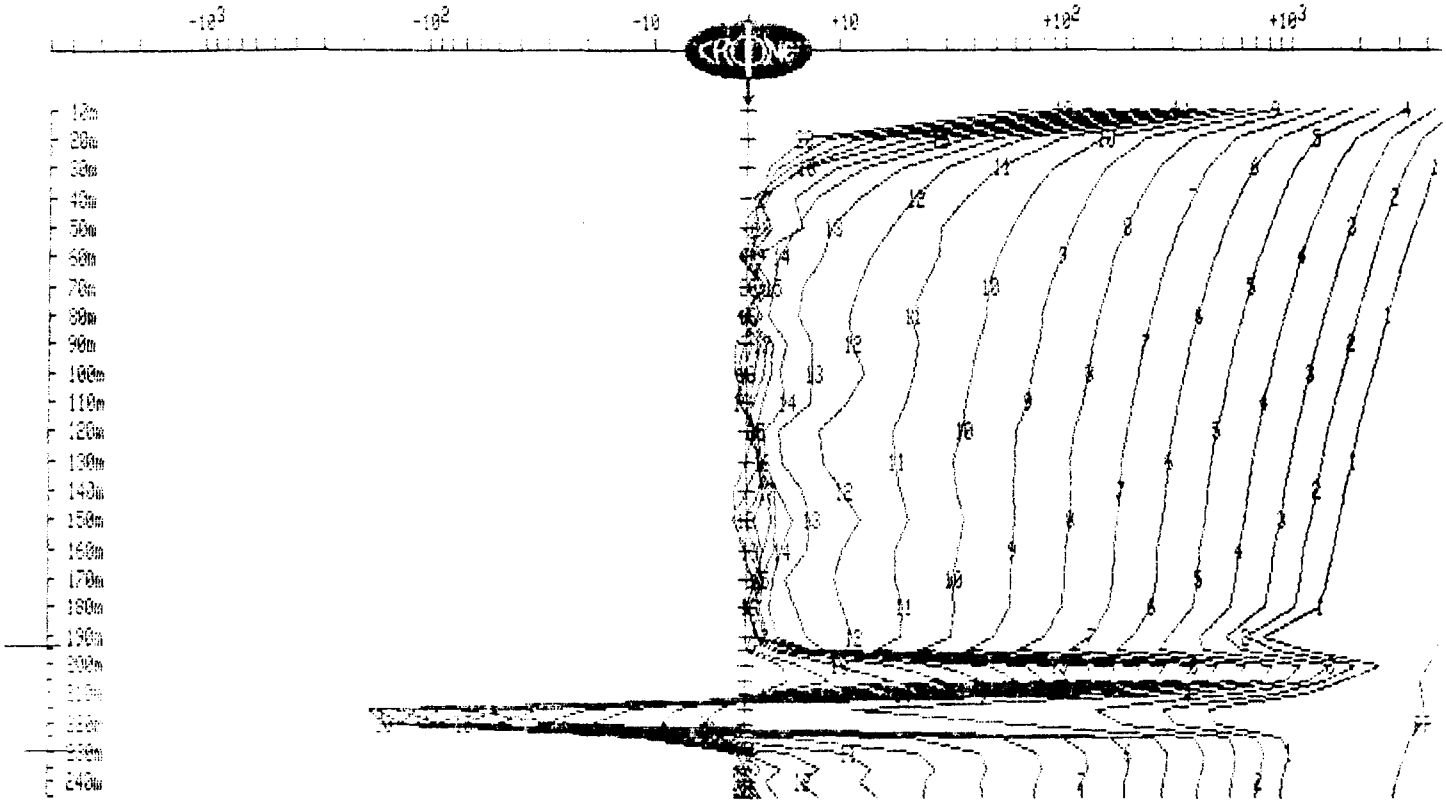
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-34
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 19, 1996	File name	: NR9634Z.PEM

Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



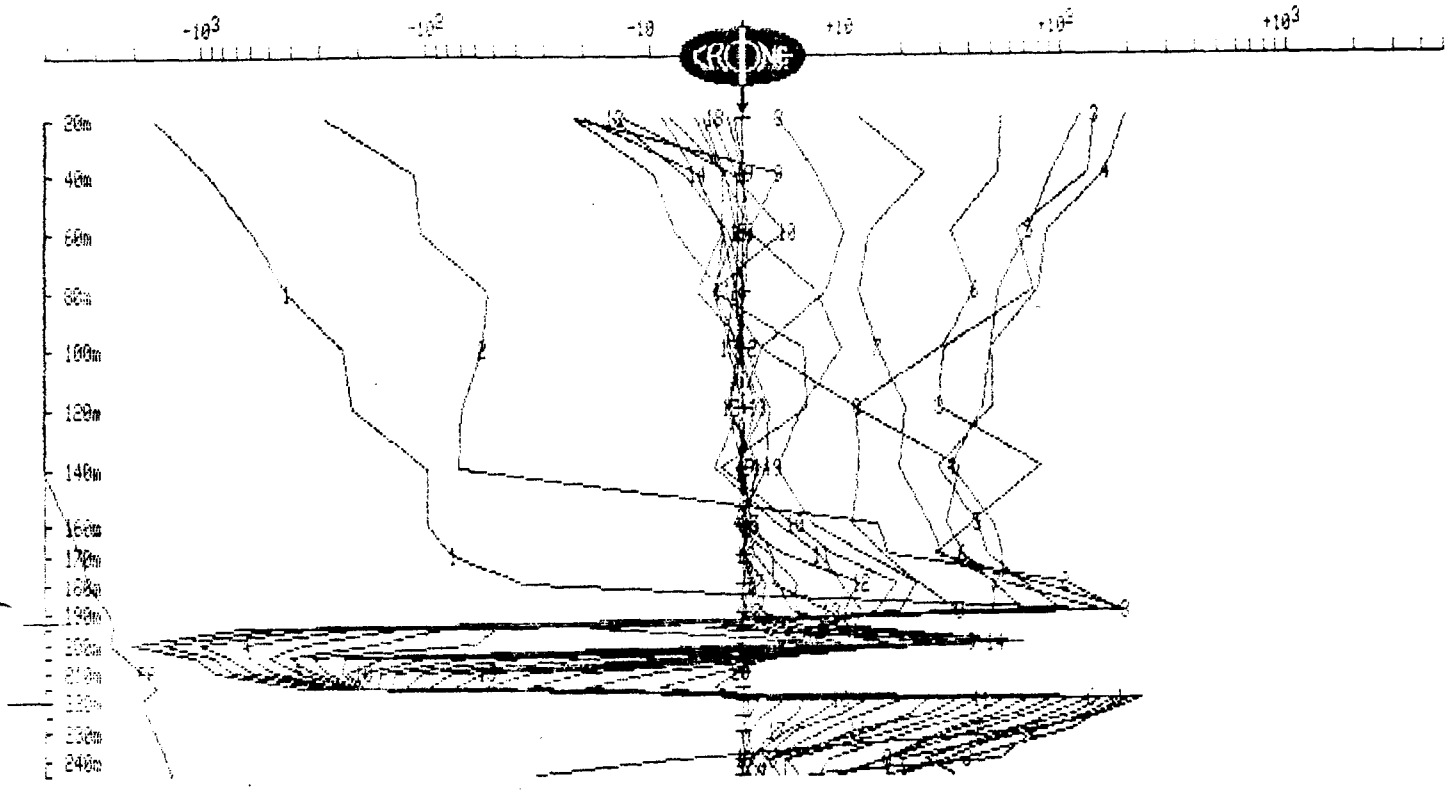
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-34
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 19, 1996	File name	: NR9634XY.PEM

Data Corrected for Probe Rotation using Orientation Tool #15
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



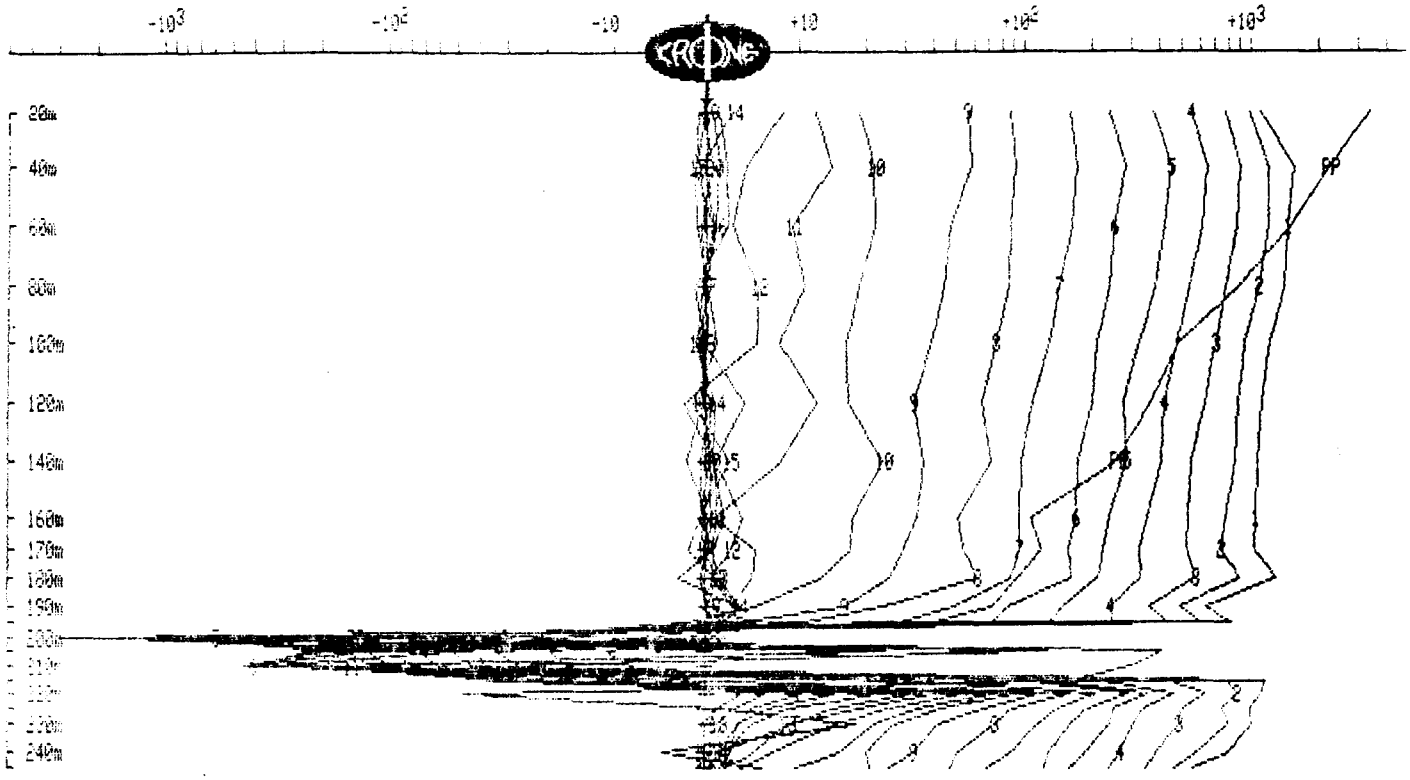
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-34
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 19, 1996	File name	: NR9634XY.PEM

Data Corrected for Probe Rotation using Orientation Tool #15
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



CRONE GEOPHYSICS & EXPLORATION LTD.

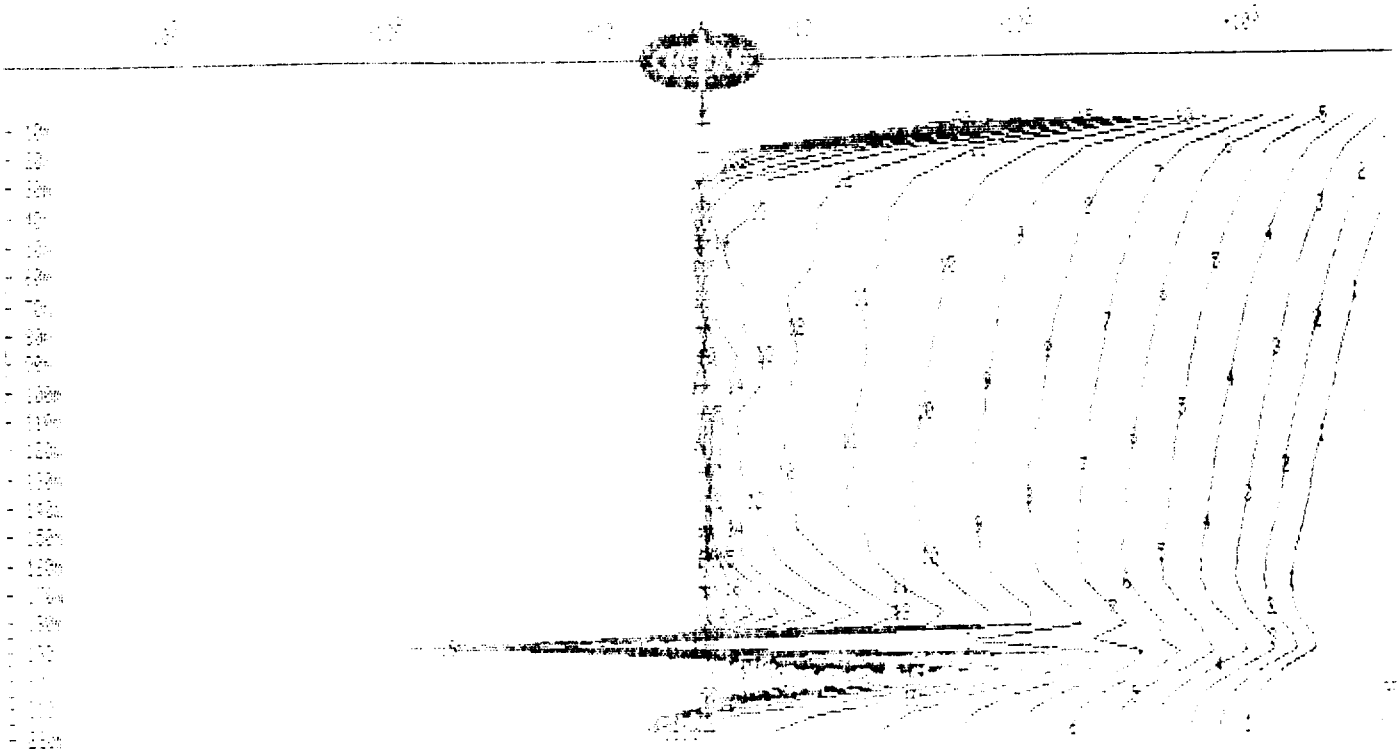
BOREHOLE PEM

Client : NUINSCO RESOURCES LTD.
Grid : RAINY RIVER
Date : June 20, 1996

Hole : NR-96-35
Tx Loop : #1
File name : NR9635Z.PEM

Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



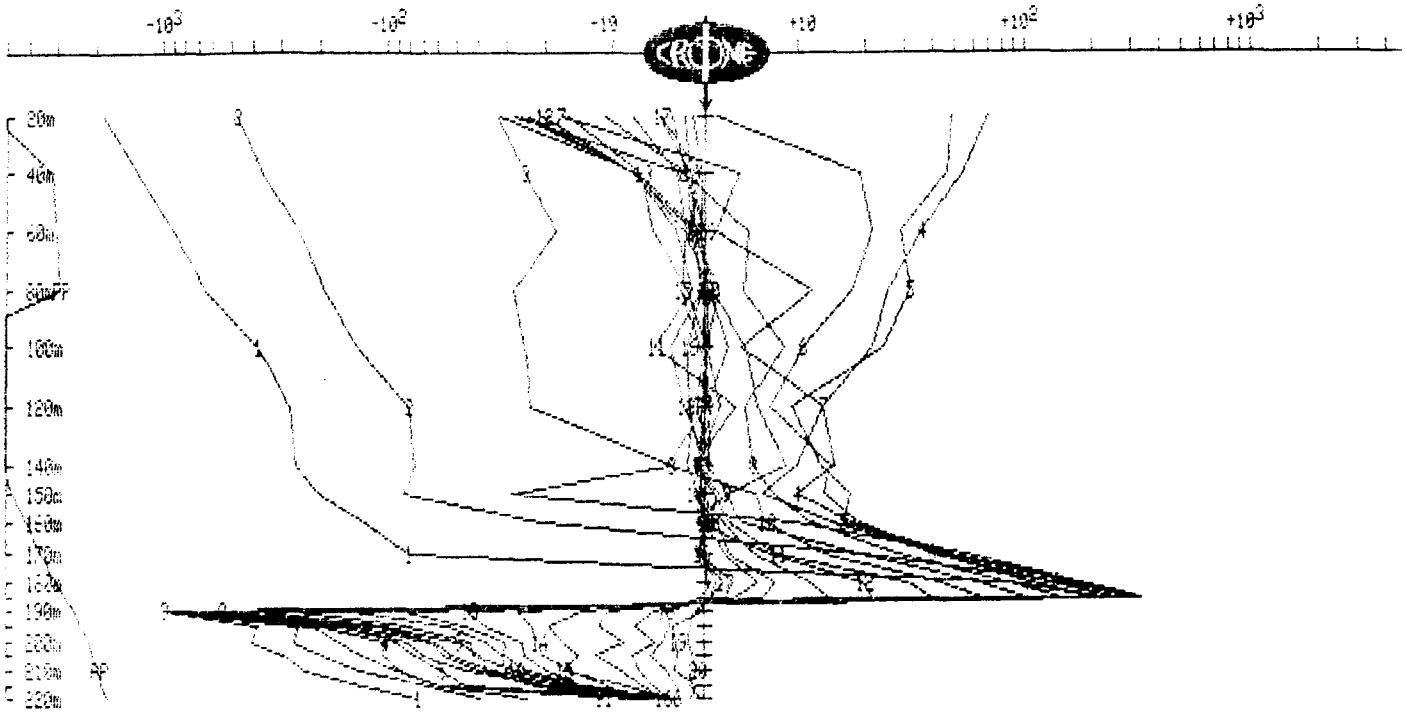
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-35
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 20, 1996	File name	: NR9635XY.PEM

Data Corrected for Probe Rotation using Orientation Tool #15
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



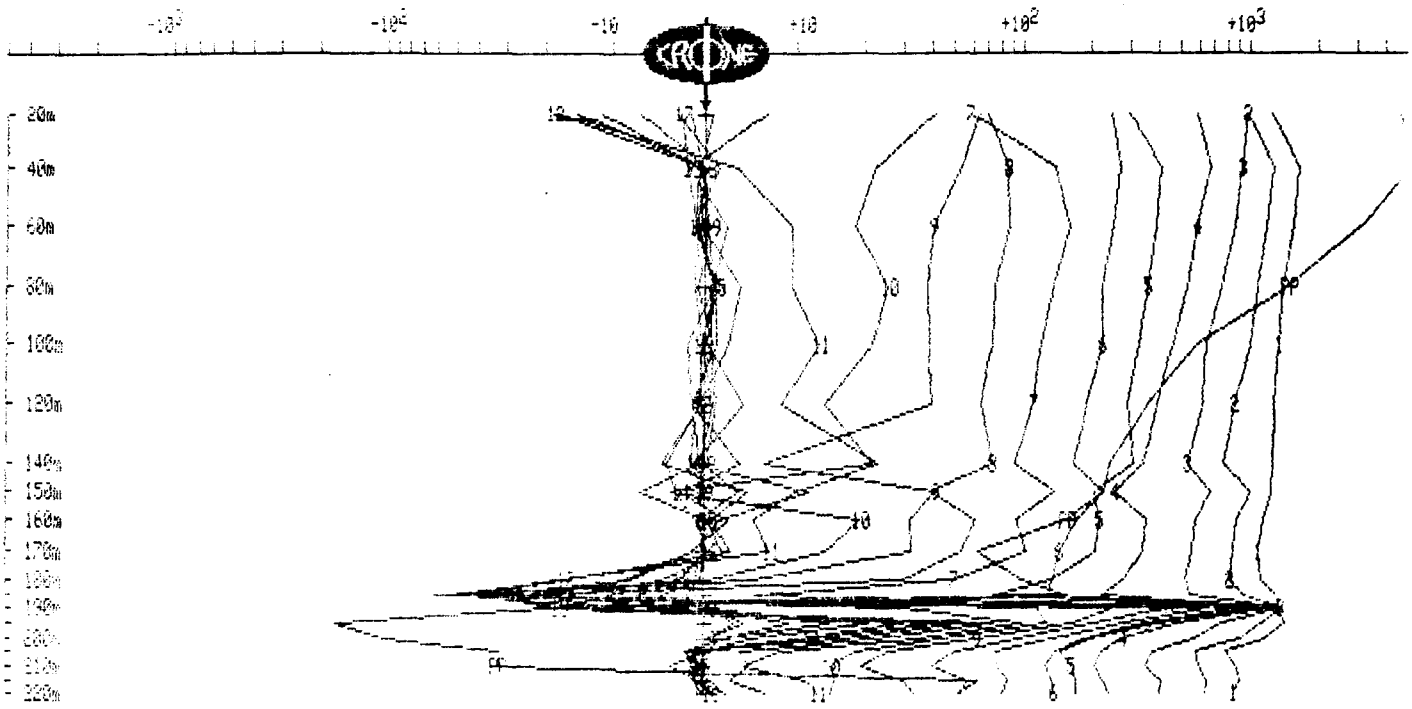
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-35
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 20, 1996	File name	: NR9635XY.PEM

Data Corrected for Probe Rotation using Orientation Tool #15
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



0085

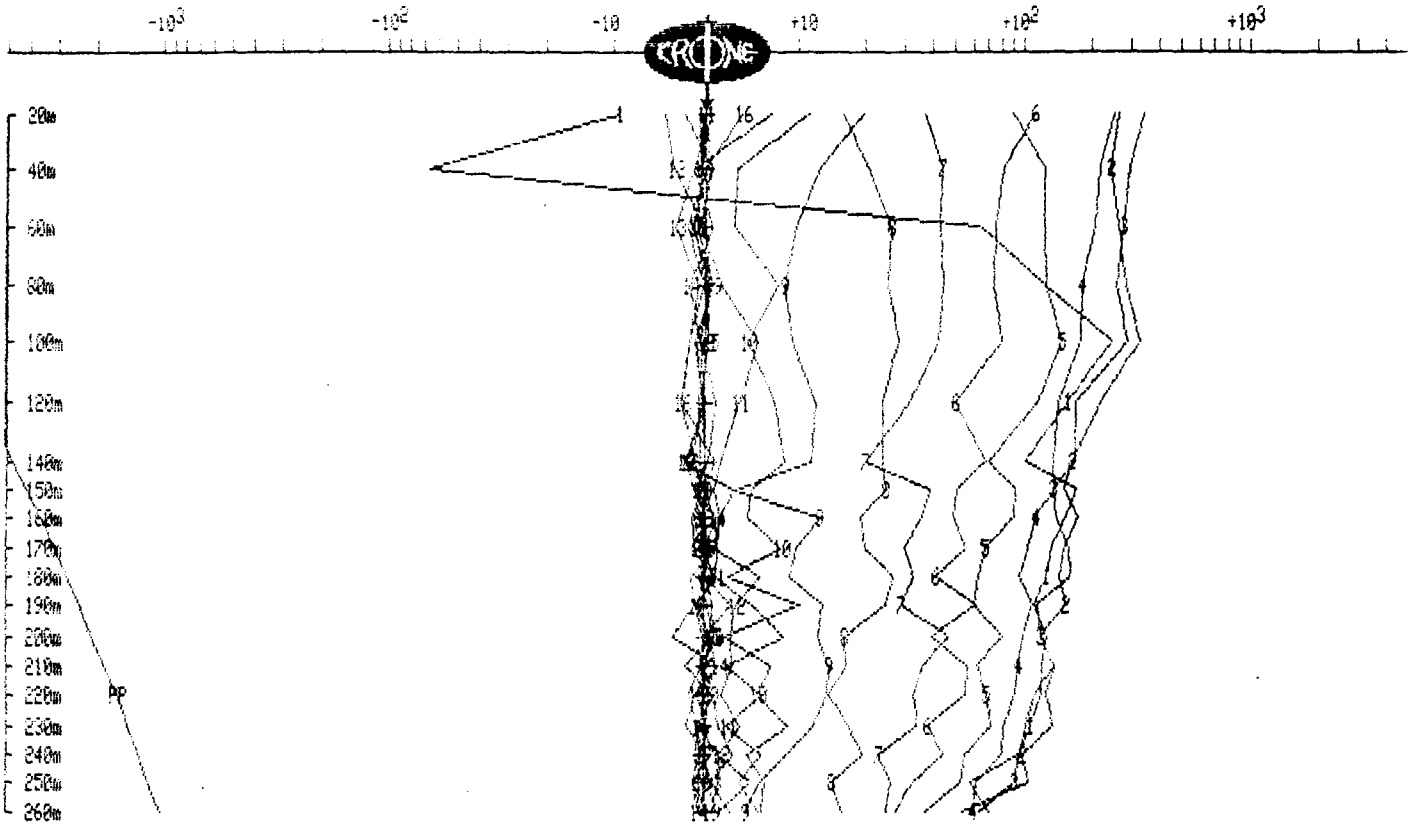
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-38
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 19, 1996	File name	: NR9638XY.PEM

Data Corrected for Probe Rotation using Orientation Tool #15
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



2-18088

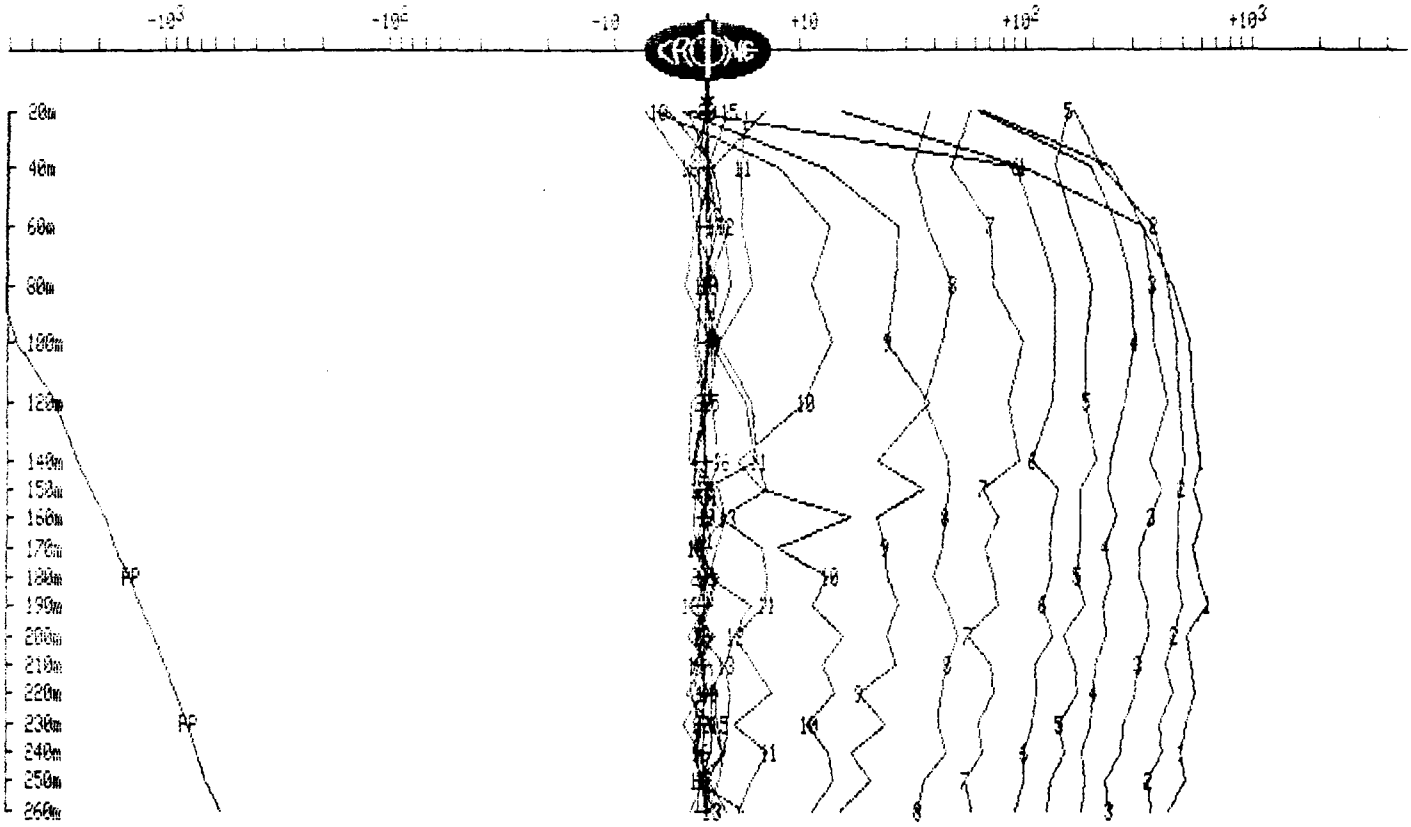
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-38
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 19, 1996	File name	: NR9638XY.PEM

Data Corrected for Probe Rotation using Orientation Tool #15
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



2-18085

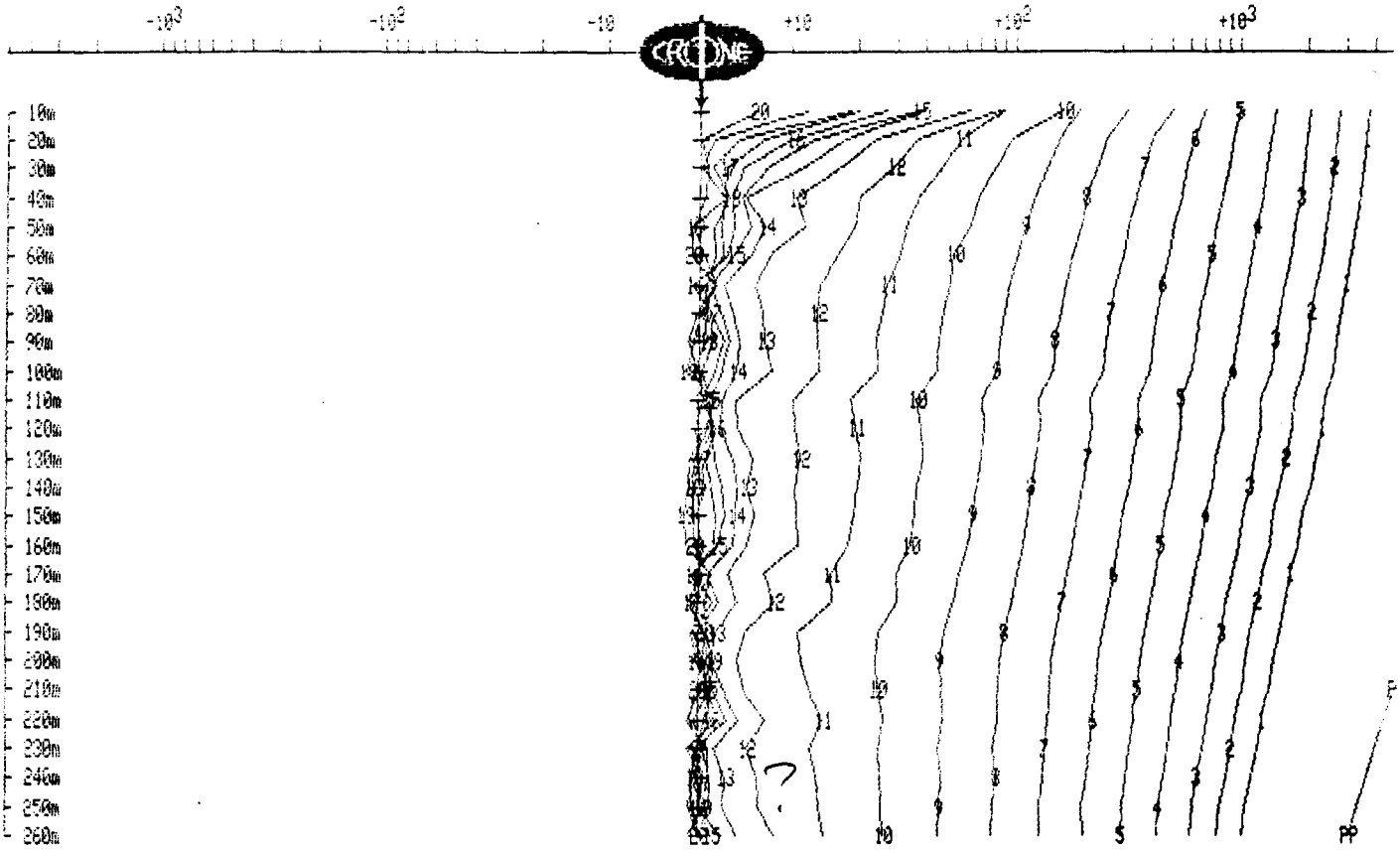
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: NUINSCO RESOURCES LTD.	Hole	: NR-96-38
Grid	: RAINY RIVER	Tx Loop	: #1
Date	: June 19, 1996	File name	: NR9638Z.PEM

Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

Scale: 1:2500



2.18085

MAP POCKET

EXPLORATION DATA

CROSS SECTIONS
DIAMOND DRILL PLAN MAP

Richardson Township Project

(June/July 1996, Diamond Drilling)

Rainy River District
Kenora Mining Division
N.T.S. 52 C/13 and 52D/16

MAP POCKET

EXPLORATION DATA

CROSS SECTIONS
DIAMOND DRILL PLAN MAP

Richardson Township Project

(June/July 1996, Diamond Drilling)

Rainy River District
Kenora Mining Division
N.T.S. 52 C/13 and 52D/16

NUINSCO RESOURCES LIMITED

Richardson Township Project

(June/July 1996, Diamond Drilling)

Rainy River District
Kenora Mining Division
N.T.S. 52 C/13 and 52D/16

Paul Jones
Project Geologist

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
W9710.00325
Assessment Files Research Imaging

Personal information collected on this Mining Act, the information is a public Questions about this collection sho 933 Ramsey Lake Road, Sudbury, Or

52D16SE2002 2.18085 RICHARDSON

900

ng Act. Under section 8 of the nd with the mining land holder. pment and Mines, 6th Floor,

PROVINCIAL RECORDING SUDBURY RECEIVED

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

2.18085

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

Name	Client Number
NUINSCO RESOURCES LIMITED	176866
Address	**Telephone Number**
908 THE EAST MALL	416 6260470
ETOBICOKE ON M9B6K2	Fax Number 416 6260890
Name	**Client Number**
Address	**Telephone Number**
	Fax Number

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

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

Work Type	Office Use
Pdrill, EM(PULSE)	Commodity
	Total $ Value of Work Claimed 365,716.00
Dates Work Performed From 29 (Day) 5 (Month) 96 (Year) To 22 (Day) 7 (Month) 96 (Year)	NTS Reference
Global Positioning System Data (if available) Township/Area RICHARDSON	Mining Division Kenora
M or G-Plan Number M2115	Resident Geologist District Kenora

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

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

Name	Telephone Number
PAUL JONES	(807) 482-1102
Address	**Fax Number**
RR 2 EMO ON P0W1E0	(807) 482-1328
Name	**Telephone Number**
Address	**Fax Number**
Name	**Telephone Number**
Address	**Fax Number**

RECEIVED
AUG 21 1997
9:40 AM
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

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

Signature of Recorded Holder or Agent	Date
Paul Jones	AUG 8/97
Agent's Address	**Telephone Number** / **Fax Number**
RR2 EMO P0W1E0	807 482-1102 / 807-482-1328

Not a recorded claim

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

W.9710.00325

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	**Number of Claim Units.** For other mining land, list hectares.	**Value of work performed** on this claim or other mining land.	**Value of work applied** to this claim.	**Value of work assigned** to other mining claims.	**Bank.** Value of work to be distributed at a future date.
eg	TB 7827	16 ha	$26, 825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8, 892	$ 4,000	0	$4,892
1	PARCEL 5939	62.36	110,000			110,000
2	LOT 5, N½ CON 1					
3	PARCEL 5614	63.94	255,716			255,716
4	LOTS, S½ CON 1					
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
		Column Totals	365,716			365,716

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

Signature of Recorded Holder or Agent Authorized in Writing	Date
Paul Jones	AUG 8/97

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

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

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

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

For Office Use Only

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

Table 3

W.9710.00325

EXPLORATION EXPENDITURES

Direct Diamond Drilling Costs:

(i) Drilling (Bradly Brothers)		16,199.00	
		88,987.50	
		44,268.38	
		66,857.83	
		20,517.82	
		236,830.53	236,830.53
(ii) Assays (Assayers)	792 samples @ $23/sample		18,216.00
(iii) Sperry Sun Instrument (rental)		1,777.84	
Down-Hole Geophysics (Gerald Lambert)		3,392.00	
Crone bore-hole PEM survey equip.		27,057.51	
		32,227.25	32,227.35
Sub-total:			$287,273

Personnel & Field Costs:

G. Archibald (V.P. Exploration), on-site work	15,025	
P. Jones (Project Geologist)	12,000	
C. Wagg (Geologist)	7,828	
O. Burnell (Core Grabber)	4,862	
Maya Cambell (drafting/computer)	2,970	
D. Engelhrecht (technician)	7,295	49,980
Camp expenses	3,690.39	
Personnel expenses (food etc.)	12,908.64	
Truck rentals $550 x 2 for 2 months	2,200	
Gasoline	1,412.68	
Core trays	3,133.14	
Core racks	2,511.53	
Blue printing	202.50	
House (camp) rental	1,400	
Phone	1,004.78	28,463
Sub-total		78,443

Total Exploration Costs = $365,716 or $111.80/metre

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

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

Telephone: (888) 415-9846
Fax: (705) 670-5881

February 11, 1998

NUINSCO RESOURCES LIMITED
908 The East Mall
ETOBICOKE, ONTARIO
M9B-6K2

Dear Sir or Madam:

Submission Number: 2.18085

Subject: Transaction Number(s):		**Status**
	W9710.00325	Deemed Approval

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

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

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

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gatesb2@epo.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 11893
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18085

Date Correspondence Sent: February 11, 1998 **Assessor:** Bruce Gates

General Comment:
Please note that future downhole geophysical submissions require a report as per section 11 and maps that show the holes surveyed and loop locations.

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9710.00325	Parcel 5939	RICHARDSON	Deemed Approval	November 18, 1997

Section:
16 Drilling PDRILL
18 Other DHGEO

Correspondence to:
Resident Geologist
Kenora, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):
Paul Jones
ENO, ONTARIO

NUINSCO RESOURCES LIMITED
ETOBICOKE, ONTARIO

Correspondence ID: 11893