Nuinsco
RESOURCES LIMITED

010

908 The East Mall
Etobicoke, ON M9B 6K2

Tel: (416) 626-0470
Fax: (416) 626-0890

NUINSCO RESOURCES LIMITED

Rainy River Project
Richardson Township

(August – December 1996 Diamond Drilling)

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

Paul Pitman
Consulting Geologist
November, 1997

Field Office: Box 306 Nestor Falls ON P0X 1K0

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Pocket

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RICHARDSON TOWNSHIP PROJECT

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

1.0 INTRODUCTION

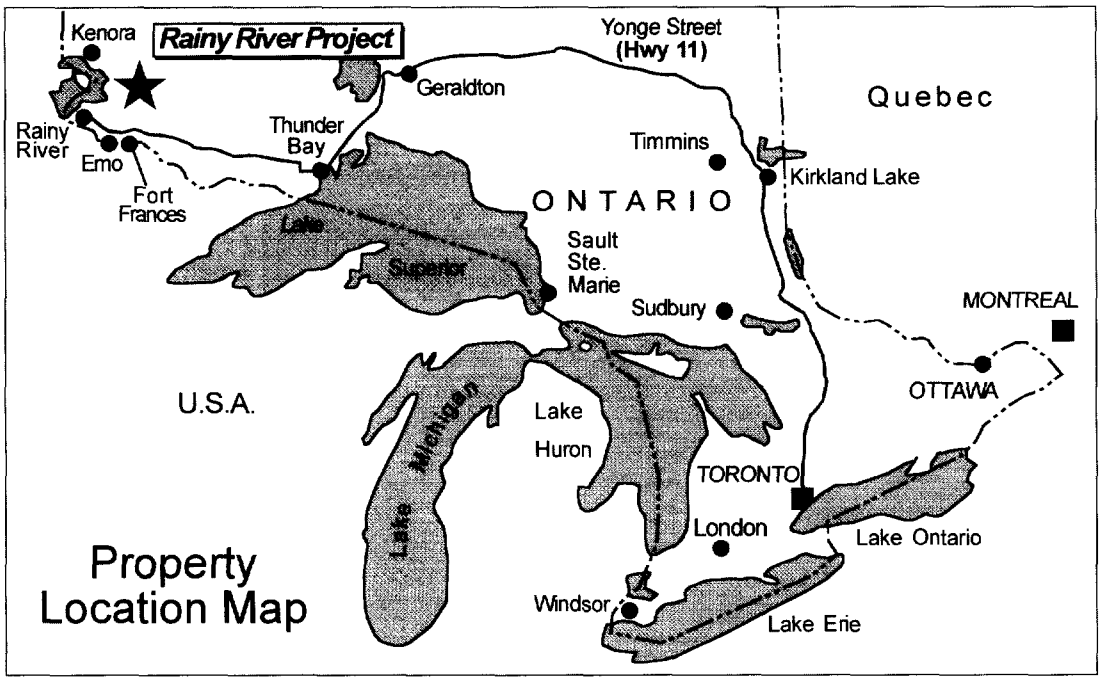
This report describes the results of one component of the Nuinsco exploration program, namely diamond drilling that was carried out in Richardson Township from August 8 – December 12, 1996. This drilling comprises drill holes NR-96-46 through to 67 inclusive for a total of 4,172.11m. The holes were drilled to test diverse mineralized targets and stratigraphy in south Richardson Township. 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 (see figure). The staked ground and optioned patents are 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 Company's land position is located in the townships of Senn, Menary, Potts, Richardson, Tait, Sifton, Pattullo, Nelles, Blue, Pratt, 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.



Starting at Queen Street in Toronto, where Yonge Street originally began, you can travel into history by heading north past old mills, played-out mines and ghost towns on the way to Rainy River, where Canada's great street ends after stretching 1,896 kilometres.

Regional Location Map

Figure 1

3.0 PHYSIOGRAPHY

The Rainy River region is located within the Severn Upland of the Canadian Shield. 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.

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. 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 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.

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, 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. 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

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.

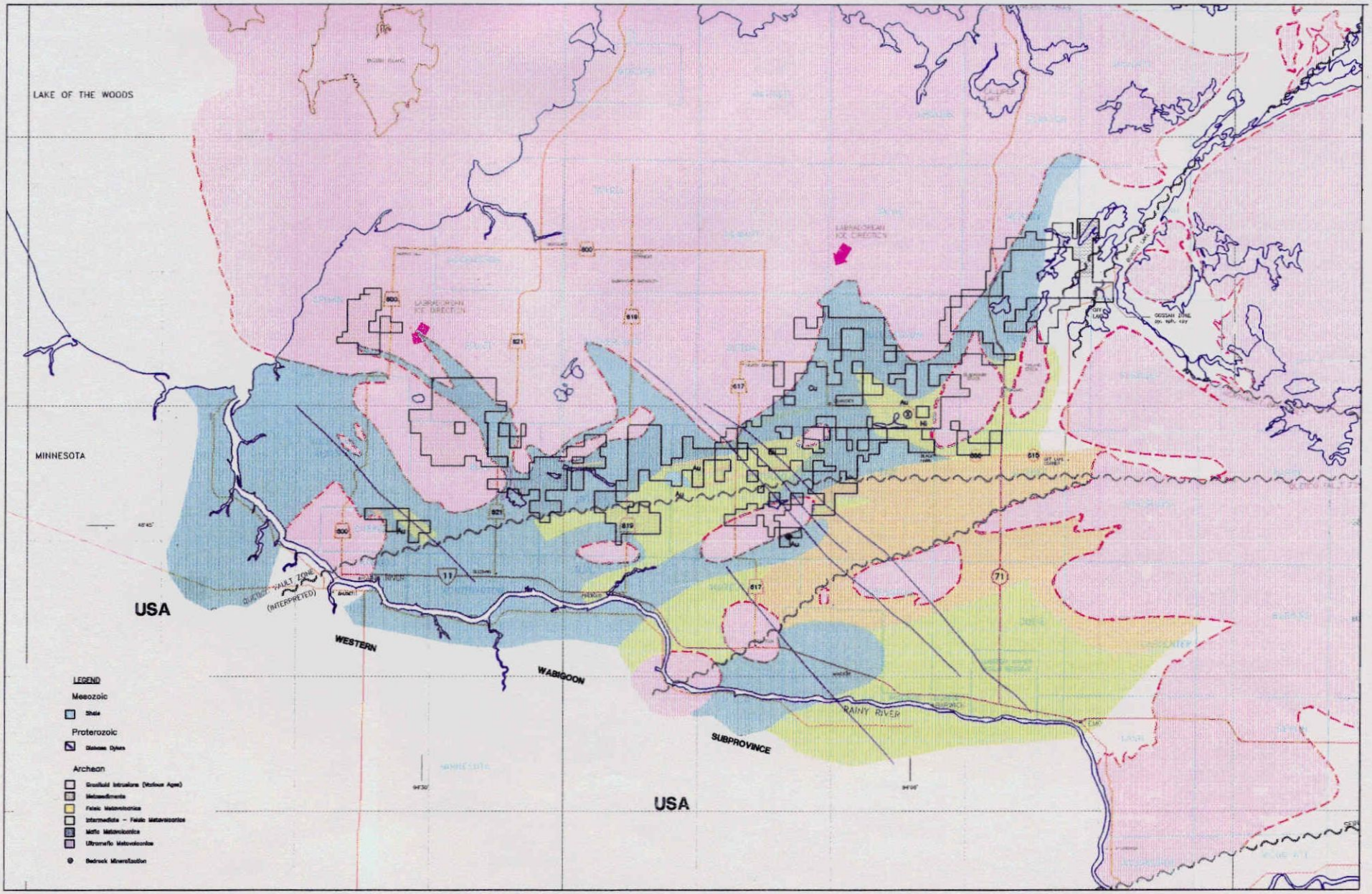
Between the initiation of field work in June, 1993, and the end of 1996 Nuinsco Resources has completed a Landsat linear study; local I.P., magnetometer, horizontal loop E.M., surface P.E.M., borehole P.E.M. surveys as well as additional interpretation of selected parts of the 1990 government sponsored 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 550 holes in total; diamond drilling in Menary, Senn and Richardson townships comprising 115 drill holes (26,275 meters).

This report summarizes a portion of the exploration work, namely diamond drilling, which was carried out from early August to the end of 1996 drilling program in December.

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 and assay results. All of the work was carried out on patented lands in Richardson Township under option to Nuinsco Resources. Property boundary locations are included on the drill hole location map in the pocket included with this report. The patents on which work was conducted are listed below and detailed again in the Appendix. The Company is maintaining all options in good standing.



Land Position Map

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

Township	Lot No.	Concession	Drill Holes
Richardson	N1/2, Lot 5	I	all holes save 2
Richardson	E1/2, Lot 6	I	NR-49,56

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.

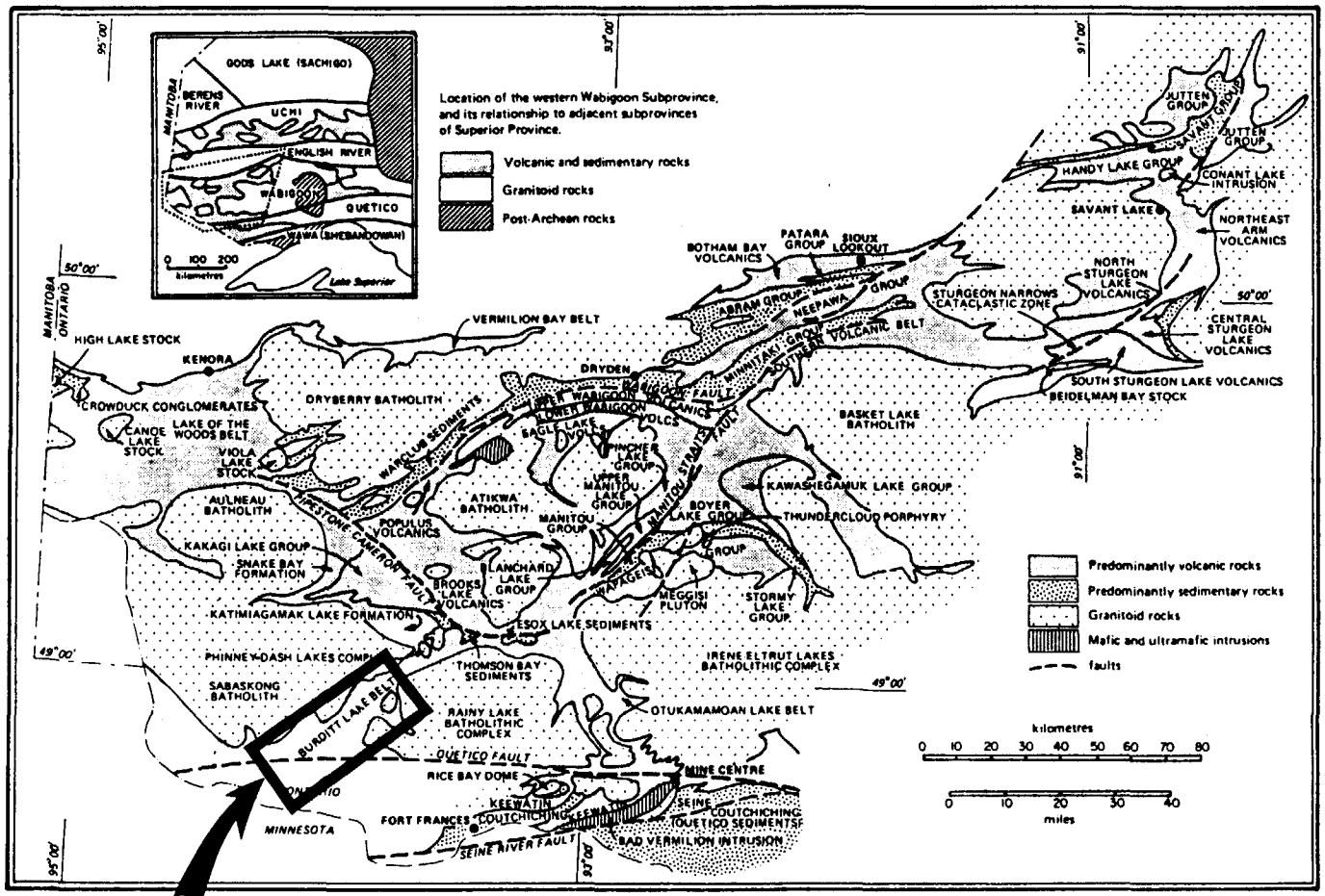
The region has been the subject of several Ontario Department of Mines - Ontario Geological Survey mapping programs (see below) from which much of the geological descriptions are excerpted;

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 and the 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 although none thus far appear to be mineralized.

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.

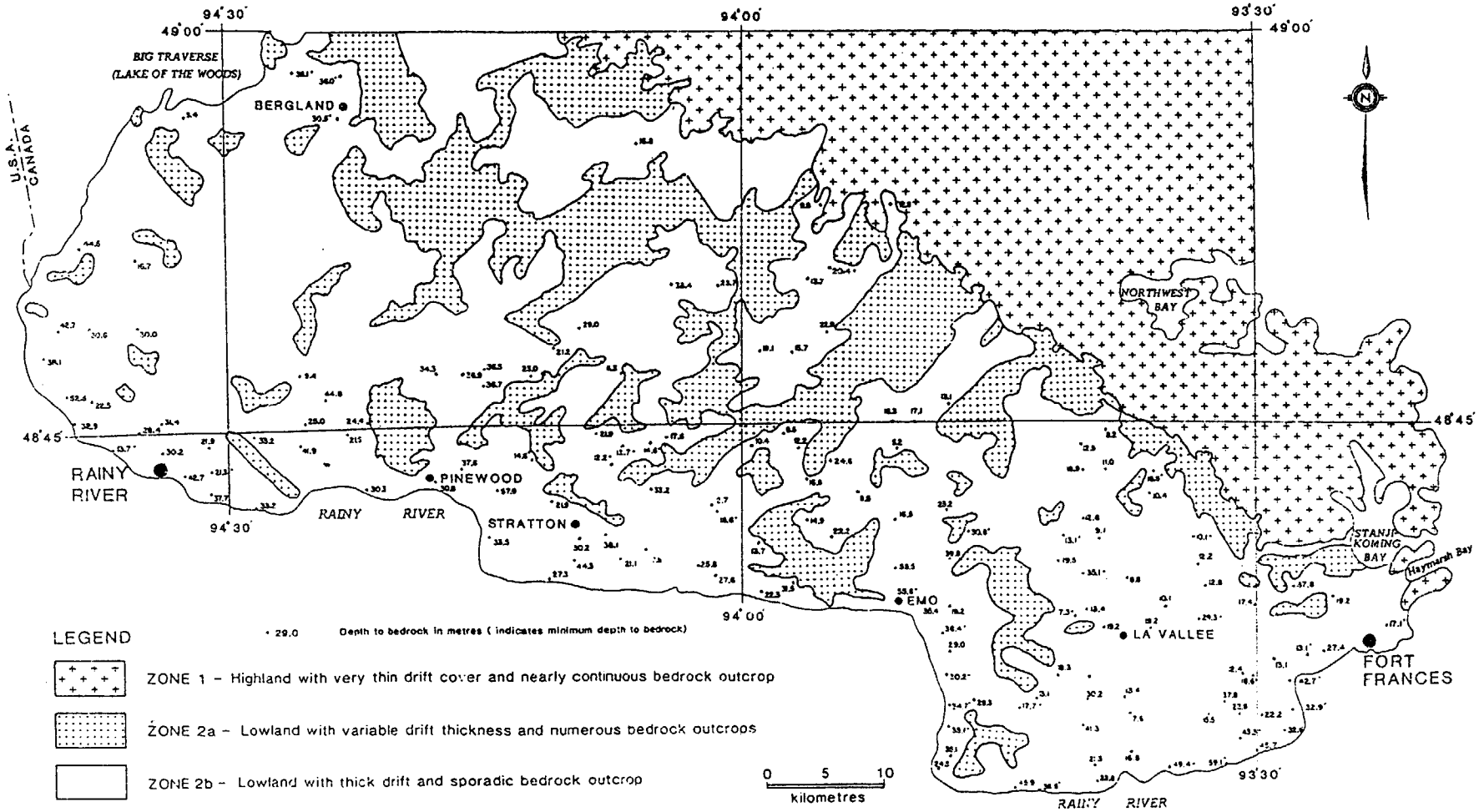


Figure 4 Physiography of the Rainy River District (Bajc, 1991)

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.

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 350m 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-96-31,51 and 65 (see below).

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	0.760	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	0.760	1.93	2.16	5.47

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 August – mid December 1996 DIAMOND DRILLING

The report describes the results of diamond drill holes NR-96-46 to 67 drilled during the months from August 4 through to December 12, 1996. During this period a total of 4,172.11m of core was recovered.

One drilling contractor was engaged during this portion of the 1996 fall program; Ultra Mobile Diamond Drilling of Surrey, British Columbia. Drill hole data is tabulated in tables 4 and 5 (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-96-51 and 65:

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. In this report holes 51 and 65 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.

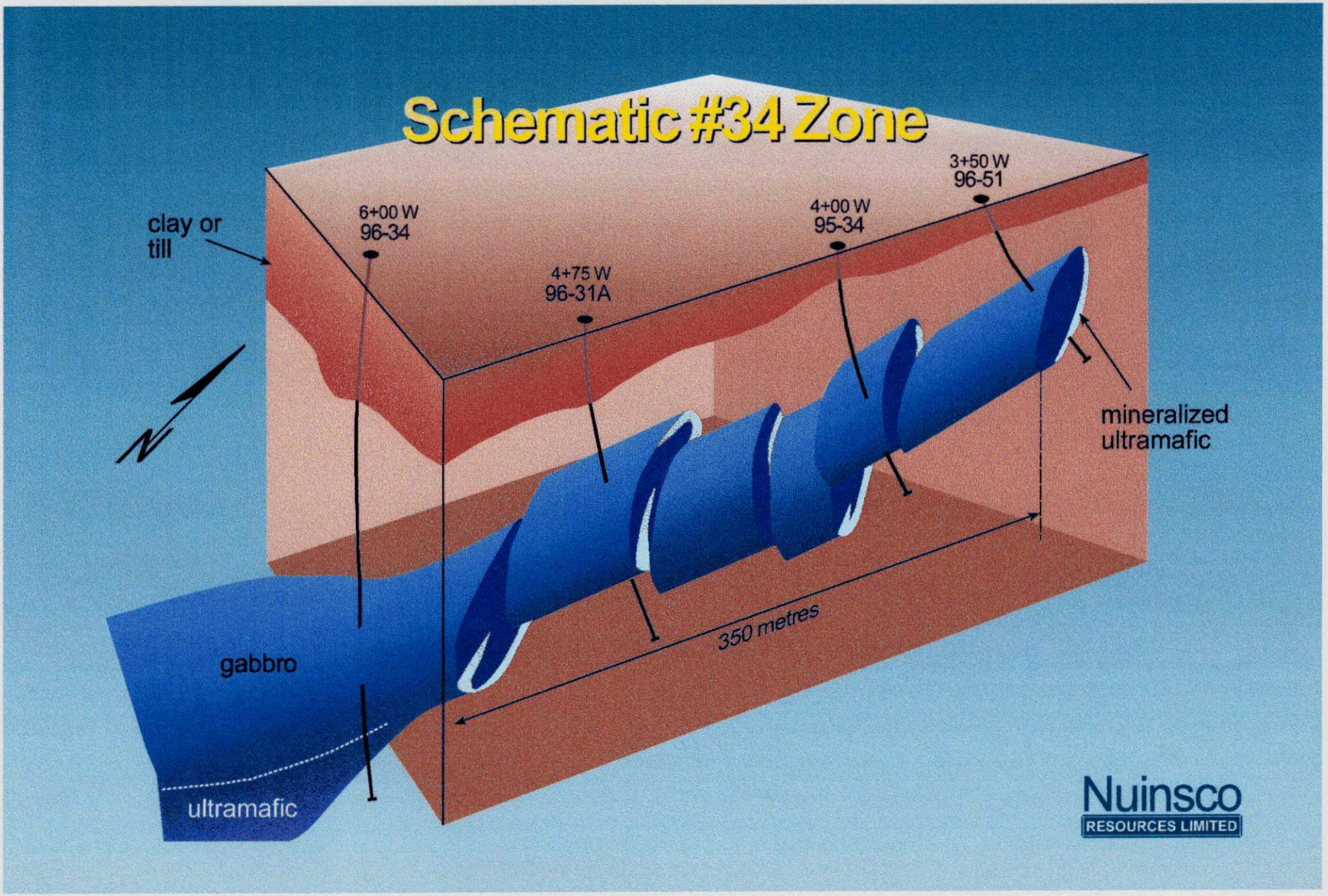

Schematic #34 Zone
clay or till
6+00 W
96-34
4+75 W
96-31A
4+00 W
95-34
3+50 W
96-51
mineralized ultramafic
350 metres
gabbro
ultramafic
Nuinsco
RESOURCES LIMITED

Fig 5

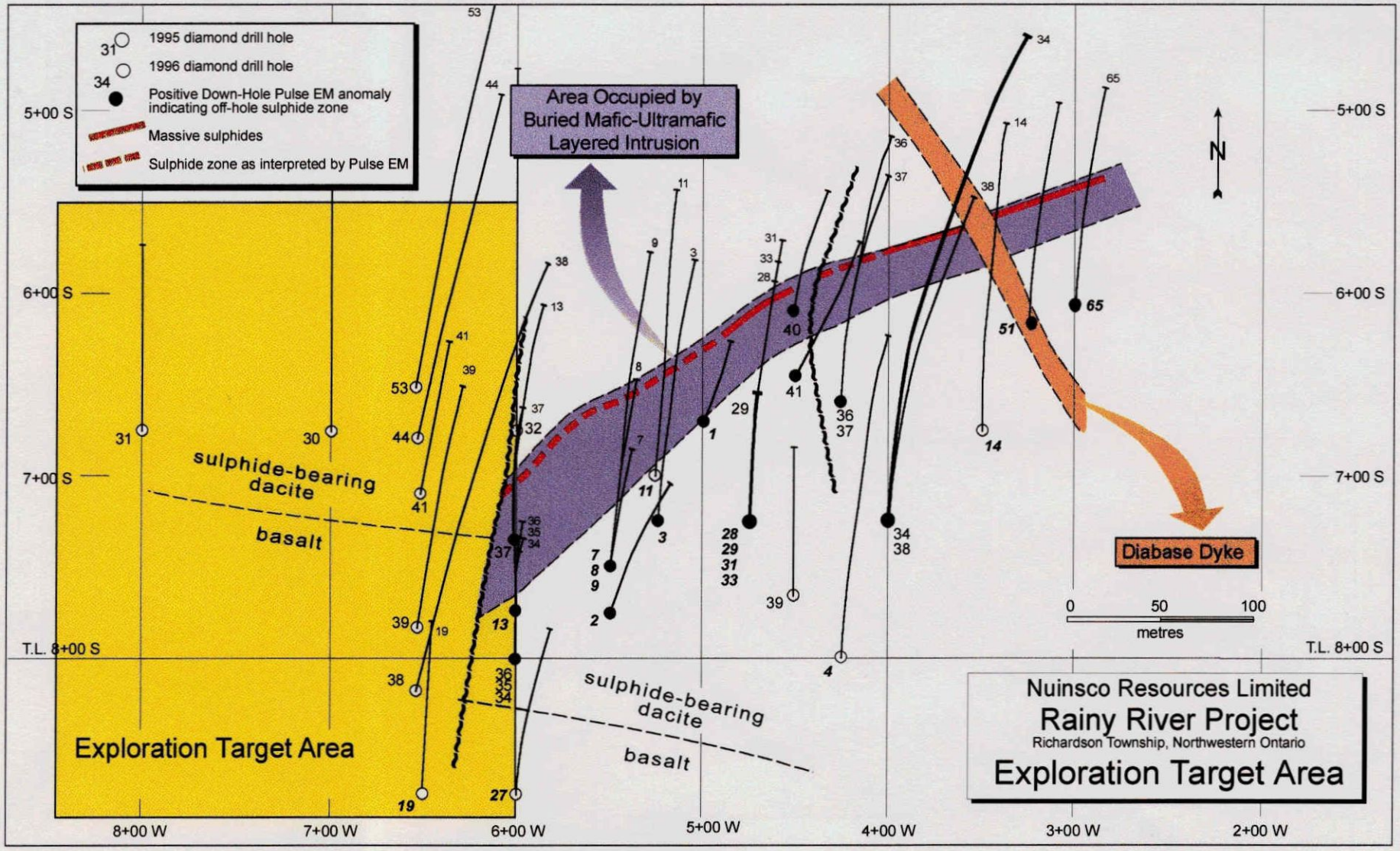

1995 diamond drill hole
1996 diamond drill hole
Positive Down-Hole Pulse EM anomaly indicating off-hole sulphide zone
Massive sulphides
Sulphide zone as interpreted by Pulse EM
Area Occupied by Buried Mafic-Ultramafic Layered Intrusion
sulphide-bearing dacite
basalt
Diabase Dyke
Exploration Target Area
sulphide-bearing dacite
basalt
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

Fig 6

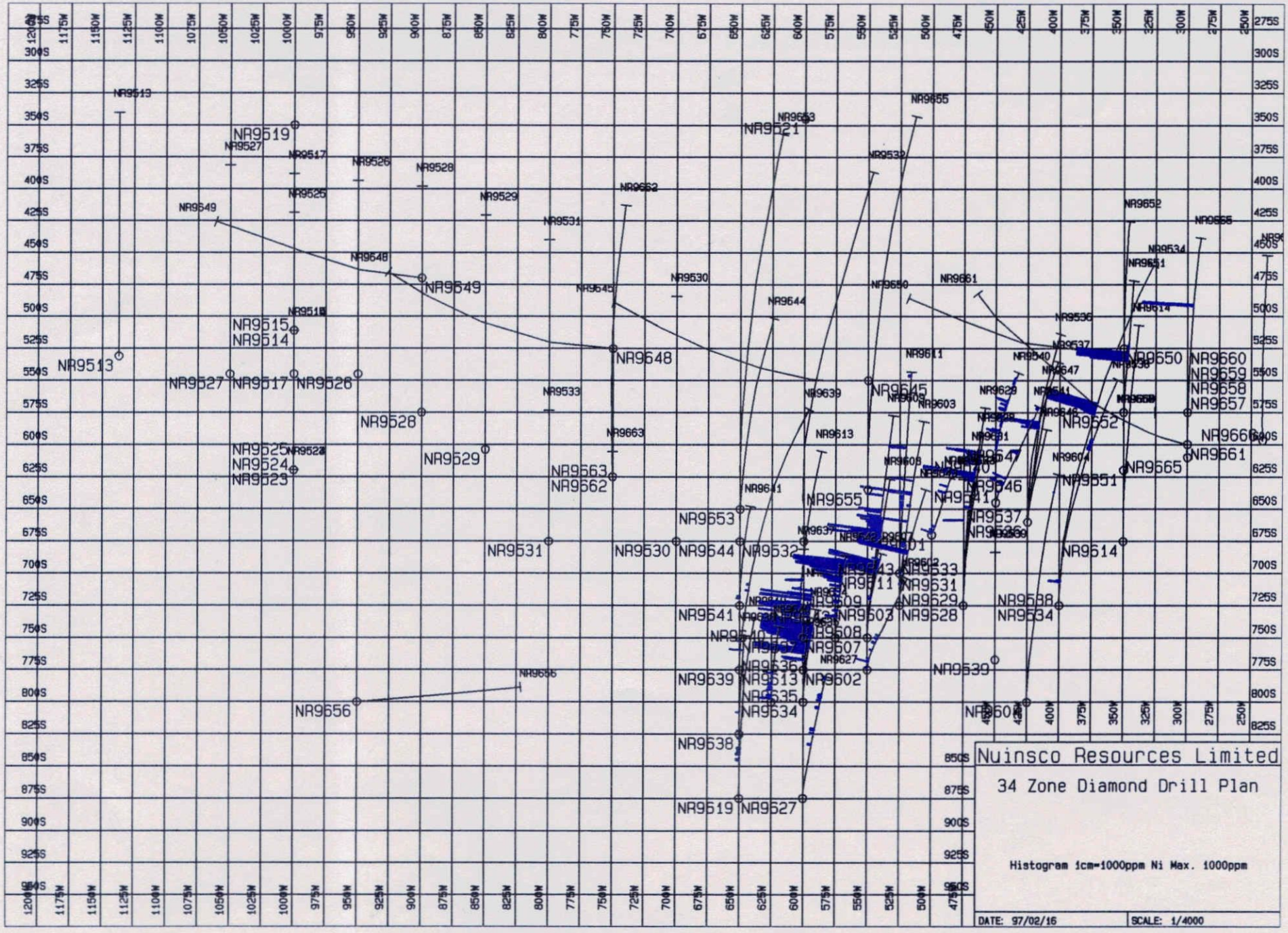

Nuinsco Resources Limited
34 Zone Diamond Drill Plan
Histogram 1cm=1000ppm Ni Max. 1000ppm
DATE: 97/02/16
SCALE: 1/4000

Fig 7

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.

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 values were intersected in NR-51 and 65.

DDH No.	Au g/t	Cu %	Ag g/t	Co %	Ni %	Pt g/t	Pd g/t
NR-96-51	0.55	2.68	32.4	0.760	2.76	3.4	8.05
NR-96-65	0.69	2.18	40.47	0.090	2.94	2.86	7.56

Drill holes NR- 46-50, 52-64 and 66,67:

Twenty 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.

Schematic #17 & #34 Zones

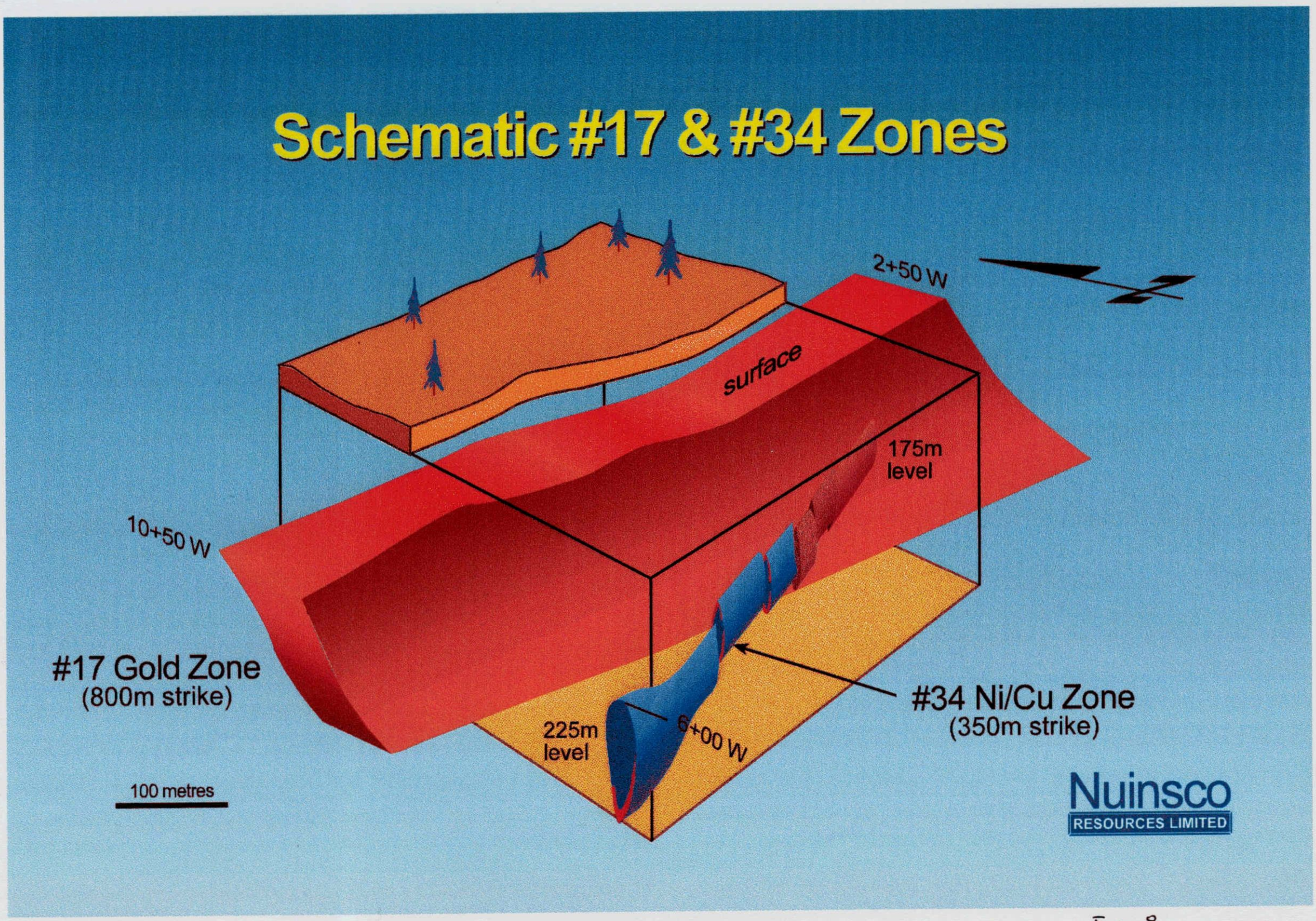


Fig. 8

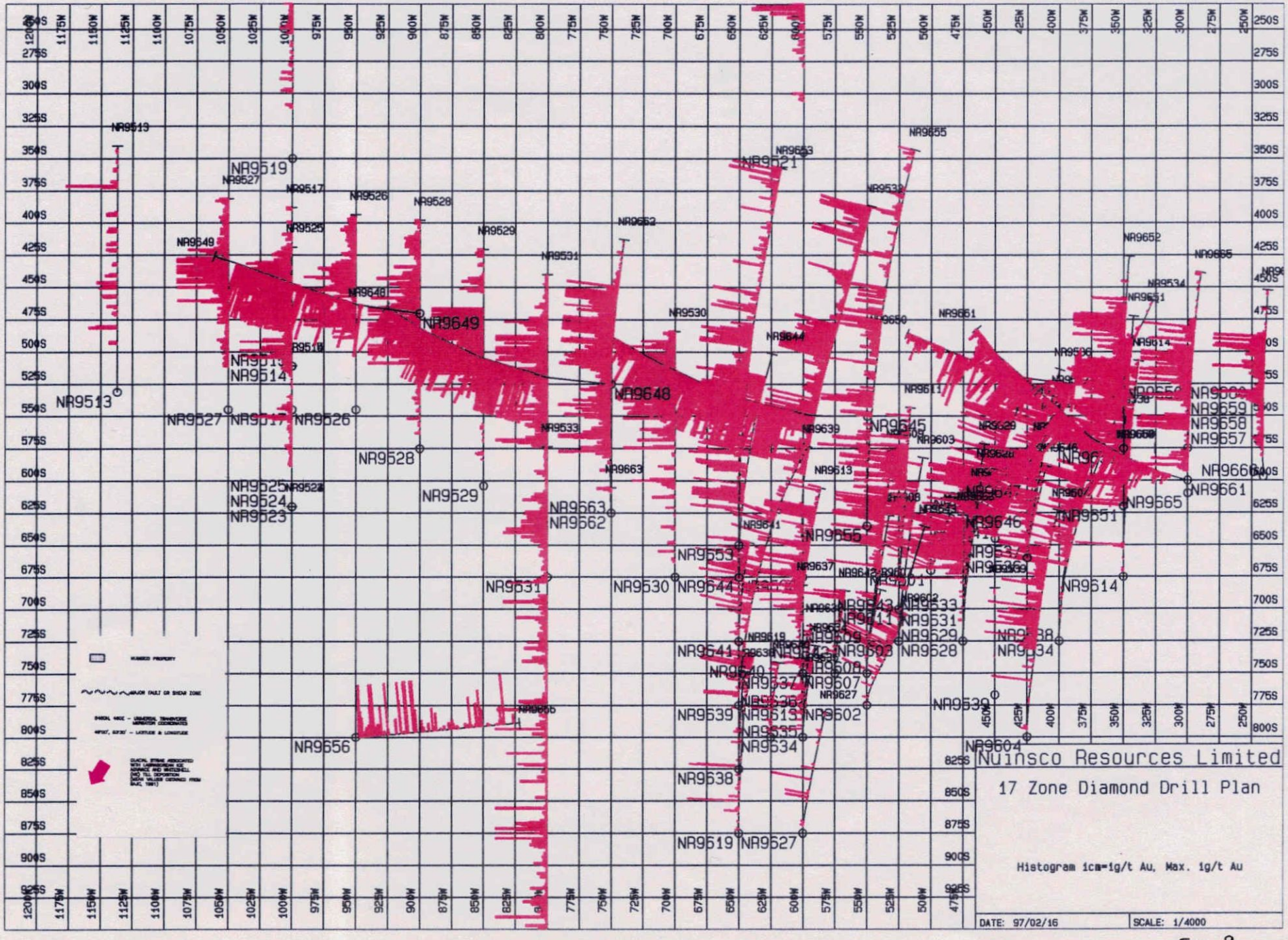

Nuinsco Resources Limited
17 Zone Diamond Drill Plan
Histogram 1cm=1g/t Au, Max. 1g/t Au
DATE: 97/02/16
SCALE: 1/4000

Fig 9

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).

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 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.

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.

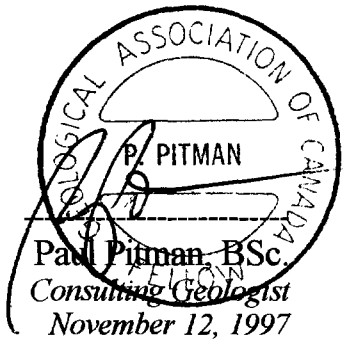
The general character of the sulphide-gold mineralization in the 17 Zone appears to be comprised of two components. The diffuse "background" gold mineralization composed of fine disseminated sulphide and possible conformable bands/beds which will typically return assay values from <100 ppb to several 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. A preferred orientation to this fracture set has yet to be determined

The assay values of the drilled holes are listed on the drill logs appended to the back of this report. The majority of the holes intersected gold values that average about 1 gram/tonne over varying widths. The data generated by the drilling of the #17 Zone was sufficiently developed by the end of the year to produce a 3-D model of the deposit. The computer-generated drawing was created by Bajriti Engineering of Sudbury (see attached sketch next page).

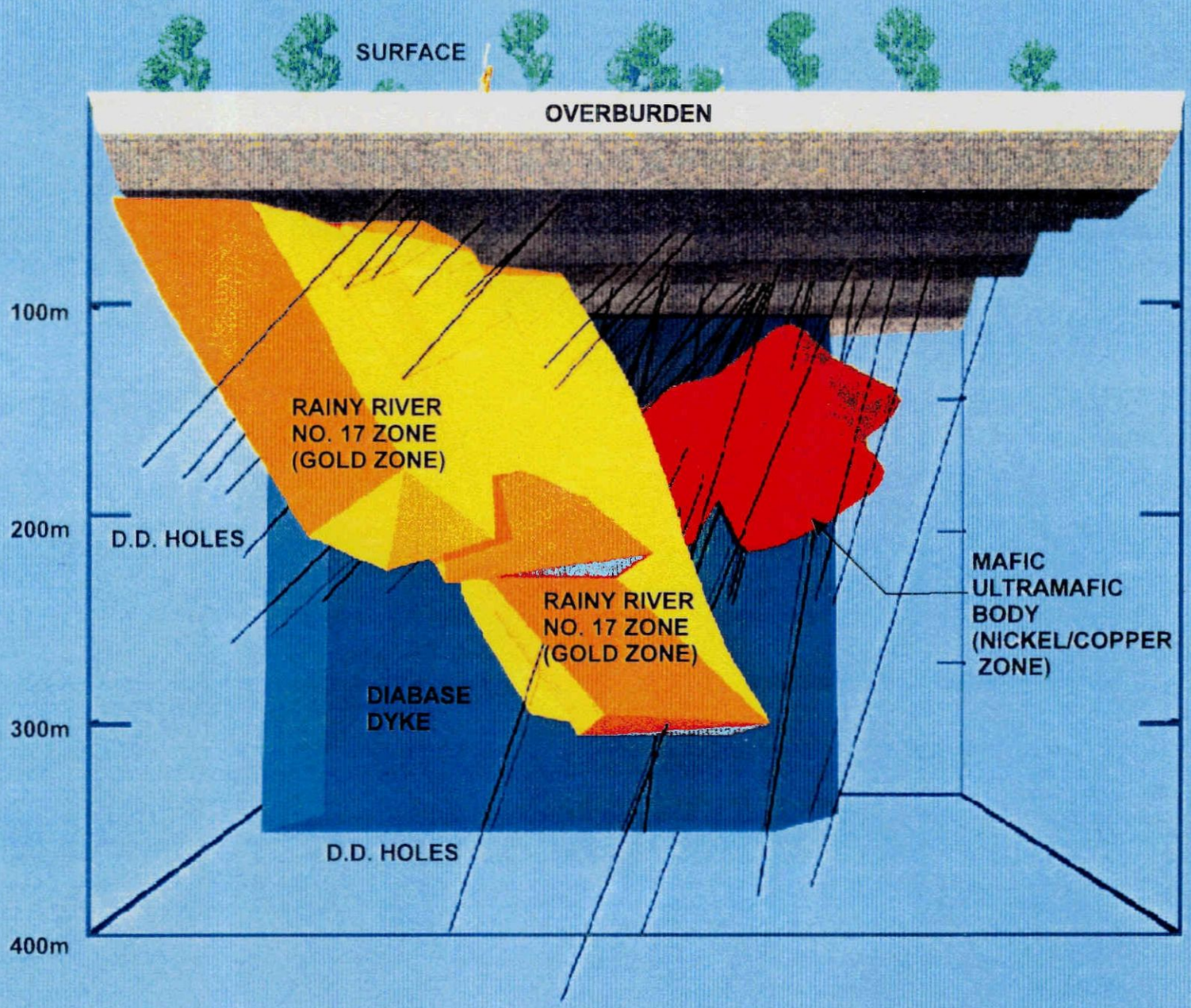
9.0 CONCLUSIONS

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 Pitman, BSc.
Consulting Geologist
November 12, 1997



VIEW LOOKING EAST

Fig 10

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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.

****

P.W. PITMAN
CONSULTING GEOLOGIST

C E R T I F I C A T E

I, Paul Pitman, residing at 51 Isabella Street, Brampton, Ontario, do hereby certify that;

1. I am a Consulting Geologist since 1983.

2. I am a graduate of Carleton University, Ottawa, having received an Honors B.Sc. in Geology in 1969 and have been practicing my profession continuously for over 25 years.

3. I have been a registered Fellow of the Geological Association of Canada since 1981, a period extending over two decades.

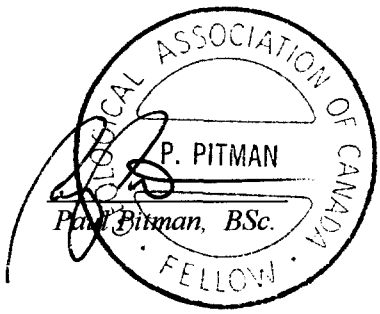
4. I have an indirect equity interest in Nuinsco Resources Limited by way of an option to purchase Nuinsco shares.

5. This report is written from materials obtained from Nuinsco Resources and from first-hand observations of field data.

6. As a consultant under contract to Nunisco Resources I consent to and authorize the use of the attached report and my name.

Dated at Brampton, this 12th day of November, 1997.

***PWP* Consulting Company**
51 Isabella Street
Brampton, Ontario, L6X 1P8
(905) 451-5057 (FAX) 451-5462



Paul Pitman, BSc.

Nuinsco
RESOURCES LIMITED

Nuinsco Resources
Rainy River Project

908 The East Mall
Etobicoke, ON M9B 6K2

Tel: (416) 626-0470
Fax: (416) 626-0890

VOLUME I

EXPLORATION DATA

Rainy River Project
Richardson Township

(August – December 1996 Diamond Drilling)

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

Field Office: Box 306 Nestor Falls ON P0X 1K0

APPENDIX I

SUMMARY TABLE

EXPLORATION EXPENDITURES
STATEMENT OF COSTS

Table 3

EXPLORATION EXPENDITURES

(A) Direct Diamond Drilling Costs:

(i) Drilling (Ultra Mobile)

DDH 46	11,614	DDH 54-56	35,555
DDH 47	16,812	DDH 57-60	26,846
DDH 48	17,400	DDH 61-62	38,903
DDH 49	13,885	DDH 63-64	23,113
DDH 50	46,172	DDH 65	14,525
DDH 51	16,525	DDH 66	16,576
DDH 52	14,600	DDH 67	15,067
DDH 53	5,313		
			$ 312,906

(ii)	Bradley Bros. (Casing)	$21,422
(ii)	Downhole Surveying	
	Crone Geophysics	50,421.43
	Sperry Sun Rental	6,609.08
(iii)	Assaying; 1,500 samples @ $23/sample	34,500.00
(iv)	Core Saw	1,391.25
	Core Racks	1,633.62
	Core Trays	3,543.45
	Total Direct Drilling Costs	**$432,426.83**

(B) Geological Expenditures:

G. Archibald (V.P. Exploration), on-site work	26,000
P. Jones (Senior Geologist)	37,800
C. Wagg (Project Geologist)	16,685
S. Warner (Geologist)	4,161
D. Engelhrecht (technician)	3,370
O. Burnell (Core Grabber)	19,707
E. Johnston, B. Burnell (Helpers)	2,268
F. Puskas (consultant, advice on nickel)	2,124
Bharti Engineering (modeling of drill data)	6,826
	$118,941

EXPLORATION EXPENDITURES (continued)

(C) Other Field Services

Line cutting	4,950
Drafting (autocad)	4,015
	$8,965

(D) Camp/Transport Support Costs & Services

Camp and field expenses	15,991.17
GMC Truck rentals $550 x 2 for 4.5 months	4,950.00
Gasoline	3,687.54
House (camp) rental	3,500.00
Phone	2,089.43
Fuel oil	597.00
Hydro	527.49
	$31,342

Total Exploration Costs = $591,675 or $141.81/metre

APPENDIX II

SUMMARY TABLES
DRILL LOCATION INFORMATION

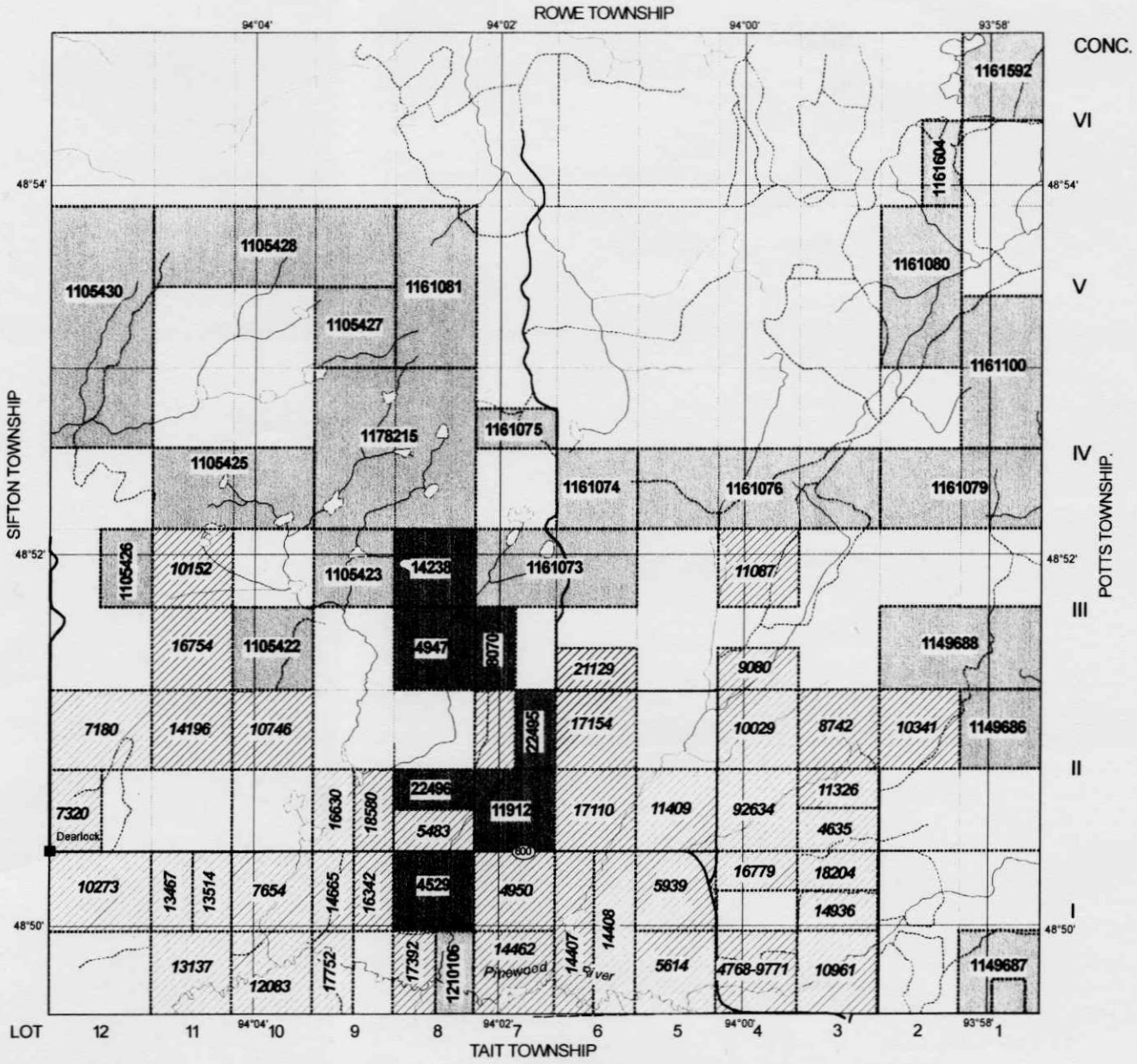
TABLE 4 **Drill Hole Locations**

Drill Hole No.	Grid Latitude	Departure	Depth	Work Dates	Location
NR-96-46	4+25 W	6+50 S (74°)	196.63	04/08 - 08/08	Lot 5 N1/2, Con. 1
NR-96-47	4+25 W	6+60 S (77°)	228.60	08/08 - 13/08	Lot 5 N1/2, Con. 1
NR-96-48	7+50 W	5+50 S (50°)	272.80	15/08 - 19/08	Lot 5 N1/2, Con. 1
NR-96-49	9+00 W	4+70 S (50°)	237.74	20/08 - 23/08	Lot 6 E1/2, Con. 1
NR-96-50	3+50 W	5+25 S (50°)	246.88	24/08 - 29/08	Lot 5 N1/2, Con. 1
NR-96-51	3+50 W	6+20 S (65°)	274.39	05/09 - 08/09	Lot 5, N1/2, Con. 1
NR-96-52	3+50 W	5+75 S (60°)	236.40	08/09 - 11/09	Lot 5, N1/2, Con. 1
NR-96-53	6+50 W	6+50 S (50°)	403.40	12/09 - 19/09	Lot 5, N1/2, Con. 1
NR-96-54	5+50 W	6+35 S (50°)	00.00	20/09 - 22/09	Lot 5, N1/2, Con. 1
NR-96-55	5+50 W	6+35 S (50°)	388.60	22/09 - 03/10	Lot 5, N1/2, Con. 1
NR-96-56	9+57 W	8+00 S (50°)	176.78	08/10 - 10/10	Lot 6, E1/2, Con. 1
NR-96-57	3+00 W	5+75 S (50°)	00.00	11/10 - 12/10	Lot 5, N1/2, Con. 1
NR-96-58	3+00 W	5+75 S (50°)	00.00	15/10 - 18/10	Lot 5, N1/2, Con. 1
NR-96-59	3+00 W	5+75 S (53°)	00.00	19/10 - 21/10	Lot 5, N1/2, Con. 1
NR-96-60	3+00 W	5+75 S (53°)	00.00	22/10 - 24/10	Lot 5, N1/2, Con. 1
NR-96-61	3+00W	6+00 S (58°)	231.71	24/10 - 04/11	Lot 5, N1/2, Con. 1
NR-96-62	7+50 W	6+25 S (50°)	231.78	05/11 - 11/11	Lot 5, N1/2, Con. 1
NR-96-63	7+50 W	6+25 S (65°)	00.00	12/11 - 18/11	Lot 5, N1/2, Con. 1
NR-96-64	1+00 W	6+12 S (50°)	275.85	19/11 - 27/11	Lot 5, N1/2, Con. 1
NR-96-65	3+00 W	6+10 S (65°)	266.40	27/11 - 02/12	Lot 5, N1/2, Con. 1
NR-96-66	2+50 W	6+00 S (65°)	266.40	04/02 - 10/12	Lot 5, N1/2, Con. 1
NR-96-67	2+00 W	5+60 S (65°)	237.75	08/12 - 12/12	Lot 5, N1/2, Con. 1
			4,172.11	metres	

TABLE 5 **Metres Drilled/Option Agreements/Assessment Credits Richardson Township**

Concession	Lot	Meters	Parcel No.	Owner	Option (Date)	($) (Assessment)
1	Lot 5, N1/2	3,757.59	5939	Jackson, B.	3/29/94	**$532,889**
1	Lot 6, E1/2	414.52	14408	Elfving, F.	6/08/93	**$58,786**
		4,172.11				**$591,675**

* See attached Nuinsco Agreements next page



Property Map

Richardson Township

Rainy River District, Northwestern Ontario

Nuinsco
RESOURCES LIMITED

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.

CLARE ALLAN BRUNETTA, B.A. LL.B.

BARRISTER SOLICITOR NOTARY PUBLIC

P.O. BOX 656
420 VICTORIA AVENUE
FORT FRANCES, ONTARIO
P9A 3M9
(807) 274-9809
(807) 274-8760 FAX
E-Mail Address:
brunetta@fort-frances.lakeheadu.ca

October 7, 1997

PRIORITY POST

Nuinsco Resources Limited
908 The East Mall
Etobicoke, ON
M9B 6K2

Attention: Mr. H. Douglas Hume
President

Dear Sir:

Re: Purchase of Mineral Rights Only
from Shahin Sedaghat Elfving - McCLAIN

Enclosed herewith Amending Agreement in triplicate which I would ask that you execute under the corporate seal of the corporation and thereafter return all copies to me as soon as possible in order that I can complete my full report to the Vendor and to you.

This will confirm receipt from you of $150,000.00 representing $50,000.00 each on three purchases from McClain, Elfving and Morrison. At the time of registration of the documents we are required to pay land transfer tax as well as registration costs and I would therefore ask that you further provide to me the sum of $1,500.00 to cover our registration costs in connection with the above purchases.

If you have any questions please contact my office.

Yours very truly,

CLARE A. BRUNETTA

CAB\las
encl.

AMENDING AGREEMENT

B E T W E E N :

SHAHIN SEDAGHAT ELFVING

(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 the Optionors and the Optionee entered into an Option Agreement dated the 3rd day of August, 1993, respecting an option to purchase patented mineral rights owned by the Optionors;

AND WHEREAS the Optionors and the Optionee have agreed to amended the Option Agreement;

NOW THEREFORE this Agreement witnesseth in consideration of payment of One ($1.00) Dollar and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged the parties hereto agree as follows:

1. The Option Agreement to purchase patented mineral rights which agreement is attached hereto as Exhibit "A" forming a part of this agreement, is hereby amended as follows:

(a) Under the heading of "Grant of Option" the following clause shall be included as the last full paragraph under that heading:

"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 Optionor 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. The fees of such consultant shall be paid by the Optionee.

(b) The heading "Net Proceeds of Production Defined" and the clause located thereunder comprising the last full paragraph on that page, are both deleted and the following are substituted therefore:

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.

(c) The Schedule "B" referred to in clause 1.(b) above attached hereto and forming a part of this agreement shall be incorporated into and shall form a part of the Option Agreement as amended herein.

2. In all other respects the Option Agreement as amended herein shall continue in full force and effect.

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

SIGNED SEALED AND DELIVERED)
in the presence of)
)
) NUINSCO RESOURCES LIMITED
)
)
) H. Douglas Hume, President
)
)
Witness to the signatures of:) Shahin Sedaghat Elfving
)
)
)

SCHEDULE "A"

OPTION TO PURCHASE
PATENTED MINERAL RIGHTS

August 3, 1993

BY:

SHAHIN SEDAGHAT ELFVING,
20 Waverley Place
Hillsborough, California
94010

(herein the "Optionor")

AND

NUINSCO RESOURCES LIMITED
Incorporated in the Province of Ontario,
Suite 501, 155 University Avenue
Toronto, Ontario M5A 3B7

(herein the "Optionee")

WHEREAS:

a) The Optionor represents and warrants that the Optionor is the sole and absolute owner of the mineral rights in certain property (hereinafter the "Property"), measuring 160 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 Optionor further represents and warrants that the Optionor has 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 Optionor acknowledged, the Optionor agrees to deliver to the Optionee or its nominee, upon payment of the Initial Payment stipulated below, the Optionor agrees to deliver on demand, duly executed transfers of the Optionor's interest in and to the Mining Rights in favour of the Optionee or its nominee, 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 Optionor.

The Optionor further agrees 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 Optionor hereby grants to the Optionee an exclusive and immediate right and option to enter upon and explore, develop and mine the Optionor's Property and to have quiet and exclusive possession thereof for TWO (2) years after receipt of an initial payment of ONE THOUSAND AND SIX HUNDRED ($1,600.00) DOLLARS (the "Initial Payment") from the Optionee or its agent, and hereafter if renewed as hereinafter provided. This right and option hereby granted is renewable by the Optionee on the second anniversary date of the Optionor's acceptance of the initial payment by the payment of a further ONE THOUSAND AND SIX HUNDRED ($1,600.00) DOLLARS for TWO more years.

At the end of the fourth year after the date of the Optionor's acceptance hereof the Optionor 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 to be payable by the Optionee on or before the fourth anniversary of the Optionor's acceptance of the Initial Payment; and

should a mine be discovered and brought to production, pay to the Optionor a royalty equal to 10% of Net Proceeds of Production from mining operations as defined below.

If the Optionee has paid to the Optionor all of the sums mentioned above, aggregating in total FIFTY THREE THOUSAND AND TWO HUNDRED ($53,200.00) DOLLARS the Optionee shall be deemed to have purchased all of the Optionor's right, title and interest in the Mining Rights only and the Optionor 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.

NET PROCEEDS OF PRODUCTION DEFINED

In calculating the amount of the Net Proceeds of Production the total net profits shall be the excess, if any, of cumulative receipts over cumulative disbursements received or incurred to the date of computation. The Optionee shall provide to the Optionor 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 less the amount of all previous payments of net profits.

RIGHT TO EXPLORE

Prior to the purchase of the Mining Rights, 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 Optionor may continue the Optionor's 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 Optionor notice of the abandonment. If notice of abandonment is given, the Optionee shall be under no obligation to make any further payment to the Optionor.

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 Optionor's property.

If the Optionee does not purchase the Mining Rights, it will on request, deliver to the Optionor 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.

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 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. In the event of any such cause, the Optionee shall advise the Optionor in writing of its occurrence.

The Optionor agrees that if the Optionee decides to exercise its option to purchase, the Optionor 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 ONE THOUSAND AND SIX HUNDRED **($1,600.00)** DOLLARS (the Initial Payment) to be paid by one cheque to the Optionor.

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.

IN WITNESS WHEREOF the Optionor has hereunder set Optionor'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 Hillsborough, California,
this 6 day of August, 1993

NAME: _____ Witness: _____
S. S. ELFVING

SCHEDULE "A"

This is Schedule "A" to an agreement between Nuinsco Resources Limited and Shahin sedaghat Elfving, of Hillsborough, California, dated the 3rd day of August, 1993.

Property Description	Lot #	Conc. #	Township	Acreage
Parcel # 14408	E1/2 of #6	1	Richardson	160

020

VOLUME I

EXPLORATION DATA

Rainy River Project
Richardson Township

(August – December 1996 Diamond Drilling)

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

APPENDIX III

EXPLORATION DATA

DIAMOND DRILL HOLE LOGS

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9646
Collar Eastings: -425.00
Collar Northings: -660.00
Collar Elevation: 9.60
Grid: Rich

Collar Inclination: -74.00
Grid Bearing: 0.00
Final Depth: 196.63 metres

Logged by: P.L.J/D.M.E
Date: 02/08/96-08/08/96
Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	1.34	OVERBURDEN (Ovb)								
1.34	17.74	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	7.50	7.64	0.14	NIL	17	67	NIL	1
		Gradational unit of ash tuff to QID. Top of interval shows little	7.64	8.14	0.50	NIL	7	75	NIL	NIL
		to tr qtz eyes that are < 1mm in size grading into a 10-15% blue	8.14	8.32	0.18	NIL	7	75	NIL	2
		qtz eyes; < 5mm; QID at bottom of interval. fine grained near top	8.32	9.36	1.04	NIL	19	76	NIL	NIL
		to med grained near bottom. medium grey, well fractured;fractures	9.36	10.06	0.70	NIL	13	185	NIL	2
		filled with calc which is highly reactive to acid. Fractures are	10.06	11.48	1.42	NIL	15	94	NIL	NIL
		< 2cm in size and very abundant near top; about 10 every 10cm to	11.48	11.88	0.40	NIL	6	81	NIL	NIL
		1-2 every 10cm near bottom. Rare-minor sericitic alteration.	11.88	12.47	0.59	15	3	88	NIL	NIL
		1-3% fine diss. py throughout. Tr sph.	12.47	12.67	0.20	15	12	136	NIL	NIL
		Bedding in ash at 45-50 deg to CA.	12.67	14.00	1.33	5	6	149	NIL	NIL
			14.00	14.23	0.23	NIL	1	113	NIL	NIL
		14.35 14.65 Qtz vein containing wallrock and calcite;	14.23	14.59	0.36	NIL	46	520	NIL	12
		irregular contacts. Other less strong qtz veins < 5cm about 1/4m;								
		chloritic bands present but rare.								
17.74	26.58	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	18.63	18.80	0.17	130	51	4000	2.2	2
		Similar to previous interval of similar gradational unit. Minor	18.80	19.56	0.76	NIL	10	100	NIL	NIL
		sericite alteration present.								
		3-5% fine diss. py throughout, tr sph. Occasional bands of up to								
		10% sulphide.								
		Bedding/contact in ash at 40 deg to CA.								

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9646

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		At 18.73m, 10% sph with 8-10% py; both as banded crystals.								
25.58	36.7	QUARTZ EYE DACITE/ASH TUFF (QID/ASH TUFF) Fine to medium grained, ash with quartz eyes, grading to QID. Top of interval < 5% qtz eyes, near bottom 10-15% qtz eyes. Similar to above gradational unit, but grading from an intermediate ash/QID to QID. 3% fine diss. py throughout.	32.07	32.22	0.15	10	21	1840	0.2	NIL
36.7	46.24	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID) Similar to above interval of same unit. qtz vein at 41.1m; 20cm wide with py and sph present. 1-5% fine diss. py throughout with occasional bands of up to 10% py as crystals; < 1mm. 2-3% sph as fine diss. to < 2mm clots. Foliation at 40 deg to CA, upper contact at 40 deg to CA.	42.70	44.20	1.50	10	12	120	0.2	7
46.24	65.0	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	51.81	53.31	1.50	15	23	143	0.5	3
		Similar to above interval of same unit.	53.31	54.79	1.48	50	17	315	1.4	2
		3% fine diss. sulphides as py >> sph. May be up to 15% over small < 2cm bands; rare.	62.48	64.08	1.60	30	5	109	0.4	2
		Foliation at 40 deg to CA noted in ash horizon.								
65.0	68.98	ASH TUFF/QUARTZ-EYE DACITE (ASH TUFF/QID) Similar to above interval of same unit. Fractures about 5/10cm; < 1mm wide. 5-8% hematite present as fracture fillings. 3% fine diss. py, tr sph. Contacts at 40-45 deg to CA.	64.08	65.53	1.45	70	10	104	0.8	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9646

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		At 65.51 Possible fault zone? showing strong gradational bleaching. Along centre of bleached zone, a 1.5cm wide calc, hem. filling.								
		At 68.18 Core parallel fracture.								
68.98	72.38	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	71.45	71.68	0.23	10	102	92	0.4	12
		Similar to above interval of same unit. Minor qtz veining. Veins are < 1cm and barren.								
		3% fine diss. py.								
		Bedding at 45 deg to CA. Upper contact at 45 deg to CA.								
72.38	114.05	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	71.68	72.97	1.29	NIL	13	118	0.2	14
		Similar to above interval of same unit. Hematite noted near	72.97	73.19	0.22	80	410	265	1.3	3
		fractures and veins.	80.77	82.23	1.46	20	13	90	NIL	6
		Near top of interval 3% fine diss. py. With depth increases to	82.23	83.82	1.59	220	23	133	0.2	14
		5-8% fine diss. py, 1-3% sph; banded sections may be up to 20-25%	90.32	90.57	0.25	90	36	101	2.1	15
		sulphide.	90.57	91.71	1.14	135	14	94	0.1	24
		Bedding noted at 45 deg to CA.	91.71	92.39	0.68	135	15	355	0.6	36
			92.39	93.31	0.92	135	19	390	0.5	27
		Qtz veins throughout.	93.31	93.75	0.44	125	56	1740	1.3	32
		73.17 15cm wide; 3% spn, 2-3% py; contacts at 60 deg.	93.75	94.67	0.92	105	53	1770	2.2	53
			94.67	94.89	0.22	145	63	3000	2.6	60
		74.77 20cm wide; hem, sph, py.	94.89	95.25	0.36	75	6	155	1.0	54
			95.25	96.00	0.75	50	13	1850	0.8	23
		77.12 20cm wide; chlorite along contacts, bleached wallrock, hem	96.00	96.58	0.58	220	8	290	0.4	22
		present, 5% py, contacts at 55 deg to CA.	96.58	97.12	0.54	340	52	4400	1.5	24
			97.12	98.75	1.63	235	15	141	0.6	29

FROM	TO	LITHOLOGICAL DESCRIPTION
		90.45 1cm wide; bleached over 25cm above and below; gradational.
		1% hematite.
		1% sph, py.
		Contacts at 80 deg to CA.
		91.5 1cm wide; bleached over 25cm above and below; gradational.
		Minor veining throughout. 3% hematite.
		Sph, py.
		Contacts at 85 deg to the CA.
		80 Bedding at 50 deg to CA.
		88 to 90.45 Possible pseudo-fragmental phase; likely due to bleaching and fault gouge; appearance is of breccia.
		92 Fault gouge 2cm wide; ground core through it. Fault at 50 deg to CA.
		104 Fault gouge 2cm wide; ground core through it. Fault at 50 deg to CA.
111.05	165.11	QUARTZ EYE DACITE/ASH TUFF (QID/ASH TUFF)
		Grading into QID. Similar to above unit. Quartz veins present,
		generally < 10cm.
		1-2% py along contacts. sph as tr min.
		Upper contact is 55 deg to CA.
		115.1 20cm wide qtz vein. Py and sph along contacts. Py>sph.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
101.62	103.76	2.14	50	14	98	0.5	16
103.76	104.28	0.52	250	158	6400	5.0	110
104.28	105.70	1.42	100	26	1350	1.8	40
105.70	105.88	0.18	70	52	4250	1.1	90
105.88	106.70	0.82	85	12	124	0.7	13
108.48	108.72	0.24	150	8	72	3.3	43
112.07	112.28	0.21	40	9	198	1.2	8
115.02	115.80	0.78	25	32	85	1.2	21
115.80	117.99	2.19	15	25	85	0.7	6
117.99	118.52	0.53	55	37	128	1.0	63
118.52	119.83	1.31	65	21	315	1.0	30
124.17	124.40	0.23	4510	136	10000	70.0	10000
126.49	127.99	1.50	395	40	760	5.8	930
127.99	129.54	1.55	200	42	480	3.2	360

FROM	TO	LITHOLOGICAL DESCRIPTION
		Upper contact at 85 deg, lower at 25 deg.
		118.2 40cm wide qtz vein. Py along contacts. Upper contact at 25 deg, lower at 20 deg.
		118.4 1-5% py, 2% po.
		129.74 10cm wide mafic dyke, medium green, medium grained. Calcite fracture fillings. Tr-1% py. Contacts at 50 deg to CA.
		130.04 30cm wide mafic dyke. Same as above. Tr py. Contacts at 25-30 deg to CA.
		133.74 50cm wide mafic dyke. Same as above. Tr-1% py. Contacts are 45 deg to CA.
		137.61 35cm wide qtz vein. 5-8% py, 2-3% sph, tr-1% gal over vein interval. Contacts non-linear at 35-40 deg to CA.
		Below mafic dykes strong bleaching present; grades out of bleaching over 2m.
		138.68 Grading from unbleached to strongly bleached over 2m. 3% fine diss. py.
		141.52 Strongly bleached interval is abruptly stopped.
		156.02 7cm qtz vein, barren. Contacts at 80-85 deg to CA.

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
136.50	137.64	1.14	155	44	410	1.7	266
137.64	137.99	0.35	395	37	2000	2.2	328
137.99	138.68	0.69	620	188	3400	8.3	260
145.78	147.29	1.51	350	42	530	2.0	120
147.29	147.83	0.54	145	7	300	0.8	44
147.83	148.77	0.94	135	40	490	2.8	100
162.21	162.81	0.60	7780	465	8500	100.0	6800
162.81	163.07	0.26	10350	290	10000	100.0	8900
163.07	163.53	0.46	2460	210	4750	85.0	3050

FROM	TO	LITHOLOGICAL DESCRIPTION
165.13	196.63	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)
		Ash tuff is fine grained, medium grey in unaltered areas. Similar to previous interval of same unit. 173m and below, core becomes more broken with depth. QID, fine to med grained, medium grey with 5-8% qtz eyes that are < 3mm xals. Sericite noted as moderate alteration.
		3% py throughout. Tr sph, tr gal. 5-8% sph noted over 20cm at 166m.
		180.15 188.59 Fault Zone. Strongly bleached and altered. Core is highly broken through interval. tr-1% fine diss. py.
		185.02 185.16 Main fault gouge filled with clay, sand sized particles with a soapy feel; other small fault gouges with similar filling through zone. Fault at about 35-40 deg to CA; difficult to measure due to broken core.
		Below 188.59 to 192, core is only slightly bleached.
		192 196.63 Bleaching is evident and gradational to strong bleaching; pale grey core.
		191.17 Fault Gouge 2cm. Similar to above gouge. Contacts are 40-60 deg to CA.
		192.83 Fault Gouge 1cm

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
163.53	165.46	1.93	490	102	620	10.8	300
165.46	165.98	0.52	6460	170	4100	16.0	2200
165.98	166.54	0.56	1150	34	670	3.8	395
173.97	174.97	1.00	335	34	105	1.3	70
174.97	175.28	0.31	845	139	2350	3.4	1200
175.28	176.12	0.84	295	46	85	0.9	100
176.12	176.37	0.25	1270	58	1500	1.8	162
176.37	176.78	0.41	95	27	91	0.4	20
188.09	188.67	0.58	485	169	1650	16.5	1100
188.67	189.60	0.93	215	49	126	2.0	212
189.60	190.85	1.25	195	33	158	1.2	40
190.85	192.02	1.17	430	31	245	1.8	70
192.02	193.51	1.49	100	20	420	1.7	26
193.51	193.91	0.40	175	8	120	7.7	62
193.91	194.27	0.36	110	7	162	6.8	22
194.27	195.27	1.00	90	9	90	8.0	24
195.27	196.14	0.87	275	32	570	15.0	290

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		195.67 Fault Gouge 2cm.								
		195.97 Fault Gouge 2cm.								
		Minor < 0.5cm gouges throughout.								
		Below 192.3 3-5% fine diss. py, tr sph throughout. Occasional bands of 20% sulphide as py >> sph over small < 5cm intervals.								

DOWN HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
22.87	3.00	8.00
84.84	-1.00	14.00
149.39	-61.50	13.00
195.12	-60.00	12.00
196.63	-59.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9647
Collar Eastings: -425.00
Collar Northings: -660.00
Collar Elevation: 9.60
Grid: Rich

Collar Inclination: -77.00
Grid Bearing: 360.00
Final Depth: 272.79 metres
DDH deepened from 228.6 to 272.79 between 29/09/96and 30/09/96

Logged by: P.L.Jones
Date: 08/08/96-13/08/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	3.78	OVERBURDEN (Ovb)								
3.78	17.91	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	13.71	14.78	1.07	NIL	24	87	NIL	NIL
		Fine med grained, med to dark grey, with < 5% white-blue < 4mm	14.78	15.76	0.98	NIL	10	99	NIL	NIL
		elongated qtz eyes. Weathered at top and bleached grading to	15.76	16.76	1.00	10	37	146	NIL	NIL
		unweathered and dark grey at bottom of interval. weathering is	16.76	17.80	1.04	45	35	210	0.2	NIL
		med grey grey greenish in colour, fades to a dark grey colour at bottom of interval. Bedding noted at bottom 20-25cm of interval in QID. fine grained ash tuff, med to dark grey with many fine calc qtz elongate crystals throughout. grading to a fine-med grained matrix. QID with 5-8% < 5mm pale blue qtz eyes at bottom of interval.. Highly fractured about 2 every cm, with calc-qtz fracture filling, py may be elongated in filling foliation at 45 deg to CA.								
		2-3% fine diss. py throughout with occasional bands of increased sulphide; including < 1cm clots; rare throughout. Bands may be up to 20% py.								
		Bedding at 45-50 deg to CA.								
17.91	51.8	QUARTZ EYE DACITE (QID)	25.57	26.28	0.71	15	38	139	0.3	NIL
		Fine to med grained matrix with 5-8% med to large, < 5-6mm pale	26.28	27.43	1.15	10	30	90	0.2	NIL
		blue qtz eyes. Moderately fractured, with calc-qtz fracture	27.43	28.18	0.75	10	20	79	0.2	NIL
		fillings. Matrix is med-dark grey. No bedding noted as in above.	28.18	29.51	1.33	15	18	128	0.2	NIL
		Near bottom of interval, qtz-eyes increase to 10% and are	29.51	30.48	0.97	15	20	90	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9647

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		generally large in size. Minor qtz veining throughout (1 every	30.48	31.67	1.19	5	42	82	0.2	NIL
		1.2cm; <1cm up to 2 cm - 50 deg to CA). 18.31 small crystals of	38.10	39.60	1.50	25	53	510	0.5	NIL
		tour. noted. 50.3m hematite noted in calc-qtz veins.	39.60	40.78	1.18	25	12	128	0.4	NIL
		3% fine diss. py throughout, with areas of increased sulphide to	45.06	45.87	0.81	35	84	380	1.1	3
		10% over small intervals.	45.87	46.10	0.23	NIL	8	75	NIL	NIL
		Foliation at 45 deg to CA, upper contact at 45-50 deg to CA.	46.10	46.93	0.83	NIL	19	127	0.2	6
			48.77	50.24	1.47	20	27	103	0.3	NIL
			50.24	51.80	1.56	50	15	395	0.9	2
51.8	77.72	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	54.90	55.46	0.56	10	230	730	1.3	NIL
		Similar to previous interval of same unit, but much more	55.46	55.73	0.27	960	63	1550	5.3	NIL
		fractured. Flt zone.	60.96	62.22	1.26	215	14	420	8.8	2
		3% fine diss. py throughout the interval; occasional bands of	62.22	64.00	1.78	375	14	245	16.6	1
		increased min.	66.01	67.10	1.09	75	52	220	0.7	2
		Fault at 50 deg to CA.	76.83	77.70	0.87	20	33	109	NIL	NIL
			77.70	79.25	1.55	15	15	106	NIL	NIL
		64.0 - 71.6 Hematite calc noted in fracture fillings; fractures	85.30	86.94	1.64	70	13	200	0.8	2
		are fault related. Gouge present at 67.2m. Gouge is 15cm wide,	86.94	88.40	1.46	80	72	800	1.3	3
		filled with clay and sand sized particles. Hematite may be up to	96.01	97.63	1.62	170	26	113	0.4	32
		5% of core; 50% of fracture fillings.	97.63	99.06	1.43	130	23	124	0.6	40
		3-5% fine diss. globs of py; occasional crystals of < 2mm size;	105.15	106.14	0.99	80	23	330	0.3	17
		rounded in shape; but not spherical.	106.14	106.56	0.42	120	49	5300	1.3	12
			108.35	108.48	0.13	70	79	1350	1.8	42
		71.6 - 88.4 Minor hematite noted; not on all fractures but in	108.48	109.22	0.74	225	196	4800	10.0	190
		about 1/2 2/3 of them. Fractures with hem. are not of the same	111.25	112.56	1.31	85	37	970	3.0	160
		percentage as above but about 20-25% of fracture.	112.56	113.48	0.92	40	10	66	0.9	46
			113.48	114.30	0.82	510	187	5600	17.3	2450
		76.35 Fault gouge, 10cm wide filled with clay and sand sized	121.50	122.39	0.89	65	21	144	1.0	34

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		aggregates. Fault at 45-50 deg to CA.								
		85.2 25cm fault gouge filled with clay and sand aggregates. Fault at 40-50 deg to CA; hard to tell due to fracturing of adjacent rock. All core near fault gouge is highly fractured and filled with hem-calc (variable). Fractures are related to faults.								
		Highly fractured due to fault and minor qtz/calc veins. Veins are generally < 2cm and foliation parallel. Faults appear to be foliated parallel or near parallel. Tourmaline may be hosted in veins; rare. Unit is mildly sericitized; containing no notable increase in sulphide throughout. Rare increase may be evident, but few.								
		88.6 2cm wide calc qtz vein containing minor tour. Contacts are 50 deg to CA.								
		Near faults, rock takes on a pseudo-fragmental appearance.								
		105.5 107 2-3% sph as fine bands of fine crystals; bands may be up to 25% over small intervals.								
		99 105 Garnet present as 3% of core over small intervals may be larger percentages. Garnet as small < 3mm crystals. Pale pinkish in colour; may be along fractures. Generally smaller crystals present in rock.								
		108.6 2cm wide qtz vein; core is moderately bleached around vein.								

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9647

FROM	TO	LITHOLOGICAL DESCRIPTION
		3% sph along contacts as globs, 1-5% py. Contacts are 50 deg to CA.
122.22	157.1	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID) Similar to above interval of same unit. Minor qtz veins throughout are generally < 2cm in width and often have increased sulphide along contacts; tour. may often be present in veins near or along contacts. Py along contacts of minor veins may be up to 25% over < 2cm intervals. 3-5% fine diss. py throughout. May be bands occasionally for 2 every 4m of up to 20% py, tr sph. Bedding in ash at 50 deg to CA. 142.7 cm wide qtz vein with tour. present. Barren. Irregular contacts.
157.1	168.05	ASH TUFF/QUARTZ-EYE DACITE (ASH TUFF/QID) Similar to above unit, grading to QID. Fine grained, med to dark grey matrix, showing bedding with < 2% qtz eyes as grey, blue < 3mm crystals. Grading to a med grey, fine-med grained matrix with up to 10% grey blue qtz eyes < 5mm. 3-4% fine diss. py throughout. bedding in ash at 50-55 deg to CA. At 161.8m, sph noted as fine crystal (globs) stringers of up to 20% over 1cm interval. Py as fine diss. about 5-8% over same interval.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
122.39	123.53	1.14	25	24	113	0.2	12
123.53	124.96	1.43	20	43	92	0.6	4
129.54	131.07	1.53	30	12	117	0.5	23
131.07	132.58	1.51	50	10	83	1.1	43
142.43	143.00	0.57	100	10	660	2.4	196
143.00	143.59	0.59	40	11	360	2.2	145
143.59	144.16	0.57	80	16	265	3.2	160
148.58	148.96	0.38	570	129	560	4.7	600
154.30	154.49	0.19	150	94	6200	9.6	1750
154.49	155.93	1.44	55	14	375	1.2	160
155.93	156.26	0.33	670	41	3200	5.7	1450
156.26	156.66	0.40	885	38	1000	2.1	112
156.66	157.08	0.42	675	22	1350	2.2	242
157.08	157.99	0.91	530	30	455	1.9	198
161.73	161.90	0.17	950	17	3800	33.2	480

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9647

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
168.05	179.03	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	171.89	172.79	0.90	1380	67	2900	27.5	980
		Similar to previous interval of same unit.	172.79	173.89	1.10	2280	198	2150	66.0	1080
		1-4% fine diss. py throughout.	173.89	175.30	1.41	2000	30	290	3.8	60
		Contacts are 50-55 deg to CA.								
		172.2 - 173.3 Minor fault zone. Core is broken in centre 30cm of interval only. Rest of interval is highly fractured. At 172.65m small < 2cm fault gouge. No sulphide increase. Fault at 45-55 deg to CA, foliation is sub-parallel.								
179.03	210.69	FAULT ZONE (FLT ZONE)	187.25	188.96	1.71	3300	120	2500	31.2	1400
		Major fault zone. Core is highly broken. At 181.81 strong gouge.	193.19	194.64	1.45	280	6	12	0.9	18
		Minor folds noted along foliation in zone. Fault angle? Above and	194.64	195.87	1.23	365	12	28	0.6	21
		below highly broken core is highly bleached for 2m (highly to	201.58	201.89	0.31	205	25	159	1.4	45
		moderately).	202.07	202.28	0.21	15	2	10	NIL	10
		203.06	203.49	0.43	NIL	2	20	NIL	5	
		Quartz veins noted at	204.15	204.53	0.38	135	57	275	0.4	31
		201.58 - 201.89 Tr tour, upper contact at 80 deg, lower at 15.								
		202.07 - 202.28 Tr gal, tour. Upper at 80 deg, lower at 40.								
		204.25 - 204.53 4 cm scale veins, tr tourm. Upper at 80, lower at 35 deg.								
		209 - 211.4 < 2cm wide qtz veins. Tr tour, gal. Contacts at 30 deg to CA.								
210.69	228.6	ASH TUFF/QUARTZ EYE DACITE (ASH TUFF/QID)	216.40	217.67	1.27	150	47	700	0.9	90
		Similar to previous unit of same interval. Grading from a highly	217.67	219.20	1.53	260	29	450	1.2	305
		folded ash tuff to a ash/QID at bottom of hole. Near bottom, 1-2%	219.20	220.70	1.50	180	32	310	1.3	130

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu_ppm	Zn ppm	Ag ppm	Pb ppm
		qtz eyes, fine grained	220.70	220.93	0.23	305	300	4800	7.2	900
		3-5% fine to med diss. py throughout. Visible sulphides increase	220.93	222.50	1.57	200	28	1700	4.8	900
		with depth. Last 4.5m of hole shows increased sulphide to 8-10%	222.50	223.82	1.32	165	25	137	0.5	52
		fine to med diss. py, 1-2% sph.	223.82	225.55	1.73	265	16	142	0.5	42
		Foliation at 55-60 deg to CA.	225.55	226.07	0.52	1100	24	230	0.5	20
			226.07	226.21	0.14	65	50	710	0.2	10
		Fault gouge at 222.1, 208.4, and 209.26m < 1cm wide.	226.21	226.49	0.28	340	28	2750	1.0	65
			226.49	226.91	0.42	20	17	153	NIL	17
		213.47 - 217.73 Minor fault zone with 5cm wide fault gouge at	226.91	227.09	0.18	120	55	7800	0.3	18
		214.1m.	227.09	227.92	0.83	40	24	2000	0.2	13
			227.92	228.60	0.68	365	51	7400	1.6	145
		215.37 Qtz vein 3cm wide. Contacts near parallel to CA.								
		Below fault zones, fine grained, med grey with 1-2% bluish qtz								
		eyes <3mm. Minor qtz veins throughout with vein of < 2cm.								
		Contacts generally at about 30 deg to CA except for set at 219.54								
		at 80-85 deg.								
		226.07 to 226.21, 226.49 226.91, 227.09-227.19, 227.47-227.92.								
		Series of mafic dykes, dark green, med grained with calcite veins								
		(< 2mm). Contacts are 60-65 deg to CA.								
		Hole deepened (P.L.J.)								
228.6	272.79	QUARTZ EYE DACITE/ASH TUFF(QID/ASH TUFF)	228.60	228.99	0.39	NIL	NIL	NIL	NIL	NIL
		Med grey. Pyroclastic horizons composed of crystal and ash-	228.99	229.25	0.26	NIL	NIL	NIL	NIL	NIL
		crystal tuff showing evidence of grading by the distribution/	229.25	230.06	0.81	NIL	NIL	NIL	NIL	NIL
		abundance of qtz crystals. veining is generally limited to mm-cm	231.60	232.88	1.28	NIL	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
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FROM	TO	LITHOLOGICAL DESCRIPTION
		scale (max. 10cm) milky white qtz veins which comprise < 5% of volume of interval; generally these veins are barren although rare py aggregates do occur. Well developed almandine/spessartine mineralization up to 1mm, 2% of mode. Sulphide mineralization throughout.
		228.6 to 235 QID with 3-5% qtz crystals. Garnets common, 4-5% py.
		235 to 255.17 *Vlg Ash Tuff grading downhole to fg ash tuff with* rare qtz xls (< 1%). No garnet, tr sulphide.
		255.17 to 272.79 Ash tuff/pseudobx with abundant sulphide mineralization Interval is divided into two domains; siliceous "fragments" and less siliceous groundmass interstial to frags. Abundant sulphide as aggregates and bands in domains interstial to more siliceous "fragments". Py ~ 10%, garnets noted locally.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
232.88	233.76	0.88	NIL	NIL	NIL	NIL	NIL
233.76	234.70	0.94	NIL	NIL	NIL	NIL	NIL
234.70	236.23	1.53	NIL	NIL	NIL	NIL	NIL
236.23	236.82	0.59	NIL	NIL	NIL	NIL	NIL
236.82	237.70	0.88	NIL	NIL	NIL	NIL	NIL
237.70	239.22	1.52	NIL	NIL	NIL	NIL	NIL
239.22	240.80	1.58	NIL	NIL	NIL	NIL	NIL
240.80	242.32	1.52	NIL	NIL	NIL	NIL	NIL
242.32	243.80	1.48	NIL	NIL	NIL	NIL	NIL
243.80	245.33	1.53	NIL	NIL	NIL	NIL	NIL
245.33	246.90	1.57	NIL	NIL	NIL	NIL	NIL
246.90	248.42	1.52	NIL	NIL	NIL	NIL	NIL
248.42	249.90	1.48	NIL	NIL	NIL	NIL	NIL
249.90	251.42	1.52	NIL	NIL	NIL	NIL	NIL
251.42	253.00	1.58	NIL	NIL	NIL	NIL	NIL
253.00	254.52	1.52	NIL	NIL	NIL	NIL	NIL
254.52	255.17	0.65	NIL	NIL	NIL	NIL	NIL
255.17	256.70	1.53	NIL	NIL	NIL	NIL	NIL
256.70	258.25	1.55	NIL	NIL	NIL	NIL	NIL
258.25	259.10	0.85	NIL	NIL	NIL	NIL	NIL
259.10	260.62	1.52	NIL	NIL	NIL	NIL	NIL
260.62	262.10	1.48	NIL	NIL	NIL	NIL	NIL
262.10	263.60	1.50	NIL	NIL	NIL	NIL	NIL
263.60	265.12	1.52	NIL	NIL	NIL	NIL	NIL
265.12	266.70	1.58	NIL	NIL	NIL	NIL	NIL
266.70	267.98	1.28	NIL	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9647

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
21.34	-75.50	3.00
89.93	-72.00	11.00
121.95	-68.00	13.00
135.67	-66.00	10.00
185.98	-64.00	9.50
228.66	-60.00	9.00
271.34	-56.00	6.00
272.79	-56.00	

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9648
Collar Eastings: -750.00
Collar Northings: -525.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 270.00
Final Depth: 272.80 metres

Logged by: P.L.J./D.M.E.
Date: 15/08/96-19/08/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	56.56	OVERBURDEN (Ovb) Gabbroic interface at bedrock, no contact notable with QID below, probable boulder.
56.56	89.36	QUARTZ-EYE DACITE (QID) Fine to medium grained with approx. 5%, < 5mm blue-grey qtz eyes. Minor sericite alteration noted through unit. Minor qtz veining throughout; often with calc, all < 1cm. Approx. 1 every metre (perpendicular to foliation). Movement noted along foliations running through veins, movement along foliation is < 10cm. 2-3% sulphide throughout as fine diss. py. No noted sulphide increase near veining. Foliation at 20 deg to CA. Grading to a QID/ASH interface at 74.0m. 3% qtz eyes as above but less common. Notable increase in sulphide along fractures as fracture-filling bands. Up to 25% over < 1cm intervals. bands rare about 8/m over 3m. At 83.45 grades to Ash with rare qtz eyes; tr, fine grained, medium grey, foliations throughout and highly visible. 3% fine diss. sulphide throughout as py.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
87.61	88.28	0.67	55	19	175	0.5	30

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Foliation is 25 deg to CA.								
		At 85.7m grades back to a QID/Ash that is very similar to above QID/Ash interface. 3-4% fine diss. py throughout. Occasional minor bands of sulphide on mm scale with 20% sulphide.								
		88.5 Broken core possible fracture zone. Core lost; possibly deformed from below fracture zone.								
		89.25 5cm wide fracture zone with highly bleached core; fractures every 0.25 cm or so, generally at 40 50 deg to CA.								
89.36	181.25	ASH TUFF/QUARTZ-EYE DACITE (ASH TUFF/QID)	94.95	95.22	0.27	166000	84	4450	47.0	40
		Fine grained, med dark grey with tr-rare greyish-blue qtz eyes.	95.22	96.59	1.37	365	19	225	0.8	90
		Similar to ash tuff noted in hole NR96-45. Highly foliated,	96.59	96.91	0.32	7800	305	2800	5.6	35
		fractured. Sericite alteration moderate throughout. Possible	96.91	98.53	1.62	410	40	268	0.4	20
		fluorite noted throughout, but rare, with needle-like structure	98.53	100.04	1.51	280	40	600	0.2	24
		(1-2mm).	100.04	100.81	0.77	65	45	290	0.2	31
		Banded sulphide throughout. 3% unless noted.	100.81	101.11	0.30	365	39	295	0.4	30
		Foliation at 20 deg to CA.	101.11	102.10	0.99	250	26	400	0.2	30
			102.10	102.38	0.28	55	52	232	NIL	21
		94.95 - 148.03 Moderate to strong sulphide banding. There are mm	102.38	103.88	1.50	1170	36	1000	0.9	32
		to cm scale bands. The sulphide bands are mm to cm scale wide and	103.88	105.20	1.32	215	57	1400	0.5	26
		may contain py, sph, or cpy (py>sph>cpy). The bands range from	105.20	106.78	1.58	235	66	1400	0.3	33
		10-45 deg to CA.	106.78	107.51	0.73	3020	40	1200	2.1	65
			107.51	108.40	0.89	1350	33	445	0.7	28
		100.81 - 128.2 Qtz veins noted with calcite often occurring in	108.40	108.67	0.27	1450	62	1300	1.0	27

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9648

FROM	TO	LITHOLOGICAL DESCRIPTION
		17 minor veins. Sulphide mineralization often noted. Tour. present as tr-2% in some veins. various angles to CA, but generally close to perpendicular to foliation.
		At 121.45 5mm garnets present (3-4% of core). Also, apple green mineral present, very soft, possibly fluorite.
		At 129.26 5cm wide qtz vein. Py throughout, 5% garnets along contact.
		At 129.9 (?) Mm wide fault gouge. 1% sulphide near gouge.
		At 151.0 Increasing amount of grey-blue qtz-eyes to near 5%. Intermediate phase; ash/QID.
		At 154.0 graded to QID with 5-8% blue-grey qtz eyes. Fine to med grained, light to med grey. Qtz eyes are < 7mm in size. Sericite alteration throughout, moderate bleaching with a mildly fragmented appearance. foliation at 30 deg to CA.
		At 168.0 pseudo-fragmental breccia is appearance, due to bleaching along foliation lines. 3-4% fine diss. sulphide as py. Foliation at 30-35 deg to CA.
		At 165.1 57cm wide smoky quartz vein with minor calcite seams along contact. 3% py along calcite seams. Contacts at 40-45 deg to CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
108.67	110.02	1.35	400	33	370	0.3	53
110.02	110.27	0.25	4610	145	1260	3.4	120
110.27	111.36	1.09	600	65	1300	0.5	42
111.36	111.56	0.20	7000	72	6200	5.0	65
111.56	111.84	0.28	225	48	418	0.2	32
111.84	113.32	1.48	120	41	630	NIL	30
113.32	114.62	1.30	280	47	520	0.3	50
114.62	116.10	1.48	875	95	1000	0.9	132
116.10	117.30	1.20	1490	73	880	1.6	280
117.30	118.42	1.12	140	36	305	NIL	36
118.42	118.82	0.40	8620	38	1150	5.6	336
118.82	118.99	0.17	9800	67	10000	10.0	166
118.99	119.86	0.87	2540	37	1200	2.1	50
119.86	120.40	0.54	3510	53	1250	3.5	26
120.40	121.09	0.69	100	59	280	NIL	36
121.09	121.55	0.46	395	28	1350	0.5	92
121.55	122.34	0.79	210	50	1150	0.3	50
122.34	122.81	0.47	460	59	3600	1.5	65
122.81	123.02	0.21	555	47	1480	0.8	60
123.02	125.34	2.32	270	28	220	0.2	29
125.34	127.27	1.93	50	36	215	NIL	36
127.27	127.43	0.16	4180	43	3300	4.0	135
127.43	127.67	0.24	390	42	2900	0.3	57
127.67	128.20	0.53	605	68	4700	0.6	28
128.20	128.81	0.61	1830	110	3600	1.0	33
128.81	128.96	0.15	3360	50	4000	4.7	100
128.96	129.33	0.37	1960	57	1500	1.6	258
129.33	129.88	0.55	3310	85	930	2.7	380

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FROM	TO	LITHOLOGICAL DESCRIPTION
		At 176.0 bands of sulphide, 5-6 1/2 cm bands. 5% py, and sph (py>sph) over sample. 35-40 deg to CA.
		At 179.5 30cm wide smoky qtz vein with large amounts of wallrock. Py present throughout wallrock and contacts. Irregular contacts.
		At 180.5 90cm smoky qtz vein with large amounts of wallrock fragments. Core is broken. Py present throughout rock and contacts. Irregular contacts.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
129.88	130.26	0.38	2340	28	104	2.8	112
130.26	130.48	0.22	6250	83	560	4.5	210
130.48	130.73	0.25	720	22	1500	1.1	148
130.73	131.82	1.09	1500	26	760	0.7	58
131.82	132.20	0.38	6770	37	2350	2.9	102
132.20	132.60	0.40	7500	48	3850	5.8	155
132.60	132.80	0.20	2010	39	1850	1.0	43
132.80	133.13	0.33	1140	57	620	1.0	122
133.13	133.48	0.35	3050	70	6200	2.8	500
133.48	133.88	0.40	4970	101	6600	5.9	1150
133.88	134.20	0.32	6430	163	1100	3.4	162
134.20	134.37	0.17	320840	900	2250	90.0	1200
134.37	135.23	0.86	1850	72	1000	1.2	67
135.23	135.46	0.23	6840	103	4250	5.3	720
135.46	136.43	0.97	3550	151	3750	2.9	1100
136.43	136.68	0.25	3020	63	2800	4.4	900
136.68	137.16	0.48	2050	19	1550	1.7	365
137.16	137.30	0.14	1010	12	135	0.6	150
137.30	137.75	0.45	2110	82	1100	2.0	175
137.75	139.13	1.38	1480	35	300	0.7	210
139.13	139.28	0.15	8820	151	7600	4.8	520
139.28	140.66	1.38	1270	47	1500	0.8	200
140.66	141.42	0.76	480	103	4450	1.0	98
141.42	141.73	0.31	4950	180	6000	3.3	445
141.73	143.25	1.52	355	22	338	1.4	250
143.25	144.44	1.19	830	310	1350	3.2	485
144.44	144.97	0.53	345	37	110	0.8	120
144.97	145.23	0.26	1200	240	3400	6.5	2000

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FROM	TO	LITHOLOGICAL DESCRIPTION

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
145.23	145.60	0.37	3670	770	9000	22.2	6300
145.60	146.38	0.78	1380	465	3650	4.3	1000
146.38	147.28	0.90	680	235	2200	6.0	1350
147.28	147.66	0.38	20880	1400	10000	41.2	10000
147.66	148.03	0.37	3100	870	3750	11.7	2700
148.03	148.26	0.23	4490	870	5800	11.2	4850
148.26	149.39	1.13	1070	71	350	1.3	100
149.39	149.89	0.50	325	33	82	0.6	36
149.89	150.04	0.15	1600	280	1500	5.6	970
150.04	150.37	0.33	835	305	3150	2.9	455
150.37	150.49	0.12	700	33	360	8.0	2000
150.49	151.22	0.73	825	28	600	0.9	45
151.22	151.38	0.16	55	29	550	0.5	245
151.38	151.69	0.31	600	45	450	1.8	175
151.69	152.43	0.74	550	35	310	2.2	96
152.43	153.92	1.49	440	26	155	1.2	98
153.92	155.65	1.73	570	23	415	1.6	105
155.65	156.97	1.32	205	29	420	1.2	74
156.97	158.53	1.56	345	26	660	1.5	75
158.53	160.04	1.51	360	30	1150	0.8	57
160.04	161.55	1.51	810	48	1600	1.3	54
161.55	162.91	1.36	795	66	1400	4.7	206
162.91	164.07	1.16	560	23	600	0.5	28
164.07	165.18	1.11	2900	31	1600	1.5	36
165.18	165.73	0.55	40	7	90	NIL	25
165.73	166.53	0.80	575	42	200	0.7	42
166.53	167.66	1.13	340	57	435	1.2	40
167.66	169.16	1.50	385	40	600	2.2	68

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
			169.16	170.68	1.52	385	18	275	0.8	60
			170.68	172.71	2.03	340	20	465	0.7	46
			172.71	173.33	0.62	495	22	455	0.5	35
			173.33	174.85	1.52	490	20	650	0.5	60
			174.85	175.91	1.06	470	109	6850	20.0	1250
			175.91	176.32	0.41	480	120	7850	3.2	353
			176.32	177.32	1.00	605	40	1800	1.1	140
			177.32	177.58	0.26	710	34	7300	1.0	196
			177.58	178.30	0.72	830	42	1400	0.8	170
			178.30	178.93	0.63	1450	230	10000	4.0	150
			178.93	179.83	0.90	665	56	1400	1.1	58
			179.83	180.13	0.30	270	48	2500	1.4	150
			180.13	180.28	0.15	1470	250	10000	1.3	78
			180.28	181.25	0.97	345	198	1600	2.0	46
181.25	272.8	ASH TUFF/QUARTZ-EYE DACITE (ASH TUFF/QID)	181.25	182.12	0.87	405	15	500	0.3	23
		Intermediate interface of fine grained med grey. Not bleached as	182.12	182.96	0.84	415	16	380	0.2	14
		above. Lower part with minor 1-2% < 4mm grey-blue quartz eyes.	182.96	184.40	1.44	400	18	470	0.4	20
		calc stringers present; 1 every metre. Sericite alteration is	184.40	185.49	1.09	240	20	210	0.2	25
		moderate. Carb alteration replacing fsp crystals noted at 182.12	185.49	185.72	0.23	240	16	870	NIL	24
		- 182.8 then grades out to no carb present.	185.72	186.38	0.66	220	42	2200	0.4	126
		5% py, sph; py>sph.	186.38	187.18	0.80	115	28	348	0.2	28
		Foliation is 40 deg to CA.	187.18	187.88	0.70	330	14	150	0.2	18
			187.88	188.50	0.62	260	17	375	NIL	19
		180 - 200 Banding present as < 1cm bands approx. 4/metre. Py,	188.50	189.68	1.18	330	19	435	0.3	47
		sph.	189.68	189.94	0.26	570	31	7300	1.3	106
			189.94	190.50	0.56	170	9	870	0.6	47
		At 181.82 Fault gouge; < 1cm wide. 10 deg to CA.	190.50	192.01	1.51	240	194	2450	11.0	1350

FROM	TO	LITHOLOGICAL DESCRIPTION
		194.77 - 195.02 Smoky qtz vein with minor wallrock near contacts. py, cpy, gal. Upper contact 30 deg to CA, lower is 80 deg.
		196.91 - 197.65 Fault gouge. fault probably ran along qtz vein due to large amounts of qtz particles throughout. Barren. fault at 40-45 deg to CA.
		At 190.5 Calcite replacement of fsp, as above.
		At 192.6 Possible bedding at 40 deg to CA. Foliation at 40-45 deg to CA at 194m.
		193.88 - 194.02 15% py as coarse diss. crystals.
		196.02 - 196.56 Banded sulphide. 10% py, sph.
		At 199.0 Possible mild bleaching.
		At 209 Bands of sulphide; 3cm wide; 2-3 bands. 10-15% sulphide as coarse diss. py, sph over 20cm. Bands at 25 deg to CA.
		209 - 214 Bands of sulphide; 1-2 cm wide; 1-2 per metre. 10-15% sulphide over small intervals. Py>sph. bands are 20-40 deg to CA.
		209 - 215 garnets noted as tr-1% crystals; < 2mm. small < 5mm clasts/globs of sulphide throughout. 3% of core generally py, tr

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
192.01	192.60	0.59	385	200	2600	4.7	700
192.60	193.50	0.90	275	27	1300	0.9	160
193.50	193.88	0.38	340	44	1400	1.7	190
193.88	194.02	0.14	6120	650	10000	11.0	750
194.02	194.77	0.75	1140	156	10000	5.0	462
194.77	195.02	0.25	120	390	930	9.2	1400
195.02	196.02	1.00	650	215	7000	7.0	950
196.02	196.56	0.54	1300	215	10000	10.8	700
196.56	196.91	0.35	955	40	1500	1.9	54
196.91	197.65	0.74	1880	52	680	3.2	90
197.65	199.02	1.37	830	86	1000	1.2	26
199.02	200.48	1.46	430	34	960	0.8	28
200.48	201.25	0.77	715	65	2100	0.9	31
201.25	202.70	1.45	370	39	2000	1.0	70
202.70	204.27	1.57	650	31	750	0.7	48
204.27	205.70	1.43	1230	30	600	0.6	26
205.70	207.45	1.75	1740	37	700	2.8	32
207.45	208.78	1.33	1740	74	1500	1.5	108
208.78	209.18	0.40	2680	265	9800	2.4	106
209.18	209.93	0.75	1640	73	2350	2.2	238
209.93	211.08	1.15	1060	205	7850	6.6	960
211.08	211.50	0.42	1640	340	8500	3.5	100
211.50	212.19	0.69	1660	235	6150	3.8	52
212.19	212.53	0.34	1730	295	7100	4.0	90
212.53	214.03	1.50	725	67	1350	1.0	58
214.03	214.88	0.85	450	47	1850	0.6	34
214.88	215.88	1.00	580	42	700	0.8	26
215.88	217.21	1.33	790	37	700	0.8	27

FROM	TO	LITHOLOGICAL DESCRIPTION
		sph. Foliation at 40 deg to CA.
		202 - 218 Minor white to smoky qtz-calc veins; generally < 1cm wide. No increase in sulphides. Veins are 20-45 deg to CA.
		Below 209m, increase in qtz eyes to 3-4% < 5mm grey-blue crystals.
		223 - 224 Bands of sulphide; 1-2 cm wide; 2-3 bands. 10% sulphide as bands of coarse diss. py, sph. Bands are 45 deg to CA; foliation at 40-45 deg to CA.
		At 227.07 15cm wide qtz vein. barren. Upper contact is 15 deg to CA, and lower is 45 deg.
		At 234 Sulphide bands.
		At 235.63 10cm wide smoky qtz vein. Minor py and tour. Contacts are 45 deg to CA.
		At 235.73 lower contact of above QV is a fault gouge. Fault and foliation are 45 deg to CA.
		238.67 - 239.32 Qtz-calc veins with 50% wallrock included throughout. Irregular contacts.
		239.82 - 240.52 Qtz-cal vein with up to 30% wallrock. Py clasts as groups of 5mm crystals. 3-5% of vein. Irregular contacts.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
217.21	218.44	1.23	1400	45	680	0.7	28
218.44	219.95	1.51	680	18	900	0.8	86
219.95	221.39	1.44	675	30	1900	2.1	470
221.39	222.70	1.31	475	36	620	1.5	165
222.70	223.37	0.67	1610	450	4200	13.2	2000
223.37	224.14	0.77	680	415	10000	40.2	4700
224.14	225.50	1.36	210	32	600	1.2	175
225.50	227.08	1.58	160	28	252	0.5	58
227.08	227.23	0.15	3470	13	36	0.6	42
227.23	228.20	0.97	125	31	225	1.0	86
228.20	230.12	1.92	280	13	470	0.8	126
230.12	231.70	1.58	445	20	400	0.5	19
231.70	233.21	1.51	105	22	140	0.2	24
233.21	233.91	0.70	190	16	150	0.2	23
233.91	234.42	0.51	615	23	1800	0.6	22
234.42	235.63	1.21	295	32	380	0.5	8
235.63	235.73	0.10	190	21	435	0.6	5
235.73	236.22	0.49	50	18	178	0.3	2
236.22	237.57	1.35	40	14	310	0.3	2
237.57	238.67	1.10	95	29	580	0.2	6
238.67	239.32	0.65	160	48	150	NIL	12
239.32	239.82	0.50	165	10	170	NIL	12
239.82	240.52	0.70	60	27	130	NIL	35
240.52	242.03	1.51	475	39	300	0.3	70
242.03	243.54	1.51	485	47	530	0.6	110
243.54	244.80	1.26	365	38	450	0.6	60
244.80	244.92	0.12	30	30	405	NIL	12
244.92	245.40	0.48	410	109	3600	0.7	50

FROM	TO	LITHOLOGICAL DESCRIPTION
		At 240 Bedding at 45 deg to CA.
		244.8 - 244.92 Qtz-cal vein. Barren. Contacts are 85 deg to CA.
		246.27 to 246.61 Mafic to intermediate dyke. Highly siliceous. med green with white patches. 3% py throughout as fine diss. crystals. Contacts at 35 deg to CA.
		246.61 to 247.54 2 small mafic to intermediate dykes, similar to above. 1 and 3cm wide. QID/ash in between dykes has green (chloritic) alteration. 3% py throughout as fine diss. crystals. Contacts at 35 deg to CA.
		251.93 - 252.09 Qtz-cal vein with wallrock. Minor sulphides. Irregular contacts at about 15-20 deg to CA.
		Below 252.04 mineralization grades to 3% fine diss. py. Minor sph rare, and occasional gal may be present in fracture-filling, or along qtz vein contacts.
		258.85 - 260 Fault zone with broken and highly fractured core. At 259.0 25cm wide fault gouge. Minor bleaching noted. Fault at 45 deg to CA, and foliation 45 deg to CA. below fault zone there is less bleaching.
		At 266.8 4cm qtz vein with 50-60% calc included. barren. Contacts are 20 deg to CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
245.40	246.27	0.87	150	31	840	0.3	50
246.27	246.61	0.34	60	34	318	0.3	73
246.61	247.54	0.93	170	45	198	0.2	43
247.54	248.40	0.86	440	137	2600	0.8	152
248.40	248.55	0.15	845	149	6000	9.2	580
248.55	249.96	1.41	245	45	1500	2.7	40
249.96	251.50	1.54	845	78	2450	0.8	155
251.50	251.93	0.43	560	42	380	0.6	312
251.93	252.09	0.16	270	70	250	0.8	445
252.09	253.08	0.99	295	33	305	0.2	57
253.08	254.51	1.43	305	51	250	1.1	92
254.51	256.01	1.50	1190	32	360	2.8	122
256.01	257.56	1.55	420	68	800	1.2	320
257.56	258.85	1.29	120	30	365	0.7	205
258.85	260.60	1.75	85	11	242	0.4	16
260.60	262.28	1.68	155	18	310	0.2	12
262.28	263.70	1.42	85	28	210	0.4	34
263.70	265.22	1.52	500	32	470	0.3	105
265.22	266.70	1.48	125	33	148	0.6	70
266.70	268.26	1.56	310	20	195	0.9	68
268.26	269.70	1.44	645	30	125	1.1	45
269.70	271.12	1.42	590	65	310	4.2	272
271.12	271.53	0.41	1310	19	345	4.2	280
271.53	271.77	0.24	245	17	750	7.7	385
271.77	272.80	1.03	45	16	190	1.6	72

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

At 271.77 5cm wide qtz vein with minor calc. Minor py along contacts. Contacts at 80 deg to CA.

At 272.6 10cm wide, barren qtz-calc vein. Contacts at 70-80 deg to CA.

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
77.74	-50.50	281.00
161.59	-45.50	292.00
228.66	-41.00	299.00
271.34	-38.00	304.50
272.80	-38.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649
Collar Eastings: -900.00
Collar Northings: -470.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 270.00
Final Depth: 237.74 metres

Logged by: P.L. Jones
Date: 20/08/96-23/08/96
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	53.34	OVERBURDEN (Ovb)								
53.34	74.08	ASH TUFF/QUARTZ-EYE DACITE (ASH TUFF/QID)	68.64	69.80	1.16	55	13	79	0.3	15
		Intermediate ash to QID. Fine grained, medium grey with approx.	69.80	71.62	1.82	1930	14	114	2.2	13
		2% < 3mm blue grey quartz eyes. Foliation evident as darker	71.62	72.49	0.87	60	24	85	0.4	24
		bands in core. Moderate sericitic alteration. Minor quartz-								
		calcite veins; < 1cm with at least 50% calcite.								
		2-3% *fine diss. py.*								
		Foliation at 30 deg to CA.								
		At 71.4 Band of chlorite/calcite and sulphide min. (5cm). 7% py.								
		72.5 - 74.08 Moderate bleaching present until contact with lower unit. Contact in broken core.								
		At 71.67 1cm wide smoky qtz vein. Py as < 5mm globs of fine crystals.								
74.08	237.74	ASH TUFF/QUARTZ-EYE DACITE (ASH TUFF/QID)	79.25	80.77	1.52	625	28	94	0.6	13
		Fine grained, med grey with very rare to no qtz eyes. Bedding is	80.77	82.14	1.37	895	21	114	0.9	12
		present throughout core as small bands, usually , < 20cm wide	82.14	83.82	1.68	85	15	99	0.3	11
		zones; near top of unit. Moderate sericitic alteration. Qtz veins	83.82	85.34	1.52	80	21	82	0.4	10
		throughout; minor bands < 0.5cm are 1/metre. No increase in	85.34	86.88	1.54	55	20	113	0.4	3
		sulphides and parallel to foliation.	86.88	88.39	1.51	70	10	100	0.4	14

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649

FROM	TO	LITHOLOGICAL DESCRIPTION
		2-3% fine diss. py at top of contact increasing with depth - some areas up to 8% sulphide with py>sph. Sph rare but present in small intervals. Bedding at 30 deg to CA. Foliation is parallel to bedding.
		At 92.8 2cm wide smoky qtz-calc vein. Py along contacts. Sub-parallel to CA.
		At 109.35 3-5cm wide smoky qtz vein with wallrock. Py along contacts. Irregular contacts.
		Bedding noted at 91.54 and 100.78m. From 30-35 deg to CA.
		below 100.78 increased number of sulphide bands from 1-2/box to several/metre. Also, minor bleaching. Sulphides noticeable over < 5cm intervals. Py and sph up to 15%. Sub-parallel.
		At 110.36 Grades into an intermediate Ash/QID facies. Fine to med grained, med grey. grades from tr qtz eyes to 2-3% blue-grey qtz eyes. sericite alteration is moderate throughout. 3-4% fine diss. py with occasional sph present in bands that may be up to 7% sulphide over < 5cm intervals. Py>sph. Tr gal may be present in qtz veins or along contacts. Foliation is 35 deg to CA.
		At 117.22 White qtz-cal vein with wallrock. Py along contacts. Irregular contacts.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
88.39	89.55	1.16	100	16	105	0.4	12
89.55	89.85	0.30	400	56	87	0.9	12
89.85	91.10	1.25	285	20	104	0.7	18
91.10	91.44	0.34	680	20	51	0.8	12
91.44	92.58	1.14	395	17	77	0.7	17
92.58	92.96	0.38	215	5	84	0.8	58
92.96	93.23	0.27	85	6	97	0.4	23
93.23	93.71	0.48	155	5	124	0.4	38
93.71	94.49	0.78	320	9	99	0.4	13
94.49	96.01	1.52	140	15	106	0.4	20
96.01	97.01	1.00	45	18	148	0.4	12
97.01	99.06	2.05	85	22	130	0.3	15
99.06	100.58	1.52	65	25	118	0.3	21
100.58	102.11	1.53	80	21	91	0.4	20
102.11	103.63	1.52	175	39	103	0.6	28
103.63	105.15	1.52	260	17	69	0.6	50
105.15	106.28	1.13	560	22	77	0.9	28
106.28	106.68	0.40	855	36	94	1.6	35
106.68	107.19	0.51	1110	50	270	1.8	86
107.24	107.65	0.41	1500	20	197	1.4	87
107.65	108.03	0.38	1940	51	1100	1.3	104
108.03	108.52	0.49	580	10	315	0.5	42
108.52	109.73	1.21	210	13	210	0.4	25
109.73	110.36	0.63	410	37	92	0.4	5
110.36	110.76	0.40	110	48	145	0.2	4
110.76	111.89	1.13	260	55	94	0.3	5
111.89	112.78	0.89	520	97	68	0.4	5
112.78	113.55	0.77	470	40	44	0.4	10

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649

FROM	TO	LITHOLOGICAL DESCRIPTION
		117.62 - 118.84 Minor fault zone with gouge. fault at 40 deg to CA.
		At 121.92 band of py and sph (5%). Py>sph.
		131.56 - 134.81 Minor fault gouge (< 1cm). Fault at 35 deg to CA, and parallel to foliation.
		131.0 - 146.0 Sulphide bands are < 0.5cm with 2-3 bands/metre. Average sulphide is 105 over small intervals.
		At 141.0 23cm wide smoky qtz vein with minor wallrock included. Includes minor sulphide veins with gal. Contacts are irregular and 20-30 deg to CA.
		At 148.0 Mildly fragmented in appearance; minor fracturing throughout. Foliation is 35 deg to CA.
		156.95 - 157.45 Mafic Dyke. 1-2% fine py. Contacts are 35-40 deg to CA.
		Below 155.4m the rock is more and more fractured. definite movement of 1-10cm noted. Minor banding of sulphide py>>sph. Sph is tr-1%. Total sulphide is 3%. Foliation is 35 deg to CA.
		At 160.8 20cm wide qtz vein with wallrock. Minor sulphide, tr hem. Contacts are 70 deg to CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
113.55	114.54	0.99	90	4	98	0.8	38
114.54	115.36	0.82	230	16	220	0.6	36
115.36	116.12	0.76	320	16	250	0.6	50
116.12	116.85	0.73	300	16	450	0.7	39
116.85	117.62	0.77	215	10	138	0.5	11
117.62	118.84	1.22	430	17	290	0.7	62
118.84	119.12	0.28	335	34	1850	0.8	77
119.12	119.92	0.80	190	22	192	0.5	23
119.92	121.13	1.21	165	21	162	0.4	29
121.13	121.70	0.57	220	16	185	0.5	24
121.70	122.85	1.15	455	16	245	0.4	31
122.85	123.51	0.66	390	15	73	0.4	24
123.51	123.86	0.35	515	17	79	0.6	40
123.86	124.32	0.46	315	15	60	0.2	28
124.32	125.80	1.48	260	19	68	0.3	40
125.80	126.96	1.16	260	22	81	0.3	50
126.96	127.22	0.26	230	7	77	0.2	46
127.22	128.02	0.80	280	12	240	0.4	70
128.02	129.54	1.52	315	17	108	0.3	34
129.54	130.69	1.15	2550	97	950	1.1	35
130.69	131.93	1.24	425	20	132	0.2	24
131.93	132.58	0.65	70	13	137	0.5	90
132.58	134.11	1.53	100	22	128	0.8	62
134.11	134.90	0.79	50	11	86	0.2	27
134.90	135.88	0.98	95	13	162	NIL	20
135.88	136.68	0.80	190	15	173	0.2	30
136.68	137.73	1.05	850	15	165	0.6	80
137.73	138.08	0.35	695	165	3350	9.2	1500

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649

FROM	TO	LITHOLOGICAL DESCRIPTION
		At 163.67 10cm qtz vein with wallrock. Py, hem. Irregular contacts.
		At 164.7 10cm qtz vein with wallrock. Minor calc. Py, hem. Irregular contacts.
		At 165.0 5-10cm qtz vein. Minor calc, py. Irregular contacts.
		At 165.25 10cm wide qtz vein. Upper contact at 20 deg to CA, lower is 45 deg.
		At 165.5 15cm qtz vein. Minor calc, py. Contacts are 45 deg to CA.
		At 165.7 65cm wide qtz-calc vein with wallrock. Py, gal, and hem mostly along irregular contacts.
		At 166.6 40cm wide qtz vein with wallrock. Py, hem. Irregular contacts.
		At 167.95 30cm wide qtz vein with wallrock. 7% py as globs, hem, gal. Contacts are 45 deg to CA.
		179 - 182 Minor bleaching and mild fragmental appearance. Py>sph.
		182 - 185 Sulphide bands. Py>sph.

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
138.08	139.36	1.28	1420	24	184	1.9	205
139.36	140.98	1.62	3980	186	290	8.5	2250
140.98	141.26	0.28	1260	35	133	1.1	360
141.26	142.48	1.22	715	90	800	2.6	270
142.48	143.25	0.77	200	45	184	1.6	112
143.25	143.90	0.65	105	22	184	0.2	29
143.90	144.26	0.36	115	13	134	NIL	27
144.26	144.78	0.52	85	14	165	NIL	21
144.78	146.25	1.47	130	13	104	0.2	28
146.25	147.83	1.58	100	14	171	0.2	36
147.83	149.35	1.52	210	12	79	NIL	17
149.35	150.81	1.46	345	16	53	0.2	19
150.81	152.40	1.59	815	15	112	0.3	19
152.40	154.09	1.69	470	12	128	0.2	22
154.09	155.40	1.31	200	30	103	NIL	12
155.40	156.64	1.24	225	16	300	10.6	216
156.64	157.01	0.37	140	245	86	NIL	6
157.01	158.50	1.49	110	23	102	NIL	6
158.50	159.61	1.11	595	53	118	0.2	6
159.61	160.76	1.15	860	54	137	0.4	10
160.76	161.10	0.34	645	67	108	0.2	13
161.10	162.32	1.22	350	92	320	0.5	18
162.32	163.49	1.17	1030	48	138	0.8	10
163.49	163.83	0.34	470	55	76	0.2	10
163.83	164.32	0.49	875	105	80	0.4	14
164.32	165.07	0.75	575	115	760	0.5	25
165.07	165.67	0.60	290	32	62	0.2	19
165.67	166.54	0.87	170	12	21	0.3	21

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649

FROM	TO	LITHOLOGICAL DESCRIPTION
		At 190.1 15cm wide fault gouge. Fault is parallel to the foliation.
		At 220.6 qtz vein with minor calc. Py, gal. Contacts at 45-60 deg to CA.
		Below 200m grades into a bleached QID with 5-8% blue-grey qtz eyes. Minor qtz veins 1-2/box, < 5cm wide (may contain tour.). 2% fine diss. py throughout. Foliation is 45 deg to CA.
		At 212.2 Fault gouge. Parallel to foliation.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
166.54	167.27	0.73	365	16	27	0.3	28
167.27	167.77	0.50	2000	23	32	0.7	15
167.77	168.43	0.66	1940	28	85	1.2	40
168.43	170.17	1.74	1080	77	280	0.8	85
170.17	170.46	0.29	1640	79	7400	1.2	150
170.46	171.27	0.81	1150	56	440	1.8	270
171.27	172.42	1.15	680	35	240	1.6	262
172.42	173.70	1.28	2640	126	1600	2.6	760
173.70	175.36	1.66	850	80	520	3.9	530
175.36	176.80	1.44	790	83	710	2.5	365
176.80	178.13	1.33	870	36	1000	4.0	375
178.13	178.80	0.67	205300	1350	10000	6.5	2900
178.80	179.80	1.00	700	1500	680	3.6	128
179.80	181.09	1.29	750	50	720	0.7	32
181.09	181.32	0.23	2070	190	3400	2.5	68
181.32	182.90	1.58	460	47	640	1.6	255
182.90	183.51	0.61	300	33	980	1.7	158
183.51	184.01	0.50	845	1000	6700	6.5	1650
184.01	184.97	0.96	215	26	510	1.2	230
184.97	185.31	0.34	1080	25	7200	5.8	1400
185.31	185.90	0.59	500	20	550	1.3	255
185.90	187.20	1.30	425	34	1000	1.7	480
187.20	189.00	1.80	410	50	2050	3.0	348
189.00	190.50	1.50	380	60	620	0.7	31
190.50	191.18	0.68	640	42	590	1.0	60
191.18	192.21	1.03	575	40	510	1.2	82
192.21	193.50	1.29	480	52	720	1.0	128
193.50	194.73	1.23	260	48	850	1.1	204

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649

FROM	TO	LITHOLOGICAL DESCRIPTION

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
194.73	195.67	0.94	850	25	375	0.8	92
195.67	196.60	0.93	2040	290	2500	4.2	780
196.60	196.86	0.26	2400	650	10000	6.7	1680
196.87	197.51	0.64	1000	65	2350	1.3	215
197.51	197.68	0.17	43060	1100	10000	27.5	1770
197.68	199.02	1.34	920	30	550	1.2	70
199.02	200.62	1.60	710	18	350	0.9	32
200.62	200.89	0.27	1180	152	680	2.9	92
200.89	201.79	0.90	570	42	2450	1.4	24
201.79	202.70	0.91	410	17	445	1.0	34
202.70	204.32	1.62	410	16	395	1.1	33
204.32	205.70	1.38	915	52	2200	1.7	45
205.70	207.26	1.56	405	14	405	1.3	30
207.26	207.50	0.24	410	12	325	1.2	44
207.50	208.78	1.28	515	46	600	2.0	NIL
208.78	209.19	0.41	725	980	5500	4.3	NIL
209.19	209.88	0.69	595	40	690	1.5	NIL
209.88	211.78	1.90	3160	191	6000	8.4	NIL
211.78	213.36	1.58	415	28	380	1.6	NIL

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
74.70	-48.00	285.00
138.72	-45.00	290.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9649

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

DEPTH	INCLINATION	BEARING
213.41	-39.00	289.00
237.74	-39.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9650
Collar Eastings: -350.00
Collar Northings: -525.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 270.00
Final Depth: 246.88 metres

Logged by: P.L.J.
Date: 24/08/96-29/08/96
Down-hole Survey: Sperry Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
0.0	47.5	OVERBURDEN (Ovb) cobble bed on bedrock surface							
47.5	61.0	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF) Medium grey, fine grained ash groundmass with 1-2% quartz crystals up to 3-4mm probable grading up hole - from QID to ash. No bedding obvious. Limited veining mm scale. QCV locally with hematite. Py as disseminated grains in groundmass. Py and sph as mm scale bands transecting core.	50.29	50.59	0.30	700	15	270	0.9
			50.59	51.80	1.21	435	112	720	0.8
			51.80	52.47	0.67	470	5	590	0.7
			52.47	52.97	0.50	630	9	325	0.9
			52.97	53.37	0.40	325	6	440	0.5
			53.37	54.90	1.53	375	5	580	0.9
			54.90	56.44	1.54	550	5	177	0.4
			56.44	57.91	1.47	310	5	225	0.3
			57.91	59.43	1.52	525	8	840	0.7
			59.43	61.00	1.57	375	32	880	1.6
61.0	62.6	MAFIC DYKE (Lamp) Dark green, fine grained to medium grained, feldspar pyroxine (now amph?) biot. Up hole contact at 30 deg to CA, down hole broken. Tr. sde.							
62.6	97.76	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF) Continuation of unit at 45.5 to 61.0. More abundant quartz crystals with feldspar at the down hole contact. Bedding contact at 40 deg to CA.	61.86	62.78	0.92	230	32	4000	2.7
			62.78	63.33	0.55	215	21	1650	1.8
			63.33	64.00	0.67	155	43	1300	1.0
			64.00	65.52	1.52	465	68	4000	0.8
			65.52	67.05	1.53	345	44	2900	1.0

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9650

FROM	TO	LITHOLOGICAL DESCRIPTION
		62.6 to 65.9 QID/ASH TUFF. Lower portion of QID/ash tuff cycle from 45.5 to 61.0.
		65.9 to 91.76 Ash tuff with <1% quartz crystals. Bedding negligable. Py sph predominant in bands. 3% overall (2% in
		69.53 to 70.02 Fg Mafic dyke contacts at 45 deg and 55 deg to CA respectively.
91.76	107.18	MAFIC DYKE (Diabase?) Dark green homogeneous fine grained texture. Weakly magnetic throughout. Unfoliated but transected by numerous CV and QCV associated with bx between 101-105. Uphole contact at 10 deg to CA, down hole contact broken and unclear. Narrow mm scale fault/fracture with gouge/clay between 103-105 near parallel to

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	
67.05	67.83	0.78	900	230	29200	2.1	
67.83	68.58	0.75	610	66	5900	2.2	
68.58	69.54	0.96	2200	98	7000	1.6	
70.04	70.93	0.89	430	28	2400	0.8	
			bands). Tr sde.			70.93	71.62
71.62	73.15	1.53	380	25	2150	1.1	
73.15	73.85	0.70	170	24	3600	0.6	
73.85	74.71	0.86	410	28	3450	0.6	
74.71	76.20	1.49	345	36	2150	0.5	
76.20	77.67	1.47	130	34	2850	0.3	
77.67	79.00	1.33	80	28	2350	0.7	
79.00	79.24	0.24	560	120	12700	1.3	
79.24	79.54	0.30	135	89	12500	0.9	
79.54	80.79	1.25	90	36	7600	1.5	
80.79	82.29	1.50	50	25	2600	0.4	
82.29	83.84	1.55	30	24	1400	0.6	
83.84	85.34	1.50	65	34	3550	0.8	
85.34	86.82	1.48	50	18	1750	0.5	
86.82	88.39	1.57	120	69	2450	0.9	
88.39	90.90	2.51	255	43	1550	0.4	
90.90	91.71	0.81	205	15	590	0.4	

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		CA. Minor carb mineralization in the groundmass associated with CV and bx. Tr sde. Narrow F2 paralleling core axis.							
107.18	128.71	MAFIC DYKE/QUARTZ-EYE DACITE (MAFIC DYKE/QID) Dark green dykes, medium grey QID. Mafic dykes of dm scale occur from 107.58 to 128.71. The remainder of the interval is composed of QID/Ash heterogeneous textured and fractured bx in association with the faulting observed up hole in the mafic dykes. Carb and sericite mineralization throughout as a result of the deformation. Sulphide content variable from tr to >5% over intervals of <1m - averages 2-3%. Predominantly pyrite with minor sph and rare cpy. 107.58 to 107.98 bx with gouge contacts indistinct. 111.12 to 111.35 Up hole and down hole contacts at 20 to 30 deg to CA chilled. 111.73 to 111.98 Contact very irregular near parallel to CA. 112.21 to 113.47 Extensive fracturing CV. 115.62 to 116.52 Up hole contact at 10 deg to CA. Down hole contact at 20 deg. 117.2 to 117.6 Up hole and down hole contacts at 20 deg to CA.	108.00	109.72	1.72	505	35	2000	1.3
			109.72	110.85	1.13	380	28	2450	1.3
			113.57	115.07	1.50	565	72	4250	1.1
			115.07	115.71	0.64	815	74	2250	0.8
			115.93	117.22	1.29	610	104	3450	1.4
			117.22	117.65	0.43	100	66	980	0.8
			117.65	118.89	1.24	355	49	3400	1.0
			118.89	120.39	1.50	540	30	780	1.5
			120.39	121.84	1.45	220	44	1150	2.7
			121.84	122.84	1.00	180	94	1000	1.3
			122.84	123.40	0.56	160	42	2200	1.4
			123.40	124.96	1.56	190	22	1950	0.7
			124.96	126.51	1.55	190	35	3750	0.9
			126.51	126.86	0.35	110	46	1500	0.6
			126.86	128.01	1.15	50	20	1500	0.7

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		121.82 to 122.32 Irregular dyke at near parallel to CA.							
		123.36 to 123.43 Mafic dyke up hole and down hole contacts near normal to CA.							
		123.63 to 123.91 Mafic dyke up hole contact at 30 deg to CA. Down hole contact near normal to CA.							
		127.58 to 127.73 Mafic dyke up hole and down hole contacts at 70 deg to CA.							
		128.38 t0 128.71 Mafic dyke up hole and down hole contacts at 20-30 deg to CA.							
128.71	163.8	ASH TUFF (ASH TUFF)	128.01	129.38	1.37	115	205	3600	2.3
		Light to medium grey. Very few quartz crystals noted (<1%).	129.38	130.18	0.80	35	69	680	0.5
		predominantly composed of ash tuff with probable bedding	130.18	130.52	0.34	300	320	29200	2.6
		occurring throughout at 30-40 deg to CA. Essentially no veining	130.52	132.05	1.53	110	76	220	2.3
		although local concentrations of sulphide bonds do occur 131-144.	132.05	132.96	0.91	35	4	260	0.2
		Compositional variation occurs within the interval.	132.96	134.13	1.17	180	10	1300	1.3
		Limited carb mineralization, sericite throughout. Sulphide py and	134.13	134.43	0.30	105	9	1300	0.6
		sph throughout as fine disseminations and bands 3% overall.	134.43	135.56	1.13	120	24	1350	2.1
		Sericite more abundant between approx. 148-163.8 where	135.56	136.18	0.62	125	64	5500	2.2
		deformation is greatest. Pockets of green fluorite (?) noted at	136.18	137.39	1.21	50	60	530	0.7
		154.7.	137.39	137.82	0.43	85	32	790	0.9
		Kink banding noted at 133m.	137.82	138.12	0.30	145	46	1300	0.8
			138.12	138.22	0.10	175	88	430	3.3

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9650

FROM	TO	LITHOLOGICAL DESCRIPTION
		138.80 to 138.97 Mafic dyke up hole and down hole contacts at 35 deg to CA.
		145.8 to 146.05 Mafic dyke up hole and down hole contacts at 20 deg to CA.
		146.45 to 146.26 Mafic dyke up hole contact at 50 deg to CA

			ASSAYS			
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	
138.22	139.20	0.98	110	30	375	0.6	
139.20	139.69	0.49	270	65	960	1.6	
139.69	140.05	0.36	70	35	730	0.7	
140.05	140.72	0.67	275	24	250	0.6	
140.72	141.37	0.65	100	36	1850	0.8	
141.37	141.75	0.38	55	46	1150	0.5	
			down hole contact at 30 dg to CA.				141.75
143.30	144.82	1.52	10	16	58	0.3	
144.82	145.86	1.04	20	12	59	0.2	
145.86	146.49	0.63	40	12	57	0.5	
146.49	147.31	0.82	100	18	81	0.3	
147.31	147.87	0.56	30	15	41	0.3	
147.87	148.55	0.68	80	32	102	0.4	
148.55	149.04	0.49	455	49	1550	1.1	
149.04	150.52	1.48	140	37	730	0.6	
150.52	151.59	1.07	60	24	320	0.5	
151.59	151.97	0.38	100	148	7000	1.1	
151.97	152.40	0.43	65	74	4100	0.9	
152.40	153.19	0.79	40	33	3300	0.7	
153.19	153.61	0.42	70	130	10800	3.0	
153.61	154.55	0.94	65	90	4900	2.3	
154.55	155.40	0.85	50	47	2400	1.9	
155.40	156.92	1.52	20	10	156	0.4	
156.92	158.50	1.58	60	29	285	1.0	
158.50	158.75	0.25	90	24	220	1.0	
158.75	160.26	1.51	90	83	140	2.9	
160.26	161.50	1.24	45	53	102	1.8	
161.50	162.12	0.62	160	120	265	4.2	

FROM	TO	LITHOLOGICAL DESCRIPTION
163.8	167	MAFIC DYKE (MAFIC DYKE) Dark green fine grained mafic dyke as observed elsewhere in the hole. Contacts are irregular and near parallel to core axis. Section of ash tuff from 164.9 to 165.3. Tr sde.
167.0	177.09	QUARTZ-EYE DACITE (QID) Gradation of interval up hole of mafic dyke with more abundant quartz crystals (approx. 2%). Texturally similar. 1-2% disseminated sulphide, pyrite. Local green fluorite (?) noted (accessory). Well foliated, fractured. Minor gouge developed.
177.09	182.68	MAFIC DYKE/ASH (MAFIC DYKE/ASH) QID/ASH intruded by several narrow dm scale mafic dykes. General reduction in the abundance of quartz crystals from immediately up hole. 177.09 to 177.86 Mafic dyke up hole and down hole contacts at 30 deg to CA. 178.05 to 178.3 Mafic dyke up hole contact at 30 deg to CA. Down hole contact broken. 178.9 to 179.7 Mafic dyke, bx with CV runs near parallel to CA.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
162.12	163.02	0.90	20	20	38	0.3
163.02	164.23	1.21	100	66	620	0.6
165.99	167.60	1.61	195	105	1360	0.8
167.60	169.12	1.52	600	84	2100	2.0
169.12	170.60	1.48	120	34	150	0.7
170.60	172.12	1.52	80	30	54	0.8
172.12	173.70	1.58	50	24	100	0.9
173.70	175.22	1.52	165	102	2400	5.1
175.22	176.80	1.58	65	32	2400	0.8
176.80	177.07	0.27	180	29	1250	0.5
179.65	181.70	2.05	470	100	76	1.0

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		Local gouge.							
		181.2 to 181.8 Mafic dyke contacts at 30 deg to CA, CV, bx. Broken core - core interval expanded.							
		182.0 to 182.03 Mafic dyke contacts at 30 deg to CA, CV, bx.							
		182.2 to 182.3 Mafic dyke contacts at 20 deg to CA, CV, bx.							
		182.6 to 182.8 Mafic dyke contacts at 30 deg to CA, CV, bx.							
182.68	188.0	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF)	181.70	182.90	1.20	550	20	295	1.1
		Medium grey 1-2% quartz crystals throughout, otherwise	182.90	184.43	1.53	230	40	52	0.6
		homogeneous ash.	184.43	185.90	1.47	1850	20	40	1.3
		Tr 1% sde, pyrite as disseminated grains.	185.90	187.43	1.53	605	21	42	0.5
188.0	198.12	FAULT ZONE (FAULT ZONE)	187.43	189.00	1.57	185	29	138	0.4
		Contacts arbitrary and gradational. Host rock predominantly	189.00	190.50	1.50	860	52	160	1.2
		QID/ash with subordinate mafic dykes. Approx. 70% of interval is	190.50	192.02	1.52	10	48	93	0.2
		composed of broken fragments with remainder strongly foliated	192.02	196.59	4.57	425	19	58	0.6
		rock.	196.59	198.12	1.53	490	55	1450	1.2
		Abundant sericite mineralization throughout. Sulphide content tr 2% predominantly py with local sph.							
		F2 zone occurring as opened/unhealed breccia/fragments with adjacent rock stronly foliated and locally kink banded.							
		Lost core approx. 2.5m from191-196m.							
		189.0 to 189.2 Mafic dyke broken gouge.							

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm
		191.6 to 191.72 Mafic dyke broken.							
		197.32 to 197.9 Mafic dyke narrow CV. Up hole contact at 25 deg to CA, down hole contact near normal.							
198.12	199.86	QUARTZ-EYE DACITE (QID) Continuation of interval above with decreased foliation.							
199.86	206.08	MAFIC DYKE (MAFIC DYKE) dark green, fine grained locally fsp phyric. Up hole contact at 30 deg to CA. Down hole contact at 30 deg to CA. Generally tr sde, local pyrite aggregates.	198.12	199.94	1.82	640	32	1900	2.3
206.08	246.88	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF) Medium green, heterogeneous texture. Quartz crystals occur through interval to approx. 238.8. Down hole from 238.8, interval is essentially ash tuff. Sulphide content variable from trace to 4-5%. 238.8 to 246.88 Most abundant sulphide (py, sph) in ash tuff where sulphide content is 3-5%.	206.28	207.20	0.92	200	80	132	0.5
			207.20	208.76	1.56	175	30	58	0.4
			208.76	210.31	1.55	205	60	32	0.6
			210.31	211.83	1.52	90	23	40	0.4
			211.83	213.36	1.53	55	30	140	0.4
			213.36	214.88	1.52	120	12	55	0.2
			214.88	216.40	1.52	110	15	47	NIL
			216.40	217.92	1.52	40	14	58	0.2
			217.92	219.45	1.53	60	16	65	0.2
			219.45	220.97	1.52	35	15	50	NIL
			220.97	222.50	1.53	25	13	43	0.2
			222.50	223.96	1.46	35	26	44	0.2
			223.96	224.52	0.56	130	40	67	0.7
			224.52	225.50	0.98	60	25	60	0.3

FROM	TO	LITHOLOGICAL DESCRIPTION

ASSAYS						
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
225.50	227.02	1.52	160	94	1000	4.9
227.02	228.60	1.58	55	12	440	1.5
228.60	230.12	1.52	260	32	1650	9.2
230.12	231.60	1.48	220	61	1800	10.2
231.60	233.12	1.52	85	62	1050	7.0
233.12	233.99	0.87	185	68	830	7.3
233.99	234.70	0.71	450	280	9500	63.0
234.70	235.78	1.08	145	70	1550	8.5
235.78	236.18	0.40	80	18	1800	3.8
236.18	237.62	1.44	40	10	187	0.7
237.62	238.63	1.01	90	40	510	1.8
238.63	240.23	1.60	60	19	114	1.1
240.23	240.80	0.57	100	30	102	2.0
240.80	241.33	0.53	75	37	99	2.2
241.33	242.81	1.48	70	22	61	1.4
242.81	243.59	0.78	175	56	160	4.0
243.59	243.95	0.36	50	72	210	3.7
243.95	245.51	1.56	70	116	108	5.6
245.51	246.88	1.37	85	40	420	2.3

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
58.00	-49.50	268.00
121.00	-44.50	287.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9650

FROM	TO	LITHOLOGICAL DESCRIPTION			FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm
		DEPTH	INCLINATION	BEARING							
		189.00	-41.00	293.00							
		244.00	-38.00	292.00							
		246.88	-38.00								

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9651
Collar Eastings: -350.00
Collar Northings: -620.00
Collar Elevation: 3.00
Grid: Rich

Collar Inclination: -65.00
Grid Bearing: 0.00
Final Depth: 274.39 metres

Logged by: P.L.Jones
Date: 05/09/96-
Down-hole Survey:

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
0.0	11.56	OVERBURDEN (Ovb)												
11.56	51.98	DIABASE (DIAB) Dark green, fine to medium grained, homogeneous texture. Sub-ophitic. Magnetic. Tr epid. Tr sulphide Chilled downhole contact at approx. 70 deg to the CA.												
51.98	163.01	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF) As observed in other DDH's, probable grading cycle from ash (possibly bedded) uphole to qtz xl tuff downhole. Gradation defined by increase in qtz xl content. Limited veining comprising <3% of volume (QCV). Bleaching at uphole content - thermal met. at diabase contact. Sericite (dominant) occurs throughout as lamellae and irregular bands. Weak carb. min. along narrow seams. Local hem. min. on fractures. Approx. 1-2% fine diss. py in groundmass. Rare sulphide aggregates usually associated with fractures/veins - comprise <1% of mode. Well developed foliation/bedding at uphole contact at 60-70 deg to the CA. 64.0 to 71.77 Lighter (light grey) and coarser grained than uphole and downhole. Qtz xls, 2% of mode.	113.07	113.54	0.47	260	33	2500	3.3	70	NIL	NIL	NIL	NIL
			113.54	113.91	0.37	985	45	3250	5.8	40	NIL	NIL	NIL	NIL
			113.91	114.12	0.21	150	15	760	2.1	21	NIL	NIL	NIL	NIL
			114.12	114.51	0.39	1060	61	720	9.7	200	NIL	NIL	NIL	NIL
			118.54	118.87	0.33	540	72	4400	20.5	360	NIL	NIL	NIL	NIL
			118.87	119.34	0.47	215	9	485	1.4	8	NIL	NIL	NIL	NIL
			119.34	120.45	1.11	235	11	1650	1.7	13	NIL	NIL	NIL	NIL
			120.45	121.44	0.99	325	45	7550	3.7	40	NIL	NIL	NIL	NIL
			121.44	121.92	0.48	1040	53	10000	6.6	80	NIL	NIL	NIL	NIL
			121.92	122.24	0.32	255	36	3500	2.1	50	NIL	NIL	NIL	NIL
			122.24	122.57	0.33	180	19	2850	1.8	52	NIL	NIL	NIL	NIL
			122.57	123.11	0.54	290	18	2700	2.1	17	NIL	NIL	NIL	NIL
			123.11	123.30	0.19	300	32	10000	2.0	5	NIL	NIL	NIL	NIL
			123.30	123.99	0.69	110	16	10000	1.4	12	NIL	NIL	NIL	NIL
			124.61	125.79	1.18	100	26	5100	2.4	24	NIL	NIL	NIL	NIL
			125.79	125.96	0.17	130	13	10000	4.4	27	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9651

FROM	TO	LITHOLOGICAL DESCRIPTION
		71.77 to 90.74 Ash/QID cycle.
		77.5 - 90.0 Sulphide aggregates in fracture/veins and irregular patches associated with quartz and calcite.
		90.74 to 117.44 ASH/QID cycle. From approx. 99m lapilli sized fragments of QID/Ash in a QID/Ash matrix.
		Barren milky QV at 105.3-105.5, 105.8-106.04, 106.1-106.15, 107.8-108.2, 108.38-108.45, 108.61-108.88, 112.94-113.12,. Possible bedding planes noted at approx. 70 deg to the CA.
		Below 108.2m the sulphide content in the groundmass increased to 3-4% of mode. Sph noted locally.
		117.44 to 134.0 Ash tuff/QID - consistent qtz xls content throughout - approx. 2% overall. banding/bedding at 60-70 deg to the CA.
		Sulphide banding occurs periodically throughout composed of py and sph - generally < 3mm wide, oriented at high angle to CA (i.e. 60 deg plus).
		Downhole contact arbitrary - based upon absence of qtz xls downhole, gradational.
		123.93 to 124.63 Dark green, fine grained mafic dyke. Chilled contact, weakly magnetic.
		Fine diss. sulphides in the groundmass - overall 4%.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
125.96	127.12	1.16	200	18	3550	2.0	26	NIL	NIL	NIL	NIL
127.12	127.46	0.34	130	34	10000	2.5	15	NIL	NIL	NIL	NIL
127.46	127.81	0.35	150	34	2600	1.8	22	NIL	NIL	NIL	NIL
127.81	127.98	0.17	135	56	970	4.5	62	NIL	NIL	NIL	NIL
127.98	128.41	0.43	65	24	4750	1.9	33	NIL	NIL	NIL	NIL
128.41	129.98	1.57	200	16	1600	1.6	24	NIL	NIL	NIL	NIL
129.98	130.47	0.49	140	17	3450	2.6	65	NIL	NIL	NIL	NIL
130.47	130.71	0.24	380	18	7950	5.6	445	NIL	NIL	NIL	NIL
145.37	145.52	0.15	100	9	255	0.6	43	NIL	NIL	NIL	NIL
145.52	146.84	1.32	265	28	1350	2.6	110	NIL	NIL	NIL	NIL
146.84	148.41	1.57	1050	15	1050	2.6	21	NIL	NIL	NIL	NIL
148.41	148.65	0.24	2260	67	9400	5.8	27	NIL	NIL	NIL	NIL
148.65	148.89	0.24	1830	130	4850	8.2	22	NIL	NIL	NIL	NIL
148.89	149.12	0.23	10900	95	10000	24.8	30	NIL	NIL	NIL	NIL
149.12	149.71	0.59	4050	20	2700	3.8	36	NIL	NIL	NIL	NIL
149.71	150.62	0.91	640	18	1300	2.7	90	NIL	NIL	NIL	NIL
150.62	150.88	0.26	980	57	10000	1.6	13	NIL	NIL	NIL	NIL
150.88	152.18	1.30	765	25	1350	0.5	10	NIL	NIL	NIL	NIL
152.65	153.92	1.27	685	37	1750	1.2	11	NIL	NIL	NIL	NIL
153.92	154.55	0.63	410	37	1500	0.5	4	NIL	NIL	NIL	NIL
154.55	154.92	0.37	610	40	4300	1.0	5	NIL	NIL	NIL	NIL
154.92	155.70	0.78	1360	36	1700	0.7	7	NIL	NIL	NIL	NIL
155.70	156.97	1.27	1260	35	1850	1.3	70	NIL	NIL	NIL	NIL
156.97	157.44	0.47	770	43	3400	1.0	44	NIL	NIL	NIL	NIL
157.44	158.25	0.81	595	51	3450	1.0	31	NIL	NIL	NIL	NIL
158.25	158.69	0.44	735	69	7450	1.1	50	NIL	NIL	NIL	NIL
158.69	160.02	1.33	520	36	620	1.0	118	NIL	NIL	NIL	NIL
160.02	161.58	1.56	630	56	920	1.4	130	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
		Contacts at 70 deg to the CA.	161.58	163.00	1.42	860	89	1350	1.6	50	NIL	NIL	NIL	NIL
		Narrow mafic dykes (cm scale) at 128.79, 128.88, and 129.46m.												
		134.0 to 163.01 Ash Tuff/QID cycle. As described in other intervals. Initially ash with no qtz xls grading to an ash-xl tuff with variable qtz xl content up to 2-3% by vol. Crude banding/bedding at 60-70 deg to the CA. Possible rare, individual garnets noted - 2-3 occurrences.												
		Similar to that described above. fine diss. py and minor sph. in groundmass comprising 2% of mode. Banding/fracture filling sulphide composed of sph and py. Usually at high angle to CA and usually < 5mm thick occur on average approx. 3 bands/1.5m between approx. 145 and downhole contact. Sulphides often associated with qtz, carb, chl.												
		137.18 to 137.43 Diabase dykes, chilled contact, fg, fsp phyric, sub-ophitic texture.												
		138.7 to 140.23 Diabase dyke, sub-ophitic texture, chilled contacts.												
163.01	167.06	HYBRID ZONE (HYBR ZONE)	163.00	163.12	0.12	105	174	520	1.0	15	NIL	NIL	NIL	NIL
		Composed of cm-dm scale mafic dykes (visible feldspar) and QID/	163.12	163.32	0.20	465	88	720	0.9	29	NIL	NIL	NIL	NIL
		Ash tuff. QID/Ash is a continuation of the interval described	163.32	163.61	0.29	75	68	340	0.5	10	NIL	NIL	NIL	NIL
		immediately uphole with approx. 2% qtz xls.	163.61	164.14	0.53	95	42	620	0.3	7	NIL	NIL	NIL	NIL
			164.14	164.52	0.38	60	31	470	0.5	31	NIL	NIL	NIL	NIL
		163.01 to 163.12 Mafic dyke contacts near normal to CA. Fine	164.52	164.79	0.27	335	57	120	0.5	8	NIL	NIL	NIL	NIL
		grained.	164.79	164.98	0.19	75	30	182	1.2	65	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
			164.98	166.12	1.14	420	21	435	0.5	45	NIL	NIL	NIL	NIL
		163.33 to 163.63 Mafic dyke, uphole contact 70 deg to CA, downhole at 35 deg.	166.12	167.04	0.92	250	55	1300	0.5	54	NIL	NIL	NIL	NIL
		164.13 to 164.39 Mafic dyke. irregular, embayed contact uphole at 50 deg to CA, downhole contact at approx. 40-50 deg to CA.												
		164.39 to 164.76 Mixed mafic dyke/QID. Cm scale dykes at 164.45, 164.52, 164.66 (centre points). Contacts are irregular, but at high angle to CA. 2-25% diss. py in mafic dykes.												
		164.76 to 164.96 Mafic dyke, uphole contact at 80 deg to CA, downhole at > 80 deg. 3% diss. py.												
167.06	182.8	MAFIC-ULTRAMAFIC INTRUSION (MAF-UM INT)	167.04	168.00	0.96	25	9	240	0.4	12	NIL	NIL	NIL	NIL
		Zone of mixed lithologies.	168.00	168.94	0.94	35	14	205	0.7	7	NIL	NIL	NIL	NIL
			168.94	169.67	0.73	50	30	102	0.2	23	NIL	NIL	NIL	NIL
		167.06 to 168.88 Mafic-ultramafic(?) intrusion. Fine grained.	169.67	170.58	0.91	15	4	120	0.2	14	NIL	NIL	NIL	NIL
		Lower feldspar content than those described uphole, but still	170.58	170.69	0.11	NIL	11	155	0.3	8	NIL	NIL	NIL	NIL
		visible, hence mafic composition. Reacts with HCl.	170.69	172.21	1.52	80	550	NIL	1.1	NIL	66	730	60	202
		5% diss. py.	172.21	173.74	1.53	44	225	NIL	0.6	NIL	58	620	35	110
		Uphole contact at 65 deg, downhole at 40 deg.	173.74	174.60	0.86	66	720	NIL	1.9	NIL	73	1350	170	420
			174.60	176.00	1.40	176	1100	NIL	1.5	NIL	88	1950	155	612
		168.88 to 169.54 QID.	176.00	176.38	0.38	118	470	NIL	0.7	NIL	31	196	5	42
			176.38	177.49	1.11	96	580	NIL	0.9	NIL	65	1200	130	472
		169.54 to 176.03 Ultramafic intrusion - pyroxenite. Uphole	177.49	178.89	1.40	104	650	NIL	1.2	NIL	64	1150	95	316

FROM	TO	LITHOLOGICAL DESCRIPTION
		contact with abundantly milky qtz to 170.27 (barren). Remainder of intrusion fine to medium grained pyroxenite (pyrox - biotite - mag).
		Tr sulphide. Py, po as aggregates up to 1cm. Rare cpy comprises 3-4% of mode - no increased conc. at downhole contact.
		176.03 to 179.87 Mafic-ultramafic intrusion. Initially feldspar phyric (fsp laths up to 5-6mm - possible schiller?) to 176.38m. Becomes pyroxenitic below 176.3 (as from 169.54-175.95). Sulphide content increases with depth. initially as above. from 178.31 to 181.4m, py, po comprise 10% of mode, po as finer aggregates interstitial to silicates, and py as coarse euhedral xls.
		Contact with intrusion uphole at 80 deg to CA.
		179.87 - 181.32 Semi-massive sulphide. Initially 40% sulphide grading to 70%+. Silicates composed of dark green black pyroxene/ chl/serp. Net textured/intercumulate.
		181.4 - 182.85 Semi-massive sulphide. Po predominates in groundmass with py as coarser grained aggregates. Cpy occurs from 182.33m Po>Py>Cpy. 60% overall; 45% po, 10% py, 5% cpy (all near downhole contact).
		181.32 - 182.8 Massive sulphide, effectively all sulphide with accessory magnetite and rare silicate aggregates. Sulphide graded from po-rich to cpy-rich base.
		Predominately po as groundmass to other sides. Possible pent

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
178.89	179.87	0.98	886	3800	NIL	5.8	NIL	230	3700	590	1540
179.87	180.33	0.46	648	3000	NIL	4.5	NIL	240	16100	1020	2496
180.33	180.82	0.49	352	8000	NIL	12.0	NIL	350	23000	1290	3040
180.82	181.02	0.20	120	10000	NIL	13.8	NIL	490	23300	2550	3564
181.02	181.32	0.30	1020	48100	NIL	52.3	NIL	0	25000	840	4060
181.32	181.73	0.41	420	19200	NIL	32.0	NIL	0	46800	2660	7140
181.73	182.40	0.67	780	28800	NIL	53.8	NIL	0	47000	8120	17500
182.40	182.68	0.28	240	25100	NIL	44.0	NIL	0	45100	5040	11060
182.68	182.80	0.12	600	10600	NIL	120.0	NIL	0	23900	4760	7980

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
		observed as wispy patches on cut faces. Py occurs as coarse, euhedral crystals, and cpy as irregular aggregates in the po groundmass, except at the downhole contact, where cpy dominates in a 10cm wide band. Up hole contact with overlying semi-massive sulphide (net textured) at 20 deg to CA. Downhole contact with QID/Ash at 20 deg to CA. Contacts abrupt unfaulted.											
182.8	274.39	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF)	182.80	182.96	0.16	472	19900	NIL	23.5	NIL	210	2100	1120	17850
		Light to medium grey. Ash with low qtz xl content (< 2%). Garnets	182.96	183.65	0.69	135	260	1330	0.6	NIL	NIL	NIL	NIL	NIL
		occur throughout as individual grains in the groundmass and as	183.65	184.35	0.70	280	870	2300	1.4	NIL	NIL	NIL	NIL	NIL
		grains and aggregates in veins with qtz, chl, plus/minus	184.35	185.55	1.20	480	395	1560	1.2	NIL	NIL	NIL	NIL	NIL
		sulphides. Individual garnet xls may attain 5mm, generally less.	185.55	186.13	0.58	455	220	2300	1.8	NIL	NIL	NIL	NIL	NIL
		Locally can comprise > 5% over dm intervals. Garnets are	186.13	186.40	0.27	975	115	3000	1.4	NIL	NIL	NIL	NIL	NIL
		particularly well developed throughout the interval from the	186.40	186.75	0.35	107040	4200	10000	84.0	NIL	NIL	NIL	NIL	NIL
		uphole contact to 208m (~2-3%). Downhole from 208 the garnets	186.75	187.08	0.33	370	87	380	1.7	NIL	NIL	NIL	NIL	NIL
		occur sporadically as individual grains to EOH.	187.08	187.62	0.54	810	425	520	4.7	NIL	NIL	NIL	NIL	NIL
		Sulphide occurs throughout as diss. grains and aggregates and as	187.62	187.82	0.20	2710	360	115	4.5	NIL	NIL	12	NIL	NIL
		bands/fracture-filling. Py>Sph>Cpy comprise 8% + of interval.	187.82	188.98	1.16	600	405	430	5.2	NIL	NIL	19	NIL	NIL
			188.98	189.56	0.58	410	410	620	6.6	NIL	NIL	17	NIL	NIL
		184.31 to 196.5 QID/Ash tuff - low qtz xl content of < 2%.	189.56	189.91	0.35	390	149	210	2.0	NIL	NIL	15	NIL	NIL
		Bleached light grey. transected by numerous mm scale fractures at	189.91	190.21	0.30	370	102	355	1.4	NIL	NIL	16	NIL	NIL
		random angles to CA.	190.21	190.97	0.76	545	112	790	1.7	NIL	NIL	17	NIL	NIL
		All appear to be mineralized with Py>Sph>Cpy. Rough estimate	190.97	192.02	1.05	320	68	2700	1.3	16	NIL	20	NIL	NIL
		of 20 fractures/m.	192.02	193.55	1.53	465	65	1900	1.0	17	NIL	NIL	NIL	NIL
			193.55	194.39	0.84	5090	340	8700	9.2	145	NIL	NIL	NIL	NIL
		196.5 to 235 QID/Ash grading cycle. Initially ash tuff, qtz xls	194.39	195.01	0.62	2840	360	4100	4.4	220	NIL	NIL	NIL	NIL
		absent to approx. 216.5 and rare (<< 1%) to 235. Bedding noted	195.01	195.63	0.62	3580	1750	10000	23.8	2150	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9651

FROM	TO	LITHOLOGICAL DESCRIPTION
		sporadically throughout at 50-60 deg to CA. Milky QV with sulphide at 206.06 to 206.38m. Fracture density reduced to < 50% of interval uphole.
		Continued sulphide mineralization but fracturing is significantly reduced over interval immediately uphole. Py>Sph>Cpy, 5% overall.
		235 to 274.39 QID. Possible coarser frags/clasts towards downhole contact. Possible bedding noted at 259-260m at 60-70 deg to CA.

			ASSAYS								
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
195.63	196.39	0.76	1880	1050	3300	82.0	1200	NIL	NIL	NIL	NIL
196.39	196.57	0.18	765	2250	700	17.8	110	NIL	NIL	NIL	NIL
196.57	198.12	1.55	525	235	560	4.3	50	NIL	NIL	NIL	NIL
198.12	199.43	1.31	605	109	1550	3.1	31	NIL	NIL	NIL	NIL
199.43	199.80	0.37	230	137	1200	3.1	28	NIL	NIL	NIL	NIL
199.80	200.77	0.97	795	405	230	7.0	30	NIL	NIL	NIL	NIL
200.77	201.66	0.89	460	93	3000	3.0	35	NIL	NIL	NIL	NIL
201.66	201.93	0.27	1330	2000	2650	16.8	260	NIL	NIL	NIL	NIL
201.93	202.35	0.42	8340	1050	2750	24.5	440	NIL	NIL	NIL	NIL
202.35	203.05	0.70	1500	440	1500	4.5	92	NIL	NIL	NIL	NIL
203.05	203.35	0.30	35310	6200	1950	46.0	700	NIL	NIL	NIL	NIL
203.35	204.21	0.86	2660	135	2000	3.3	120	NIL	NIL	NIL	NIL
204.21	205.31	1.10	4610	77	375	6.8	245	NIL	NIL	NIL	NIL
205.31	206.06	0.75	1390	64	275	2.1	55	NIL	NIL	NIL	NIL
206.06	206.38	0.32	1990	750	225	12.2	70	NIL	NIL	NIL	NIL
206.38	207.26	0.88	325	114	145	2.0	23	NIL	NIL	NIL	NIL
207.26	208.56	1.30	150	56	254	1.6	48	NIL	NIL	NIL	NIL
208.56	208.86	0.30	545	400	2650	11.7	182	NIL	NIL	NIL	NIL
208.86	210.31	1.45	1800	176	340	5.3	78	NIL	NIL	NIL	NIL
210.31	211.83	1.52	770	500	1900	12.2	860	NIL	NIL	NIL	NIL
211.83	212.46	0.63	345	57	112	2.3	62	NIL	NIL	NIL	NIL
212.46	212.87	0.41	3260	315	2150	24.8	1800	NIL	NIL	NIL	NIL
212.87	214.14	1.27	525	112	570	4.8	285	NIL	NIL	NIL	NIL
214.14	214.62	0.48	1740	790	3750	25.2	2050	NIL	NIL	NIL	NIL
214.62	215.83	1.21	365	55	165	2.4	112	NIL	NIL	NIL	NIL
215.83	216.40	0.57	605	82	2350	2.2	275	NIL	NIL	NIL	NIL
216.40	217.64	1.24	825	55	1850	2.4	312	NIL	NIL	NIL	NIL
217.64	218.28	0.64	365	250	5700	10.3	2300	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9651

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
218.28	219.45	1.17	210	133	3350	9.0	1900	NIL	NIL	NIL	NIL
219.45	220.97	1.52	255	25	225	2.8	94	NIL	NIL	NIL	NIL
220.97	222.51	1.54	200	21	142	3.6	54	NIL	NIL	NIL	NIL
222.51	224.03	1.52	110	16	172	2.4	50	NIL	NIL	NIL	NIL
224.03	225.55	1.52	280	18	250	6.0	68	NIL	NIL	NIL	NIL
225.55	227.08	1.53	125	16	140	3.6	34	NIL	NIL	NIL	NIL
227.08	228.60	1.52	160	16	132	2.1	35	NIL	NIL	NIL	NIL
228.60	230.12	1.52	105	41	155	5.4	52	NIL	NIL	NIL	NIL
230.12	231.64	1.52	155	27	140	4.1	52	NIL	NIL	NIL	NIL
231.64	233.17	1.53	135	21	120	2.0	36	NIL	NIL	NIL	NIL
233.17	234.69	1.52	200	25	155	3.7	73	NIL	NIL	NIL	NIL
234.69	236.21	1.52	355	26	185	4.2	78	NIL	NIL	NIL	NIL
236.21	237.74	1.53	215	20	310	2.8	52	NIL	NIL	NIL	NIL
237.74	239.26	1.52	180	29	420	6.8	260	NIL	NIL	NIL	NIL
239.26	240.89	1.63	130	27	196	6.0	63	NIL	NIL	NIL	NIL
240.89	242.31	1.42	100	36	266	5.2	102	NIL	NIL	NIL	NIL
242.31	243.07	0.76	200	22	850	8.0	168	NIL	NIL	NIL	NIL
243.07	243.89	0.82	155	58	280	6.5	140	NIL	NIL	NIL	NIL
243.89	245.41	1.52	65	32	132	2.5	34	NIL	NIL	NIL	NIL

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
19.82	-64.00	0.00
76.22	-60.50	1.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9651

FROM	TO	LITHOLOGICAL DESCRIPTION

DEPTH	INCLINATION	BEARING
137.20	-57.50	4.00
187.50	-54.00	6.00
228.66	-52.00	3.00
272.87	-50.00	5.00
274.39	-50.00	

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

base . Ser domin curs out as	7	1	0.47	215	-	---	1.4	8	---	---	NIL	NIL
lamellae and irregular bands. Weak carb. min. along narrow seams.	119.34	120.45	1.11	235	11	1650	1.7	13	NIL	NIL	NIL	NIL
Local hem. min. on fractures.	120.45	121.44	0.99	325	45	7550	3.7	40	NIL	NIL	NIL	NIL
Approx. 1-2% fine diss. py in groundmass. Rare sulphide	121.44	121.92	0.48	1040	53	10000	6.6	80	NIL	NIL	NIL	NIL
aggregates usually associated with fractures/veins - comprise <1%	121.92	122.24	0.32	255	36	3500	2.1	50	NIL	NIL	NIL	NIL
of mode.	122.24	122.57	0.33	180	19	2850	1.8	52	NIL	NIL	NIL	NIL
Well developed foliation/bedding at uphole contact at 60-70 deg	122.57	123.11	0.54	290	18	2700	2.1	17	NIL	NIL	NIL	NIL
to the CA.	123.11	123.30	0.19	300	32	10000	2.0	5	NIL	NIL	NIL	NIL
	123.30	123.99	0.69	110	16	10000	1.4	12	NIL	NIL	NIL	NIL
64.0 to 71.77 Lighter (light grey) and coarser grained than	124.61	125.79	1.18	100	26	5100	2.4	24	NIL	NIL	NIL	NIL
uphole and downhole. Qtz xls, 2% of mode.	125.79	125.96	0.17	130	13	10000	4.4	27	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RICHARDSON
HOLE No.: NR9652
Collar Eastings: -350.00
Collar Northings: -575.00
Collar Elevation: 0.00

Collar Inclination: -60.00
Grid Bearing: 0.00
Final Depth: 236.40 metres

Logged by:
Date: 08/09/96
Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
0.0	41.15	OVERBURDEN (Ovb) 0.9m of mixed boulder fragments are present at the top of Box 1. Primarily porphyritic mafic metavolcanics with 2-10mm phenocrysts of white fsp, with minor granitic, qtz monzonite, and granodioritic fragments.							
41.15	54.02	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff fg) Pale grey, fine grained, usually with 3-5% 1-3mm qtz-eyes, and occasionally with 3-5% 1-2mm fsp phenocrysts over 15-20cm. Weakly graded inn that the lower half of the unit contains up to 7-8% qtz-eyes. Groundmass varies from fine crystals to ash size particles, and is moderately well altered to sericite, carbonates, and minor chlorite. Fsp phenocrysts are nearly completely replaced by fe-carb. 1-3% very fine py is present throughout. 1-2mm wide py seams are very rare. Most are parallel to sub'pll to fol., and appear fracture controlled. Strongly foliated at 60-65 deg to the CA, occasionally to 70 deg (49m) or 50-55 deg (55.75m). Occasional 1-2cm wide crosscutting to subconcordant qtz-carb stringers constitute <1% of the unit. of these, only a few carry diss. py. Most cut the CA at 75 to 45 deg, oblique to the fol. A few at low angles to the CA are in general more							

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		contorted. 51.25 -20cm wide vein with tr tourmaline. Upper and lower contacts are at 65 and 75 deg to the CA respectively. 51.50 -Tr galena within a few fol. parallel stringers. 53.30 -Tr brown-green tour and musc within a 2-3cm wide qtz-carb veinlet.							
54.02	63.09	QTZ-FSP DACITE PORPHYRY (QFD/Xtal Tuff) Similar to overlying unit, but with about 15% fsp phenocrysts replaced by calcite. Partial dissolution of calcite above 58m gives the core a pitted appearance. Strongly bleached throughout with patchy to streaky silicification below 58.75m. Mod. to strong ser and carb alteration. 1-3% fine diss. py. Similar abundance of veinlets and stringers to the preceding unit. Appears to contain significant talc from 57.75-59.0m. Upper contact is 65 deg to the CA, parallel to foliation. Lower contact is abrupt, 70-75 deg to the CA, and coincident with the end of silicification, as well as a sharp decrease in the size and abundance of qtz eyes. 58.75 to 63.09 Strongly altered, reasonably well mineralized interval, with mm to cm-wide fracture controlled py-sph seams occasionally including tr cpy and/or gal. Trace to 1% metamorphic or alt. related tour occurs over 20-30cm at about 61.5m	59.20	59.62	0.42	670	100	3150	6.6
			59.62	60.71	1.09	3590	134	9300	10.6
			60.71	61.51	0.80	1680	42	1550	2.3
			61.51	62.48	0.97	1960	85	3450	6.0

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		as isolated green-black crystals up to 3mm long. Dark grey amoeboid patches of remobilized siliceous material, commonly 1-1.5cm wide and fol. parallel, locally comprise up to 50% of the subinterval. The remobilizate often contains a few percent fine cream coloured crystals; likely minute garnet. On average, the section contains about 3-5% py, 2-3% sph, and tr gal, with the bulk of the min. occurring along fol. parallel fractures, often developed at the margins of the remobilizate. Includes a qtz vein from 59.23-59.49m with 1-2% each py and sph, tr gal and cpy. Contacts are fol. parallel at 65-70 deg to the CA. A similar 15cm wide vein at 62.25 is barren except for tr sph and gal along both contacts.							
63.09	98.98	ASH TUFF (Ash Tuff q-eyes) Very pale grey, fine to very fine grained. Contains 1-2% small qtz eyes, rarely to 2mm. Mod. to strong sericite and calcite alteration of feldspathic constituents. 3-5% py on average, split about equally between very fine diss. sulphide plus lenticular fol. parallel discontinuous streaks (<1x 2-10mm)--introduced contemporaneous with shearing;; versus 1-5 cm wide fracture fillings, parallel to subparallel to fol. and containing minor qtz and calcite--introduced late, perhaps during a tensional tectonic regime. Minor sph occurs with py along fractures at 65.4m, 67.1m, and at 67.25m. Both contacts are fol. parallel. Fol. is 70-75 deg to the CA.	62.48	63.83	1.35	1310	22	500	2.0
			63.83	65.53	1.70	1830	32	1250	5.3
			65.53	66.00	0.47	385	18	2100	4.2
			66.00	66.60	0.60	435	14	410	1.6
			66.60	68.35	1.75	360	16	200	0.7
			68.35	69.89	1.54	185	32	121	1.0
			69.89	71.25	1.36	90	27	97	0.2
			71.25	72.70	1.45	165	31	1700	0.5
			72.70	74.22	1.52	360	44	1350	0.9
			74.22	75.04	0.82	740	154	7100	10.0
			75.04	76.20	1.16	240	64	920	4.1
			76.20	77.72	1.52	325	16	970	1.4
			77.72	79.24	1.52	40	55	123	0.4

FROM	TO	LITHOLOGICAL DESCRIPTION
		Evidence of mineralization associated with brittle behaviour is better preserved than within the previous unit, and as displayed by the following two units, there is a definite correlation between veining/fracturing and elevated sulphide, particularly with respect to sph.
		68.81 to 73.62 Similar but slightly coarser than preceding section. Medium grey, fine grained, dacitic in composition, with up to 2-3% small qtz-eyes. Essentially devoid of fractures, qtz stringers and base metal mineralization. Weakly sericitized and mod. to strongly calc altered. 2-3% very fine diss. py, with tr sph at 73.15m as a 1x 10mm lens. Well foliated at 65-70 deg to the CA, with a sharp lower contact at 65 deg to the CA.
		Somewhat graded as qtz-eyes show a slight increase in abundance downhole as does the amount of fine chl present.
		73.62 to 98.98 (Ash Tuff q-eyes) Very similar to the interval from 63.09-68.81m. Very well foliated and moderately to strongly altered. Weakly mineralized with sph-py or sph-py-qtz-calc along narrow foliation parallel fractures. <1% qtz+/-calc stringers, all <1cm wide and fol. parallel. 2-3% py, 1-2% sph on average above 78.0m. Most sph occurs alone or with lesser py as mm-wide fracture/dilation fillings.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
80.28	81.88	1.60	265	19	1670	0.6
81.88	83.15	1.27	380	35	2350	1.8
83.15	84.60	1.45	290	35	2250	1.0
84.60	86.11	1.51	3240	17	1310	3.3
86.11	87.52	1.41	140	26	1450	0.9
87.52	89.28	1.76	90	22	1730	0.6
90.35	90.80	0.45	15	102	75	0.2
90.80	92.00	1.20	320	30	2150	1.0
92.00	93.48	1.48	355	70	10000	1.5
93.48	94.91	1.43	220	43	3050	1.2
94.91	96.22	1.31	2580	76	7300	4.0
96.22	97.79	1.57	890	55	2850	2.7

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		The best section from 75.2-75.88m might contain 3-5% each of py and sph. Foliation is variable from 65-75 deg to the CA, with much of the interval well bedded. 2-3% fine black tour is present over 5-7cm at 77.05m (paleosurface?), and a section from 77.05-77.65m appears to be several crudely stratified flows with about 5% small qtz-eyes.							
		78.0 to 91.0 Mineralized fracture fillings become much less common, otherwise similar to the top of the unit. <1% sph, 4-5% very fine and evenly diss. py. A single qtz stringer at 83.45m contains 5% or more tour and tr sph,cpy,gal. Foliation is generally 70 deg to the CA. Including:							
		79.28 to 80.12 ALTERED MAFIC INTRUSIVE (Alt'd Maf Intrus) Medium green, fine to medium grained. Apperently gabbroic in texture and composition. Well chilled at both contacts. Moderate calc-chl alteration. Trace to 1% py. Contacts parallel foliation-and bedding-at 70 deg to the CA, suggesting a narrow sill; possibly similar in age to the mafic flows and tuffs located upward to the south or southwest from the collar location.							
		and							
		89.3 to 90.93 ALTERED MAFIC INTRUSIVE (Alt'd Maf Intrus) Similar to the previous sill. Slightly finer grained and with some resemblance to diabase, but non-magnetic. Oriented at 65 deg to the CA.							

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		91.0 to 98.98 Weakly mineralized similar to the interval from 73.62-78.0m, with some fracture fillings and elevated diss. py. 3-5% py, 2-3% sph, with 1-2% mm or smaller pale pink garnets present in places below 99.0m. Foliation is 65-75 deg to the CA, commonly 75 deg below 97.0m.							
98.98	107.65	WEAKLY GRADED QID/ASH TUFF (QID/Ash Tuff wk gdd)	97.79	99.30	1.51	3130	42	1540	2.8
		A series of beds ranging in thickness from 25cm to 1m in	99.30	100.85	1.55	280	32	2000	0.7
		thickness, each grading from an ash or fine crystal tuff	100.85	102.23	1.38	940	50	4300	1.8
		(resembling previous unit) to a fine to med. grained QID with	102.23	102.84	0.61	780	36	3000	1.1
		3-4% 1-2mm qtz-eyes and typically strongly bleached.	102.84	103.63	0.79	1120	93	3650	1.5
		Strongly sericitized with 1-2% fine gar through most of the	103.63	104.72	1.09	2090	62	2400	2.9
		unit. 3-5% py, diss and from narrow sph-rich fol. parallel	104.72	106.17	1.45	3360	72	11800	2.0
		seams. 2-3% sph overall, with perhaps 3-5% from 104.8-105.8m.							
		Foliation is 70-75 deg to CA. A few unmineralized fractures							
		trend near perpendicular to fol. at 20-30 deg to the CA							
107.65	118.14	STRONGLY ALTERED QID/ASH TUFF (QID/Ash Tuff alt'd)	106.17	107.89	1.72	1300	127	9700	2.7
		Sharp transition to a fine to med. grained QID with a weak	107.89	109.48	1.59	50	22	141	0.2
		flaser shear fabric, and a slightly banded appearance due to	109.48	111.90	2.42	145	15	106	NIL
		enrichment of micaceous minerals along shear planes.	111.90	112.46	0.56	120	26	710	0.6
		"Silicified" with abundant injections of gar-bearing	112.46	113.70	1.24	180	29	229	1.4
		remobilized alt. products, similar to but better developed than	113.70	115.49	1.79	110	19	137	0.3
		as noted from 58.75-63.09m.	115.49	116.78	1.29	75	29	90	0.4
		Mod. to strongly sericitized with 2-3% mm-sized gar and 2-3%	116.78	118.05	1.27	170	30	123	0.3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		very fine diss. py throughout. Fine chl-calc clusters are present within the siliceous patches which range from <5 up to 20cm in thickness, and comprise 20-30% of the unit. Foliation is variable from 65-80 deg to the CA, but commonly 70-75 deg. Occasional unmineralized fractures or narrow shears with cm-scale offsets occur at angles of <30 deg to the CA.							
118.14	125.78	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff mg-cg)	118.05	119.18	1.13	195	33	1160	2.1
		Similar to the unit at the top of the hole from 41.15-54.02m,	119.18	120.57	1.39	110	18	465	1.1
		but may also include small lithic fragments.	120.57	121.92	1.35	145	26	500	1.4
		Moderately ser altered with occasional narrow zones of	121.92	123.45	1.53	110	11	545	0.7
		silicification. 2-3% fine to med. sized diss. py, tr sph,	123.45	124.97	1.52	200	7	465	0.6
		<1% fine garnet.							
		Upper contact is 75 deg to the CA and appears strongly deformed to somewhat sheared. Foliation is 70-75 deg to the CA.							
125.78	142.10	QTZ-EYE DACITE/ASHTUFF (QID/Ash Tuff fg-mg)	124.97	126.49	1.52	220	18	76	0.7
		Weakly altered and poorly mineralized interval with 3-5%	126.49	128.00	1.51	185	9	70	0.5
		small qtz-eyes in a fine grained groundmass. Gradually	128.00	129.54	1.54	115	10	68	0.6
		coarsens to about 138.75m, and then fines slightly toward the	129.54	131.06	1.52	345	14	120	0.8
		lower contact. Appears to be only weakly deformed.	131.06	132.59	1.53	510	11	176	0.8
		Weak ser and weak to mod. calc alteration. 1-2% fine diss. py	132.59	134.11	1.52	245	11	103	0.5
		with tr-1% fine gar in places.	134.11	135.57	1.46	205	16	82	0.7
		Lower contact is 70 deg to the CA.	135.57	137.04	1.47	140	13	64	0.5
			137.04	138.39	1.35	130	13	57	0.5
		137.15 -An isolated mm-wide seam of diss. po fills a fol.	138.39	139.25	0.86	570	18	1080	0.7

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		parallel fracture, with an intense cm-wide chl-calc alt. halo.	139.25	139.55	0.30	600	33	7300	1.8
			139.55	141.05	1.50	45	21	74	0.5
		138.48 -Trace asp filling a mm-wide fracture.							
		139.30 -8-10% py and 3-4% sph diss. over 7-8cm.							
142.10	153.35	QTZ-EYE DACITE + FRAGMENTALS (QID+FRAG defm'd min'd)	141.05	142.50	1.45	100	12	65	0.3
		Similar to the interval from 107.65-118.14m, but better miner-	142.50	143.43	0.93	70	12	60	0.2
		alized and more strongly altered. Contains occasional lithic	143.43	144.78	1.35	200	98	84	1.8
		fragments and may include a few fragmental sections. Commonly	144.78	146.23	1.45	1220	146	3100	6.5
		exhibits 3-5% small qtz-eyes and a reasonably well developed	146.23	147.51	1.28	260	205	150	2.6
		flaser fabric.	147.51	148.40	0.89	185	112	650	1.8
		Strongly sericitized, and usually with 1-2% fine garnet. A	148.40	149.34	0.94	275	82	1250	2.1
		few 1-3cm zones of patchy silicification with gar-calc-minor	149.34	150.34	1.00	325	200	1270	2.6
		chl occur near the upper contact, and contorted qtz stringers	150.34	150.88	0.54	420	248	3550	5.8
		at low angles to the CA contain numerous 3-4mm garnets at	150.88	152.03	1.15	570	96	2900	3.8
		144.9m. 7-8% fine to med. diss. py and tr sph is common above	152.03	153.30	1.27	750	700	3450	10.2
		about 152m. Tr-1% sph with up to 10% py occurs from 152.0-							
		153.35m due to more common fol. parallel seams. The seams							
		appear to be fracture controlled and subsequently modified							
		by shearing.							
		Foliation is variable from 65-75 deg to the CA, commonly 70 deg							
		below 153m. Lower contact is 65 deg to the CA.							
153.35	188.0	ASH TUFF (Ash Tuff q-eyes)	153.30	154.34	1.04	595	200	2000	8.5
		Similar to the interval from 68.81-73.62m, but with more	154.34	155.15	0.81	930	300	2250	9.6

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		common sulphide fracture fillings, both fol. parallel and as	155.15	156.13	0.98	630	2000	3200	11.5
		contorted cm-wide crosscutting structures. Mineralized	156.13	157.47	1.34	4990	950	1680	58.0
		fractures are less common from 162-170m, and are quite rare	157.47	158.42	0.95	840	1650	1770	18.0
		from 170-188m	158.42	159.58	1.16	340	190	500	4.0
		Above 162m: 8-10% py, 1-2% sph, and 1% cpy, with cpy mainly	159.58	160.41	0.83	520	445	188	7.0
		along subparallel to crosscutting fractures. Tr asp is present,	160.41	161.21	0.80	2840	1560	6300	26.5
		associated with a qtz stringer at 155.25m, and with cpy at	161.21	162.58	1.37	2890	430	1320	8.3
		157.5m. 2-3% fine garnet is common above 179.8m	162.58	163.93	1.35	7840	200	780	14.8
		Foliation is 70 deg to the CA. Fractures subparallel to the	163.93	165.34	1.41	1480	68	1080	3.4
		fol. range from 50-70 deg to the CA, oblique to the fabric.	165.34	166.68	1.34	750	180	169	5.0
			166.68	167.38	0.70	1640	980	251	15.8
			167.38	168.13	0.75	1430	188	197	3.5
			168.13	169.41	1.28	870	87	158	3.3
			169.41	170.61	1.20	375	30	1200	2.6
			170.61	171.31	0.70	160	40	1230	5.2
			171.31	172.32	1.01	165	40	1470	3.5
			172.32	173.73	1.41	210	28	275	2.0
			173.73	175.18	1.45	115	38	600	1.8
			175.18	176.11	0.93	100	28	1330	2.7
			176.11	176.85	0.74	330	48	5900	10.7
			176.85	177.94	1.09	125	28	3200	4.2
			177.94	179.44	1.50	175	23	157	3.8
			179.44	180.88	1.44	140	22	141	1.5
			180.88	182.38	1.50	375	27	117	3.4
			186.03	186.99	0.96	680	56	455	26.5
			186.99	187.91	0.92	210	22	206	8.6
188.0	227.30	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff fg-mg)	187.91	188.97	1.06	105	17	129	5.0

FROM	TO	LITHOLOGICAL DESCRIPTION
		Typical QID with from 3-5% to 7-8% small to med. sized qtz-eyes and a few percent chl as films along foliation planes. Weakly to mod. bleached and sericitized. 2-3% fine diss. py, tr sph, locally to 3-5% py over 0.5m. 1-2% fine garnets in places. Below about 205m 2-5cm thick zones of silicification and mod. calc alteration occur sporadically. Moderately well foliated at 70-75 deg to the CA. 217.0 to 227.3 Unit contains rare dacitic lithic fragments ranging in size from <1cm in diameter to about 2x5cm. Alt. and mineralization are similar to that within the main interval. Considerable brown-black tour occurs within an irregular walled qtz stringer, <1cm wide, at 216.55m. Moderately fractured at angles <45 deg to the CA, with hairline calc +/- chl, py fillings. Lower contact is 68-70 deg to the CA.
227.3	232.10	MATRIX SUPPORTED FRAGMENTAL/LAPILLI TUFF (FRAG) Mottled pale grey. Medium grained crystal tuff groundmass with 40-50% lithic fragments commonly 0.5-1.5cm in diam., but occasionally to 1.5x3.0cm, and with a few altered rhyolitic bombs at 229m. 3-5% 1-3mm qtz-eyes are present within the groundmass as well as some of the lapilli. About 1% of the unit consists of med. sized intermediate lapilli, recognizable by a faint green-brown colour due to fine diss. chl. Weakly sericitized with a few narrow zones of weak sil. accompanied by minor gar and fine chl. 1% fine diss. py.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
206.70	207.97	1.27	115	22	385	0.7
216.41	216.78	0.37	15	12	27	0.3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		230.18 to 230.47 Distinct bed of med. to coarse grained ash tuff with 2-3% small qtz-eyes and some fine lapilli. 2-3% very fine py. Upper contact is somewhat undulatory, averaging 65-70 deg to the CA. Lower contact is sharp, at 72-73 deg to the CA.							
232.10	233.97	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff rare frag) Very similar to the interval from 217-227.3m. <25% lapilli. 2-3% very fine py concentrated along shear planes. Foliation and contacts are at 70-75 deg to the CA.							
233.97	234.85	ASH TUFF (Ash Tuff fg-mg, rare q-eyes) Reasonably similar to the interval from 230.18-230.47, but with <1% qtz-eyes. Weakly ser and calc altered, with 1-3% fine diss. py. Foliation is commonly 70 deg to the CA.							
233.97	236.4	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff rare frag) Similar to the interval from 233.97-234.85m. EOH.							

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RICHARDSON
HOLE No.: NR9652

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
50.00	-54.00	0.00
111.00	-50.50	1.00
167.00	-47.50	3.00
231.70	-45.00	4.00
236.40	-45.00	4.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RAINY RIVER
HOLE No.: NR9653
Collar Eastings: -650.00
Collar Northings: -650.00
Collar Elevation: 0.00

Collar Inclination: -50.00
Grid Bearing: 360.00
Final Depth: 403.40 metres

Logged by: C.A.WAGG
Date:
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	39.1	OVERBURDEN (Ovb)
39.1	45.69	MAFIC TO INTERMED TUFF (Maf-Int Tuff gdd, minor frag) Medium grey-green, fine grained ash to fine crystal tuff, grading to a mottled grey vs. green-brown strongly deformed and somewhat banded rock, with a fine mafic crystal groundmass and some lithic fragments of dacitic composition. Moderate to strong chl-calc alteration throughout, with local biotite development. Trace fine garnet and 1-2% fine diss. py are also common, with 5-7% py as mm-wide fol. parallel seams over 20cm at 45.1m. Appears to consist of 2 graded cycles with an interflow contact at 42.96m. Foliation is variable from 60-70 deg to the CA. Contacts are at 60-65 deg to the CA. 45.0 to 45.2 Section of intermediate crystal tuff within an interval of the main unit verging on lapilli tuff; dacitic fragments in a mafic to intermediate groundmass.
45.69	50.55	ASH TUFF (Ash Tuff) Light grey-green, fine to medium grained. 10-20% very fine chlorite. Mafic silicate content decreases steadily downhole.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Trace to 1% fine qtz-eyes. Moderate calcite alteration with weak sericitization. 1-2% very fine diss. py. Lower contact is about 65 deg to the CA.								
50.55	51.49	INTERMED TO FELSIC FRAGMENTAL/LAPILLI TUFF (Int-Fels Frag) Pale grey with mm to cm wide greenish streaks and spots. Apparently a clast-supported dacitic lapilli tuff with a chl-calc-py groundmass. Mod. to strong chl-calc alteration. 7-8% spotty to weakly banded diss. py. Foliation is 65 deg to the CA at contacts, 70 deg to the CA in the centre of the unit.	50.58	51.46	0.88	180	225	225	1.6	6
51.49	59.47	ASH TUFF (Ash Tuff bdd) Very similar to the interval from 45.69-50.55m, but with 1-2% <2mm qtz-eyes. Similarly altered with 1-2% diss. py. Contacts and foliation are 65 deg to the CA. 51.72 to 53.69 Graded bed of intermediate composition. Grey-green in colour and slightly more mafic than adjacent rocks. Grades from fine grained to medium grained from top to bottom. Contains rare altered fsp phenocrysts up to 2mm, but no qtz eyes. Lower contact is 60-65 deg to the CA. 56.75 to 59.47 "Intermediate" in composition similar to the									

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		interval from 51.72-53.69, but not graded. Well bedded at 60-65 deg to the CA. Includes a fol. parallel qtz vein with tr-1% py and tourmaline from 58.9-59.44m. Foliation is 65-70 deg to the CA above the vein, 50 deg to the CA at the vein contacts, and back to 65-70 deg by 60.0m.								
59.47	75.1	QTZ-FSP DACITE PORPHYRY (QFD) Mottled medium grey, medium to coarse grained crystal tuff. Typically 60-70% subhedral fsp phenocrysts up to 3-4mm, 10-15% qtz-eyes commonly 2-3mm in diameter. Groundmass is moderately sericitized with 5-10% fine chl +/- minor amph, biot. 2-3% fine diss. py with minor sph along fol. fractures parallel to subparallel to fol. at 70.7 and 71.0m with calcite and some chl. Moderately well foliated at 60-65 deg to the CA.	58.87	59.48	0.61	30	9	53	NIL	4
75.1	79.02	ASH TUFF (Ash Tuff bdd?) Similar to the interval from 51.49-59.47m, but with a banded/ bedded appearance due to hairline bleaching along cm-spaced fol. parallel fractures. Coarsens slightly toward lower contact. Weak to mod. calc alteration, and 2-3% fine diss. py. Foliation varies from 60-70 deg to the CA Includes an irregular-walled, crosscutting 10cm wide qtz vein at 78.85m at about 70 deg to the CA.	78.18	79.02	0.84	25	7	60	0.4	2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
79.02	82.43	MAFIC TO INTERMED TUFF (Maf -Int Tuff) Greenish to brownish grey, fine grained. Andesitic? Weakly bedded above 82.1m, Well bedded and with tr qtz-eyes below 82.1m. Foliation is 70-75 deg to the CA. Mod. to strong chl-calc alteration with local zones to a few cm wide with minor biot. 1% fine garnet occurs in places. 3-5% diss. to somewhat banded py. Foliation is commonly 75 deg to the CA.	79.02	79.94	0.92	35	119	320	1.4	10
82.43	137.60	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff bdd?, alt'd) Reasonably well altered and strongly deformed QID with 3-5% qtz-eyes. Banded with micaceous shear planes every few mm to few cm. The unit coarsens gradually downhole, and locally contains 7-8% small qtz-eyes and up to 5-10% fsp phenocrysts. Moderately bleached, with strong ser and calc alteration. 1-2% fine garnet is present in most places. 3-4% fine diss. py, with a few mm-wide, often discontinuous fol. parallel seams. Foliation is variable from 65-80 deg to the CA, and is often weakly kinked. Occasional mm to cm-wide qtz stringers, and mm-wide calc filled fractures with minor offsets occur above 93m, at <45 deg to the CA. Below about 110m at least 5-6 fractures per metre, at 25-30 deg to the CA, commonly exhibit minor offsets and are often accompanied by a set of hairline tension gashes extending outward from the main fractures. Tr sph occurs at	86.85	88.00	1.15	510	20	90	0.8	33
			89.25	90.58	1.33	345	15	72	0.6	27
			90.58	91.70	1.12	620	67	240	1.4	48
			91.70	92.96	1.26	185	12	65	0.4	40
			92.96	93.87	0.91	415	12	79	0.6	30
			93.87	94.83	0.96	425	15	77	0.8	42
			94.83	96.28	1.45	165	15	79	0.4	35
			96.28	97.53	1.25	505	22	181	0.6	60
			103.95	105.37	1.42	110	25	143	0.4	76
			105.39	106.11	0.72	110	8	91	0.4	40
			106.40	107.16	0.76	1250	90	215	2.0	205
			107.16	108.39	1.23	130	24	115	0.4	83
			108.39	108.74	0.35	260	4	2100	1.6	370
			108.74	109.72	0.98	195	7	100	1.0	107
			109.72	110.90	1.18	140	12	92	0.4	52
			110.90	111.25	0.35	170	28	148	0.8	290
			111.25	112.41	1.16	90	17	310	0.8	130

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		97.5m, at 111.7m along a few mm-wide seams, and diss. with py over 20-30cm at 125.1 and 131.15m.	114.95	116.11	1.16	745	46	215	1.2	76
			116.11	117.34	1.23	135	23	121	0.8	103
			117.34	118.81	1.47	730	38	340	1.0	143
		108.55 - 4-5cm wide fol. parallel qtz vein with calc-py-sph along its contacts and filling tension gashes.	118.81	120.39	1.58	220	16	154	0.4	36
			120.39	121.85	1.46	230	17	640	1.2	220
			121.85	123.30	1.45	310	24	420	1.2	50
		122.3 to 125.85 Micaceous banding is absent from this section and the groundmass is more homogeneous and likely finer grained than the surrounding rocks; otherwise very similar. Trace gar only below about 121.75m. Contacts and foliation are at 70-75 deg to the CA.	123.30	124.84	1.54	75	9	65	0.6	25
			124.84	125.77	0.93	1240	27	1950	1.0	640
			130.81	131.35	0.54	645	75	1700	0.4	29
			131.35	132.50	1.15	500	12	134	0.4	20
			132.67	133.74	1.07	125	36	530	0.6	260
			133.74	134.11	0.37	375	73	8400	1.2	300
		Trace cpy and gal occur with sph and py over 5cm along a flow contact? at 133.75m. 1-2% gal with 2-3% sph occurs over about 10cm at 134.35m along small tension gashes at 15-25 deg to the CA, oblique to the foliation.	134.11	134.54	0.43	420	62	3400	3.6	2600
			134.54	135.71	1.17	255	55	2000	1.0	90
		137.0 to 137.6 Banded (bedded?) on a mm rather than cm-scale with some undulation and weak kinking of the foliation. Fabric resembles bedding more strongly than shearing. Contacts and foliation are at 70-75 deg to the CA.								
137.6	145.72	QTZ-FSP DACITE/Ash Tuff (QFD)	137.85	138.65	0.80	230	40	1600	1.4	220
		A medium grained QID with 3-5% 1-3mm qtz-eyes, and 2-3% up to	138.65	139.87	1.22	820	71	3600	1.0	86
		10-15% calc altered fsp phenocrysts. Displays a notably	139.87	141.03	1.16	500	49	2100	1.4	83
		spotted appearance due to the similar size of qtz-eyes, fsp	141.03	142.45	1.42	225	41	2800	0.8	27

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		crystals, garnets, and py-chl-calc aggregates.	142.45	143.65	1.20	800	65	4300	1.2	34
		Mod. to strong ser and calc alteration, with minor chl in places	143.65	145.14	1.49	710	132	4900	1.8	120
		along fol. planes. 1-2% fine gar up to 3-5% to 2-3mm in size.	145.14	145.67	0.53	14090	510	8500	12.6	250
		Commonly with 3-5% fine to med. grained diss. py, often as								
		clusters to 1-2mm in diameter with fine chl +/- calc.								
		Very well foliated at 70-75 deg to the CA.								
		Includes two 1-2cm wide crosscutting strongly altered mafic								
		dykes at 55-60 deg and 80 deg to the CA at about 138.95m.								
		Very fine grained, possibly gabbroic. Strong biot and intense								
		calc alteration.								
		An identical dyke occurs at 143.73m, at 20-25 deg to the CA.								
145.72	174.65	QTZ-EYE DACITE/ASH TUFF (QID)	145.67	146.39	0.72	970	72	2300	1.2	48
		Very similar to the previous unit except that fsp phenocrysts	146.39	147.82	1.43	2100	63	2000	3.0	29
		are rare, and this unit is a little finer grained.	147.82	148.09	0.27	1580	38	800	1.4	44
		Similar alteration and mineralization to the overlying unit,	148.09	149.33	1.24	265	41	1800	1.2	55
		but with only 1-2% fine garnet present locally.	149.33	149.95	0.62	155	118	5100	1.4	55
		Foliation is variable from 75-85 deg to the CA.	149.95	150.40	0.45	530	220	3300	11.4	3600
			150.40	151.75	1.35	40	17	610	3.4	630
		146.3 - A 1-2mm wide calcite filled fracture, with minor sph,	151.75	152.27	0.52	980	55	6600	3.4	540
		at 25 deg to the CA cleanly crosscuts a cm-wide foliation	152.27	152.83	0.56	8450	86	5900	5.6	161
		parallel qtz stringer.	152.83	153.92	1.09	1560	128	5000	1.8	62
			153.92	155.45	1.53	830	158	5800	2.0	24
		150.0 to 151.78 MAFIC DYKE/LAMPROPHYRE? (Maf Dyke alt'd)	155.45	156.00	0.55	680	84	5700	1.2	9
		Strongly altered mafic dyke. Dark brown to brown-black.	156.00	156.77	0.77	720	110	6000	1.4	9
		60-75% fine to med. grained biotite and 20-30% calcite.	156.77	158.12	1.35	590	85	3800	1.0	13

FROM	TO	LITHOLOGICAL DESCRIPTION
		Trace py. Intense biotite-calcite alteration. Contacts are weakly chilled and sheared; oriented at 25-30 deg to the CA. Lower contact is offset a few cm by a fracture running perpendicular to the CA.
		5-10cm wide qtz veins are developed along both contacts, and a vein of similar appearance occurs from 152.3-152.55m. The veins contain 10-15% calcite and 2-3% py, except for the vein at the upper contact, which carries 10% py and 2-3% medium grained galena.
		154.1 to 160.5 Strongly bleached, medium grained section with elevated diss. sulphide, some fol. parallel fracture fillings, and rare small segregations/injections with qtz and calc. Similar alteration to that throughout the main unit. 5-7% fine diss. py, <1% sph, some diss. and a little from fracture fillings and small lenses accompanied by py.
		Tr cpy and gal occur at 158.2m and 158.7 with py-sph, possibly along flow contacts.
		160.5 to 170.5 Similar to 145.72-154.1m. Well banded in places with mm-wide ser laminae and with py-gar-chl-calc seams of similar width. 5-7% diss. to weakly banded py and 1-2% sph overall. Foliation is commonly 75 deg to the CA. From 167-170.5m, X-cutting fractures at low angles to the CA are common, most with thin chl coatings and a few with calc-sph. Displacement

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
158.12	158.79	0.67	9440	510	18000	10.0	66
158.79	159.87	1.08	1180	130	5200	1.6	27
159.87	161.07	1.20	925	62	2800	1.4	113
161.07	162.15	1.08	505	90	5800	1.0	9
162.15	163.06	0.91	460	260	5100	1.8	10
163.06	164.36	1.30	535	183	7100	1.6	14
164.36	165.26	0.90	1210	70	2000	2.0	9
165.26	165.99	0.73	530	106	3000	0.8	30
165.99	166.90	0.91	540	82	2100	2.2	400
166.90	167.89	0.99	340	173	5800	1.6	31
167.89	168.47	0.58	3740	355	3700	7.2	84
168.47	169.47	1.00	330	129	6400	2.0	18
169.47	170.71	1.24	440	97	3800	1.2	35
170.71	171.78	1.07	625	62	1550	1.0	112
171.78	172.66	0.88	3150	152	4800	2.2	78
172.66	173.73	1.07	1080	51	3300	1.2	20

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		of 15cm along one such fracture is evident at 168.2m. A cm-wide subconcordant qtz-calc stringer at 162.9m contains abundant fine cpy. Also, a 40-50cm long section of broken rock and fault gouge occurs at 163.75m, apparently with its margins paralleling foliation. Below 170.5m the unit is unfractured with only 2-3% py, and contains lesser chl, but exhibits 8-10% garnets to 4mm over the lowermost 0.75m of the unit.								
174.65	174.81	ASH TUFF (Ash Tuff) Pale grey to beige, fine grained. Buff colouration is presumebly due to alteration, however, the unit is almost cherty in appearance in places. Mod. to strong ser and lesser calc alteration. 5% diss. py, 1-2% fine diss. sph. Contacts are 67-68 deg to the CA, as is foliation.	173.73	174.68	0.95	1320	46	2400	1.8	11
174.81	223.30	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Similar to the interval immediately preceding the Ash Tuff, but with elevated py and common chl rich laminae. 8-10% py, fine to coarse, with coarse py decreasing steadily downhole, as do chl and gar content to about 177m. Coarse py is always contained within a chl-rich band or a patchy lens of alteration products.	174.68	175.19	0.51	3210	36	1650	1.4	12
			175.19	176.19	1.00	880	113	3400	1.0	11
			176.19	177.00	0.81	660	73	1850	1.4	10
			177.00	178.26	1.26	41520	240	2600	6.0	22
			178.26	179.35	1.09	900	92	2500	1.6	23
			179.35	180.59	1.24	730	137	4000	2.8	141
			180.59	181.67	1.08	260	126	5300	2.0	144

FROM	TO	LITHOLOGICAL DESCRIPTION
		Dark greenish grey at top of unit, well banded/bedded and with 1-3% small qtz-eyes.
		177 to 182.52 Pale grey with 3-5% med. sized qtz-eyes. Moderately to strongly sericitized. Garnet content decreases from 3-5% and med. sized at the top of the unit, to 1% and fine at the bottom. Similarly, py decreases from 7-8% fine to coarse, to 1% fine only. Average is 3-4%. Foliation is 75-80 deg to the CA.
		182.52 to 184.8 Fine ash tuff with <1% small qtz-eyes. <1% fine garnet, 1-2% fine diss. py, tr sph diss throughout. Lower contact is coincident with a 2-3cm wide zone of fault gouge cutting the CA at 65-70 degrees.
		184.8 to 186.65 Med. grained QID with 3-4% qtz eyes up to 3-4mm. Contains a few percent small fsp crystals. Very weakly bedded. Strongly sericitized, 2-3% fine diss. py, tr sph. Foliation is 75-80 deg to the CA through most of unit, decreasing to 65-70 deg to the CA at lower contact.
		186.65 to 199.4 Fine QID with 1-2% 1 to 3mm qtz-eyes. Unbanded. Strong ser and mod. calc alteration. 1-2% fine diss. py. Similar units occur from 188.36-188.7m and from 189.1-189.45m.
		190.13 to 190.85 MAFIC DYKE/LAMPROPHYRE? (Maf Dyke/Lamp? alt'd)

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
181.67	181.95	0.28	860	157	17300	2.2	68
181.95	182.88	0.93	165	39	1250	0.8	86
182.88	184.25	1.37	110	37	1350	0.4	38
184.25	185.52	1.27	520	57	4900	0.8	12
185.52	186.56	1.04	345	20	1550	1.0	9
186.56	187.76	1.20	175	13	640	0.6	8
187.76	188.97	1.21	160	11	800	0.6	11
188.97	190.10	1.13	240	46	3300	2.0	116
190.10	191.14	1.04	30	99	340	1.6	25
191.14	191.85	0.71	65	24	1900	1.4	116
191.85	192.24	0.39	120	50	7800	2.6	10
192.24	192.99	0.75	2850	31	2000	10.6	8
192.99	194.46	1.47	250	57	5500	1.2	4
194.46	195.31	0.85	150	21	2050	0.8	2
195.31	195.96	0.65	230	21	5500	1.0	5
195.96	197.15	1.19	620	11	750	1.0	5
197.15	198.44	1.29	370	30	4000	0.8	5
198.44	199.36	0.92	155	28	2000	0.4	4
199.36	200.56	1.20	230	27	360	0.8	4
200.56	201.60	1.04	230	21	920	0.8	5
201.60	202.97	1.37	235	55	2600	0.6	7
202.97	204.48	1.51	240	129	5600	0.8	10
204.48	205.99	1.51	125	70	3200	1.4	3
205.99	207.45	1.46	130	35	1700	0.6	4
207.45	208.96	1.51	285	28	1800	0.8	3
208.96	210.37	1.41	150	50	1850	0.4	NIL
210.37	211.82	1.45	325	76	2800	1.0	2
211.82	213.29	1.47	145	58	1400	0.8	6

FROM	TO	LITHOLOGICAL DESCRIPTION
		Altered biotite-rich mafic dyke similar to the one from 150.0-151.78m. Intense biot-calc alteration. Upper and lower contacts are at 40 deg and 25 deg to the CA respectively.
		191.5 -Below this point py-sph fracture fillings become relatively common, particularly within the next subunit. 4-5% py on average, ~1% sph, generally restricted to fracture fillings with minor qtz and calcite.
		199.4 to 216.1 Medium grained QID very similar to the interval from 184.8-186.65m. Turbulent or poorly sorted in appearance, with 3-5% 1-3mm qtz-eyes and 5-10% small fsp phenocrysts. Likely includes a few percent small dacitic lithic fragments. 3-4% fine py, up to 1% sph. Strong ser and calcite alteration. Foliation is 70-75 deg to the CA.
		Includes a 3cm thick graded Ash Tuff at 201.9m, fining upward.
		Fine Ash Tuffs with 1-2% small to med. sized qtz-eyes are interspersed within the main unit from: 207.3-207.6m, 207.95-209.2m, 209.35-209.4m, 209.55-209.9m, 210.55-211.65m, 211.85-212.4m, and 214.28-214.56m. Mod. to strongly bleached, commonly with 2-3% fine diss. py. All contacts are at between 70 and 75 deg to the CA.
		216.1 to 216.3 Contorted qtz-calcite vein with tr py. upper contact is 25-30 deg to the CA, lower contact is fol. parallel at ~70 deg to the CA.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
213.29	214.78	1.49	80	15	1100	0.4	4
214.78	215.86	1.08	45	16	1350	0.4	5
215.86	216.48	0.62	30	6	720	0.4	14
216.48	217.78	1.30	30	21	820	1.0	14
217.78	219.29	1.51	40	18	680	0.6	6
219.29	220.37	1.08	155	22	490	0.6	6
220.37	221.29	0.92	3190	310	3400	2.0	18
221.29	222.69	1.40	300	48	620	0.6	11

FROM	TO	LITHOLOGICAL DESCRIPTION
223.3	252.90	ASH TUFF (Ash Tuff q-eyes) Pale grey with 1-2% small to med. sized qtz-eyes. Weakly bedded in places. Identical to the thin Ash Tuffs occurring between 207m and 215m. Graded? in that qtz-eyes increase to about 3-5% below ~234.75m. 5-7% fine py, tr sph, both as disseminations and as hairline fracture fillings. Up to 7-8% py, 1-2% sph over 50cm at 230.3m. Moderately fractured parallel to subparallel to fol. at 75-80 deg to the CA, and with micaceous laminae below 247m. Banded sulphide ceases at about 239m, below which only 2-3% diss. py is present. 249.8 to 250.08 Fine ash with 1% 1-2mm qtz-eyes and 1-2% py. Contacts are at 70 deg to the CA.
252.9	254.62	QTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF) Similar to the interval from 174.81 to 182.52m. 2-3% fine diss. py. Strongly fractured (10-12/m) with 1-5mm thick calc fillings. Fractures are all subparallel at 40-55 deg to the CA. Foliation is commonly 75-80 deg to the CA.

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
222.69	224.02	1.33	2970	80	158	2.0	30
224.02	225.44	1.42	560	21	1100	1.2	39
225.44	226.74	1.30	740	35	1800	2.0	86
226.74	228.11	1.37	610	167	5300	2.6	118
228.11	229.56	1.45	205	26	2100	1.0	28
229.56	230.38	0.82	710	82	5300	2.0	20
230.38	231.18	0.80	405	35	2300	1.4	19
231.18	232.10	0.92	855	24	1950	1.4	21
232.10	233.57	1.47	260	19	1900	1.0	20
233.57	234.70	1.13	360	36	1100	1.0	18
234.70	235.68	0.98	2230	49	3200	3.8	13
235.68	237.16	1.48	630	90	5100	1.0	75
237.16	238.64	1.48	230	55	650	2.2	41
238.64	240.11	1.47	285	31	430	1.8	46
240.11	241.54	1.43	155	26	350	1.6	28
241.54	242.66	1.12	85	25	74	0.8	16
242.66	243.37	0.71	435	151	2100	2.0	27
248.94	250.41	1.47	130	27	75	1.2	19

FROM	TO	LITHOLOGICAL DESCRIPTION
254.62	280.54	ASH TUFF (Ash Tuff gdd) Similar to the interval from 233.3-252.9m. Well altered throughout. Several 1.5-2m thick flows, weakly graded in that qtz-eye content increases from 1-2% to 3-5% at the lower contact. Grading is evident over the unit as a whole as well, to a slightly coarser rock with an average of 2-3% small qtz-eyes toward the bottom of the main unit. 3-5% fine to med. grained diss. py, tr sph. Up to 5-7% py, ~1% sph occurs over 2m above the first siliceous subunit. 261.60 -2cm wide zone of talc-rich fault gouge, oriented parallel to foliation at about 75 deg to the CA. 261.62 to 262.65 "Siliceous" cherty to rhyolitic ash section moderately banded on a mm to cm scale. Trace to 1% fine py. Lower contact is fol. parallel and coincident with a 1cm thick zone of gouge. 267.0 to 267.35 Similar to the interval from 261.62-261.65m. 267.35 to 268.25 Finely bedded section with tr-1% qtz-eyes. Bedding and foliation are 70-75 deg to the CA.
280.54	388.28	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Similar to the interval from 252.9-254.62m. 5-7% small to large qtz-eyes, with a similar amount of fine to occasionally coarse fsp phenocrysts. Weak ser and mod. calc alteration,

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
254.50	255.90	1.40	50	15	215	1.4	163
255.90	256.82	0.92	860	24	173	2.4	78
256.82	258.05	1.23	220	35	560	1.0	11
258.05	259.40	1.35	95	21	134	1.4	92
259.40	260.51	1.11	615	200	6000	3.6	34
260.51	261.56	1.05	760	164	4100	2.2	8
261.56	262.68	1.12	25	8	61	0.4	NIL
262.68	263.65	0.97	145	23	450	1.2	36
267.76	268.52	0.76	90	19	169	0.6	NIL
268.52	268.97	0.45	125	22	122	0.6	NIL
268.97	270.33	1.36	80	43	55	2.0	29
272.20	273.55	1.35	260	35	25	6.0	9
273.55	274.77	1.22	890	65	21	100.0	24
277.55	278.75	1.20	25	8	44	1.2	2
278.75	279.86	1.11	25	9	43	1.2	6
279.86	280.96	1.10	70	109	182	1.8	4
280.96	281.78	0.82	25	24	56	0.6	6
287.55	289.00	1.45	40	6	62	0.6	7
289.00	290.50	1.50	40	10	70	0.4	6

FROM	TO	LITHOLOGICAL DESCRIPTION
		with 2-3% very fine diss. py.
		Well banded/bedded? commonly at 70 deg to the CA.
		288 to 290.5 Medium to dark grey with bleached, ser altered
		cm-wide bands paralleling foliation. Alteration appears to be
		restricted to narrow zones along fractures or shear planes.
		292.13 to 292.56 Altered fine grained gabbroic dyke.
		pale to med. green. Contains 3-4% <2mm qtz-eyes, but does
		not appear to be tuffaceous. Strong chl-calc alt., 1% diss. py.
		Sharp planar contacts are at 82 deg to the CA.
		300 to 306.3 Mod. to strongly altered QID.
		Fine garnet and small diss. chl-calc clusters become common
		below 300m. Wispy streaks of remobilized qtz-rich material
		accompany 3-4% mm size gar and 7-8% chl at around 305.5m.
		3-4% fine diss. py.
		306.55 to 309.4 Well bedded fine ash tuff. Distinctive due
		to the absence of qtz-eyes, and finer overall grain size.
		A crackle breccia? is developed over 50cm above lower contact.
		309.4 to 317.5 Altered similar to the section from 300-306.3m
		with a little less garnet and chl. May include some lithic
		fragments around 314m.
		Weak to mod. chl-gar alteration throughout. 3-5% med. grained
		diss. py, tr sph.
		Foliation is variable from 70-80 deg to the CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
292.12	292.56	0.44	10	NIL	NIL	NIL	NIL
294.83	296.34	1.51	50	10	330	1.0	NIL
299.32	300.76	1.44	30	14	116	0.6	4
302.73	304.22	1.49	590	22	470	0.6	22
304.22	305.80	1.58	65	16	130	0.4	32
309.08	310.30	1.22	25	38	340	0.8	7
310.30	311.69	1.39	120	92	1200	1.0	12
311.69	312.87	1.18	160	88	500	1.4	10
312.87	314.04	1.17	50	89	280	1.0	8
314.04	315.46	1.42	55	65	152	1.2	10
315.46	316.84	1.38	60	57	103	1.0	10
318.47	319.93	1.46	240	55	149	0.4	14
322.90	324.40	1.50	135	50	182	0.6	21
325.88	327.38	1.50	55	59	240	0.8	12
328.86	330.15	1.29	120	64	140	0.6	8
330.15	331.47	1.32	170	41	210	0.8	5
337.13	338.43	1.30	30	23	1250	1.0	16
340.49	341.03	0.54	40	2	104	0.4	NIL
341.03	341.63	0.60	170	4	195	0.6	NIL
341.63	342.76	1.13	40	34	330	0.2	6
342.76	343.74	0.98	50	42	650	0.6	7
343.74	344.65	0.91	55	35	400	0.4	7
344.65	346.25	1.60	50	113	145	1.0	10
346.25	347.47	1.22	80	46	120	1.2	4
356.62	357.84	1.22	30	10	92	0.4	NIL
357.84	358.46	0.62	620	37	58	0.8	NIL
358.46	359.66	1.20	65	24	51	0.6	NIL
362.86	364.24	1.38	45	11	100	0.6	6

FROM	TO	LITHOLOGICAL DESCRIPTION
		Includes an 8-10cm wide altered gabbroic dyke at 55-65 deg to the CA at 316.65m. As well, tr po was noted at 342.6m within a 5mm wide qtz stringer at 15 deg to the CA.
		317.5 -Below this point 2-3% small to large qtz-eyes, 1-2% fine garnet, and 3-5% chl as streaky lenses is usual. 3-4% fine py. Foliation is commonly 75 deg to the CA.
		Probably in part fragmental throughout most of the unit. Below 325m subangular, moderately flattened dacitic fragments to 1 x 2cm can commonly be recognized.
		Patchy to streaky zones of mod. to strong chloritization with abundant fine gar occur as discrete zones over 2-3cm at 326.7m, and over 15 cm at 330.9m.
		Five 2-4mm wide qtz-calc-sph filled fractures, as well as tr diss. sph occur between 337.25 and 338.4m, all at <35 deg to the CA.
		340.5 to 340.73 Qtz-eye rich ash to crystal tuff with 15-20% 2-3mm qtz-eyes. Strongly sericitized, with 2-3% diss. py.
		340.73 to 341.37 Ash Tuff with <1% qtz eyes. Strongly sheared. Altered and mineralized similar to previous subunit. Includes fol. parallel tour-rich qtz veins from 340.8-340.92m, and from 341.03-341.34m. The veins contain about 5% fine tour, 5% chl-

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
364.24	365.76	1.52	60	10	115	0.6	3
365.76	367.26	1.50	25	6	50	0.4	NIL
367.26	368.75	1.49	40	8	38	0.4	NIL
368.75	370.03	1.28	45	9	32	0.6	NIL
370.03	370.81	0.78	40	5	41	0.4	NIL
370.81	371.21	0.40	310	9	40	0.4	NIL
371.21	372.67	1.46	45	9	26	0.2	4
372.67	373.67	1.00	90	40	25	0.4	NIL
373.67	374.90	1.23	40	44	48	0.4	NIL
374.90	376.20	1.30	45	15	58	0.2	NIL
376.20	377.20	1.00	55	22	56	NIL	NIL
377.20	378.53	1.33	30	22	57	NIL	NIL
378.53	379.38	0.85	25	10	41	NIL	3
379.38	380.47	1.09	85	28	55	0.2	5
380.47	381.49	1.02	50	27	51	0.4	4
381.49	382.72	1.23	45	61	54	NIL	NIL
382.72	384.04	1.32	205	205	54	0.8	NIL
384.04	385.20	1.16	75	175	90	0.6	2
385.20	385.58	0.38	315	1450	122	3.0	NIL
385.58	386.29	0.71	70	470	55	0.6	NIL
386.29	387.49	1.20	15	22	39	NIL	NIL
387.49	388.14	0.65	160	195	84	0.4	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		calc, 2-3% fine py, and tr sph and musc.								
		341.37 to 344.2 Similar to the interval preceding the tuffs, but without appreciable garnet content. Several individual flows are identifiable due to qtz-eye grading, with the most prominent basal contact at 352.6m. 3-4% py and about 5% chl as wispy, somewhat interconnected fractures, oriented subparallel to foliation.								
		352.6 to 352.9 Discrete horizon with 2-3% <2mm qtz-eyes. Altered similar to overlying units. Contacts are 70 deg to CA.								
		352.9 to 354.05 Ash Tuff grading from nil-tr qtz-eyes at top to 1-2% small qtz-eyes at lower contact. Strong ser alt. Top contact is 80 deg to CA, foliation is 75 deg to CA, and lower contact is 70-75 deg to CA.								
		354.05 to 355.1 Similar to 352.6-352.9m. 3-4% very fine py.								
		Below 355.1m, weakly bedded, with <1% fine qtz-eyes. Sulphide content gradually rises to 7-8% py by 363m, as coarser diss. material and also along wider and more abundant dilatant fractures. Most fractures are fol. parallel to subparallel. Rare X-cutting fractures are crenulated to ptygmatically folded.								
		Very well bedded on a 2-5mm scale from 373.7-374.58m, and from 385.75-388.28m. At 385.55m 25% py occurs over ~15cm due to								

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		wide bands of diss. py. Alteration is similar to that within adjacent units, and the section is spotted with 15% fine chl. below 388.1m. Foliation and bedding are 80-85 deg to the CA.								
388.28	401.9	ASH TUFF (Ash Tuff bdd, gdd)	388.14	389.47	1.33	575	910	59	2.0	5
		Pale grey and fine grained. Spotted in places with diss. chl.	392.88	393.19	0.31	185	19	37	0.4	5
		Well bedded on a 5mm to 1cm scale.	394.43	395.93	1.50	1160	163	69	1.0	3
		Strongly sericitized with 8-10% fine to med. grained diss. py.	395.93	397.49	1.56	110	17	48	0.4	3
		Foliation and contacts are commonly 80-85 deg to the CA.	397.49	398.80	1.31	165	34	56	0.6	4
			398.80	400.32	1.52	165	121	63	0.6	2
		Grades into and ash tuff with 1-2% small qtz-eyes at about	400.32	400.95	0.63	960	89	45	0.8	3
		391.75m. Includes 50% fol. parallel qtz stringers over 25cm	400.95	401.90	0.95	150	18	42	0.6	7
		at 393.05m								
		393.15 to 400.4 Fine ash tuff with tr qtz-eyes, grading to a slightly coarser ash with 1-2% qtz-eyes at about 394.75m, and into a fairly typical QID with up to 10% small qtz-eyes by about 396.75m. 7-8% fine to med. diss. py below 394.75m.								
		400.4 to 403.4 Graded interval similar to 393.15-400.4m, but grading to a chl spotted ash tuff with 2-3% small qtz-eyes. Strongly sericitized. 7-8% diss. py above 402m, 3-4% finely disseminated below. Upper contact is ~75 deg to the CA.								

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RAINY RIVER
HOLE No.: NR9653

FROM	TO	LITHOLOGICAL DESCRIPTION

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
44.80	-50.00	360.00
107.00	-44.50	4.00
183.00	-42.00	5.50
253.00	-41.00	8.00
384.00	-38.00	12.00
403.40	-38.00	

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9654
Collar Eastings: -550.00
Collar Northings: -625.00
Collar Elevation: 0.00
Grid: RICH

Collar Inclination: -50.00
Grid Bearing: 0.00
Final Depth: 50.00 metres
Abandonned in overburden.

Logged by:
Date:
Down-hole Survey:

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH
0.0	44.8	OVERBURDEN (Ovb) 2.3m core length of various lithologies as well-ground, pebble sized boulder fragments, including a few <15 cm long intact pieces. In decreasing order of abundance, the varieties are: int.-felsic m.volcanics, with one 15 cm piece carrying 10-15% py and presumed to be local; hornblende syenite and lesser qtz monzonite; mafic-int. m.volcanics, poss. all from a single boulder; fine to med. grained gabbroic rock, some with minor blue qtz; and a few small andesitic fragments. EOH.	0.00	0.00	0.00

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
50.00	-50.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9655
Collar Eastings: -550.00
Collar Northings: -635.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -55.00
Grid Bearing: 360.00
Final Depth: 388.60 metres

Logged by: Chris Wagg
Date: 96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	46.34	OVERBURDEN (Ovb) Into boulders at about 36.5 m. 3.5-4 m of Box 1 is made up of boulder fragments of various compositions, primarily mafic metavolcanics and intermediate to felsic plutonic rocks.								
46.34	50.02	DACITIC ASH TUFF (Ash Tuff) Medium grey, fine grained. Well bedded. Dacitic in composition and relatively unaltered. Tr qtz-eyes to 2 mm. Contains about 5% fine chl +/- amph. Weak to moderate pervasive calcite alteration. 1-2% very fine disseminated py. Well foliated at 55-65 deg to the CA, and strongly fractured to shattered in random orientation, with mm-wide calcite fillings, and with traces of chl, qtz and k-spar.								
50.02	58.14	MAFIC TO INTERMEDIATE TUFF (Maf-Int Tuff) Dark green streaked with pale grey. Mafic ash to fine crystal tuff interspersed with 1-10 cm thick beds of fine dacitic ash. Ash beds commonest from 54.5-57.2 m. Weakly chloritized and calcite altered, with 3-5% <1 mm garnet present below 57.25 m. 3-4% fine diss. Py throughout most of the unit, with 10-15% present over 50 cm at 56.9 m	54.00	54.88	0.88	35	100	390	2.4	13
			57.35	57.61	0.26	25	260	370	2.2	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		due to frequent py-chl-calc banding. Upper contact is offset by fracturing at 35 deg to the CA, but appears to have been conformable with foliation. The unit is strongly fractured, with common 1-2mm wide fol. parallel calcite fillings at 60-70 deg to the CA. Weakly brecciated at top contact and at ~54.25m. Lower contact is 62-63 deg to CA.								
58.14	65.50	DACITIC ASH/CRYSTAL TUFF (Ash/Xtal Tuff fg) Similar to the interval from 46.34-50.02 m, but slightly coarser grained. Weak pervasive k-spar alteration near upper contact and along fol. parallel fractures above 59.25 m. <1% fine py. 59.45 to 60.02 Fine mafic ash. Dark green spotted with 2-3% <1 mm garnets. Weakly chloritized, with tr-1% py. Well foliated at 70 deg to CA. Brecciated over 5-10 cm above lower contact, which is offset along a fracture at 45 deg to CA. 61.16 to 62.70 Mafic ash or fine crystal tuff similar to the interval from 59.45-60.02 m. Grades into material of similar appearance and composition to that of the main unit by 62.5 m. 64.0 to 64.70 Very fine, pale grey ash section. Tr sulphide. Well bedded/foliated at about 70 deg to the CA.								
65.5	140.9	QUARTZ EYE DACITE/CRYSTAL TUFF (QID fg-mg)	71.62	73.15	1.53	150	23	176	0.6	8

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9655

FROM	TO	LITHOLOGICAL DESCRIPTION
		Banded medium to light grey. 3-4% small to med. sized qtz eyes, and locally 5-10% fine feldspar phenocrysts, in a fine crystal groundmass. Weakly calcite and sericite altered, with 2-3% very fine py. Trace sub-mm garnet is common, and 3-4% 1mm garnet is present in places. Upper contact offset along fractures filled with qtz-calcite, minor chl and sph. Very well foliated at 65-70 deg to CA, with occasional warping and weak kinking.
	83.72	
83.72	84.72	1.00 540 26 155 0.6 87
		Individual flows are rarely distinguishable, in part due to commonly broken core above 78 m, although the bottom contact of a medium to dark grey section with feldspar phenocrysts and med. to large qtz eyes is distinguishable at 68.9 m, and a 12 cm thick fsp rich crystal tuff occurs at 69.5 m. Contacts are 65 deg to the CA.
		70.4 to 83.60 Well banded on a few mm to cm scale, with moderate bleaching along shear planes. 3-5% <3 mm qtz eyes are common. Weakly to moderately sericitized, with 3-4% fine diss. py. Foliation decreases progressively to 40-45 deg to the CA at about 74.50m, and is back to 60-65 deg to CA at the margins of a 20? cm thick zone of broken fault gouge at 77.4 m. CA parallel and low angle fractures with hairline to mm-wide calcite fillings are relatively common within and below this section, sometimes as slips along kinks in the foliation.
		83.60 to 135.55 Relatively unbanded, uniformly coloured and

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
73.15	74.40	1.25	135	15	108	0.4	3
74.40	76.12	1.72	90	7	94	0.2	1100
76.12	76.72	0.60	280	25	1100	0.8	8
76.72	78.10	1.38	160	18	98	1.0	79
78.10	79.24	1.14	130	14	73	0.3	81
79.24	80.44	1.20	125	12	93	0.2	110
80.44	81.44	1.00	80	24	111	0.2	18
81.44	82.29	0.85	110	9	72	0.3	155
82.29	83.72	1.43	60	18	88	0.6	24
84.72	85.72	1.00	150	30	410	0.8	89
85.72	86.72	1.00	210	54	305	1.8	140
86.72	87.72	1.00	90	14	168	0.3	85
87.72	88.72	1.00	200	21	89	0.5	3600
88.72	89.75	1.03	140	32	350	0.9	1
89.75	90.79	1.04	200	85	1450	15.6	2600
90.79	91.44	0.65	180	36	3600	3.8	650
91.44	92.69	1.25	1160	40	197	1.2	74
92.69	93.69	1.00	380	35	470	3.6	13
93.69	94.48	0.79	505	26	83	0.5	45
94.48	96.00	1.52	145	31	121	1.5	3
96.00	97.53	1.53	340	17	52	0.5	102
97.53	98.67	1.14	60	13	450	0.9	104
98.67	99.67	1.00	630	14	45	0.9	130
99.67	100.58	0.91	695	112	630	2.6	330
100.58	101.83	1.25	720	16	205	1.2	78
101.83	102.83	1.00	270	14	115	0.6	3
102.83	103.63	0.80	70	20	80	0.5	109

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9655

FROM	TO	LITHOLOGICAL DESCRIPTION
		evenly altered quartz eye dacite. 3-4% fine garnet is common locally and 2-3% fine py with rare <2 mm thick foliation parallel fracture fillings. Tr sph with py at 91.3 m. Overall, veining is very rare, and those found are narrow.
		Garnet largely disappears by 97.0 m Quartz eyes and the unit overall gradually coarsen with depth. Foliation variable from 70-75 deg to the CA.
		99.8 to 100.6 CA parallel quartz veinlet filling an irregular walled tension gash. 5-7% py over 0.8 m from fracture fillings within the veinlet.
		115.0 - 7-8 cm wide fol. parallel fine qtz-calcite vein with a few percent fine py and tr sph. Foliation 70-75 deg to CA.
		117.35 -2 cm wide qtz vein with 1-2 % py, tr galena and sph. 25-30 deg to CA, nearly perpendicular to the foliation.
	122.46	
		124.0 -Below this point the unit is moderately bleached and contains 5-7% py and tr sph, disseminated and as occasional wispy lenses to 1-2 cm thick which parallel foliation. Includes a folded subconcordant qtz vein over a 10 cm core length at 135.0 m with tr py and gal.
		135.55 to 140.9 Similar to the preceding rock, but with a med. grained crystal tuff groundmass with abundant calcite altered feldspar.

		ASSAYS						
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	
103.63	104.85	1.22	130	23	91	0.8	35	
104.85	105.95	1.10	75	14	79	0.4	115	
105.95	106.95	1.00	115	17	83	0.5	30	
106.95	107.87	0.92	230	76	960	3.4	310	
107.87	109.08	1.21	55	11	51	0.3	1	
109.08	110.08	1.00	70	12	83	0.5	115	
110.08	110.33	0.25	65	20	50	1.2	29	
110.33	111.38	1.05	115	17	68	0.2	60	
111.38	111.95	0.57	385	30	147	0.5	21	
111.95	112.95	1.00	250	66	900	2.2	220	
112.95	113.95	1.00	105	27	156	0.7	0	
113.95	114.87	0.92	50	14	151	0.8	124	
114.87	115.96	1.09	135	19	610	0.8	71	
115.96	116.96	1.00	40	11	46	NIL	600	
116.96	117.96	1.00	60	12	30	NIL	115	
117.96	119.46	1.50	60	21	63	0.2	890	
119.46	120.96	1.50	80	24	220	0.8	0	
120.96	122.46	1.50	65	16	365	0.3	131	
122.46	123.78	1.32	140	25	930	0.7	133	
123.78	124.96	1.18	300	7	240	0.6	104	
124.96	126.07	1.11	230	78	2050	1.2	215	
126.07	127.19	1.12	600	26	700	0.8	70	
127.19	128.01	0.82	560	115	3100	3.0	270	
128.01	129.01	1.00	310	41	890	0.3	138	
129.01	130.01	1.00	185	53	2300	0.4	140	
130.01	131.06	1.05	220	110	3350	1.1	510	
131.06	132.40	1.34	175	83	2800	1.3	50	
132.40	133.40	1.00	150	42	1150	0.4	1100	

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		3-5% fine diss. py, tr to <1% sph on average, with 8-10% sph	133.40	134.60	1.20	400	189	3800	2.6	230
		over 15 cm at 138.0 m from wispy foliation parallel to	134.60	135.22	0.62	195	72	2000	1.2	260
		sub-parallel seams.	135.22	136.38	1.16	310	20	450	0.6	41
		Foliation is commonly 75-80 deg to the CA. The lower contact	136.38	137.89	1.51	310	31	900	1.2	163
		of the unit is within a zone of broken core.	137.89	138.32	0.43	3800	116	11800	3.2	80
			138.32	139.29	0.97	1210	39	1150	1.0	6
			139.29	140.24	0.95	850	90	2800	1.0	7
140.9	145.85	QTZ-FELDSPAR ASH TUFF (QF Ash Tuff)	140.24	140.92	0.68	510	69	3000	0.8	10
		Weakly graded from ash tuff at top to fine crystal tuff at base.	140.92	141.45	0.53	880	50	2900	0.8	23
		Pale grey, with 5% quartz eyes and 5-10% feldspar , both	141.45	141.93	0.48	550	62	1100	0.6	15
		occasionally to 5 mm. Unbanded.	141.93	142.56	0.63	1100	98	6000	0.8	17
		4-5% fine py, rising to 7-8% toward the bottom of the unit,	142.59	143.29	0.70	730	162	3400	1.2	89
		with up to 1-2% sph diss. locally, and cm-wide qtz veins with	143.29	144.38	1.09	260	78	3200	1.2	560
		diss. sph and lesser py. Veins occur at 140.95m and 141.55m	144.38	145.25	0.87	495	42	1000	1.4	820
		at about 25 and 15 deg to the CA respectively. Moderately to								
		strongly sericitized.								
		Moderately foliated at about 70 deg to the CA. Lower contact								
		is at ~73 deg to the CA.								
145.85	190.98	FINE CRYSTAL TUFF (Xtal Tuff fg)	145.25	146.34	1.09	205	18	160	NIL	8
		Pale grey, dacitic in composition, and weakly to moderately	146.34	146.93	0.59	265	165	8300	0.6	14
		banded/bedded on a sub-cm to cm scale. Trace to 1% <1mm qtz	146.93	148.11	1.18	225	23	560	0.4	5
		eyes. Banding is due to chlorite and sericite concentrations	148.11	148.87	0.76	310	31	124	NIL	105
		along foliation parallel to somewhat anastomosing shear planes.	148.87	149.13	0.26	525	220	790	1.0	26
		Similar alteration to preceding units, with up to 5-7% fine	149.13	150.13	1.00	670	18	184	0.5	165
		chlorite and commonly 2-3% fine garnet. 2-3% very fine py	150.13	151.44	1.31	195	13	105	NIL	166
		with tr sph in places. Foliation parallel cm-wide qtz veins	151.44	152.44	1.00	145	12	137	0.3	205

FROM	TO	LITHOLOGICAL DESCRIPTION
		occur at 146.88m and 149.05m, the lower one with diss. cpy and tr gal.
	154.28	
		162.9 to179.5 Much less banded. Chlorite and garnet occur disseminated and sporadically rather than continuously. Includes a 5-10 mm thick fol. parallel py-cpy filled fracture with strongly calcite and garnet altered wallrock at 177.9 m. Several CA parallel fractures with chloritized margins and chains of garnets, occur just below the cessation of strong banding. Foliation varies from 65-75 deg to the CA.
	165.00	
		179.5 to 190.98 Well banded/bedded through to bottom of unit generally at 70-75 deg to the CA. Lower contact is slightly undulatory, and may differ from foliation by up to 5 degrees. Contact appears 75-80 deg to CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
152.44	153.28	0.84	250	155	680	0.8	10
153.28	154.28	1.00	210	18	121	0.2	650
154.28	155.78	1.50	250	30	96	0.2	NIL
155.78	157.28	1.50	60	20	102	0.2	171
157.28	158.50	1.22	110	13	88	0.2	173
158.50	159.50	1.00	165	14	80	0.2	2250
159.50	160.50	1.00	460	16	260	NIL	14
160.50	161.54	1.04	215	15	164	NIL	340
161.54	162.20	0.66	225	16	105	NIL	NIL
162.20	163.13	0.93	120	16	420	0.4	3
163.93	164.46	0.53	150	26	148	0.2	179
165.00	165.56	0.56	205	64	1400	0.6	NIL
165.56	166.30	0.74	190	15	360	NIL	47
166.30	167.10	0.80	205	19	440	NIL	290
167.10	168.15	1.05	170	50	620	1.0	NIL
168.15	168.97	0.82	200	28	650	NIL	2
168.97	169.97	1.00	420	15	180	NIL	186
169.97	170.70	0.73	1110	34	285	NIL	100
170.70	171.70	1.00	280	46	1050	NIL	26
171.70	172.70	1.00	535	210	3000	0.9	108
172.70	173.70	1.00	2250	43	475	1.2	0
173.70	174.70	1.00	45	14	95	NIL	191
174.70	176.20	1.50	175	35	340	NIL	194
176.20	177.20	1.00	725	25	415	NIL	100
177.20	177.86	0.66	450	65	690	0.6	9
177.86	178.10	0.24	1120	2250	17900	5.6	4
178.10	178.70	0.60	125	17	160	0.4	NIL
178.70	179.83	1.13	70	17	140	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
			179.83	180.95	1.12	210	47	700	0.4	NIL
			180.95	182.45	1.50	445	57	290	NIL	360
			182.45	183.45	1.00	100	105	1450	5.2	27
			183.45	184.25	0.80	135	10	84	NIL	790
			184.25	184.90	0.65	110	46	415	NIL	1
			184.90	186.38	1.48	140	19	490	0.4	NIL
			186.38	187.16	0.78	100	21	139	0.3	211
			187.16	187.90	0.74	175	26	97	0.6	300
			187.90	189.36	1.46	110	30	108	0.4	3
			189.36	190.06	0.70	140	25	64	0.3	2400
			190.06	190.80	0.74	15	23	182	NIL	1
190.98	273.48	QUARTZ EYE DACITE/CRYSTAL TUFF (QID/Xtal Tuff)	190.80	192.31	1.51	120	14	57	0.8	NIL
		Similar to the interval from 65.5-140.9 m, but with 3-5% qtz	192.31	193.81	1.50	350	123	500	2.2	NIL
		eyes usually <4 mm, and only 1-2% feldspar phenocrysts in	193.81	195.15	1.34	100	72	680	0.8	NIL
		places. Rare fairly small lithic fragments occur from place	195.15	196.66	1.51	170	65	430	0.8	3
		to place, probably at or near the lower contacts of individual	196.66	198.12	1.46	125	51	370	0.8	NIL
		flows. Very weakly bedded.	199.78	201.17	1.39	160	163	440	2.6	12
		Moderately to strongly bleached and sericitized, with 3-5%	201.17	202.24	1.07	225	38	570	0.8	4
		fine to med. grained diss. py, and tr sph locally.	202.24	202.80	0.56	210	98	400	2.0	15
		Foliation is commonly 75-85 deg to the CA.	202.80	203.92	1.12	225	89	520	2.4	17
		203.92	204.51	0.59	360	90	2000	1.6	15	
		197.2 to 197.31 ASH TUFF (Ash Tuff)	204.51	205.70	1.19	150	27	1450	1.2	15
		Dacitic ash bed with tr sub-mm qtz eyes at ~80 deg to CA.	205.70	206.87	1.17	235	22	790	0.8	27
			206.87	208.08	1.21	275	17	85	0.8	108
		198.13 to 198.15 ASH TUFF (Ash Tuff)	208.08	208.51	0.43	145	48	114	0.9	255
		Thin bed of pale grey dacitic ash at ~80 deg to the CA.	208.51	210.07	1.56	10	NIL	NIL	NIL	NIL
		Similar bed occurs from 198.39-198.48 m.	210.07	210.94	0.87	205	25	580	1.2	66

FROM	TO	LITHOLOGICAL DESCRIPTION
	210.94	211.74
		199.95 to 202.25 ASH AND FINE CRYSTAL TUFFS (Ash Tuffs)
		Six interbedded Ash to Fine Crystal Tuffs, most about 10 cm in thickness, but the lower two 25-30cm and 65-70 cm respectively. The tuffs contain only 1-2% small qtz eyes, and 2-3% fine py, markedly less than the host unit. A single quartz veinlet at 200.2m, with non-parallel contacts at 55-60 and 40 deg to the CA, contains tr cpy.
		Contacts parallel foliation and vary from 65-75 deg. to the CA.
		208.46 to 210.05 ALTERED MAFIC DYKE (Alt. Maf Dyke)
		Lamprophyre? Dark green speckled with small whitish spots. Very similar to, and likely correlates with, a dyke at ~151m in DDH NR 96-53. Biotite-rich, strongly calcite altered, and likely with minor chlorite. Also contains about 5% non-effervescent, round, greenish-white grains 1-2mm in size, which may perhaps be altered olivine. Weakly magnetic throughout. Top contact is 30-35 deg to the CA, lower contact is at 55 deg.
		Foliation is commonly 80 deg to CA below the dyke, and the last distinct lithic fragments occur at about 211.4m.
		211.7 to 248.25 Weakly graded sequence of crystal tuffs with qtz eye contents ranging from 3-4% to 1-2%. Progressing toward uniform crystal tuff with 1-2% fine qtz eyes below about 230m.
		2-3% disseminated py, with tr sph in places above 220m.
		Includes partially hybridized/contaminated intrusive mafic

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.80	300	10	800	1.0	45		
211.74	212.18	0.44	435	19	3100	1.4	43
212.18	213.04	0.86	680	32	2400	1.4	15
213.04	213.77	0.73	855	20	1900	0.8	8
213.77	215.36	1.59	390	33	1900	1.0	27
215.36	216.95	1.59	450	21	340	0.6	20
216.95	218.59	1.64	1060	50	3400	1.2	24
218.59	219.98	1.39	2850	54	1900	1.4	15
219.98	221.05	1.07	70	16	1050	1.8	19
221.05	221.51	0.46	890	14	78	1.2	12
221.51	222.05	0.54	1060	26	740	1.5	290
222.05	222.73	0.68	4080	44	550	3.0	52
224.20	225.55	1.35	260	18	187	1.9	152
225.55	227.14	1.59	740	20	140	1.2	10
227.14	228.60	1.46	475	13	130	1.2	6
228.60	229.40	0.80	320	18	88	1.6	258
229.40	230.10	0.70	590	17	131	1.8	65
230.10	231.34	1.24	270	20	184	3.6	22
231.34	232.64	1.30	345	18	129	2.5	790
232.64	233.64	1.00	935	21	150	6.9	0
233.64	234.69	1.05	400	18	69	3.0	264
234.69	235.60	0.91	390	18	113	2.0	268
235.60	236.60	1.00	370	14	107	1.3	35
236.60	237.74	1.14	560	13	83	1.4	25
237.74	239.14	1.40	330	21	67	2.0	22
239.14	240.14	1.00	190	14	67	0.8	1
240.14	241.14	1.00	200	13	67	0.9	274
241.14	242.25	1.11	380	21	52	1.0	276

FROM	TO	LITHOLOGICAL DESCRIPTION
		material over 3-5 cm at 40-45 deg to the CA at 242.88 m, and over 60 cm from 243.70-244.3m, as an irregular zone with a 45 deg top contact, and a very irregular fracture controlled lower contact at <20 deg to CA.
		248.25 to 249.03 ALTERED MAFIC DYKE Alt. Maf Dyke) Medium green, very fine grained. Gabbroic in appearance, and composed primarily of fine amphibole, chlorite and calcite in approximately equal abundance. Reasonably similar to some of the narrow, fine grained med. green dykes encountered in Spring '96 drill holes, peripheral to the M-UM body located a short distance to the southeast. Strongly chl-calc altered, with 2-3% diss. py, coarsest and most abundant at contacts. Top contact is approx. foliation parallel at ~70 deg to CA. Lower contact is crosscutting at 55-60 deg to the CA.
		255.48 to 258.15 Similar to the surrounding dacite, but with 15-20% <2mm feldspar phenocrysts, essentially replaced by calcite, in addition to 1-3% small qtz eyes. Mod. to strong ser and calc alteration, 2-3% diss. py. Foliation parallel contacts at 70-75 deg to the CA.
		262.46 to 263.36 Very similar to 255.48-258.15 m.
		Below 263.36 the unit grades back to material with 3-4% 2-3 mm qtz eyes with a medium grained crystal groundmass, and 3-5% diss. py, quite similar to the top of the unit.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
242.25	243.32	1.07	520	13	74	1.0	10
243.32	244.32	1.00	120	50	112	0.6	3
244.32	245.46	1.14	150	30	150	2.8	36
246.88	247.69	0.81	525	50	450	7.0	34
247.69	248.33	0.64	155	47	220	3.0	24
248.33	249.15	0.82	30	9	NIL	NIL	NIL
249.15	250.15	1.00	140	22	130	1.6	117
250.15	251.50	1.35	290	30	168	1.6	92
251.50	252.98	1.48	675	52	440	2.0	52
252.98	253.98	1.00	505	38	152	1.0	0
253.98	254.98	1.00	170	25	142	0.4	300
254.98	255.98	1.00	95	12	83	0.4	302
255.98	256.98	1.00	210	15	105	0.4	10
256.98	257.83	0.85	145	26	430	0.5	17
257.83	258.83	1.00	65	30	96	0.7	44
258.83	259.83	1.00	50	26	115	1.0	2
259.83	260.60	0.77	115	50	790	3.1	320
260.60	262.10	1.50	120	26	100	0.4	324
262.10	263.65	1.55	80	21	265	0.5	350
263.65	264.90	1.25	60	19	174	0.8	28
267.00	267.83	0.83	60	50	370	1.0	40
269.22	270.56	1.34	35	30	120	1.2	28
270.56	271.53	0.97	110	27	540	1.2	26
271.53	272.47	0.94	75	33	280	1.6	35
272.47	272.80	0.33	75	19	108	1.4	12

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		270.7 to 270.9 Strongly bleached, coarse grained qtz-eye dacite with about 5% qtz eyes to 3mm in size. 4-5% diss. to weakly banded py. Contacts are near 90 deg to the CA and appear fol. parallel.								
		271.5 to 272.85 Similar to 270.7-270.9m, but with 3-4% diss. py. Includes 3-4 cm wide fol. parallel qtz veins with tr sulphide at 272.5 and 272.67m.								
		272.82 to 273.48 Two well laminated beds of fine crystal tuff with tr-1% fine qtz eyes. Bedded on a mm to 0.5 cm scale with the lower unit below 273.18 m consisting of ~15% sub-mm ser-chl laminae. Mod. to strongly bleached and sericitized. Bedding is only weakly deformed with a small scale drag fold and weak kinking present at 273.25m. Foliation and contacts are 75-80 deg to the CA.								
273.48	288.05	FRAGMENTAL TO BRECCIATED QTZ-EYE DACITE (QID Frag-Bx) Dacitic crystal tuff with 1-3% qtz eyes on average, composed of cm thick flattened to lenticular lozenges and pea sized sub-spherical lapilli, surrounded by a network of anastomosing mm-thick ser and chl-rich shear planes and infilled hairline fractures. Strongly sericitized, with moderate calcite alteration and probably minor talc. Moderately to strongly bleached	272.80	274.00	1.20	195	35	129	1.2	20
			274.00	275.18	1.18	20	20	48	2.8	8
			275.18	275.84	0.66	25	24	51	4.2	10
			275.84	276.64	0.80	40	20	45	5.0	11
			281.91	283.36	1.45	750	66	1400	100.0	590
			284.84	285.43	0.59	350	33	1800	98.0	1200
			285.43	286.56	1.13	90	26	181	19.2	115
			286.56	288.03	1.47	120	42	510	3.4	54

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		throughout, with 3-4% very fine diss. py. Foliation is typically 75-80 deg to the CA. Fabric is likely due in part to primary fragmental sections and in part to "flaser" style fracturing and shearing during deformation.								
		281.75 to 288.05 Strongly bleached section with 2-3% fine garnet and tr sph and gal above 285.5m. Grades toward an homogeneous coarse crystal tuff toward lower contact; non-fragmental and unfractured/uniformly sheared.								
288.05	288.48	FINE QTZ-EYE DACITE/CRYSTAL TUFF (QID/Xtal Tuff fg) Fine grained interval distinct from the surrounding rock. 1-2% generally <1mm qtz eyes. Unbanded. Altered similarly to adjacent units, and with 1-2% fine diss. py. Contacts and foliation are ~75 deg to the CA.								
288.48	301.70	BROKEN AND ALTERED QID/ASH TUFF (QID/Ash, alt'd)	288.03	289.07	1.04	15	27	108	1.6	36
		Fragmental to brecciated at top of unit, similar to interval	289.07	290.45	1.38	NIL	15	340	1.0	23
		from 273.48-281.75m but composed principally of ash as	295.00	295.43	0.43	60	29	220	1.4	24
		opposed to crystals. 1-3% small qtz eyes.	295.75	296.75	1.00	10	25	187	0.6	17
		Grades into a rock at about 296.40m with a streaky appearance	296.75	297.83	1.08	10	17	121	0.4	15
		which is clearly the result of deformation and alteration	297.83	298.79	0.96	10	11	129	0.4	17
		rather than being indicative of a fragmental origin.	298.79	300.25	1.46	5	16	90	0.6	12
		Moderately sericitized, with 1-2% <1mm garnet, 2-3% fine py.	300.25	301.56	1.31	10	19	129	0.6	10
		Includes a 5-7 cm wide fol. parallel qtz vein at 65 deg to the								

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		CA at 295.1m, and a 15-18 cm core length vein at 295.4 m with a crosscutting folded top contact and a fol. parallel lower contact. Both veins contain minor chl-calc and tr py.								
		296.4 to 301.7 Mottled to streaked with patches of dark grey-green, fine grained alteration products, including garnet-chl-calc-py in an aphanitic somewhat siliceous matrix. Pervasive metasomatic replacement appears to have occurred adjacent to fractures and in dilation zones up to 10-15 cm wide, developed parallel to foliation at 60-65 deg to the CA. 2-3% fine gar and py overall.								
301.7	352.15	QUARTZ EYE DACITE/CRYSTAL TUFF (QID/Xtal Tuff)	301.56	302.05	0.49	10	17	370	0.8	11
		Similar to previous intervals of this unit, with 1-3% qtz eyes.	302.05	303.48	1.43	10	11	188	0.4	13
		Weakly bedded in places at 60-70 deg to the CA.	303.48	304.73	1.25	20	17	66	0.4	13
		Commonly spotted with 15-20% 1-2 mm clusters of fine chlorite	305.53	306.63	1.10	150	21	44	0.6	8
		and containing tr garnet above 310m. Below 310m, 2-3% garnet	314.53	315.70	1.17	120	48	1150	1.8	730
		up to 1 mm is common. 2-3% very fine diss. py is present	316.80	318.08	1.28	5	11	77	0.4	18
		throughout.	319.90	321.11	1.21	75	19	280	2.0	34
			322.60	323.61	1.01	105	21	250	1.8	34
		323.61	324.54	0.93		350	470	330	2.0	43
		319.62 to 352.15 Unit coarsens markedly at about this point,	324.54	324.93	0.39	145	48	100	1.0	6
		and again contains clusters of fine chlorite at 5-10% levels.	324.93	325.66	0.73	95	43	750	2.0	34
		3-5% small to medium sized qtz eyes is usual, with weak	325.66	326.22	0.56	450	40	1300	1.8	31
		banding/bedding evident in places.	326.22	326.60	0.38	1610	600	5800	6.6	44
		Altered to a similar degree to preceding intervals, and with	326.60	327.33	0.73	35	35	710	0.8	22
		3-5% fine to med. grained py, diss. and as occasional fol.	327.33	328.60	1.27	90	33	780	1.2	15

FROM	TO	LITHOLOGICAL DESCRIPTION
		parallel hairline fracture fillings or <5mm wide seams. Individual flows display a faint grading/fining upwards, and are generally more well bedded at top contacts. Contacts are identifiable at 324.53 m and 324.75 m at about 70 deg to the CA. Contacts at 328.8 m 331.75 m are at 60-65 deg to the CA, and all are foliation parallel.
		Tr sph is common from about 322.8-331.0m, reaching 1-2% over 50cm at 326.25m. The top 1-1.5m of this interval is moderately to strongly Fe-carb altered, and 5-10 cm wide fol. parallel qtz-carb veins are developed at 323.10 and 324.8 m.
		324.15 - IRON FORMATION ? (IF) A 1 cm thick partially ground bed of magnetite iron formation appears to have been oriented parallel to foliation at about 65-70 deg to the CA.
		332.2 to 351.0 Groundmass is fine crystal tuff. 3-5% fine py overall for the section. patchy dark grey zones of remobilized alteration products including qtz-calc-chl-py are common just below the top contact for about 50 cm.
		349.4 to 349.75 A 1-2 cm wide qtz vein with diss. py appears to fill a tension gash which parallels the CA.
352.15	366.80	*DIABASE DYKE (Diab)* Medium grey green, fine grained. 50-60% fine pyroxene +/-

		ASSAYS						
		FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		328.60	329.44	0.84	45	13	195	0.8	13
		329.44	330.70	1.26	100	44	820	0.8	12
		330.70	332.04	1.34	160	65	890	1.2	28
		332.04	332.77	0.73	80	35	215	1.6	38
		332.77	333.75	0.98	95	37	400	1.4	56
		333.75	334.71	0.96	55	24	450	1.4	47
	334.71	335.68	0.97	75	17	450	1.4	53	
		341.22	342.34	1.12	95	14	97	1.0	24
		342.34	343.53	1.19	140	12	127	1.0	16
		343.53	344.62	1.09	265	21	640	1.0	14
		348.15	348.99	0.84	50	6	40	0.4	NIL
		348.99	351.15	2.16	65	128	95	0.2	6

FROM	TO	LITHOLOGICAL DESCRIPTION
		amph. 40-50% fine pale grey plagioclase. Non-foliated, and chilled over 1-2 cm at its margins. Upper contact is 60 deg to the CA, oblique to the country rock foliation at about 65 deg to the CA. Lower contact is 75-80 deg to the CA, sub-parallel to foliation. Moderately magnetic throughout.
366.8	388.6	QUARTZ-EYE DACITE/CRYSTAL TUFF (QID/Xtal Tuff) Similar to the interval preceding the diabase. Commonly 3-4% small to med. sized qtz eyes and 3-4% fine diss. py in a fine to medium grained crystal tuff. Well bedded for the most part at 75-80 deg to the CA.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
366.80	367.91	1.11	45	25	145	0.4	8
367.91	369.27	1.36	115	19	230	NIL	14
369.27	370.33	1.06	95	22	193	NIL	39
370.33	371.05	0.72	35	133	34	NIL	17
372.26	373.38	1.12	75	20	165	0.8	32
379.27	380.15	0.88	100	66	560	1.4	39
383.10	383.95	0.85	200	48	600	0.6	6
383.95	385.07	1.12	90	14	210	0.8	17
387.14	387.82	0.68	320	210	380	1.0	16

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
42.67	-50.00	360.00
51.83	-45.50	3.00
103.63	-42.50	4.00

FROM	TO	LITHOLOGICAL DESCRIPTION	DEPTH	INCLINATION	BEARING
			164.59	-39.00	5.50
			225.55	-37.50	8.00
			278.89	-37.00	9.00
			350.52	-35.50	14.00
			388.60	-34.50	

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9656
Collar Eastings: -950.00
Collar Northings: -800.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 90.00
Final Depth: 186.00 metres

Logged by: C.A.WAGG
Date: 08/10/96-10/10/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	4.70	OVERBURDEN (Ovb) 30-40cm of boulders and ground bedrock at the top of Box 1.								
4.70	6.08	INT-FELSIC ASH TUFF (Int-Fels Ash Tuff fg-mg) Pale grey, fine grained. spotted with med. to coarse diss. py and streaked with 0.5-1cm wide lenses of py and chl. Trace to 1% qtz-eyes up to 1mm. Moderately to strongly sericite, calcite and chlorite altered. 10-12% py, both as isolated grains often with mm thick rims of chl, and as wispy lenses parallel to sub-parallel to fol., usually accompanied by prominent chl and calc.. Very well foliated, with a somewhat sheared appearance. Fol. is 55 deg to CA at top of unit, 65 deg to CA at lower contact.	4.70	5.30	0.60	3560	143	142	3.6	NIL
6.08	20.0	MAFIC TUFF (Maf Tuff fg-mg) Pale to medium green, fine to medium grained. A series of 15 to about 50cm thick flows, all of similar composition, distinguishable from each other primarily on the basis of grain size and sulphide abundance. About 50-75% very fine chl and calc, 5-15% fine to med. grained diss. mag. Some individual flows contain 2-3% <2mm qtz eyes and up to 5-10%	5.30	6.10	0.80	1140	183	168	3.8	NIL
			6.10	6.98	0.88	105	47	205	1.6	NIL
			6.98	7.61	0.63	485	92	320	2.0	NIL
			7.61	8.36	0.75	100	80	290	1.8	NIL
			8.36	9.15	0.79	355	210	1050	1.8	4
			9.15	10.49	1.34	45	46	210	0.8	NIL
			10.49	11.97	1.48	65	60	235	1.2	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		small calc altered fsp phenocrysts. Very strong chl-calc alteration +/- shearing has largely obscured and traces of bedding other than contacts. 7-8% medium grained diss. py is usual above about 12.8m, and from 16.0-16.6m. Elsewhere the rocks are finer grained and contain only 1-2% fine diss. py. 19.15 to 19.85 15-20% 1-5cm wide qtz stringers and veinlets, some with diffuse boundaries suggestive of replacement/qtz flooding, developed within a fine to med. grained section visually no different from much of the mafic sequence. No particular preferred orientation within the zone, but its margins parallel fol. at ~50 deg to the CA. Lowermost 15 cm of the unit is a faintly bedded med. to coarse grained tuff, foliated at 35-40 deg to the CA.
20.0	21.20	FINELY BEDDED ASH TUFF (Ash Tuff bdd) Similar in overall composition and texture to preceding tuffs, but well bedded on a 0.5-1cm scale, and including a 3-4cm section at 20.75m with a few dacitic beds and abundant banded to bedded py. Similar chl-calc alteration to that within preceding tuffs, possibly accompanied by minor biotite. 7-8% fine diss. py on average, with 20-25% over 10cm at 20.75m. Foliation parallels bedding and contacts at 35-38 deg to CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
11.97	12.80	0.83	100	47	205	1.2	NIL
12.80	13.61	0.81	95	80	460	1.0	2
13.61	15.00	1.39	170	28	240	1.0	NIL
15.64	16.76	1.12	70	137	320	1.0	NIL
16.76	17.74	0.98	220	93	400	1.4	5
18.86	19.23	0.37	140	99	104	0.8	3
19.23	19.81	0.58	585	30	80	2.2	5
19.81	20.50	0.69	90	131	350	0.8	7

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9656

FROM	TO	LITHOLOGICAL DESCRIPTION
21.20	73.22	**MAFIC TUFF (Maf Tuff)** Similar to the interval from 6.1-20.0m. A little finer grained and slightly less altered near the top contact, and with only 2-3% fine diss. py for the most part. Moderately well foliated at 35 occasionally to 45 deg to the CA., and mod. to strongly fractured in random orientations with 1-5 mm calc +/- qtz fillings. A few flows within this unit grade from fine to med. grained at their upper contact to med. grained at their lower contact. 23.29 to 23.50 ASH TUFF (Ash Tuff , py) Pale grey, fine grained, with trace sub-mm qtz-eyes. Moderately sericitized, with 12-15% py. Py is fine to occ. med. grained, and occurs diss., along fol. parallel slips as 1-2mm thick seams, and along crosscutting fractures as mm-wide pure sulphide fillings. Some cm-wide dilatant fractures in mafic tuff at 23.55m at about 45 deg to the CA are filled with exceptionally fine grained massive py. Upper contact 40 deg to the CA. Lower contact sheared and fractured, appears gradational due to cross-contact alt. and py remobilization. Reappearance of fine mag is at 23.5m A 1-3 cm wide crosscutting qtz-calc stringer at 23.4m contains a few 5mm tour clusters and has traces of sph along both contacts. It cuts the CA at about 45 deg, near perpendicular

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
20.50	21.22	0.72	1610	450	410	5.6	5
23.24	23.69	0.45	2830	179	630	5.8	33
23.69	24.70	1.01	150	134	154	1.0	NIL
24.70	25.56	0.86	160	66	128	0.8	NIL
27.13	28.20	1.07	210	138	205	0.8	10
29.11	30.61	1.50	210	182	161	0.2	NIL
30.61	31.28	0.67	160	136	121	0.6	6
31.28	32.00	0.72	555	230	175	1.6	2
33.91	34.65	0.74	65	210	115	0.6	NIL
37.66	38.81	1.15	40	325	165	1.0	NIL
38.81	39.13	0.32	1420	710	660	5.9	NIL
39.13	39.48	0.35	90	375	161	1.4	18
47.96	49.05	1.09	285	130	148	1.4	NIL
53.48	53.96	0.48	1630	118	169	7.0	NIL
53.96	54.60	0.64	635	163	185	2.8	NIL
56.83	57.80	0.97	25	58	154	NIL	NIL
60.08	60.54	0.46	515	1100	200	4.0	3
60.54	61.76	1.22	1580	49	400	4.6	NIL
61.76	62.65	0.89	2450	143	1100	9.0	3
68.48	68.88	0.40	1610	30	330	4.4	NIL
68.88	69.21	0.33	3900	102	380	11.6	NIL
69.21	69.91	0.70	3270	170	1600	12.0	NIL
69.91	70.73	0.82	1270	305	6200	7.0	6
71.21	72.21	1.00	420	440	1300	2.4	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		to the foliation.								
		27.40 to 28.35 Coarse grained mafic tuff similar to the interval from 19.85-20.0m, here with 8-10% 1-2mm blue qtz-eyes. Strong chl-calc alteration with 4-5% diss. py. The top contact is coincident with a qtz vein (contact 30-35 deg to CA) which appears to have a true width of 10-15cm, and which undulates back and forth across the CA, pinches out to a cm-wide stringer a few cm above the lower contact. Vein contains 10% crystalline calc plus fe-carb, a 2-3% chl, tr-1% py, and tr tour. Lower contact of the subunit is 45-50 deg to the CA. Foliation in the vicinity is 40-45 deg to the CA.								
		30.75 to 31.52 Qtz vein similar to the one described within 27.4-28.35m. This vein occurs on only one side of the core above 31m, appears to have a true width of 15-20 cm, with a lower contact at 40 deg to the CA, and shearing in the adjacent wallrock at 40 deg to the CA. The vein truncates a calcite veinlet sharply at 30.85, and contains about 15% fine black tour +/- minor chl in a spiderweb-like pattern throughout the uphole portion of the vein. Trace to 1% py.								
		39.0 -30-40% banded diss. py over 10cm, with a wedge of fine qtz-calc present on one side of the core. Probably developed along a sheared flow contact. Orientation is ~40 deg to CA.								
		40.54 to 52.67 Medium to coarse grained section with 10-12% med. grained diss. mag. Foliation is variable from 40-45 deg								

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		to as high as 60 deg to the CA. Fe-carb and/or epidote are present in places giving the rock a yellow-green tint.								
		Including:								
		48.05 to 48.95 ASH TUFF + QTZ-EYE DACITE (Ash Tuff + QID)								
		Three distinct beds of broadly dacitic material. The uppermost is a med. grey fine ash with 1-2% <2mm qtz-eyes, about 30cm thick; the middle subunit is a 10-15cm thick QID with 3-4% small qtz-eyes and a 5cm thick fol. parallel calcite veinlet; the lowermost subunit is a weakly graded QID.								
		The section as a whole contains 2-3% diss. py and is moderately sericitized.								
		Upper contact is weakly brecciated, and folded? from shearing, now appears to crosscut foliation. Lower contact is mod. sheared, and oriented 40 deg to the CA, at a slightly lower angle to the CA than foliation.								
		At 50.6m a cm-wide nonplanar qtz-tour-py stringer fills a dilation zone cutting the CA at ~20 deg.								
		52.67 -Lower contact of the coarse tuff section is at 55 deg to CA.								
		53.66 -A qtz-calc veinlet 5-15cm wide, with undulatory, non-parallel contacts at 35 and 55 deg to the CA contains about 20% diss. med grained py.								
		54.95 to 56.34 K-spar bearing altered intermediate intrusive? Pale green fine grained, containing 5-15% <2mm k-spar								

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		crystals, along with up to 20-30% fine acicular green-black amphibole. Not terribly dissimilar from the surrounding tuffs in appearance due to similar chl-calc alt. Contacts are foliation parallel at 60 deg to the CA, and the unit is presumed to be a sill due to its unusual mineralogy.								
		Mafic tuff immediately below the contact is bleached and weakly K-spar altered for about 20cm.								
		60.25 to 71.50 3-5% py overall, disseminated as well as mm-wide bands along fractures and cm-wide seams associated with 1-10cm wide qtz veinlets. Both fracturing and veining are almost exclusively parallel to foliation at 50-55 deg to CA. A 10-12cm wide vein at 69.05m with 3 fol. parallel py bands is crosscut by cm wide tension gashes filled by fine tour.								
		Lower contact of main mafic tuff unit is oriented at 45 deg to the CA, and marked by the transition to a less foliated rock with frequent amygdaloidal intervals.								
73.22	94.9	AMYGDALOIDAL MAFIC FLOWS (Maf Flows amyg)	77.80	79.05	1.25	215	125	1450	1.4	NIL
		A sequence of interbedded massive and amygdaloidal to	80.20	80.80	0.60	70	96	127	NIL	NIL
		porphyritic flows, ranging in thickness from 15 to about 50cm.	85.37	86.52	1.15	145	116	161	0.6	NIL
		Medium to dark green, fine grained, and composed principally	90.83	91.44	0.61	430	160	440	1.2	6
		of chlorite and calcite, possibly with minor amphibole and qtz.	91.44	92.15	0.71	75	52	161	0.6	4
		Amygdules are 1-2 mm in diameter and calcite filled. Spotted	92.15	93.20	1.05	25	76	182	0.4	NIL
		with 2-4% fine magnetite in most places. 1-2% fine py.								

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Foliation and the contacts of the amygdaloidal sections vary from 40-50 deg to the CA. Fractures, and cm-wide zones of weak shearing and veining, at angles from 5-20 deg to the CA are common from 79.0-84.75m								
		90.98 to 92.05 Strongly bleached and calcite altered, with several cm-wide fol. parallel stringers and a 15-20cm wide qtz vein at the end of the interval. 3-4% diss. py. Foliation is 35 deg at the top and 45 deg to the CA at the bottom of the interval.								
		The lowermost 30cm of the main unit is similarly bleached and mineralized, but without the stringers.								
94.9	101.5	QTZ-EYE DACITE + ASH TUFF (QID + Ash Tuff bdd,gdd)	94.48	95.05	0.57	330	62	73	0.8	3
		Pale grey, fine to med. grained, somewhat graded.	98.52	99.48	0.96	30	68	49	0.4	NIL
		Moderately ser and calc altered, with 1-3% fine diss. py. Well foliated at 45-55 deg to the CA.								
		Fine ash with 1-2% 1mm qtz eyes above 98.78m, with the contact at 45-50 deg to the CA. Well bedded QID from 98.78 to 99.8m with 3-4% qtz eyes to 2mm, grading into med. to coarse grained QID below 100.5m. Lower contact is ~40 deg to the CA.								
101.5	105.6	INTERMED TO FELSIC ASH + CRYSTAL TUFF (Int-Fels Xtal Tuff)	102.35	103.70	1.35	60	23	50	NIL	NIL
		Medium to dark grey, fine grained. Weakly to mod. calc and								

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		ser altered, with 3-4% fine diss. py. Two distinct subunits, both weakly foliated and possibly conformable porphyry intrusives. Above 103.6 the rock is very fine grained with trace qtz-eyes and 2-10% mm-size fsp phenocrysts. The contact is at 40 deg to the CA. Lower unit is a fine grained fsp rich tuff with tr qtz-eyes. Lower contact of the unit is fol. parallel at 55-57 deg to the CA.								
105.6	107.91	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff fg) Similar to the interval from 94.9-98.78m. Qtz-eyes are rarely to 2-3mm and up to 5-10% barely discernible fsp phenocrysts are common. Lower contact is brecciated over a few cm with qtz-calc fillings and parallels fol at 45 deg to the CA.								
107.91	110.12	MAFIC TO INTERMED ASH TUFF (Maf Ash Tuff wk bdd) Medium grey-green, very fine grained, with faint bedding evident in places. Strongly calcite altered. 3-5% diss. py, mostly from fol. parallel mm-wide seams. Foliation is variable from 40-50 deg to the CA. Lower contact is 45 deg to the CA.	107.88	109.15	1.27	120	116	235	1.0	NIL
110.12	112.1	DACITIC ASH + CRYSTAL TUFF (Ash + Xtal Tuff) Similar to previous fine dacitic tuffs. Possibly a flow breccia for much of the interval. Bedded ash predominates above 110.75m and coarser tuff below 111.8m.	110.02	111.00	0.98	80	78	147	0.8	NIL
			111.00	111.48	0.48	60	20	113	NIL	NIL
			111.48	111.80	0.32	150	225	13900	1.0	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		111.70 to 111.75 10% sph over 5cm as discontinuous seams to 1cm wide within fol. parallel qtz-calc stringers.								
112.1	131.3	MAFIC-INTERMED TUFFS + FLOWS (Maf-Int Tuffs/Flows gdd)	111.80	112.45	0.65	175	440	1150	2.0	NIL
		Pale green to greyish green, and fine to very fine grained.	113.22	113.92	0.70	85	167	280	0.8	NIL
		Apparently tuff and tuff-breccia at the top of the sequence,	113.92	114.55	0.63	20	87	215	NIL	NIL
		grading into massive flows and flow breccias with rare	116.75	117.80	1.05	45	80	280	NIL	NIL
		amygdules to 3-4mm.	117.80	118.76	0.96	25	82	235	NIL	NIL
		Weakly chloritized, with the tuffaceous and brecciated sections	126.01	126.75	0.74	70	175	900	NIL	NIL
		strongly calcite altered. Tr-1% fine py, locally to 4-5% over	126.75	127.85	1.10	35	80	166	NIL	NIL
		50cm intervals where brecciation and calcite fillings occur.	127.85	129.10	1.25	35	93	144	NIL	NIL
		Both contacts are fractured and cut by stringers. Foliation	129.10	130.05	0.95	55	99	150	NIL	NIL
		40-55 deg to the CA.	130.05	131.06	1.01	25	95	205	NIL	NIL
131.3	137.53	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	131.06	131.50	0.44	60	63	560	NIL	NIL
		Similar to the interval from 94.9-101.5m.		132.02	132.46	0.44	580	75	260	1.4 4
		Primarily fine ash with 1-2% small qtz-eyes above 134.6m,	132.46	133.66	1.20	35	10	130	NIL	2
		and QID with up to 7-8% 1-2mm qtz eyes below 134.6m.	136.48	137.36	0.88	15	92	180	NIL	NIL
		Lower contact fol. parallel at ~45 deg to the CA.								
137.53	186.0	MAFIC TO INTERMED FLOWS (Maf-Int Flows)	137.36	138.65	1.29	50	93	210	NIL	NIL
		Similar to the interval from 112.1-131.3m. Medium green to	138.90	140.20	1.30	450	84	162	NIL	NIL
		grey-green, fine grained. Composed principally of massive to	141.56	142.00	0.44	175	250	90	2.0	NIL
		weakly amygdaloidal flows, with well preserved 1-10cm scale	143.10	143.59	0.49	700	152	5100	5.4	3

FROM	TO	LITHOLOGICAL DESCRIPTION
		bedding below about 157.5m likely tuffaceous.
	144.47	
		141.75 to 145.50 Qtz stringers to 1cm wide are fairly common and 3-5% py on average is present, diss. to weakly banded.
		161.25 to 167.5 Approx. 10% qtz veins as 0.5-1cm wide fol. parallel fracture fillings and as 1-10 cm wide veinlets also parallel to foliation.
		169.3 to 169.9 5-10% fine to coarse diss. py occurs in bedded ash tuff, folded due to shearing, and cut by irregular calcite stringers. A similar section from 179.2-179.65m contains 2-3% py, and two 5-7cm wide calcite veins.
		Foliation through the section varies from 60 deg to the CA at 160m, to 45 deg to the CA at 165m, to 30-35 deg to the CA from 168m to the end of hole.

		ASSAYS						
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
143.59	144.47	0.88	350	81	270	2.0	5
144.47	145.55	1.08	305	104	310	1.8	4
150.70	151.93	1.23	30	74	131	NIL	NIL
151.93	153.21	1.28	10	103	119	NIL	NIL
159.28	160.30	1.02	5	91	138	NIL	NIL
160.30	161.29	0.99	NIL	119	124	NIL	NIL
161.29	161.96	0.67	15	55	156	NIL	NIL
161.96	162.71	0.75	15	49	129	NIL	2
162.71	163.98	1.27	NIL	84	111	NIL	NIL
163.98	164.66	0.68	80	98	148	NIL	2
164.66	165.12	0.46	55	93	180	0.6	NIL
165.12	165.61	0.49	20	56	235	NIL	3
165.61	166.53	0.92	355	134	195	0.8	3
166.53	167.61	1.08	35	149	230	0.6	4
167.61	168.69	1.08	120	105	270	0.8	4
169.28	170.00	0.72	980	88	131	2.2	11
179.03	179.83	0.80	165	83	119	0.4	3

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
9.14	-49.00	85.00
88.39	-46.00	85.00
176.78	-43.00	84.50

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9656

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

DEPTH	INCLINATION	BEARING
179.83	-43.00	84.50
186.00	-43.00	84.50

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9657
Collar Eastings: -300.00
Collar Northings: -575.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 270.00
Final Depth: 40.00 metres
Abandoned in OVB.

Logged by: P.L. Jones
Date:
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH
0.0	39.63	OVERBURDEN (Ovb)	0.00	0.00	0.00

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
40.00	-50.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9658
Collar Eastings: -300.00
Collar Northings: -575.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -50.00
Grid Bearing: 270.00
Final Depth: 40.00 metres
Abandoned in OVB.

Logged by: P.L. Jones
Date:
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH
0.0	44.19	OVERBURDEN (Ovb) Box 1 contains approx. 2.25m of mixed boulder fragments, including granodiorite, qtz diorite, fine grained gabbro, dacite tuffs--locally derived in part, and in places saprolitic; and minor mafic metavolcanics and vein qtz.	0.00	0.00	0.00

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
40.00	-50.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9659
Collar Eastings: -300.00
Collar Northings: -575.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -52.50
Grid Bearing: 270.00
Final Depth: 40.00 metres
Abandoned in OVB.

Logged by: P.L. Jones
Date:
Down-hole Survey: Acid Test

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH
0.0	46.32	OVERBURDEN (Ovb)	0.00	0.00	0.00

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
40.00	-50.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9660
Collar Eastings: -300.00
Collar Northings: -575.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -52.50
Grid Bearing: 270.00
Final Depth: 40.00 metres
Abandonned in overburden

Logged by: P.L.J.
Date: 24/09/96-29/09/96
Down-hole Survey: Sperry Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	ASSAYS TO	ASSAYS WIDTH
0.0	39.62	OVERBURDEN (Ovb)	0.00	0.00	0.00

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
40.00	-50.00	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RAINY RIVER
HOLE No.: NR9661
Collar Eastings: -300.00
Collar Northings: -600.00
Collar Elevation: 0.00
Grid: Richardson Twp.

Collar Inclination: -58.00
Grid Bearing: 280.00
Final Depth: 328.60 metres

Logged by: C.A.WAGG
Date: 25/10/96-04/11/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION
0.0	25.0	OVERBURDEN (Ovb)
25.0	119.79	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Pale grey, fine grained. Moderately well banded, presumably due to shearing along bedding planes. Typically contains 3-5% 1-3mm qtz eyes with traces of tiny calcite altered fsp crystals. Strongly sericitized with weak calcite alteration. 3-4% very fine diss. py is present throughout. A few foliation parallel to crosscutting 1-3cm wide qtz and qtz-calc stringers occur in places, with one at 29.71m exhibiting mm-wide chloritic laminae and minor banded py, suggestive of crack and seal behaviour. Foliation and banding/bedding is at 25-30 deg to the CA at the top of the hole, increasing to 40-45 deg to the CA below 39.3m. 30.8 to 31.16 Discrete flow distinguishable from the country rock due to lighter colour. Qtz-eyes exhibit weak grading--more common downhole. Top contact is slightly oblique to the foliation at about 42 deg to the CA. Lower contact is 25 deg to CA, parallel to foliation. 42.65 to 42.90 Intensely bleached interval. Apparently close to rhyolitic in composition. Very hard, but without noticeable silicification or carbonate alteration. Contacts are broken,

			ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
25.25	26.21	0.96	50.000	24.000	81.000	NIL	16.000	NIL	NIL	NIL	NIL
26.21	27.65	1.44	35.000	10.000	75.000	NIL	20.000	NIL	NIL	NIL	NIL
27.65	29.05	1.40	25.000	10.000	71.000	0.200	18.000	NIL	NIL	NIL	NIL
29.05	30.45	1.40	110.000	13.000	83.000	0.200	20.000	NIL	NIL	NIL	NIL
30.45	32.05	1.60	70.000	15.000	55.000	NIL	15.000	NIL	NIL	NIL	NIL
32.05	33.47	1.42	55.000	16.000	65.000	NIL	19.000	NIL	NIL	NIL	NIL
33.47	35.10	1.63	205.000	17.000	54.000	NIL	14.000	NIL	NIL	NIL	NIL
35.10	36.50	1.40	45.000	10.000	70.000	NIL	17.000	NIL	NIL	NIL	NIL
36.50	37.93	1.43	45.000	10.000	62.000	NIL	18.000	NIL	NIL	NIL	NIL
37.93	39.42	1.49	35.000	11.000	70.000	NIL	24.000	NIL	NIL	NIL	NIL
39.42	40.89	1.47	100.000	15.000	153.000	NIL	55.000	NIL	NIL	NIL	NIL
40.89	42.25	1.36	115.000	17.000	80.000	0.400	38.000	NIL	NIL	NIL	NIL
42.25	43.25	1.00	205.000	39.000	630.000	7.000	300.000	NIL	NIL	NIL	NIL
43.25	44.13	0.88	250.000	32.000	180.000	6.000	123.000	NIL	NIL	NIL	NIL
44.13	45.36	1.23	190.000	14.000	92.000	2.400	33.000	NIL	NIL	NIL	NIL
45.36	47.02	1.66	170.000	18.000	110.000	5.400	52.000	NIL	NIL	NIL	NIL
47.02	48.27	1.25	105.000	17.000	68.000	5.800	30.000	NIL	NIL	NIL	NIL
48.27	49.72	1.45	55.000	15.000	62.000	2.400	17.000	NIL	NIL	NIL	NIL
49.72	51.10	1.38	40.000	20.000	74.000	3.000	30.000	NIL	NIL	NIL	NIL
51.10	52.55	1.45	55.000	20.000	55.000	2.000	16.000	NIL	NIL	NIL	NIL
52.55	53.80	1.25	120.000	19.000	74.000	7.400	44.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		but appear to parallel foliation.
		43.6 to 44.15 Similar to the interval from 42.65-42.9m, but considerably softer. Moderately ser and calc altered, with minor gouge-like material along a few fol. parallel slips measuring <1cm wide.
		49.5 to 67.0 This section contains about 1% on average of a bright reddish coating along fractures. It resembles a stain affecting sericite, and occurs with minor calcite and in places with a little py. It is quite soft, and its streak appears to be a similar colour to the mineral itself. It is most unlikely to be hematite, and may be cinnibar. Analyses for this interval include Hg. Fractures are oriented primarily parallel to fol., but oblique and crosscutting ones do occur at angles up to 60 deg to the CA.
		61.75 to 110.47 Much less banded than the preceding portion of the unit. Colour, qtz-eye content, and the intensity of alteration are essenially uniform.
		Moderately to strongly ser and calc altered, with 2-4% fine diss. py.
		Composed primarily of thick more homogeneous flows than is the interval above 61.75m. Foliation is typically between 40 and 50 deg to the CA, reaching 60-65 deg to the CA at about 93.0m.
		Including:
		77.7 - 5 to 7cm thick bed of Ash Tuff at 35-40 deg to the CA.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
53.80	55.20	1.40	135.000	18.000	69.000	4.200	31.000	NIL	NIL	NIL	NIL
55.20	56.77	1.57	75.000	16.000	105.000	3.600	27.000	NIL	NIL	NIL	NIL
56.77	57.87	1.10	160.000	17.000	63.000	5.200	20.000	NIL	NIL	NIL	NIL
57.87	58.87	1.00	85.000	13.000	38.000	4.000	22.000	NIL	NIL	NIL	NIL
58.87	60.20	1.33	165.000	21.000	60.000	7.600	22.000	NIL	NIL	NIL	NIL
60.20	61.60	1.40	275.000	31.000	122.000	15.000	34.000	NIL	NIL	NIL	NIL
61.60	63.04	1.44	460.000	29.000	650.000	11.000	102.000	NIL	NIL	NIL	NIL
63.04	64.51	1.47	100.000	19.000	194.000	4.000	49.000	NIL	NIL	NIL	NIL
64.51	65.83	1.32	200.000	18.000	70.000	4.600	40.000	NIL	NIL	NIL	NIL
65.83	66.73	0.90	145.000	9.000	60.000	2.600	33.000	NIL	NIL	NIL	NIL
66.73	68.18	1.45	525.000	53.000	830.000	9.800	360.000	NIL	NIL	NIL	NIL
68.18	69.70	1.52	220.000	17.000	48.000	3.000	49.000	NIL	NIL	NIL	NIL
69.70	71.15	1.45	125.000	8.000	78.000	1.400	44.000	NIL	NIL	NIL	NIL
71.15	72.61	1.46	195.000	13.000	88.000	1.600	34.000	NIL	NIL	NIL	NIL
72.61	74.00	1.39	215.000	19.000	220.000	1.800	46.000	NIL	NIL	NIL	NIL
74.00	74.91	0.91	355.000	26.000	2000.000	4.000	235.000	NIL	NIL	NIL	NIL
74.91	76.43	1.52	160.000	7.000	108.000	1.200	72.000	NIL	NIL	NIL	NIL
76.43	78.02	1.59	470.000	52.000	1150.000	8.600	710.000	NIL	NIL	NIL	NIL
78.02	79.37	1.35	770.000	101.000	2600.000	16.000	1250.000	NIL	NIL	NIL	NIL
79.37	80.23	0.86	325.000	45.000	950.000	11.400	620.000	NIL	NIL	NIL	NIL
80.23	80.47	0.24	18440.000	1500.000	11900.000	437.000	5100.000	NIL	NIL	NIL	NIL
80.47	81.07	0.60	710.000	23.000	1800.000	7.200	430.000	NIL	NIL	NIL	NIL
81.07	82.42	1.35	460.000	68.000	2600.000	20.000	730.000	NIL	NIL	NIL	NIL
82.42	83.02	0.60	295.000	20.000	2500.000	12.000	810.000	NIL	NIL	NIL	NIL
83.02	83.24	0.22	725.000	11.000	4600.000	12.800	1200.000	NIL	NIL	NIL	NIL
83.24	83.83	0.59	495.000	9.000	210.000	9.200	52.000	NIL	NIL	NIL	NIL
83.83	84.33	0.50	520.000	14.000	225.000	12.000	71.000	NIL	NIL	NIL	NIL
84.33	85.63	1.30	400.000	23.000	450.000	13.600	66.000	NIL	NIL	NIL	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RAINY RIVER
HOLE No.: NR9661

FROM	TO	LITHOLOGICAL DESCRIPTION
		79.88 to 80.07 Fsp rich section with 20% calcite altered fsp crystals up to 3-4mm in size and occasionally euhedral. Contacts parallel fol. at ~45 deg to the CA.
		80.23 to 80.5 Irregular walled qtz vein/lens varying from 1-4cm wide, and from crosscutting to oblique to foliation; slightly folded and oriented from 10 deg to CA at both "ends", to 40-45 deg to the CA at its midpoint. The section contains about 5-7% py, 2-3% sph, and <1% gal and cpy, with the base metals restricted to the vein. A similar smaller, and less well mineralized vein occurs over a core length of 15cm at 87.5m containing 1-2 % sph and tr gal.
		80.5 89.9 This interval contains occasional 1-2mm to 3-5cm wide bands of diss. py, almost exclusively paralleling fol. The section might contain 7-8% py and tr sph on average, with the highest sulphide content reaching 15-18% from 87.95-88.8m. Pyrite appears to have been introduced, or at least remobilized and reconcentrated, along planes of shearing during deformation.
105.46	107.02	Includes a flow with 5-10% 2-3mm fsp phenocrysts and contacts parallel to fol. from 85.5-85.9m. Foliation is commonly 50-60 deg to the CA below 95.0m.
		100.62 to 101.40 85-90% qtz veining, with minor calcite and tr py. Essentially a single vein with a 5-10cm core length inclusion of wallrock. Top contact is irregular but generally

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
85.63	86.58	0.95	180.000	10.000	43.000	7.800	29.000	NIL	NIL	NIL	NIL
86.58	87.00	0.42	695.000	58.000	560.000	48.000	470.000	NIL	NIL	NIL	NIL
87.00	87.55	0.55	230.000	20.000	1050.000	12.400	35.000	NIL	NIL	NIL	NIL
87.55	88.13	0.58	135.000	6.000	160.000	5.200	20.000	NIL	NIL	NIL	NIL
88.13	88.73	0.60	375.000	20.000	136.000	23.000	63.000	NIL	NIL	NIL	NIL
88.73	89.45	0.72	95.000	6.000	132.000	9.200	27.000	NIL	NIL	NIL	NIL
89.45	90.22	0.77	110.000	10.000	107.000	11.000	39.000	NIL	NIL	NIL	NIL
90.22	91.75	1.53	200.000	33.000	330.000	39.000	107.000	NIL	NIL	NIL	NIL
91.75	93.26	1.51	360.000	24.000	102.000	55.000	114.000	NIL	NIL	NIL	NIL
93.26	94.03	0.77	130.000	11.000	44.000	25.000	39.000	NIL	NIL	NIL	NIL
94.03	95.06	1.03	80.000	11.000	102.000	28.000	38.000	NIL	NIL	NIL	NIL
95.06	95.26	0.20	320.000	63.000	149.000	142.000	108.000	NIL	NIL	NIL	NIL
95.26	96.32	1.06	55.000	11.000	54.000	17.400	72.000	NIL	NIL	NIL	NIL
96.32	96.81	0.49	90.000	13.000	46.000	35.000	97.000	NIL	NIL	NIL	NIL
96.81	97.91	1.10	80.000	10.000	66.000	29.000	103.000	NIL	NIL	NIL	NIL
97.91	99.36	1.45	450.000	9.000	215.000	44.000	89.000	NIL	NIL	NIL	NIL
99.36	100.50	1.14	935.000	12.000	230.000	35.000	58.000	NIL	NIL	NIL	NIL
100.50	101.40	0.90	140.000	9.000	86.000	10.000	13.000	NIL	NIL	NIL	NIL
101.40	102.41	1.01	195.000	11.000	189.000	8.800	22.000	NIL	NIL	NIL	NIL
104.40	105.46	1.06	5520.000	51.000	3500.000	326.000	1350.000	NIL	NIL	NIL	NIL
105.46	107.02	1.56	910.000	8.000	220.000	28.000	183.000	NIL	NIL	NIL	NIL
107.02	108.51	1.49	835.000	9.000	450.000	29.000	140.000	NIL	NIL	NIL	NIL
108.51	109.34	0.83	2000.000	40.000	3700.000	120.000	510.000	NIL	NIL	NIL	NIL
109.34	110.84	1.50	440.000	19.000	156.000	15.000	28.000	NIL	NIL	NIL	NIL
110.84	112.20	1.36	250.000	8.000	490.000	5.600	91.000	NIL	NIL	NIL	NIL
112.20	112.85	0.65	275.000	25.000	176.000	2.400	41.000	NIL	NIL	NIL	NIL
114.60	116.11	1.51	210.000	25.000	146.000	4.000	110.000	NIL	NIL	NIL	NIL
116.11	117.65	1.54	70.000	50.000	38.000	2.400	39.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		parallels foliation. Lower contact is slightly oblique at 55 deg to the CA. Foliation is at 50 deg to CA.
		110.62 to 119.79 Reasonably well bedded/banded, similar to the interval from 25.0-61.75m. Includes a section of Ash Tuff with tr-1% <2mm qtz-eyes from 111.25-111.55m, and thin beds of Ash Tuff from 118.65-118.77m, and from 119.10-119.42m. The Ash Tuffs have fol. parallel contacts at 45 deg to the CA. The interval also includes a 2-3cm wide crosscutting dyke of diabase at 119.1m, at 60-65 deg to the CA.
119.79	121.20	DIABASE DYKE (DIAB) Dark grey-green, fine to medium grained. Conatins subequal amounts of pyroxene and plagioclase as subophitic intergrowths, with traces of magnetite diss. throughout, and with minor ep and calc along fractures. Very weakly to mod. magnetic, and strongly chilled at its margins over a few cm. Upper contact is at 50-55 deg to the CA, nearly perpendicular to foliation which is at 40-45 deg to CA. Lower contact is at 57-58 deg to the CA, approx. parallel to the top contact.
121.2	122.48	ALTERED QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff alt'd) Similar to the dacite preceding the dyke, but significantly hybridized due to narrow injections of diabasic material-- and/or metasomatic alteration, resulting in mm to cm wide fol. parallel bands of grey-green material interspersed throughout

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
117.65	119.10	1.45	155.000	7.000	35.000	1.200	9.000	NIL	NIL	NIL	NIL
119.10	119.78	0.68	505.000	11.000	22.000	2.400	10.000	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
		the interval. Possibly a large xenolith, since the adjacent diabase exhibits only weak chilling. Contains 2-3% fine diss. py, and hosts a 2cm wide qtz vein at about 15 deg to the CA just below the top contact.												
122.48	125.40	DIABASE DYKE (DIAB) Similar to the interval from 119.79-121.2m. Both contacts are 50 deg to the CA; a similar core angle to that of the foliation, but misaligned as if one had been rotated 90 deg about the CA.	121.21	122.53	1.32	115.000	33.000	40.000	1.800	17.000	NIL	NIL	NIL	NIL
125.4	127.09	ALTERED QTZ-EYE DACITE ? (QID alt'd?) Apparently a QID with strong pervasive k-spar alteration, and weak patchy chl alteration. Pale brownish grey to pinkish orange in colour. Very fine grained throughout, with 1-3% fine diss. py, and tr cp along an ep-calc filled fracture. Includes about 10% chilled diabasic material, obviously injected in this case. Foliation is overprinted by alteration.												
127.09	153.45	DIABASE DYKE (DIAB) Similar to the two previous intervals of Diabase, but much thicker. Top contact is at 45 deg to the CA. Moderately well fractured at angles from 15-70 deg to the CA from 145.8-153m, , apparently shattered over the interval of broken core from 151 to about 152.2 with some 2-3mm thick	125.41	127.10	1.69	65.000	46.000	35.000	0.600	15.000	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
		fillings of pale green talc (+/- serp?), and rarely tr py.												
153.45	154.07	ALTERED QTZ-EYE DACITE ? (QID alt'd) Very similar to the interval from 125.4-127.09m, but brecciated to a significant degree, and with moderate pervasive sil as well as chl-py along fracutres. 1-2% py on average. Also contins a few small and irregular shaped blocks of chilled diabase--presubably broken offshoots from the main dyke. Upper contact is 45 deg to the CA, parallel to the foliation fabric. May contain small lapilli at lower contact with diabase which is at ~40 deg to CA, perpendicular to fol.												
154.07	155.3	DIABASE DYKE (DIAB) Similar to the previous intervals of this unit. Lower contact is at 25 deg to the CA, subparallel to the foliation in the inclusion? following unit.	153.40	154.12	0.72	50.000	23.000	57.000	NIL	5.000	NIL	NIL	NIL	NIL
155.3	155.94	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Xenolith? of typical QID, with 5-7% fine diss. py and tr sph. Well foliated at 45 deg to the CA. Lower contact is somewhat undulatory, averaging 15 deg to the CA												
155.94	157.84	DIABASE DYKE (DIAB) Moderately well fractured with about 3 per 30cm at 50-60 deg to the CA. Lower contact is 50-52 deg to the CA.	155.25	156.00	0.75	75.000	62.000	970.000	0.600	85.000	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
157.84	206.67	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	157.81	158.43	0.62	115.000	30.000	4300.000	1.400	28.000	NIL	NIL	NIL	NIL
		Similar to the interval preceding the Diabase dyke(s).	158.43	159.37	0.94	85.000	28.000	1050.000	0.600	119.000	NIL	NIL	NIL	NIL
		Moderately to strongly sericitized, with about 3-5% py and tr	159.37	160.32	0.95	110.000	12.000	950.000	0.400	87.000	NIL	NIL	NIL	NIL
		sph, 2-3% gnt occasionally to 3mm. Qtz stringers <1mm and rare	160.32	161.12	0.80	65.000	30.000	1150.000	0.400	87.000	NIL	NIL	NIL	NIL
		mm-wide fracture fillings of py +/- sph are oriented primarily	161.12	161.79	0.67	90.000	26.000	4100.000	0.800	35.000	NIL	NIL	NIL	NIL
		parallel to subparallel to foliation. Foliaton varies from 35	161.79	162.99	1.20	45.000	33.000	128.000	0.400	14.000	NIL	NIL	NIL	NIL
		deg to CA just below the Diabase, to 45 deg by 157m, to 50-55	162.99	164.15	1.16	75.000	21.000	310.000	3.800	80.000	NIL	NIL	NIL	NIL
		deg to the CA by 160m.	164.15	165.21	1.06	150.000	34.000	135.000	4.200	71.000	NIL	NIL	NIL	NIL
			165.21	166.42	1.21	190.000	26.000	111.000	3.000	71.000	NIL	NIL	NIL	NIL
		164.74 to 165.08 ASH TUFF (Ash Tuff)	166.42	166.96	0.54	110.000	12.000	195.000	1.400	85.000	NIL	NIL	NIL	NIL
		Conformable interval of very fine grained dacite lacking any	166.96	167.90	0.94	140.000	34.000	168.000	2.800	94.000	NIL	NIL	NIL	NIL
		qtz-eyes whatsoever. Strongly sericitized, with 3-4% very	167.90	168.47	0.57	590.000	55.000	340.000	5.400	112.000	NIL	NIL	NIL	NIL
		fine diss. py. Foliation and contacts are at ~45 deg to the CA.	168.47	169.47	1.00	365.000	30.000	2300.000	2.000	12.000	NIL	NIL	NIL	NIL
		1-5cm thick beds of this unit occur nearby within QID, both	169.47	170.47	1.00	490.000	81.000	4000.000	1.600	14.000	NIL	NIL	NIL	NIL
		above and below the main unit.	170.47	171.32	0.85	245.000	36.000	2000.000	2.000	29.000	NIL	NIL	NIL	NIL
			171.32	172.12	0.80	3360.000	77.000	9700.000	4.400	54.000	NIL	NIL	NIL	NIL
		166.42 to 165.08 Coarse grained interval with 7-8% 2-3mm qtz-	172.12	173.56	1.44	1400.000	11.000	200.000	1.400	40.000	NIL	NIL	NIL	NIL
		eyes, weakly graded. Upper contact is coincident with an	173.56	174.81	1.25	480.000	31.000	2100.000	0.800	28.000	NIL	NIL	NIL	NIL
		irregular walled qtz vein occurring along one side of the core	174.81	176.20	1.39	145.000	24.000	1850.000	0.600	15.000	NIL	NIL	NIL	NIL
		over 50cm--suggestive of significant offset. Lower contact is	176.20	177.65	1.45	425.000	46.000	2200.000	0.800	34.000	NIL	NIL	NIL	NIL
		about 45 deg to the CA.	177.65	178.61	0.96	270.000	34.000	560.000	0.400	8.000	NIL	NIL	NIL	NIL
			178.61	179.71	1.10	660.000	16.000	108.000	0.400	4.000	NIL	NIL	NIL	NIL
		167.85 to 179.12 Well bedded, strongly altered, and mod well	179.71	180.51	0.80	685.000	13.000	225.000	0.400	5.000	NIL	NIL	NIL	NIL
		mineralized section of QID. Typically with 3-4%, 1-3mm qtz-	180.51	181.66	1.15	640.000	13.000	270.000	0.400	7.000	NIL	NIL	NIL	NIL
		eyes, strongly sericitized. Banded due to variations in degree	181.66	182.43	0.77	450.000	14.000	153.000	0.400	8.000	NIL	NIL	NIL	NIL
		of bleaching and narrow fol. parallel zones of silicification,	182.43	182.73	0.30	600.000	105.000	36000.000	2.200	21.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		usually accompanied by minor py and calc +/- gar and chl. 5-7% fine diss. py on average, with tr-1% sph. Sph occurs as fol. parallel to sub-parallel 2-3mm py-sph fillings, and as smaller lenses below 169.8m. Sph is restricted to the section above 177m, with the best part averaging 2-3% sph over 0.75m at 171.75m
		Less banded (pervasive mod bleaching) below 174.5m, and finer grained, with weak pervasive silicification below 177.35m.
		179.12 to 190.25 Unbanded, evenly coloured interval of fine QID/Ash Tuff, with 2-3% <2mm qtz-eyes. Resembles the lowermost portion of the preceding subinterval. Weakly bleached, moderately sericitized and silicified, with 4-5% very fine diss. py on average, up to 7-8% locally with tr sph over 0.5m intervals.
		A single sph filled fracture, measuring up to 2cm thick, and cutting the CA at 15-20 deg at 186.6m, is very contorted, and accompanied by only minor py and calc. A few fol. parallel 1-2 cm wide py seams occur in places, usually 1-2cm wide and with diffuse boundaries suggestive of replacement. Narrow fracture fillings with py +/- minor sph are otherwise relatively rare, but where observed often occur as interconnected hairline fillings along and at high angles to the foliation.
		190.25 to 198.35 ALTERED QID/ASH TUFF (QID/Ash Tuff alt'd) Similar to the preceding subunit, but with mod (to strong)

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
182.73	183.95	1.22	430.000	20.000	250.000	0.600	5.000	NIL	NIL	NIL	NIL
183.95	185.15	1.20	260.000	75.000	2100.000	0.600	9.000	NIL	NIL	NIL	NIL
185.15	186.45	1.30	1310.000	37.000	830.000	0.800	8.000	NIL	NIL	NIL	NIL
186.45	187.75	1.30	1630.000	31.000	2900.000	1.000	22.000	NIL	NIL	NIL	NIL
187.75	189.00	1.25	1460.000	53.000	4600.000	2.000	235.000	NIL	NIL	NIL	NIL
189.00	190.13	1.13	2020.000	54.000	360.000	1.600	46.000	NIL	NIL	NIL	NIL
190.13	190.80	0.67	320.000	22.000	136.000	0.600	10.000	NIL	NIL	NIL	NIL
190.80	191.90	1.10	40.000	14.000	150.000	0.600	32.000	NIL	NIL	NIL	NIL
191.90	192.92	1.02	95.000	24.000	72.000	0.600	23.000	NIL	NIL	NIL	NIL
192.92	193.88	0.96	60.000	18.000	82.000	NIL	23.000	NIL	NIL	NIL	NIL
193.88	195.01	1.13	205.000	24.000	117.000	NIL	28.000	NIL	NIL	NIL	NIL
195.01	196.21	1.20	70.000	15.000	105.000	NIL	21.000	NIL	NIL	NIL	NIL
196.21	196.97	0.76	45.000	10.000	104.000	NIL	16.000	NIL	NIL	NIL	NIL
196.97	197.56	0.59	90.000	8.000	70.000	NIL	15.000	NIL	NIL	NIL	NIL
197.56	198.53	0.97	60.000	13.000	76.000	NIL	20.000	NIL	NIL	NIL	NIL
198.53	199.49	0.96	135.000	17.000	240.000	0.400	50.000	NIL	NIL	NIL	NIL
199.49	200.50	1.01	80.000	6.000	880.000	0.600	250.000	NIL	NIL	NIL	NIL
200.50	201.50	1.00	160.000	9.000	1800.000	1.600	320.000	NIL	NIL	NIL	NIL
201.50	202.90	1.40	115.000	16.000	5300.000	1.400	60.000	NIL	NIL	NIL	NIL
202.90	204.30	1.40	225.000	14.000	2500.000	1.400	91.000	NIL	NIL	NIL	NIL
204.30	205.78	1.48	165.000	41.000	5000.000	2.000	59.000	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
		pervasive silicification, accompanied by common (5-7%?) very fine diss. chl and about 5% 1-2mm garnets. 2-3% very fine diss. py. foliation is variable from 45-55 deg to the CA.												
		Includes a narrow zone of strong brecciation, with qtz, calc, and sauss cement, cutting the CA at ~15deg, nearly perpendicular to fol., at 197.2m.												
		198.35 to 206.67 Similar to the subinterval from 167.85-179.12m, but less well mineralized. Top 0.75m is evenly coloured and poss. weakly sil similar to the section from 177.35-179.12m. Well banded, due to variations in bleaching and the presence of cm-wide sil zones. 2-3% fine diss. py on average. Tr sph is present throughout, with up to 1% sph, 1% fine pale pink gar, and 5% py below 204.4m. Sph is diss. and along subconcordant fractures, associated with streaky silicification.												
		Includes minor fault gouge and abundant calcite along several narrow, strongly fractured 5-15cm wide zones, from 200.2-205.5m Some if not most zones are oriented parallel to fol.												
205.67	207.15	ALTERED MAFIC DYKES (Maf Dykes? alt'd) Two narrow intervals, both medium green, fine grained, and mod well foliated. Probably a single, irregularly shaped dyke cutting the CA twice. Both dyke(s) and the intervening dacite are strongly fractured to brecciated. Strongly altered to chl, calc, +/- minor biotite and contains	205.78	206.95	1.17	90.000	13.000	245.000	0.800	19.000	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
		tr-1% very fine py.												
		Foliated at ~50 deg to the CA at the top contact, decreasing to 35-40 deg to CA for most of the interval. Wallrock is broken to shatted over 5-10cm at both contacts, with hairline calcite fillings.												
		205.67 to 206.04 Upper Dyke. Top contact is 20-25 deg to the CA. Lower contact is partially ground and its depth is approximate.												
		206.63 to 207.15 Lower Dyke. Much less broken overall than is the previous dyke. Upper contact is at <20 deg to the CA, while the lower contact appears to be approx. fol. parallel.												
		Underlying unit is commonly strongly fractured above 208.6m.												
207.15	286.4	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	206.95	208.00	1.05	35.000	14.000	181.000	1.200	18.000	NIL	NIL	NIL	NIL
		Weakly bedded, medium grey, and fine to occasionally medium	208.00	209.09	1.09	65.000	7.000	40.000	NIL	6.000	NIL	NIL	NIL	NIL
		grained. 2-4% 1-3mm qtz-eyes. Often with mm-wide calc-filled	209.09	210.27	1.18	135.000	14.000	41.000	0.400	16.000	NIL	NIL	NIL	NIL
		fractures and weak streaky silicification above 214.3m.	210.27	211.10	0.83	30.000	5.000	35.000	NIL	9.000	NIL	NIL	NIL	NIL
		Reasonably homogenous below 214.3m, except for a few zones	212.14	213.52	1.38	95.000	10.000	38.000	NIL	7.000	NIL	NIL	NIL	NIL
		of mod bleaching, notably from 215-215.6m and 216.8-218m.	213.52	214.87	1.35	125.000	14.000	65.000	NIL	22.000	NIL	NIL	NIL	NIL
		Bleaching is apparently due to whitish coloured Na-K fsp alt.	219.20	220.40	1.20	185.000	21.000	122.000	NIL	24.000	NIL	NIL	NIL	NIL
		rather than sericite or calcite. 2-3% very fine diss py.	222.90	224.33	1.43	150.000	13.000	59.000	NIL	15.000	NIL	NIL	NIL	NIL
		Foliation is variable from about 40 deg to about 60 deg to the	227.38	228.72	1.34	310.000	18.000	73.000	1.000	9.000	NIL	NIL	NIL	NIL
		CA, sometimes over intervals of less than 1m.	228.72	229.95	1.23	90.000	20.000	300.000	0.600	10.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		223.0 to 232.1 Contains up to 5-7% fine calc altered fsp crystals in places. 1% fine gar is also common, and 3-5% diss py and tr sph occur locally.
		232.1 to 235.25 BRECCIA/FAULT ZONE (F.Z./Bx) Strongly fractured to shattered, and broked from drilling above 233.18m. Below this point fault gouge is common, as a matrix to pebble-sized pieces of unbroken dacite which often exhibit calcite cemented fractures and strong alteration to sericite and whitish clay minerals.
		235.25 to 286.4 Very similar to section from 223.0-232.1m. Moderately sericitized, with weak (to mod?) pervasive silicification in areas with elevated py and/or sph content. Contains 3-4% fine to med grained diss py throughout, with 1-2% sph from 238.7-239.8m, as 2-10cm wide fol. parallel to subconcordant fracture fillings. Foliation varies from 50-65 deg to the CA, somewhat more consistent and averaging 55 deg to the CA below 247m.
		Includes from 5-8% py and from 1-3% sph over the interval 248.5-261m. Much of the py and most of the sph occur along narrow fractures, occasionally with minor qtz and/or calc. Where mineralized subconcordant fractures occur, they almost always cut the CA at a slightly lower angle than does the fol. Networks of interconnecting hairline fillings are reasonably common within the richer parts of the interval. A single

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
229.95	230.92	0.97	205.000	19.000	183.000	0.800	8.000	NIL	NIL	NIL	NIL
233.47	234.70	1.23	3635.000	9.000	187.000	2.000	4.000	NIL	NIL	NIL	NIL
234.70	236.20	1.50	795.000	11.000	33.000	1.400	11.000	NIL	NIL	NIL	NIL
236.20	237.65	1.45	370.000	13.000	53.000	0.600	15.000	NIL	NIL	NIL	NIL
237.65	238.48	0.83	460.000	13.000	71.000	0.800	20.000	NIL	NIL	NIL	NIL
238.48	239.07	0.59	1950.000	22.000	860.000	3.200	73.000	NIL	NIL	NIL	NIL
239.07	239.57	0.50	10000.000	188.000	6400.000	15.200	150.000	NIL	NIL	NIL	NIL
239.57	241.16	1.59	400.000	46.000	2200.000	1.000	17.000	NIL	NIL	NIL	NIL
241.16	242.62	1.46	285.000	14.000	55.000	1.200	8.000	NIL	NIL	NIL	NIL
242.62	244.15	1.53	590.000	20.000	80.000	1.000	13.000	NIL	NIL	NIL	NIL
244.15	245.66	1.51	430.000	12.000	54.000	0.600	9.000	NIL	NIL	NIL	NIL
245.66	247.19	1.53	125.000	10.000	58.000	0.400	10.000	NIL	NIL	NIL	NIL
247.19	248.71	1.52	485.000	20.000	84.000	1.000	13.000	NIL	NIL	NIL	NIL
248.71	249.81	1.10	665.000	50.000	590.000	2.000	25.000	NIL	NIL	NIL	NIL
249.81	250.86	1.05	1820.000	118.000	4400.000	5.400	42.000	NIL	NIL	NIL	NIL
250.86	251.76	0.90	620.000	20.000	710.000	1.200	17.000	NIL	NIL	NIL	NIL
251.76	252.96	1.20	1180.000	38.000	640.000	1.800	12.000	NIL	NIL	NIL	NIL
252.96	253.70	0.74	4010.000	48.000	930.000	3.200	11.000	NIL	NIL	NIL	NIL
253.70	254.81	1.11	1200.000	101.000	8500.000	4.200	21.000	NIL	NIL	NIL	NIL
254.81	255.81	1.00	950.000	39.000	6100.000	3.200	23.000	NIL	NIL	NIL	NIL
255.81	257.21	1.40	1510.000	81.000	4600.000	2.200	16.000	NIL	NIL	NIL	NIL
257.21	258.70	1.49	630.000	200.000	4000.000	3.000	15.000	NIL	NIL	NIL	NIL
258.70	259.84	1.14	1630.000	150.000	5500.000	3.000	13.000	NIL	NIL	NIL	NIL
259.84	260.55	0.71	1740.000	230.000	7000.000	3.000	13.000	NIL	NIL	NIL	NIL
260.55	260.90	0.35	5400.000	48.000	1650.000	7.800	67.000	NIL	NIL	NIL	NIL
260.90	261.54	0.64	1990.000	133.000	2300.000	3.000	17.000	NIL	NIL	NIL	NIL
261.54	262.72	1.18	415.000	23.000	860.000	0.800	8.000	NIL	NIL	NIL	NIL
262.72	263.86	1.14	675.000	40.000	1150.000	1.000	10.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		sizeable band of semi-massive py 7-8 cm thick occurs at 206.5m Below 206.5m, 3-5% py and tr-1% sph and gar is typical. Tr cpy occurs over the interval from 282.3-286.25m, with py and lesser sph as 1-4mm wide fracture fillings. Very well foliated, with up to 1% chl along fol. planes. The only banding evident is due to sulphide filled fractures, and wispy bands of diss py to 1 cm thick. Lower contact is fol. parallel at 65-70 deg to the CA, and approx, coincident with the transition from fracture filling mineralized seams, to a disseminated to clotty sulphides. Individual flow contacts could not be distinguished within the preceding section, presumably to the homogeneity of alteration.
286.4	304.14	QID/ASH TUFF W LAPILLI + LAPILLI TUFF (QID w Lap.+Lap. Tuff) Similar to the preceding unit in qtz-eye content and intensity of alteration, but commonly containing several percent dacitic lapilli measuring from <1cm in diameter to 1cm by 3cm. Brief fragment-rich sections to 20-30cm core lengths, are in some cases the bases of thicker subtly graded flows, with fragments

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
263.86	264.36	0.50	785.000	62.000	4400.000	1.000	9.000	NIL	NIL	NIL	NIL
264.36	265.58	1.22	375.000	14.000	144.000	1.200	4.000	NIL	NIL	NIL	NIL
265.58	267.00	1.42	335.000	27.000	340.000	0.400	10.000	NIL	NIL	NIL	NIL
267.00	268.50	1.50	175.000	12.000	160.000	0.600	8.000	NIL	NIL	NIL	NIL
268.50	269.04	0.54	215.000	43.000	4900.000	1.000	6.000	NIL	NIL	NIL	NIL
269.04	269.85	0.81	150.000	27.000	1150.000	0.400	10.000	NIL	NIL	NIL	NIL
269.85	270.79	0.94	225.000	21.000	1150.000	0.800	6.000	NIL	NIL	NIL	NIL
270.79	272.02	1.23	420.000	60.000	1300.000	0.800	8.000	NIL	NIL	NIL	NIL
272.02	273.01	0.99	940.000	305.000	1800.000	3.000	15.000	NIL	NIL	NIL	NIL
273.01	274.06	1.05	120.000	101.000	150.000	1.800	11.000	NIL	NIL	NIL	NIL
274.06	274.94	0.88	160.000	255.000	370.000	3.000	13.000	NIL	NIL	NIL	NIL
274.94	276.14	1.20	750.000	200.000	530.000	3.800	19.000	NIL	NIL	NIL	NIL
276.14	277.16	1.02	665.000	220.000	940.000	2.800	17.000	NIL	NIL	NIL	NIL
277.16	278.16	1.00	300.000	90.000	128.000	1.400	14.000	NIL	NIL	NIL	NIL
278.16	279.19	1.03	155.000	144.000	510.000	2.000	20.000	NIL	NIL	NIL	NIL
279.19	280.44	1.25	145.000	154.000	148.000	2.000	16.000	NIL	NIL	NIL	NIL
280.44	281.65	1.21	465.000	32.000	147.000	3.000	19.000	NIL	NIL	NIL	NIL
281.65	282.72	1.07	2300.000	1650.000	4700.000	22.000	28.000	NIL	NIL	NIL	NIL
282.72	284.02	1.30	465.000	169.000	700.000	4.200	15.000	NIL	NIL	NIL	NIL
284.02	284.97	0.95	860.000	2500.000	4400.000	23.000	36.000	NIL	NIL	NIL	NIL
284.97	285.73	0.76	1690.000	2500.000	1350.000	32.000	35.000	NIL	NIL	NIL	NIL
285.73	287.19	1.46	410.000	420.000	116.000	4.000	20.000	NIL	NIL	NIL	NIL
287.19	288.34	1.15	450.000	103.000	183.000	2.000	20.000	NIL	NIL	NIL	NIL
288.34	289.84	1.50	425.000	59.000	320.000	1.400	25.000	NIL	NIL	NIL	NIL
289.84	291.38	1.54	130.000	112.000	3200.000	1.200	49.000	NIL	NIL	NIL	NIL
291.38	292.45	1.07	150.000	240.000	7700.000	2.000	33.000	NIL	NIL	NIL	NIL
292.45	293.80	1.35	225.000	170.000	1400.000	2.200	20.000	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
		fining uphole and grading into QID with 2-4% 1-2mm qtz eyes.	293.80	294.78	0.98	315.000	184.000	1400.000	3.800	22.000	NIL	NIL	NIL	NIL
		Strongly to very strongly sericitized, with an average of 5-7%	294.78	296.26	1.48	140.000	64.000	630.000	1.200	14.000	NIL	NIL	NIL	NIL
		fine diss. py. Larger "clots" of py-sph occur in pressure	296.26	297.48	1.22	150.000	75.000	1700.000	0.800	10.000	NIL	NIL	NIL	NIL
		shadows of larger lapilli at 292.6m, and as 1-3mm seams with	297.48	298.65	1.17	500.000	128.000	1750.000	1.600	14.000	NIL	NIL	NIL	NIL
		qtz and calcite along anastomosing shear planes below about	298.65	300.13	1.48	645.000	113.000	650.000	2.400	15.000	NIL	NIL	NIL	NIL
		300m, where lapilli tuff predominates.	300.13	301.30	1.17	885.000	600.000	2100.000	6.200	21.000	NIL	NIL	NIL	NIL
		Foliation varies from 55-65 deg to the CA.	301.30	302.54	1.24	750.000	600.000	930.000	7.200	31.000	NIL	NIL	NIL	NIL
			302.54	303.58	1.04	915.000	3000.000	1500.000	20.000	51.000	NIL	NIL	NIL	NIL
			303.58	304.00	0.42	455.000	1100.000	880.000	15.400	76.000	NIL	NIL	NIL	NIL
304.14	305.08	REV GRADED QTZ-EYE DACITE (QID rev gdd)	304.00	305.06	1.06	90.000	30.000	330.000	0.600	46.000	NIL	NIL	NIL	NIL
		Qtz eye content decreases from 5-7% (or even 7-8% at the upper contact) 1-2mm in size, to 3-4% (or 2-3% at lower contact) only a mm or less in diameter.												
		Mod to strong calc alteration accompanies sericite within and below this unit. 2-3% very fine diss py.												
		Lower contact is somewhat arbitrary, placed where a 2-3mm wide chl-calc-py seam marks a slip oblique to fol, which divides gradational QID from reasonably uniform fine QID.												
305.8	328.60	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff fg)	305.06	306.14	1.08	200.000	32.000	890.000	3.000	220.000	NIL	NIL	NIL	NIL
		Homogenous fine QID with 1-2% qtz eyes, 1mm or smaller.	306.14	307.62	1.48	345.000	64.000	1050.000	7.200	198.000	NIL	NIL	NIL	NIL
		Alteration and mineralization similar to the previous unit.	307.62	308.76	1.14	325.000	31.000	137.000	3.400	46.000	NIL	NIL	NIL	NIL
		Weak silicification is present a few places between 316.5m and	308.76	310.13	1.37	120.000	21.000	210.000	3.000	50.000	NIL	NIL	NIL	NIL
		320.5m, with tr gal? locally.	310.13	310.86	0.73	115.000	15.000	110.000	4.000	54.000	NIL	NIL	NIL	NIL
		A single flow contact distinguishable within the sequence at	310.86	311.64	0.78	255.000	28.000	108.000	6.800	41.000	NIL	NIL	NIL	NIL
		316.15m, apparently marks the top? of the next section downhole	311.64	312.72	1.08	75.000	30.000	120.000	2.800	43.000	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		where a flow top breccia contains 3-4% 1-2mm qtz eyes..
		Contact and foliation are ~50 deg to the CA.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	Co ppm	Ni ppm	Pt ppb	Pd ppb
312.72	314.11	1.39	120.000	21.000	86.000	2.600	26.000	NIL	NIL	NIL	NIL
314.11	315.38	1.27	150.000	28.000	102.000	3.400	38.000	NIL	NIL	NIL	NIL
315.38	316.77	1.39	125.000	20.000	88.000	2.000	29.000	NIL	NIL	NIL	NIL
316.77	317.77	1.00	65.000	23.000	92.000	2.000	41.000	NIL	NIL	NIL	NIL
317.77	318.82	1.05	60.000	33.000	110.000	2.400	37.000	NIL	NIL	NIL	NIL
318.82	320.21	1.39	60.000	21.000	152.000	2.000	25.000	NIL	NIL	NIL	NIL
320.21	321.13	0.92	55.000	22.000	162.000	2.000	37.000	NIL	NIL	NIL	NIL
321.13	321.86	0.73	65.000	55.000	83.000	2.800	39.000	NIL	NIL	NIL	NIL
321.86	323.18	1.32	120.000	59.000	112.000	3.400	50.000	NIL	NIL	NIL	NIL
323.18	324.39	1.21	235.000	21.000	215.000	5.000	111.000	NIL	NIL	NIL	NIL
324.39	325.55	1.16	140.000	20.000	380.000	4.000	171.000	NIL	NIL	NIL	NIL
325.55	326.65	1.10	85.000	15.000	250.000	1.800	37.000	NIL	NIL	NIL	NIL
326.65	327.65	1.00	80.000	79.000	66.000	0.800	13.000	NIL	NIL	NIL	NIL
327.65	328.55	0.90	40.000	83.000	200.000	0.600	17.000	NIL	NIL	NIL	NIL

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
38.40	-55.00	291.00
56.69	-54.50	292.00
102.41	-52.50	299.00
142.04	-52.00	302.50

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: RAINY RIVER
HOLE No.: NR9661

FROM	TO	LITHOLOGICAL DESCRIPTION		
		DEPTH	INCLINATION	BEARING
		291.38	-47.00	320.00
		326.14	-46.00	323.00
		328.60	-46.00	323.00

			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

Nuinsco Resources
Rainy River Project

908 The East Mall
Etobicoke, ON M9B 6K2

Tel: (416) 626-0470
Fax: (416) 626-0890

VOLUME II

EXPLORATION DATA

Rainy River Project
Richardson Township

(August – December 1996 Diamond Drilling)

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

Field Office: Box 306 Nestor Falls ON P0X 1K0

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9662
Collar Eastings: -750.00
Collar Northings: -625.00
Collar Elevation: 0.00
Grid: Rich
FINAL DEPTH: 300.22M

Collar Inclination: -50.00
Grid Bearing: 360.00
Final Depth: 300.22 metres
CLAIM No. Lot 5, Conc. I
Deepened from 231.78m 13/12/96 to 15/12/96.

Logged by: C.A.WAGG
Date: 05/11/96-14/11/96
Down-hole Survey: Sperry-Sun
DATES LOGGED: 16/11/96+18/01/97

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	39.9	OVERBURDEN (Ovb)								
39.9	53.81	INTERMEDIATE CRYSTAL TUFF (Int. Xtal Tuff) Medium grey and fine to medium grained. Essentially a qtz-eye rich QID with about 20% fine chl and biot +/- minor amph. 5-15% medium sized (1-3mm) deep blue to whitish qtz-eyes. Very weakly sericite and calcite altered, with 2-3% diss. py throughout, and 5-7% below 52.75m where the unit is weakly sheared and has been weakly to moderately silicified and chl-calc altered. Reasonably well foliated at ~55 deg to the CA. Lower contact is sharp and parallel to the foliation.	51.39	52.84	1.45	195	20	82	0.9	3
			52.84	53.81	0.97	20	12	90	0.3	5
53.81	66.2	MIXED MAFIC TO INTERMEDIATE ASH TUFFS (Maf-Int Ash Tuffs, bdd) Medium to light grey-green, fine grained. Variable from well bedded mafic ash, to fairly massive rock of probable andesitic composition containing trace fine qtz-eyes, a short interval of intermediate ash tuff at 65.9m with a few 2mm qtz-eyes. Massive andesitic sections may be flows. Weak chlorite and weak to moderate calcite alteration is seen primarily within the bedded mafic ash. Sulphide described by subunit.	55.87	56.78	0.91	10	10	89	NIL	2
			60.10	62.60	2.50	40	196	400	0.6	3

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9662

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Well foliated at 55-60 deg to the CA. All internal contacts exhibit very similar orientations.								
		53.81 to 56.43 Bedded Mafic Ash Tuff with tr very fine py.								
		56.43 to 61.1 Weakly foliated Andesitic interval, tr py.								
		61.1 to 63.12 Mafic Ash similar to the top subunit. Weakly sheared, with 3-4% diss py on average, and 15 cm core length qtz vein at 61.65m with irregular contacts cutting the CA at about 75-85 deg.								
		63.12 to 65.7 Andesitic interval similar to the second subunit from top. 1% py, fine to coarse, and unevenly distributed.								
		65.7 to 66.2 Bedded Andesitic Ash Tuff, including a unit mentioned previously with a few med. sized qtz-eyes having a true thickness of 6cm. Contacts 53-55 deg to the CA.								
66.2	72.4	MAFIC FLOWS + TUFFS? (Maf Flow + Tuff ?)	67.35	67.85	0.50	140	330	315	1.8	5
		Dark green, fine grained. Massive in appearance but well	70.10	71.33	1.23	130	157	710	0.8	NIL
		foliated at top, grading to pillowed and pillow breccia in	71.33	72.20	0.87	270	75	330	0.7	NIL
		the middle, to pillow breccia and tuff? at bottom								
		Very weakly chl and calc altered, possibly weakly silicified, with tr-1% py on average. Garnets up to 2-3mm are largely restricted to, yet abundant within, the middle subunit, which exhibits semi-massive py over 1-3cm bands along contacts.								

FROM	TO	LITHOLOGICAL DESCRIPTION
		Foliation varies from 60-70 deg to the CA. Both contacts are at ~60 deg to the CA, parallel to fol in the vicinity.
		67.75 to 71.32 Pillowed to pillow breccia section with 8-10% med sized garnets and 1-2% py, tr po, with most occurring as cm-thick beds? of py and minor po along flow contacts?
72.4	89.42	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Medium to light grey. Weakly graded and poorly to very well bedded. Appears as a series of well bedded to more massive homogeneous tuff beds. Contains a few fine qtz eyes at top, progressing gradually to about 8-10% 1-3mm qtz eyes at 85.5m, then decreasing to levels of 3-4% at the contact with a well bedded unit with 1-2% eyes at 89.42m. Moderately sericitized throughout, weakly silicified above 80.0m, moderately bleached and calc altered below. Rare, sinuous to contorted qtz or qtz-calc stringers up to 1cm wide occasionally contain tr sph, and often exhibit chloritized contacts. 2-4% fine diss. py. Foliation is variable from 55-65 deg to the CA; 60-65 deg to CA at contact at 89.42m.
		72.4 to 75.7 Ash Tuff with 1-2% fine qtz eyes, well bedded. 75.7 to 80.0 QID weakly bedded, with 2-3% qtz-eyes grading to 3-4% sm-med. sized at lower contact. 80.0 to 89.42 Poorly bedded QID, grading to a maximum of

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
72.20	73.28	1.08	100	67	177	0.5	25
73.28	74.67	1.39	15	17	103	0.2	8
74.67	76.12	1.45	2860	48	112	3.2	18
76.12	77.56	1.44	235	26	75	0.4	25
77.56	79.06	1.50	155	22	92	0.3	22
79.06	80.48	1.42	560	24	135	0.9	28
80.48	81.43	0.95	300	26	97	0.5	21
81.43	82.98	1.55	150	22	90	0.2	20
82.98	84.58	1.60	70	26	67	NIL	8
84.58	85.99	1.41	245	20	113	0.2	34
85.99	87.58	1.59	160	28	123	0.3	18
87.58	89.03	1.45	120	26	129	0.3	80

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		8-10% sm-med. sized qtz eyes at 85.5m. Mod. well bedded over lowermost metre.								
89.42	93.26	BEDDED ASH TUFF (Ash Tuff, bdd)	89.03	90.22	1.19	30	22	128	0.3	13
		Medium to pale grey, fine graineed. Similar to the top bedded	90.22	91.32	1.10	440	16	160	0.8	35
		section of the previous interval, but for lack of qtz-eyes.	91.32	92.47	1.15	705	22	480	0.8	29
		Trace to 1% fine qtz eyes, strongly sericitized, 3-5% diss. py.								
		Some py occurs as mm-wide diss seams along andatomosing								
		shear surfaces. Tr gar is likely present throughout, with some								
		to 2-3mm at 90.6m and 92.62m								
		Contacts and foliation are at 60 deg to the CA.								
93.26	129.43	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	92.47	93.33	0.86	1640	40	680	2.0	43
		Similar to the interval from 72.4-89.42m, but less variable.	93.33	94.39	1.06	1070	68	540	2.0	32
		Weakly to moderately bedded, weakly graded.	94.39	95.45	1.06	1490	152	2800	4.6	62
		Reasonably homogeneous colour and qtz-eye content at around	95.45	96.45	1.00	445	39	176	0.7	20
		5-7% for the upper part of the unit, and 3-5% over the lower	96.45	97.62	1.17	335	32	134	0.7	18
		part. Alteration is also similar but for occasional spotty calcite	97.62	98.78	1.16	515	126	6250	2.5	182
		as <2mm crystals at 2-3% levels, and the common occurrence of	98.78	99.83	1.05	260	16	180	0.5	24
		fine to med. sized garnet from place to place.	99.83	100.78	0.95	360	59	3500	2.1	43
		Foliation is 65 deg to the CA; contact appears slightly oblique	100.78	102.10	1.32	290	64	2700	0.2	37
		due to offset along a narrow qtz veinlet filling a fracture.	102.10	102.97	0.87	260	12	510	0.5	13
			102.97	103.46	0.49	350	240	6100	1.5	31
			103.46	104.70	1.24	115	18	88	0.4	22
			104.70	105.73	1.03	75	22	125	0.7	43
			105.73	107.22	1.49	120	29	121	1.1	75
			107.22	108.63	1.41	200	30	295	0.8	55

FROM	TO	LITHOLOGICAL DESCRIPTION
129.43	149.35	BEDDED QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff, bdd) Similar to the interval from 72.4-89.42m, but uniformly finely laminated above about 138m, and with a few weakly graded flows (less bedded, slightly coarser) present below, progressing to a relatively homogeneous strongly altered med. grained QID at the lower contact. 4-5% qtz eyes and 2-3% 1-3mm garnets is typical, with both commonest from 140-146m, coincident with the darkest portion of the unit which appears weakly sil., and contains 2-3% sph as diss. clusters to mm-thick bands. 3-4% very fine diss. py and up to 1% sph overall. Foliation is variable from 55-70 deg to the CA, often changing

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
108.63	110.13	1.50	120	24	220	0.5	66
110.13	111.25	1.12	125	24	440	0.5	41
111.25	112.35	1.10	150	25	110	0.4	42
112.35	113.88	1.53	190	36	163	0.6	36
113.88	115.25	1.37	480	29	590	0.4	41
115.25	116.67	1.42	370	22	176	0.4	24
116.67	118.11	1.44	885	50	480	1.8	130
118.11	119.63	1.52	205	44	305	1.3	165
119.63	121.00	1.37	170	27	171	0.6	60
121.00	122.00	1.00	540	25	79	0.3	22
122.00	123.50	1.50	470	18	117	0.4	50
123.50	124.33	0.83	670	18	102	0.6	50
124.33	124.85	0.52	290	15	250	0.7	38
124.85	126.40	1.55	360	14	70	0.6	24
126.40	127.37	0.97	240	15	61	0.3	19
127.37	128.69	1.32	1000	26	290	0.6	42
128.69	129.54	0.85	255	16	410	0.4	27
129.54	130.22	0.68	150	10	143	0.3	34
130.22	131.38	1.16	165	31	1950	0.9	36
131.38	132.69	1.31	355	40	1500	0.6	31
132.69	133.61	0.92	720	185	8400	3.5	30
133.61	135.18	1.57	290	70	4550	3.5	22
135.18	136.35	1.17	425	68	4450	1.7	20
136.35	137.80	1.45	265	30	2200	0.8	25
137.80	139.34	1.54	105	70	3800	1.0	15
139.34	140.64	1.30	255	75	3600	1.2	22
140.64	141.73	1.09	175	44	4500	1.0	19

FROM	TO	LITHOLOGICAL DESCRIPTION
		substantially over 30-50cm core lengths. Weak to mod. kinking is frequent, and a few calc filled non-mineralized fractures at low angles to the CA occur from 134-142m. Lower contact is at 70 deg to the CA.
149.35	175.25	QID w LAP+LAPILLI TUFF (QID w Lap+Lap Tuff, bdd) Sharp transition to a lapilli tuff composed primarily of frag. ranging from 5mm in diameter to flattened 1-2cm thickness. Groundmass to lapilli constitutes 15-25% of the rock, and is notably darker than is usual within the uphole dacites. This is due to chl intermixed with ser contrasting strongly with bleached lapilli. Qtz-eye content varies from one flow to the next, ranging from 3-4% up to 10% locally over short intervals. Strongly sericite altered and silicified in places. Foliation is generally 65-75 deg to the CA,averaging 70 deg. 152.85 to 156.58 Lapilli tuff(s) containing 8-10% 1-2mm whitish fsp crystals, weakly calc altered. 156.58 to 156.68 QID with 3-4% 1-2mm qtz eyes and a fine pale grey groundmass. Conntacts are at ~70 and ~75 deg to the CA, presumably slightly deformed by shearing or by weak undulatory folding. 157.84 to 158.11 Crosscutting qtz vein at 30-35 deg to the CA, near perpendicular to fol. Qtz is mottled grey to white and appears shattered and recrystsllized. Contains no min.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
141.73	142.98	1.25	270	49	4850	1.2	40
142.98	144.30	1.32	235	39	3800	0.7	22
144.30	145.50	1.20	605	40	2300	1.1	30
145.50	147.82	2.32	400	60	4550	0.9	25
147.82	148.70	0.88	215	29	4000	0.7	20
148.70	149.90	1.20	125	46	2350	1.6	24
149.90	150.95	1.05	160	62	2550	1.2	19
150.95	152.43	1.48	100	28	2300	0.8	17
152.43	153.92	1.49	105	38	1250	1.0	18
153.92	155.42	1.50	170	75	2200	1.7	19
155.42	156.97	1.55	175	55	1450	0.8	17
156.97	157.69	0.72	150	34	105	0.8	11
157.69	158.31	0.62	115	61	43	0.7	18
158.31	159.11	0.80	235	59	32	2.0	20
159.11	160.02	0.91	285	182	1750	1.5	20
160.02	160.74	0.72	230	77	1900	2.5	14
160.74	161.44	0.70	85	17	720	0.5	5
161.44	162.44	1.00	75	29	170	1.7	17
162.44	163.06	0.62	80	56	630	1.5	7
163.06	164.20	1.14	190	50	109	2.2	11
164.20	165.35	1.15	205	44	220	0.5	11
165.35	166.58	1.23	270	23	80	0.5	11
166.58	167.80	1.22	385	18	136	1.4	14
167.80	169.16	1.36	260	78	395	1.4	15
169.16	170.48	1.32	575	116	1350	1.8	195
170.48	171.86	1.38	1060	91	4750	1.6	18
171.86	173.26	1.40	455	63	3850	1.0	20

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
			173.26	174.52	1.26	870	33	1450	1.2	12
		158.11 to Below the vein, py content rises abruptly to 7-8% with a qtz-calc plus semi-massive py veinlet 1 cm thick at 159.7m, and 10-15% diss. to banded py over 10 cm at 160.7m. As well strong sil. is evident over 50-60cm at 760.25m, and a narrow qtz vein meanders along the CA for 80cm to 762.3m. Includes several narrow zones of fault gouge, along <1 to 2cm wide foliation parallel dislocations. Several occur over 15cm at 160.8m, a single 2cm wide slip occurs at 162.6m, and a narrow zone of broken core at 170.35m appears similar.								
175.25	177.96	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) 3-4% qtz-eyes, moderately bleached with a homogeneous, fine groundmass. Both contacts appear to parallel foliation, but may have been modified by shearing. Includes a 20-30cm core length interval of broken core, likley a zone of gouge similar to those within the preceding unit. 1-2% fine diss py, associated with a few percent fine diss. chl.	175.26	176.58	1.32	695	21	2050	0.5	9
			176.58	177.70	1.12	375	18	158	0.4	9
177.96	192.0	LAPILLI TUFF (Lap Tuff) Similar to the interval from 149.35-175.25m, but lacking the sections of QID with lapilli. Likely 5-7% chlorite, 3-4% fine diss. py, and tr-1% fine garnet.	177.70	178.92	1.22	830	34	125	0.8	10
			178.92	179.95	1.03	915	105	189	1.2	13
			179.95	181.35	1.40	655	101	250	1.8	12
			181.35	182.54	1.19	790	117	129	1.7	13
			182.54	184.12	1.58	170	38	315	0.7	11
			184.12	185.69	1.57	710	30	210	0.7	9

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
			185.69	187.23	1.54	445	112	210	0.4	10
			187.23	188.70	1.47	355	17	345	0.4	8
			188.70	190.16	1.46	530	15	245	0.5	7
			190.16	191.67	1.51	360	14	137	0.5	9
192.0	265.87	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff, wk gdd)	191.67	193.04	1.37	285	26	830	0.9	10
		Similar to previous unbanded QID units, with 1-2% qtz-eyes up	193.04	193.54	0.50	11070	1000	10001	14.8	9
		to 1mm in diam. near the top contact, gradually progressing to	193.54	194.88	1.34	540	22	1600	0.5	6
		3-4% up to 1-2mm in size at the (orig.) EOH (231.78m).	194.88	196.19	1.31	1200	14	220	0.6	6
		3-4% fine diss. py, tr sph. Mod. to strongly ser altered with	196.19	197.59	1.40	830	10	135	0.3	7
		tr-1% fine garnet.	197.59	198.90	1.31	170	6	114	0.2	5
		Very well foliated at 70-75 deg to the CA at top contact,	198.90	200.32	1.42	270	9	89	0.3	7
		becoming variable from 60-75 deg where well mineralized.	200.32	201.65	1.33	350	4	69	0.3	7
		Sulphides occur along mm-wide slips or microfractures sub-	201.65	202.81	1.16	270	2	69	0.2	8
		parallel to the foliation.	202.81	204.06	1.25	355	2	73	0.3	15
			204.06	205.39	1.33	815	8	121	0.2	14
		206.95 to 231.78 Strongly bleached and well fractured, with	205.39	206.21	0.82	465	35	210	0.2	20
		sulphide fillings to 3-4mm thick. Fractures are most commonly	206.21	207.31	1.10	1470	25	600	0.3	12
		planar and subparallel to fol., but irregular crosscutting	207.31	208.32	1.01	1110	61	4000	0.7	19
		fillings are not uncommon. Appears well banded on a cm-scale	208.32	209.18	0.86	3200	85	2200	4.0	30
		below about 220.5m, but this interpreted to be due to shearing	209.18	209.98	0.80	250	191	3500	1.6	50
		and silicification, resulting in micaceuos laminae separating	209.98	210.87	0.89	1420	94	1800	2.2	40
		bands of dacite altered to varying degrees. The subinterval	210.87	211.79	0.92	2220	77	2400	1.4	85
		may average about 5-7% py and <1% sph, with the bulk of	211.79	212.88	1.09	720	60	1200	1.2	46
		the fracture fillings found between 208.8m and 219m.	212.88	214.20	1.32	1840	310	5000	2.4	34
		Qtz stringers are essentially absent from section.	214.20	215.09	0.89	420	35	920	0.8	25
		215.09	216.14	1.05		555	112	3400	1.0	34
		231.78 to 245.36 Qtz eye content shows a gradual decrease to	216.14	217.16	1.02	1070	230	6300	2.2	7

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		levels of 1-3%. Gnt was not noted. And from about 236.2m to	217.16	218.11	0.95	900	285	1150	2.6	96
		the lower contact the unit exhibits weak to mod. silicification	218.11	219.03	0.92	12100	160	640	3.6	26
		as fol. parallel banding usually <1cm in thickness. This	219.03	220.04	1.01	450	173	1000	1.6	27
		section is also mod.- strongly fractured with, in places,	220.04	221.38	1.34	310	41	590	0.8	40
		abundant interconnected, non-planar, sulphide-sericite fillings	221.38	222.73	1.35	175	62	710	1.0	46
		commonly about a mm in width. 4-5% very fine py, tr-1% sph,	222.73	224.02	1.29	320	27	500	0.6	16
		with tr cpy noted at 242.7m.	224.02	225.28	1.26	145	77	1400	1.2	31
		Includes a 20cm qtz vein at 232.55m, containing a few percent	225.28	226.62	1.34	140	146	2100	1.4	24
		diss. py, and cutting the CA at ~55 deg, subparallel to the fol.	226.62	227.42	0.80	740	230	5100	4.0	33
		which is at about 75 deg to the CA throughout the interval.	227.42	228.40	0.98	450	46	1050	1.6	37
			228.40	229.48	1.08	215	8	109	1.0	18
		245.36 to 250.1 Fine DID/Ash Tuff with <2% qtz eyes, mostly	229.48	230.58	1.10	205	16	240	1.0	25
		sub-mm in size. Contains 3-5% fine to med. grained evenly diss.	230.58	230.78	0.20	1490	114	9500	8.2	38
		py. Foliation is 75-80 deg to the CA.	230.78	231.78	1.00	440	31	380	2.2	14
			231.78	232.90	1.12	215	24	480	0.8	NIL
		250.1 to 264.7 Typical QID, weakly graded, with 4-5% 2-4mm	232.90	234.30	1.40	525	15	300	2.0	NIL
		qtz eyes at top, increasing to 7-8% towards the lower contact.	234.30	235.65	1.35	425	69	1650	3.0	NIL
		Similar to the section near the top contact of the main unit	235.65	236.97	1.32	500	46	910	4.2	NIL
		just below 192.0m, but slightly less fractured and altered for	236.97	237.87	0.90	1440	63	1350	8.8	NIL
		the most part. 3-4% fine diss py, locally to 4-5% over a few	237.87	239.35	1.48	1180	30	570	10.0	NIL
		0.5m sections.	239.35	240.83	1.48	1320	20	750	9.0	NIL
		A few folded to boudinaged qtz stringers from 1-3cm in thickness	240.83	242.17	1.34	935	59	1550	6.6	NIL
		at 250.8m contain several percent diss. py and tr cpy. over a	242.17	243.48	1.31	1220	82	2700	5.0	NIL
		core length of 20-25cm. A similar zone from 252.0-252.5m,	243.48	244.59	1.11	1200	84	1600	6.6	NIL
		exhibits thin folded py-sph bands or seams with tr cpy, in	244.59	245.36	0.77	1230	118	1500	7.8	NIL
		wall rock above the veining, and coarse py aggregate crystals	245.36	246.27	0.91	835	62	540	7.0	NIL
		up to a cm in size within qtz veinlets to 7-8cm thick.	246.27	247.33	1.06	90	21	170	1.0	NIL
		Both contacts of the subinterval are sharp and parallel to the	247.33	248.55	1.22	120	18	86	0.4	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		foliation at 78-80 deg to the CA.	248.55	249.62	1.07	210	21	140	0.4	NIL
			249.62	250.65	1.03	55	26	188	0.4	NIL
		264.7 to 265.53 Ash Tuff. Very pale grey and evenly	250.65	250.98	0.33	240	42	340	1.2	NIL
		coloured. 3-4% fine py, mostly as mm or thinner seams,	250.98	251.91	0.93	180	17	91	0.8	NIL
		apparently along subconcordant fractures rather than bedding	251.91	252.55	0.64	1150	85	500	4.4	NIL
		planes.	252.55	253.17	0.62	135	8	56	1.0	NIL
			253.17	254.50	1.33	30	9	74	0.8	NIL
		265.53 to 265.87 QID similar to the section immediately	254.50	255.66	1.16	55	10	82	1.0	NIL
		preceding the Ash Tuff.	255.66	257.10	1.44	80	12	52	1.8	NIL
			257.10	258.66	1.56	100	14	43	0.6	NIL
			258.66	260.16	1.50	40	11	38	0.6	NIL
			260.16	261.65	1.49	45	14	42	0.8	NIL
			261.65	263.23	1.58	45	16	44	1.0	NIL
			263.23	264.54	1.31	40	17	53	0.6	NIL
			264.54	265.82	1.28	70	8	43	0.6	NIL
265.87	266.7	ALT. MAFIC TO UM? DYKE (Alt. Maf.-UM? Dyke)								
		Med to light green, fine grained, and composed primarily								
		of amph, chl, and calc, probably all of entirely metamorphic								
		origin. May contain small amounts of qtz. Contains about								
		3% <2mm hb phenocrysts, and 2-3% fine to med. grained diss.								
		py. Also includes about 5cm of boudinaged vein qtz just above								
		lower contact within a strongly chloritic section.								
		Both contacts appear to crosscut foliation, and to have been								
		modified slightly by shearing. Orientation is -35 deg to CA.								
266.7	300.22	QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff, bdd)	265.82	266.72	0.90	30	114	200	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		Predominantly well bedded QID, weakly graded overall, with 1-3% py on average, and with a lesser degree of alteration than the units uphole. Foliation and subcontacts range from about 70 to >80 deg to the CA, commonly 75 deg or greater.
		266.7 to 268.2 QID with 7-8% small-med. sized qtz-eyes, weakly bedded, and readily recognizable as part of the overlying unit, cut off by the narrow intrusive.
		The remainder of the hole is composed of a thick, relatively homogeneous sequence of fine dacites with 1-3% sm-med. qtz-eyes. Fine, pale, well bedded sericite "rich"sections alternate with intervals spotted with up to 15% fine amph+/-chl. Narrow mm-cm wide fracture or tension gash filling qtz stringers, sometimes with minor silicification and chl alt. alongside, are often folded or offset by several cm along bedding/shear planes. Qtz fracture fillings comprise perhaps 0.5% of the unit.
		At 275.1m, a 5mm thick qtz veinlet running subparallel to bedding has been strongly folded back and forth upon itself, resulting in a number of small mushroom-shaped structures. Curiously the veinlet is connected to two mm wide tension gash fills, one qtz-rich, the other calcite-rich, and age relationship between the three is most unclear.
		From about 285.8 to 287.0m, Beddding parallel qtz stringers and veinlets account for 20-25% of the section. Ser and lesser chl are well developed, but py levels are not increased markedly.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
266.72	267.90	1.18	45	13	55	0.4	NIL
270.56	271.91	1.35	15	23	53	NIL	NIL
274.22	275.53	1.31	25	27	105	NIL	NIL
279.17	280.67	1.50	15	31	280	NIL	NIL
284.90	285.89	0.99	40	23	92	NIL	NIL
285.89	286.49	0.60	10	14	52	NIL	NIL
286.49	287.12	0.63	100	9	50	NIL	NIL
291.33	292.43	1.10	NIL	13	57	NIL	NIL
292.43	293.77	1.34	5	5	37	NIL	NIL
296.78	297.98	1.20	10	11	90	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Within a fine pale section from about 292.4-294.0m, folded, bifurcating, and boudinaged bedding-parallel thin qtz veinlets and ser-chl micaceous laminae indicate substantial deformation. Crennulated to ptygmatically folded micaceous beds? or shear surfaces resemble styolitic features to some degree, but may alternatively indicate strong compression along an axis lying within the plane of bedding, which could be largely obscured by later pervasive alteration and recrystallization. Foliation within this section and at the hole bottom is about 75 deg to the CA.								

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
54.86	-51.25	358.50
111.25	-48.00	360.00
170.69	-42.75	2.00
231.78	-39.00	7.00
285.00	-38.50	7.00
300.22	-38.50	7.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9663
Collar Eastings: -750.00
Collar Northings: -625.00
Collar Elevation: 0.00
Grid: Richardson Twp.

Collar Inclination: -65.00
Grid Bearing: 360.00
Final Depth: 46.15 metres
Abandoned at 41.15m, unable to anchor casing.

Logged by: C.A.WAGG 22/11/96
Date: 12/11/96-18/11/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS						
			FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	37.79	OVERBURDEN (Ovb)								
37.79	38.5	INTERMEDIATE CRYSTAL TUFF (Int. Xtal Tuff) Medium grey, fine grained. Andesitic to dacitic in composition. Approx. subequal amounts of calcite alt'd fsp, chl+/-hb and biot, and fine qtz. Strongly calcite altered with moderate chloritization. 10% fine diss. py, with up to 5% narrow qtz stringers. Foliation is quite variable, ranging from parallel to the CA at the top of the hole, to 35-40 deg to the CA over the lower half of the unit. Lower contact occurs within a zone of broken and ground core, and appears to be coincident with a veinlet of fine grey-white qtz about 5cm wide.								
38.5	46.15	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff, bdd) Commonly broken and ground above 42.3. Typical medium to dark grey QID, with 3-5% qtz-eyes occasionally up to 2-3mm in diam. Well banded to weakly sheared, and likely with discrete flows distinguishable if not for the broken core. Appears weakly silicified within a few 30cm long dark sections, and elsewhere is mod. to strongly bleached, seemingly due to albitization rather than ser and calcite alt. 7-8% fine diss.	37.80	39.55	1.75	10	10	89	NIL	2
			39.55	41.30	1.75	40	196	400	0.6	3
			41.30	41.76	0.46	140	330	315	1.8	5
			41.76	43.26	1.50	130	157	710	0.8	NIL
			43.26	45.40	2.14	270	75	330	0.7	NIL
			45.40	46.15	0.75	100	67	177	0.5	25

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9663

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		py on average, with occasional cm-wide fol. parallel bands within sections containing up to 10-12% py over 30-50cm. Foliation ranges from 45 deg to about 65 deg to the CA.								
		P.S. This hole shold not have been abandoned due to the characteristics of the bedrock encountered below 42m.								

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
46.15	-65.00	360.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9664
Collar Eastings: -100.00
Collar Northings: -612.00
Collar Elevation: 0.00
Grid: Richardson Twp.
at depths below 240m.

Collar Inclination: -50.00
Grid Bearing: 360.00
Final Depth: 275.85 metres
Hole flattened sufficiently to cause problemswith getting the overshot down to latc

Logged by: C.A.WAGG
Date: 19/11/96-27/11/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
0.0	3.97	ASH TUFF (Ash Tuff) Pale grey, fine grained and homogeneous. Broken and partly ground due to existing fractures opening during drilling. Contains trace qtz-eyes and fsp crystals, unbanded. Weakly sericitized, possibly weakly silicified, with 2-3% fine diss. chl and a similar amount of very fine py.								
3.97	4.53	DIABASE DYKE (DIAB) Dark grey to black, very fine grained, and very weakly magnetic. Both contacts are broken, appear weakly chilled/altered over about 1cm, and appear to parallel the weak foliation in the country rock at about 60 deg to the CA.	3.97	4.50	0.53	NIL	48	48	NIL	NIL
4.53	14.85	ASH TUFF (Ash Tuff) Very similar to the interval preceding the diabase, but much less fractured overall. Very gradually coarsening with depth, and exhibiting rare mm-size fsp crustals, moderate banding/ bedding and weak foliation below about 11.0m. Foliation is generally 60-65 deg to the CA, increasing to 70 deg near the lower contact.	4.50	5.70	1.20	NIL	19	59	NIL	NIL
			5.70	7.05	1.35	NIL	14	66	NIL	NIL
			7.05	8.40	1.35	NIL	NIL	NIL	NIL	NIL
			11.20	12.20	1.00	NIL	NIL	NIL	NIL	NIL
			12.20	13.34	1.14	NIL	NIL	NIL	NIL	NIL
			13.34	14.40	1.06	NIL	NIL	NIL	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Includes sections with common fol. parallel and CA parallel fracturing from 6.25-9.0m resulting in broken core, and exhibits regularly spaced, cm-thick bright greenish bands every 15-30cm along the core below 12.45m. These chl-calc rich bands resemble pillow selvages in size and appearance, but occur in places as small lenses apparently "smeared out" by deformation. They are interpreted as narrow "units" of primitive interflow sediment, derived from mafic volcanics, which mark contacts between individual tuff beds; and may in places occcur as deformed lapilli or chloritic enrichment at the bottoms of beds.								
14.85	55.77	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	14.40	15.19	0.79	NIL	NIL	NIL	NIL	NIL
		Pale grey, fine grained. Unbanded for the most part and	15.19	16.25	1.06	NIL	NIL	NIL	NIL	NIL
		reasonably homogenous above 30m. Contains only 1-2% <2mm qtz-	16.25	17.65	1.40	NIL	NIL	NIL	NIL	NIL
		eyes on average, except as noted within subintervals, up to	17.65	19.09	1.44	NIL	NIL	NIL	NIL	NIL
		perhaps 3-4% over 50cm in places. Also contains a few percent	19.09	20.29	1.20	NIL	NIL	NIL	NIL	NIL
		chl +/- biot diss. along foliation planes.	20.29	21.76	1.47	NIL	NIL	NIL	NIL	NIL
		Weakly sericitized and calc altered, with 1-2% fine diss py.	21.76	23.11	1.35	NIL	9	68	NIL	NIL
		Trace fine garnet is present locally, usually within areas	27.95	29.20	1.25	10	9	74	NIL	NIL
		exhibiting mm-sized calc-chl clusters (as a result of alt.).	29.20	30.53	1.33	NIL	11	81	NIL	NIL
		Moderately well foliated at 60-70 deg to the CA.	30.53	31.97	1.44	NIL	16	78	NIL	NIL
			33.27	34.06	0.79	NIL	12	140	NIL	3
		28.75 to 38.0 Grades into a moderately to strongly altered	35.13	36.22	1.09	NIL	4	73	NIL	NIL
		section, which is banded/bedded? to some degree, but chaotic,	36.22	36.85	0.63	NIL	5	78	NIL	NIL
		due to frequent offsets along fractures at 15-35 deg to the CA.	36.85	37.38	0.53	15	13	76	0.2	NIL
		1-2% fine garnet and 3-4% chlorite are common except within	37.38	39.10	1.72	10	18	318	NIL	8

FROM	TO	LITHOLOGICAL DESCRIPTION
		a fine, less altered, and weakly foliated section from 31.9-33.15m. 3-4% fine diss. py on average, up to 8-10% just above the lower contact.
		38.0 to 49.76 QID and Qtz-Fsp Xtal Tuff Similar to the subinterval from 14.85-28.75m, but without gar and commonly with a few percent fine fsp phenocrysts. Also 1-2mm wide bleached shear planes? parallel and subparallel to foliation are common near the upper contact. A few dark grey to blackish sections toward the bottom contact containg up to 10% small partially calcite altered phenocrysts in addition to 3-5% qtz eyes. The groundmass is very fine and silicious, possibly as a result of alteration. 3-4% fine py. May be amygdaloidal just above lower contact, where about 10% of the rock consists of <2mm qtz-chl-calc aggregates, with the calc partially dissolved by drilling resulting in a pitted appearance to the core. Individual flow contacts are usually bleached across about 1cm, and where observed parallel foliation closely.
		49.76 to 55.77 Bleached, altered, and deformed QID. (Top of the 17 zone?) Pale grey QID 2-4% qtz eyes up to 2mm in size. Finely laminated in most for the most part; appears well bedded but modified by non-uniform shearing and alteration. Moderatley to strongly ser and calc altered, with weak to mod. silicification present locally. Garnet content ranges from 1% present throughout, to 3-4% 1-3mm in size over 30-50cm sections. Py content is 3-4% on average, with up to 5-7% present over

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
39.10	40.20	1.10	NIL	12	168	NIL	NIL
40.20	41.65	1.45	5	21	1700	NIL	NIL
41.65	42.68	1.03	15	6	270	NIL	NIL
42.68	44.18	1.50	NIL	7	250	NIL	NIL
46.05	46.80	0.75	NIL	38	66	NIL	NIL
48.80	49.75	0.95	NIL	20	84	NIL	NIL
49.75	50.50	0.75	NIL	8	69	NIL	7
50.50	51.83	1.33	NIL	16	67	NIL	2
51.83	52.55	0.72	NIL	16	88	NIL	3
52.55	53.57	1.02	NIL	9	78	0.5	3
53.57	54.42	0.85	175	2	177	1.2	12
54.42	55.77	1.35	45	20	46	1.0	8

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		several 2-3m long sections. Py occurs diss. and as fillings along 1-3mm wide fractures. In some cases wispy, folded to *diffuse py seams appear to be the result of minor deformation* affecting oblique to crosscutting early? fractures. Very thin zones of black chl alt. are common along the py seams and at the contacts of 1-2cm wide qtz-calc veinlets which are subparallel to the foliation and usually 50-75 deg to the CA.								
55.77	56.27	FINE MAFIC TO U.MAFIC ? DYKE (Maf-UM? Dyke, fg) Fine grained, medium to bright green dyke, very similar to those noted in Spring drillholes peripheral to the M-UM body encountered from L 350W to L 700W, and logged as peridotitic. *Consists of about 10% sub-mm phenocrysts of blackish pyx +/-* hb. Groundmass is a mass of fine acicular amphibole? Contains no appreciable chlorite, and calc is essentially restricted to hairline fracture fillings. Trace py. Contacts are 70-75 deg to the CA, slightly irregular, and subparallel to the foliation. Fractures at very low angles to the CA are common, perhaps coincidentally, within the dacites for 3-6m away from dyke.	55.77	56.25	0.48	NIL	6	52	0.9	NIL
56.27	158.2	*ALT'D QTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff, alt'd)* Similar to the section preceding the dyke in both textures, alteration, and mineralization, sampled continuously. Foliation is generally 60-70 deg to the CA, occasionally	56.25	57.52	1.27	20	13	59	0.4	6
			57.52	58.74	1.22	10	15	35	0.8	6
			58.74	60.06	1.32	15	22	55	0.8	9
			60.06	61.62	1.56	25	17	33	1.0	3

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9664

FROM	TO	LITHOLOGICAL DESCRIPTION
		reaching 70-75 deg below 86m. A single 2mm wide sph fracture filling was noted at 70.55m, and another at 92.35m.
		79.0 to 83.85 Fairly massive section of fine crystal or coarse ash tuff. Sub-mm qtz-eyes are present, but are no more coarse than the other constituents. Weakly ser altered.
		89.0 to 95.5 Intensely altered section, very pale grey in colour, streaked with dark grey lenses and fol. parallel bands of silicification, usually <1cm thick but often closely spaced. 2-4% fine diss py. Minor fine gar and chl, and rarely tr sph, accompany the silicification.
		Sulphide mineralization here and elsewhere within the "well mineralized" portion of the hole is due to enrichment in the level of diss. sulphides, common hairline to sub-cm fillings in areas of fracturing and weak brecciation, and as rare fol. parallel seams to 1cm thick.
		98.45 to 99.05 Unbanded/bedded section with trace qtz-eyes, 1-3% very fine gar, and 2-3% very fine diss. py.
		Below about 99m, the rock resembles typical QID, but exhibits intermittent to fairly continuous zones of weak pervasive silicification with 2-3% garnets up to 1mm. This results in a med. to dark grey colour for the more strongly altered sections. As well, occasional 0.5-1.5cm wide med. green coloured chl-py fillings? occur from place to place. The "fillings" resemble

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
61.62	62.87	1.25	10	10	42	0.5	6
62.87	64.18	1.31	25	10	41	1.0	7
64.18	65.54	1.36	25	20	40	0.8	3
65.54	66.78	1.24	25	6	46	0.9	4
66.78	68.13	1.35	30	21	75	2.5	6
68.13	69.36	1.23	115	13	39	1.2	10
69.36	70.35	0.99	30	14	36	1.8	17
70.35	71.63	1.28	20	23	420	9.7	58
71.63	73.07	1.44	25	18	68	2.1	13
73.07	74.27	1.20	30	17	193	2.8	17
74.27	75.40	1.13	10	25	37	0.4	6
75.40	76.35	0.95	10	21	41	0.2	7
76.35	77.73	1.38	40	27	59	1.9	13
77.73	78.44	0.71	125	45	98	5.0	44
78.44	79.28	0.84	790	41	80	8.3	40
79.28	80.78	1.50	75	29	66	2.0	20
80.78	82.32	1.54	45	30	83	1.0	13
82.32	83.77	1.45	65	33	76	1.8	13
83.77	84.98	1.21	515	45	62	8.7	20
84.98	85.82	0.84	525	37	81	7.0	19
85.82	87.18	1.36	65	32	67	1.5	12
87.18	88.48	1.30	60	20	41	2.2	15
88.48	89.66	1.18	135	22	144	4.7	19
89.66	90.85	1.19	110	27	51	8.0	26
90.85	91.72	0.87	515	17	400	18.6	32
91.72	92.63	0.91	140	11	770	5.1	21
92.63	93.48	0.85	45	8	27	1.6	12
93.48	94.36	0.88	80	26	55	2.3	12

FROM	TO	LITHOLOGICAL DESCRIPTION
		pillow selvages in appearance, but are interpreted to be fractures or dilation zones subsequently modified by minor deformation. Green fillings persist to 127m. Unbanded.
	97.17	
97.77		111.25 - 10cm wide zone of minor faulting. Brecciated, with moderate calc and clay mineral alt, and a few main slips 2-3mm wide filled with "mud". Outer limits of the zone are at 45 and 70 deg to the CA.
		114.55 - 20cm core length with 60-75% grey-white qtz-calc veining, minor ep?, a few percent py and strongly chl altered wallrock for a few mm. Somewhat contorted, averaging about 35 deg to the CA.
		132.6 to 133.6 Pale grey moderately well bedded section at about 55-60 deg to the CA. Silicification is absent, but 1% fine to 2mm gar and minor chl are present. Includes a few 2-3mm fol. parallel py seams toward lower contact. 3-4% py.
		135.75 to 138.85 Moderately to strongly fractured, primarily at 40 -60 deg to the CA, perpendicular to oblique to the fol. which is about 55-60 deg to the CA.
		135.85 to 145.9 Shattered to brecciated interval with common hairline to 2-3mm wide calc+/-qtz fillings. Exhibits banding due to sub-cm, fol. parallel streaky silicification. 3-5% fine diss. py, with tr cpy noted at 139.3m. Includes a largely barren coarse white qtz vein from 145.2-

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
94.36	95.24	0.88	210	25	67	1.8	11
95.24	96.12	0.88	45	30	68	0.8	6
96.12	97.17	1.05	180	28	45	1.2	7
97.77	98.37	0.60	50	30	67	0.5	5
97.77	99.08	1.31	20	35	63	0.5	2
99.08	100.56	1.48	45	36	81	0.4	5
100.56	101.94	1.38	55	29	61	0.4	3
101.94	102.96	1.02	70	35	76	0.9	5
102.96	103.46	0.50	120	70	124	1.6	10
103.46	104.96	1.50	55	36	79	0.8	8
104.96	106.14	1.18	30	26	87	1.3	9
106.14	107.57	1.43	30	25	98	0.7	8
107.57	108.70	1.13	100	33	108	2.5	10
108.70	109.45	0.75	245	24	93	4.5	17
109.45	110.33	0.88	425	26	76	12.5	13
110.33	111.63	1.30	400	20	71	11.2	16
111.63	112.28	0.65	60	14	86	1.4	12
112.28	113.70	1.42	220	58	110	3.3	11
113.70	114.70	1.00	415	68	215	3.5	17
114.70	115.57	0.87	280	48	85	2.4	7
115.57	116.66	1.09	105	25	91	2.1	8
116.66	117.86	1.20	105	25	62	4.2	5
117.86	118.82	0.96	80	31	96	3.0	8
118.82	120.02	1.20	160	32	105	3.5	9
120.02	121.02	1.00	145	28	96	3.4	6
121.02	121.95	0.93	90	25	80	2.0	6
121.95	123.13	1.18	195	29	84	5.5	4
123.13	124.80	1.67	130	31	96	6.2	4

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		145.75m, containing tr py, chl, and tourm.	124.80	126.35	1.55	185	28	88	5.7	5
		Upper contact is 40-45 deg to the CA, lower contact is 30-35	126.35	128.05	1.70	105	25	62	4.2	5
		deg to CA. Both near perp. to fol. and are slightly irregular.	128.05	129.00	0.95	85	30	89	3.4	6
		Weak to mod. fracturing at 30-40 deg to the CA persists for	129.00	130.54	1.54	80	28	117	4.4	30
		only a few metres below 145.9m.	130.54	131.85	1.31	190	34	290	6.8	59
			131.85	133.10	1.25	190	35	129	4.2	7
		QID below the brecciated section appears typical of the "17	133.10	134.15	1.05	255	34	44	1.2	NIL
		Zone" dacites, but for the low sulphide level of only 1-2% py,	134.15	135.68	1.53	NIL	16	46	NIL	NIL
		and a weak to moderate chl-calc+/-ep alteration manifested as	135.68	137.20	1.52	15	18	66	0.2	NIL
		faint banding.	137.20	138.73	1.53	NIL	25	58	NIL	NIL
			138.73	139.45	0.72	15	215	48	0.2	NIL
			139.45	140.78	1.33	NIL	19	50	NIL	2
			140.78	141.73	0.95	NIL	23	53	0.2	NIL
			141.73	142.92	1.19	NIL	18	57	0.2	NIL
			142.92	144.13	1.21	NIL	17	47	0.2	NIL
			144.13	145.28	1.15	NIL	13	50	0.2	NIL
			145.28	146.26	0.98	NIL	7	41	0.2	NIL
			146.26	147.01	0.75	NIL	17	90	NIL	NIL
			147.01	147.83	0.82	NIL	17	106	NIL	5
			147.83	149.38	1.55	NIL	17	67	0.2	6
			149.38	151.02	1.64	NIL	19	75	0.2	2
			154.77	156.15	1.38	NIL	20	48	NIL	2
			156.15	157.40	1.25	NIL	19	81	NIL	5
			157.40	157.94	0.54	NIL	73	164	0.8	8
158.2	197.51	ALT'D QTZ-FSP DACITE/QTZ-FSP XTAL TUFF (QFD w Lap?/Q-F Xtal Tuff)	157.94	159.45	1.51	NIL	17	82	0.4	NIL
		Mottled to streaked light and dark grey, and a more uniform	159.45	161.03	1.58	NIL	11	71	0.2	NIL
		dark grey-green to the finer grained variety. Strongly altered	161.03	161.65	0.62	NIL	23	69	0.2	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		throughout (poss. devitrified glass) with diffuse to banded	161.65	162.95	1.30	NIL	14	82	0.2	NIL
		streaks and dark irregular bleb-like lenses of silicification.	162.95	164.40	1.45	NIL	10	65	0.2	NIL
		The dark altered streaks are often composd of 10-20% chl+/-		164.40	165.78	1.38	NIL	28	71	NIL NIL
		minor ep, and amph, and a subequal amount of calcite.	165.78	167.68	1.90	NIL	46	69	NIL	NIL
		Many parts of the unit are up to 1/3 dark material, presumed	170.60	171.62	1.02	NIL	22	50	NIL	NIL
		to be due to hydrothermal alt.during deformation, but poss.	173.80	174.20	0.40	NIL	6	23	NIL	NIL
		due to devitrification of glass shortly after formation.	174.20	174.58	0.38	NIL	7	53	NIL	NIL
		174.58	175.07	0.49	NIL	15	68	NIL	NIL	
		Contains about 5% qtz-eyes up to 2-3mm, both colourless and	175.07	175.64	0.57	NIL	4	92	NIL	NIL
		white, as well as a similar amount of fine whitish feldspar in	180.43	181.46	1.03	NIL	10	125	NIL	NIL
		many places. Occasionally pea-sized or slightly larger lapilli	181.46	182.88	1.42	NIL	14	62	NIL	NIL
		are evident, dacitic in composition and generally flattened to	182.88	183.95	1.07	NIL	20	68	NIL	NIL
		close to a 2:1 ratio.	183.95	185.23	1.28	NIL	19	63	NIL	NIL
		Groundmass is strongly bleached and slightly sericitized.	191.38	192.59	1.21	NIL	13	69	NIL	NIL
		About 1% fine diss py.	193.98	195.00	1.02	NIL	13	71	NIL	NIL
		Foliation ranges from 70-80 deg to the CA.								

168.7 to 182.72 Fine grained dark grey to black variety, with 2-3% qtz eyes to 2mm, and spotted with up to 10-15% altered fsp crystals up to 1x 3mm. Well foliated and less altered than the surrounding sections, but exhibiting a weaker more pervasive silicification with finer chl-calc clusters.
1% fine diss. py.
Includes a qtz vein from 158.65-159.35 with tr py, and *irregular, but more or less foliation parallel contacts.*
The vein occupies the upper contact of a weakly porphyritic fine to med. grained section of qtz-fsp crystal tuff.
Its contacts at 159.35 and 176.92m are fol. parallel at 65-70

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		deg to CA. Lower contact of the subinterval is abrupt and oriented at ~75 deg to the CA. 182.72 to 185.1 Similar to the section from 158.2-168.7m. 185.1 to 191.51 Similar to the section from 168.7-182.72m 191.51 to 197.51 Similar to the section from 158.2-168.7m, but weakly to moderately altered and apparently without any lapilli. Apparently formed in a lower energy environment and also much less deformed.								
197.51	242.03	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Similar to the previuos unit overall, but exhibiting much less variability in textures, composition, and alteration. Bleaching and silicification are weak, and this unit is perhaps the "freshest" and least altered encountered as yet in this hole. Typical composition is about 3-5% 1-2mm qtz-eyes, with up to 5-7% fine whitish fsp crystals present within the darker and finer sections, which may approach intermediate in composition. Groundmass varies from dark and aphanitic to almost a fine crystal tuff in places, where it is commonly weakly bleached and may contain 5-10% fine diss chl. Feldspars are partially altered to calcite. Trace to 2% fine py, commonest within the darker sections.	200.78	202.00	1.22	NIL	5	59	NIL	NIL
			202.00	202.81	0.81	NIL	48	51	NIL	NIL
			207.85	209.13	1.28	NIL	15	42	NIL	NIL
			209.13	210.40	1.27	NIL	8	50	NIL	NIL
			211.92	213.12	1.20	NIL	18	79	0.2	7
			213.12	214.32	1.20	NIL	17	56	NIL	NIL
			214.32	215.65	1.33	NIL	15	50	NIL	NIL
			215.65	217.22	1.57	NIL	10	56	NIL	NIL
			220.06	221.56	1.50	NIL	8	59	NIL	NIL
			226.55	227.51	0.96	NIL	NIL	59	NIL	NIL
			232.38	233.45	1.07	NIL	15	48	NIL	NIL
			235.77	237.10	1.33	NIL	8	56	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Foliation is mod. well developed and appears to parallel weak banding/bedding which is evident in places. Orientation is from 65-75 deg to the CA, usuallu 70 deg or more. The unit is strongly fractured throughout, recemented with hairline calc-qtz fillings. Fractures occur in all orientations, but 40-50 deg to the CA seems most frequent. A few narrow qtz veins occur subparallel to fol. at 201 and 203.4m, and one at 215.2m contains about 5% fine to med. grained py. 217.93 to 242.03 Below about 218m, the unit is often weakly banded due to bleaching over mm-cm wide zones along fractures and fol. parallel slips. A faint orange-pink tint to the bleaching suggests weak K-fsp altation. Up to 10-15% chl+/-calc is flecked throughout the darker material between bleached zones, but its presence may be due to primary comp. rather than to chloritization as a result of metasomatic alt.								
242.03	242.31	FINE MAFIC TO U.MAFIC ? DYKE (Maf-UM? Dyke, fg, alt'd) Somewhat similar to the dyke noted from 55.77-56.27m. Here weakly porphyritite with <2mm pinkish white fsp phenocrysts, and moderately to strongly chl-calc altered. Weakly to mod. magnetic. Trace fine py occurs mostly along fractures and near contacts, which are subparallel to fol. at 70 and 80 deg to the CA for the top and bottom respectively.	242.03	242.31	0.28	5	38	80	19.0	4

FROM	TO	LITHOLOGICAL DESCRIPTION
242.31	265.55	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Same as the unit above the dyke. Reasonably well banded due to bleaching contrasting with unaltered or weakly silicified medium grey zones--which usually contain appreciable diss. chl. Trace to 1% fine diss. py. 245.5 to 247.0 Light green in colour due to weak to mod. ser and sauss alteration, and containing about 60-66% vein qtz from veinlets up to 45cm in core length. Margins of the zone appear subparallel to fol. at about 45 deg to the CA, but evidence of folding and/or minor shearing is evident within.
265.55	265.93	FINE MAFIC TO U.MAFIC ? DYKE (Maf-UM? Dyke, fg) Very similar to the dyke from 55.77-56.27m, but with weak chl-calc alteration, and without obvious black porphyritic pyx/hb. Non-magnetic, containing tr py. Contacts crosscut foliation at 30-35 deg to the CA.
265.93	275.84	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Same as the unit above the dyke. Reasonably well banded due to bleaching contrasting with unaltered or weakly silicified medium grey zones--which usually contain appreciable diss. chl. Trace to 1% fine diss. py. Both above and below the dyke at 242m, low angle fractures are common, generally paralleling the dyke's contacts. Below

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
242.31	243.20	0.89	5	14	40	NIL	NIL
243.20	244.80	1.60	NIL	3	48	NIL	NIL
244.80	245.66	0.86	NIL	36	76	NIL	NIL
245.66	246.32	0.66	NIL	14	75	NIL	NIL
246.32	247.07	0.75	NIL	10	33	NIL	NIL
247.07	248.18	1.11	NIL	18	47	NIL	NIL
248.18	249.65	1.47	NIL	24	44	NIL	NIL
249.65	250.70	1.05	NIL	21	60	0.2	NIL
253.78	254.72	0.94	70	7	56	NIL	NIL
258.26	259.44	1.18	NIL	24	43	NIL	NIL
263.05	264.23	1.18	NIL	7	43	NIL	NIL
264.23	265.50	1.27	NIL	4	42	NIL	NIL
265.50	265.88	0.38	NIL	3	89	NIL	NIL
265.88	267.28	1.40	NIL	13	38	NIL	NIL
270.96	272.40	1.44	NIL	21	45	NIL	NIL
272.40	273.85	1.45	NIL	17	48	NIL	NIL
273.85	274.77	0.92	NIL	5	54	NIL	NIL
274.77	275.84	1.07	NIL	3	44	0.2	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		about 269m, the fol. begins to deflect to 40-45 deg to the CA, perhaps suggesting proximity to a larger mafic body whose emplacement may have modified foliation orientations locally, and may also be responsible for the very widespread silicification and chl-calc alteration encountered in this hole.								

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
15.24	-49.00	4.00
91.44	-44.50	8.00
158.50	-40.50	9.00
228.60	-35.00	13.00
275.85	-33.00	13.50

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9665
Collar Eastings: -300.00
Collar Northings: -610.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -65.00
Grid Bearing: 360.00
Final Depth: 269.44 metres
1.5m SMSS-MSS intersection ending at 192.55m.

Logged by: C.A.WAGG, 04/12/96
Date: 27/11/96-02/12/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
0.0	30.49	OVERBURDEN (Ovb) Mixed boulders encountered below about 21.3m.							
30.49	69.52	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Pale grey to grey-white, fine to med. grained. Contains 3-5% 1-2mm qtz-eyes on average, locally to 7-8% ranging from very fine to <3mm. Very well foliated, but generally non-banded. Strongly bleached and sericitized throughout, with weak calcite alt. locally. Contains on average 2-3% fine to very fine diss. py, with rare mm-wide fillings along fol. parallel fractures, and less common qtz-calc-py stringers to 1cm wide. Core is prone to failure during drilling along foliation/shear planes, and a few narrow zones of gouge-like material are present across a few cm at 37.1m, 39.0m, 39.1m, and 39.25m. 41.8 to 47.25 Strongly fractured section within which core has broken into fragments rarely exceeding 5cm in length. Failure along foliation planes is compounded by at least several long fractures cutting the CA at very low angles. Includes a cm-wide stringer-like zone of sil. and sulphides at approx. 43.13m containing 2 coarse crystals of galena about 3mm across. In addition, much of this section is pitted due to	35.45	36.55	1.10	85	10	73	0.3
			36.55	37.85	1.30	55	17	86	0.2
			37.85	39.25	1.40	155	11	83	1.4
			39.25	40.52	1.27	160	16	55	0.6
			40.52	41.77	1.25	195	21	220	2.8
			41.77	42.80	1.03	100	13	65	2.0
			42.80	43.30	0.50	2480	67	82	100.0
			43.30	44.38	1.08	1190	25	70	39.0
			44.38	45.41	1.03	125	23	52	3.7
			45.41	46.91	1.50	110	14	51	4.2
			46.91	48.46	1.55	85	17	44	4.9
			48.46	50.02	1.56	55	7	47	2.9
			50.02	51.51	1.49	170	14	153	10.5
			51.51	52.71	1.20	705	13	141	34.5
			52.71	54.03	1.32	65	15	58	10.8
			54.03	55.42	1.39	55	8	66	4.8
			55.42	56.10	0.68	80	5	46	10.2
			56.10	56.52	0.42	350	16	2100	80.0
			56.52	57.77	1.25	65	6	80	9.4
			57.77	59.30	1.53	55	11	58	5.6

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		dissolution of calcite on the core surface.	59.30	60.80	1.50	315	30	520	83.0
			60.80	61.98	1.18	100	22	93	17.6
		51.60 to 69.52 Notably less bleached--pale grey as opposed to	61.98	63.10	1.12	85	9	51	8.4
		whitish below this point, and weakly banded below about 61.5m,	63.10	63.70	0.60	125	32	124	19.5
		apparently faint bedding in places, but primarily due to ser	63.70	65.23	1.53	40	23	106	4.2
		alt. along shear surfaces. The banded section appears to	65.23	66.63	1.40	15	8	45	5.6
		contain from 5-15% bleached and calcite altered fine fsp and	66.63	68.28	1.65	20	17	240	3.8
		3-5% diss. to banded py, with the py bands typically fractions							
		of a mm thick and along CA parallel slips and fractures							
		Includes a 15-20 cm long, cm-wide qtz stringer with clusters of							
		fine brownish tour, filling a CA parallel tension gash at 63.6m.							
		Foliation varies from 55-70 deg to the CA, and is oriented at							
		65-70 deg at the lower contact, defined by the disappearance of							
		groundmass material and the cessation of banding.							
69.52	83.20	QTZ-FSP DACITE/CRYSTAL TUFF (Q-F Dac/Xtal Tuff)	68.28	70.34	2.06	10	23	64	1.0
		Pale grey to grey-green in a few places, generally med. grained.	70.34	71.70	1.36	10	35	111	0.5
		Appears, on the core exterior, to consist of over 60% fine	71.70	72.93	1.23	20	14	135	1.2
		mineral crystals, with fsp greatly predominant over qtz-eyes.	72.93	74.16	1.23	15	27	139	2.0
		Several weakly graded units are evident, with qtz-eyes	74.16	75.31	1.15	15	26	98	1.6
		progressing from sub-mm to 2-3mm down through the section.	75.31	75.86	0.55	40	36	94	3.8
		Feldspars are nearly indistinguishable on cut surfaces due to	75.86	76.83	0.97	60	70	192	8.0
		alt. (and deformation?). Consists of up to 8-10% qtz-eyes.	76.83	77.38	0.55	15	22	83	1.2
		Strongly to intensely bleached and ser altered, with a weak	77.38	78.85	1.47	25	86	67	0.6
		pervasive hem? alt. evident from 70.5-71.3m, strongest as	78.85	80.28	1.43	10	8	33	0.3
		staining of ser along fractures. 1-3% fine diss. py except as	80.28	80.94	0.66	3	3	51	0.2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		noted below.	80.94	82.21	1.27	3	3	19	0.2
		Foliation averages about 65 deg to the CA, increasing to 70 deg below about 81m.	82.21	83.15	0.94	3	8	35	0.1
		70.5 to 71.3 "Crackle breccia" fabric resembling tightly packed, flattened lapilli, or an anastomosing shear to some degree. The fracturing ceases abruptly at a cm-wide qtz stringer with calcite along both contacts, and a chl-gar alt. halo extending 2-3cm into wallrock on either side.							
		72.2 to 76.75 ALT'D Q-F DAC/XTAL TUFF (Alt'd Q-F Dac/Xtal Tuff) Section contains 3-5% gar up to 2-3mm, and exhibits weak chloritization and local patchy sil. 4-5% fine to med. grained diss. py. Includes a finer grained section from 74.6-75.48m, a little more greenish than the remainder of unit, with a 2cm wide veinlet at the top contact, and a 15cm wide vein at the lower contact. Both have irregular contacts which cut the CA at near 90 deg, relatively subparallel to the fol. at 60-65 deg to the CA. Both also contain minor chl and calc, as well as tr py.							
		76.75 to 77.05 30cm? core length vein of grey-white qtz, broken during drilling, with minor chl and tr py. Contacts appear fol. parallel at ~60 deg to the CA. Underlying rock is ground down to 77.4m. What remains exhibits very strong ser and some chl alt, and includes some fault gouge.							
		80.5 -A 1-2cm wide qtz stringer fills a tension gash which							

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	
		meanders along the CA for a length of about 30cm. It contains 10% to perhaps 15% pale blue kyanite as wheat sheaf clusters of crystals measuring up to 1mm by 10mm. Well bedded below this point on a 0.5cm scale or less, intensely bleached, with chl and ser enriched along "laminae" defining a crackle breccia fabric below about 81.8m. The laminae are definitely of tectonic origin as they affect a CA parallel stringer running from 82-82.45m which contains about 5% fine ky clusters and minor calcite.								
83.2	83.68	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Typical QID with 3-4% qtz-eyes to 2mm. 1-2% fine py. Mod. to strongly kspar altered over bottom 5-7cm. Contacts fol. parallel.								
83.68	90.35	GRADED ASH TO CRYSTAL TUFF (Gdd Ash-Xtal Tuff) Fine light to med. grey Ash Tuff with tr fine qtz-eyes, grading to a med. grained Xtal Tuff by 85.25-85.5m, and back to Ash Tuff within a zone of beroken core at about 89m. Very similar to the Q-F Xtal Tuff at 70m, but with only 1-2% small qtz-eyes. 2-3% fine py at the most. Includes a 2cm wide zone of fault gouge just above the lower contact, parallel to fol. at 68-70 deg to the CA, and a similar zone 50 cm above, at the top of a section of broken core extending to the intrusive below.	83.15	84.20	1.05	65	32	167	1.2	
			84.20	85.75	1.55	3	3	40	0.2	
			85.75	87.20	1.45	3	7	19	0.1	
			87.20	88.73	1.53	3	5	16	0.1	
			88.73	89.65	0.92	3	3	34	0.1	

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
90.35	91.4	MAFIC TO ULTRAMAFIC ? INTRUSIVE (M-UM ? Sill?) Medium green, fine grained, unfoliated. Weakly porphyritic. Faint phenocrysts to 1-2mm are presumably relict pyroxenes. Presumably substantially altered due to hydration during retrograde metamorphism to its present composition of a felted mass of fine amphiboles, with minor calcite and lesser chlorite. Trace fine py. Contacts lie within zones of broken core, but appear to be parallel to subparallel to foliation at about 65 deg to the CA. Includes a few randomly oriented calc filled fractures, and a few others with (earlier?) hairline qtz-calc fillings and bleaching for a mm or so into wallrock. This distinctive (ep-coloured) feature is typical of the fine grained dykes and marginal, generally unmineralized, "mega-breccia" rocks assoc. with the Cu-Ni bearing intrusive whose main mass lies to the west and slighly to the south of this hole. Also of note is the fact that the Sperry-Sun test taken approx. 3m below the dyke/sill experienced a magnetic deflection which gave a false azimuth for the hole of 300 deg. This suggests a strong (local) magnetic anomaly close to the hole and lying to the east to northeast. *-Add 4.5m to S.Sun depths for those below 130' because of footage tag errors.	89.65	90.70	1.05	3	4	105	0.3

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
91.4	92.36	ASH TUFF (Ash Tuff) Identical to the fine grained upper and lower parts of the interval preceding the intrusive. Very well foliated, but not appreciably bedded except just above lower contact. Trace to 1% very fine py. Less sericitized or perhaps weakly silicified.	90.70	91.76	1.06	20	24	59	1.0
92.36	98.63	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Fairly typical QID with 1-2% scattered qtz-eyes to 2mm. Pale grey, moderately sericitized and silicified. 3-5% very fine diss. py which also occurs as tiny streaks/lenses with sph filling cracks and fol. parallel tension gashes. Rare, very dark grey patches of "silicification" to 1cm by 3cm usually contain py, sph, and abundant fine gar--occasionally to 2mm. Up to 1/2-1% sph over several 30cm sections. Foliation varies from 65-75 deg to the CA.	91.76 92.75 93.55 94.18 95.33 96.51	92.75 93.55 94.18 95.33 96.51 97.72	0.99 0.80 0.63 1.15 1.18 1.21	515 570 1180 1020 300 540	15 28 35 40 23 20	485 830 100 1400 970 1450	1.3 3.6 9.6 12.0 4.2 2.6
98.63	98.98	DIABASE DYKE (DIAB) Pale grey-green--quite similar to the colour of grey andesite--with sharp, planar, gently crosscutting contacts oriented at 45 and 55 deg to the CA at top and bottom respectively. Strike of the dyke and that of foliation would be very close, while foliation is at a 20 deg greater angle to the CA. Non-magnetic. Contains about 2% subhedral to anhedral white fsp crystals, about 1mm across, in addition to tiny laths which	97.72	98.65	0.93	2040	37	2750	4.0

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		are much smaller.							
98.98	109.75	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	98.65	99.36	0.71	135	64	1850	0.8
		Very similar to the material prededing the Diabase, down to	99.36	100.68	1.32	420	12	1700	0.8
		100.69m. Includes py-sph filling fractures and/or dilation	100.68	102.12	1.44	160	27	900	0.7
		zones at levels of 3-4% in total py>sph.	102.12	103.60	1.48	1280	19	1700	1.9
			103.60	104.18	0.58	2150	8	730	6.0
		100.69 to 110.65 Banded, possibly initially bedded	104.18	104.95	0.77	1050	21	860	5.2
			104.95	105.57	0.62	230	76	4000	2.9
		Material downhole is similar to 98.98-100.69m, with patchy	105.57	106.30	0.73	420	48	2700	4.4
		zones of silification ehxibiting boudinaging and folding due	106.30	107.21	0.91	940	44	3400	4.4
		to shearing. Also several cm-wide veinlets show indistinct,	107.21	108.58	1.37	230	52	1850	5.3
		diffuse contacts, essentially grading into zones of qtz-							
		flooding or silica-replacement carrying garnet and fine chl.							
		104.97 to 109.75 ALT'D QID/ASH TUFF (Alt'd QID/Ash Tuff)							
		Strongly altered section of QID with intense sil. and strong							
		mineralization above 107.2m, strongly sericitized and with							
		weak sil. below. Qtz-eye content is 3-4%, slightly less within							
		the homogeneous section below 107.2m							
		Tr-2% fine gar occurs in places throughout. 4-5% py, 1-2% sph							
		above 107.2m, 3-4% py, tr-1% below. Sph and some py fill							
		fractures and tension gash-like dilation zones assoc. with sil.							
		Foliation is variable from 65-75 deg to the CA.							

FROM	TO	LITHOLOGICAL DESCRIPTION
109.75	123.7	ASH AND CRYSTAL TUFFS (Ash+Xtal Tuffs, bdd?) Pale grey interbedded units of fine generally unbanded Ash Tuff with tr fine qtz-eyes, and banded to bedded Xtal units often with 2-3% qtz-eyes up to 2-3mm. Any fsp present has been destroyed by alt. processes. Banded sections exhibit 1-2mm thick laminae with a dark greenish colour due to the presence of diss. fine chl and ser. These may be the result of shearing along bedding planes, or may be entirely the result of deformation. Silicification, accompanied by chl and gar is particularly evident at 118m, 120m, and 121.7m, and considerable chl is present within a narrow zone of "crackle breccia" found just below the contact between Ash and downhole Xtal at 117m. Foliation is generally about 70 deg to the CA. The banded sections resemble units previously encountered at 70.5m, and 85.5m. 123.32 to 123.39 MAFIC TO ULTRAMAFIC DYKE (M-UM Dyke) Similar to dykes of this unit encountered previously in this hole. Pale grey and almost entirely altered to calc +/- talc, amph, and minor chl and biot. Upper contact is fol. parallel at 70 deg to the CA, lower contact is slightly irregular and is at 75-80 deg to the CA.
123.7	128.8	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) More or less typical QID, commonly with 3-4% qtz-eyes to 2mm,

ASSAYS						
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
108.58	109.91	1.33	470	306	5500	4.0
109.91	111.26	1.35	20	16	27	0.4
111.26	112.85	1.59	20	30	65	0.4
112.85	114.08	1.23	65	16	25	0.3
114.08	115.66	1.58	10	12	44	0.2
115.66	116.84	1.18	3	14	57	0.1
116.84	117.88	1.04	20	24	210	0.6
117.88	119.03	1.15	30	30	176	0.9
119.03	120.52	1.49	55	22	98	0.8
120.52	121.57	1.05	160	62	140	1.4
121.57	121.91	0.34	45	16	148	0.6
121.91	123.31	1.40	20	23	126	0.6
123.31	124.33	1.02	105	53	154	1.2
124.33	125.10	0.77	110	22	97	1.2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	
		and generally unbanded aside from ser +/- chl laminae which	125.10	126.28	1.18	40	16	35	1.2	
		appear to be due to shearing.	126.28	127.58	1.30	40	17	68	1.1	
		Intensely sil for the top 1m of the interval, containing 3-4%	127.58	128.80	1.22	660	22	150	3.3	
		gar up to 3mm. Also common are dark grey to whitish qtz								
		stringers to 5mm thick. The dark variety exhibit chl alt.								
		along their contacts and contain common gar and diss. py.,								
		and are crennulated to ptygmatically folded. The white variety								
		appear younger, cut the CA at about 30 deg, and exhibit minor								
		offsets and drag folds along shear planes.								
		4-5% fine diss py within this section.								
		Below 126m, 3-4% fine py and tr-1% gar are present. Strongly								
		ser alt. and with weak sil. in places.								
128.8	149.0	ALT'D QID w LAPILLI/ LAPILLI TUFF ? (Alt'd QID w Lap./Lap. Tuff ?)	128.80	129.95	1.15	215	25	45	2.8	
		Similar to typical QID in colour, banded primarily due to	129.95	131.44	1.49	95	17	29	1.8	
		shearing and alt., with strong patchy to weaker pervasive sil.	131.44	132.85	1.41	300	54	70	2.8	
		present throughout, and containing "common" resdily identifiable	132.85	134.36	1.51	940	65	235	6.0	
		lithic fragments to 2-3cm in diameter in places, but usually	134.36	135.81	1.45	530	58	365	5.0	
		1-2cm. Contains 5-7% qtz eyes, occasionally to 3-5mm, and in	135.81	137.28	1.47	300	29	240	2.8	
		places to 10% levels. Lapilli are clearly evident just below	137.28	138.76	1.48	240	24	226	1.8	
		the top contact, several at 129.65 resemble rhyolite or vein	138.76	140.37	1.61	180	25	168	1.5	
		qtz, and an isolated large exotic fragment occurs at 139m.	140.37	141.77	1.40	175	21	150	1.2	
		The presence of this 2-3cm beige to brownish fragment may	141.77	142.81	1.04	145	20	114	1.3	
		indicate that many of the pyritic "amoeboid" shaped lenses	142.81	143.65	0.84	65	11	42	0.9	
		of silicious material attributed to alt, are in fact lapilli.	143.65	144.14	0.49	175	20	120	2.9	
		Strongly to very strongly sericitized. 3-5% very fine diss. py.		144.14	146.00	1.86	200	20		56

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		Upper contact is controlled by offset along a fracture at 35-40 deg to the CA. Lower contact is fol. parallel.	146.00	147.52	1.52	140	25	120	2.2
			147.52	148.77	1.25	375	42	1100	3.4
		149.0 -Qtz-calc-chl?-py filled 1.5-2cm wide fracture at ~20 deg to the CA. Exhibits an unusual yellowish coloured alt. of adjacent wallrock for a few mm, poss. ep-sauss+/-barite?							
149.0	153.35	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	148.77	150.00	1.23	325	44	1950	3.4
		Similar to previous intersections of this unit, but perhaps	150.00	151.45	1.45	1240	350	2700	20.0
		weakly graded from fine with 1-2% small qtz-eyes at the top	151.45	152.90	1.45	270	110	3800	4.9
		to fine to med. grained with 2-3% slightly larger eyes. Strongly sericitized, no gar, with 5-7% py as finto med. grained disseminations and as aggregates to >1cm.							
153.35	156.65	MAFIC TO ULTRAMAFIC DYKE (M-UM Dyke)	152.90	153.53	0.63	255	52	4550	1.3
		Similar to the large dyke of this type at 91.0m. Dark green,	153.53	154.00	0.47	25	142	132	0.6
		fine grained and weakly porphyritic. Weakly sheared along	154.00	154.78	0.78	225	25	450	0.7
		its contacts with a faint brown-black colour likely due to	154.78	155.62	0.84	55	29	220	0.3
		fine chl and biot. Contains two dacitic xenoliths, the upper	155.62	156.55	0.93	3	70	200	0.5
		larger one from 154-154.78m possibly a qtz-fsp porphyry dyke with diss. py and a few percent 2mm gar (or Q-F Xtal). The main unit contains 3-5% fine diss. py throughout, is non-magnetic, and contains a few percent fine scattered qtz-eyes.							
		Upper contact is planar and 45 deg to the CA. Contacts of the upper xenolith are irregular, but generally parallel the fol. of							

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		the xenolith, which is ~70 deg--the same as the country rock. The lower inclusion is only 5cm thick and oriented at 10-15 deg to the CA, with very sharp contacts. Lower contact is similar to the top one at ~30 deg to the CA.							
156.65	190.43	QTZ-EYE DACITE/CRYSTAL TUFF (QID/Xtal Tuff)	156.55	157.04	0.49	1360	50	880	5.0
		Pale grey, banded to some degree due to alt. and py+/-sph	157.04	158.17	1.13	290	37	5200	2.7
		filling fol. parallel to crosscutting fractures. Qtz-eye	159.62	160.81	1.19	740	132	1000	3.7
		content ranges from 2-3% up to 7-8% in places. The interval	160.81	161.54	0.73	1020	54	3450	1.8
		may be weakly graded or composed of several subunits, but	161.54	162.14	0.60	1880	47	830	3.3
		alt. and deformation have rendered the pinpointing of contacts	162.14	163.57	1.43	825	50	4000	1.8
		difficult to impossible. Groundmass is fine to medium grained,	163.57	164.95	1.38	630	50	5600	1.3
		approaching Xtal Tuff in places and resembling the large	164.95	166.41	1.46	265	57	5000	1.7
		inclusion within the dyke a short distance uphole. Here	166.41	167.79	1.38	220	44	3950	1.2
		however, the feldspar is much less distinct.	167.79	168.86	1.07	700	59	3200	1.6
		Strongly ser altered, and strongly bleached in places. 1-3%	168.86	170.28	1.42	395	48	1800	1.9
		small to med. gar is common, with at least 4-5% py, tr sph	170.28	171.28	1.00	375	80	2150	2.4
		on average, primarily diss. above 167.5m.	171.28	172.26	0.98	480	123	200	4.3
		Foliation is commonly 70-80 deg to the CA.	172.26	173.50	1.24	1000	160	355	7.0
			173.50	174.46	0.96	1160	164	400	7.5
		167.5 to 175.5 Strongly bleached and well mineralized section	174.46	175.56	1.10	655	198	298	6.2
		with fracture filling py-sph. 7-8% py, <1-1%sph. 1-2% 1-3mm	175.56	176.62	1.06	485	37	95	2.6
		gar.	176.62	178.00	1.38	605	166	820	4.5
			178.00	179.40	1.40	1310	105	1650	3.8
		176.0 to 182.25 Dark grey, chlorite-bearing (from alt.) section	179.40	180.65	1.25	810	56	325	2.6
		fining slightly toward the bottom of the subinterval. 1-2% fine	180.65	181.77	1.12	1380	57	179	2.4
		gar throughout, with 4-5% py, about 1/2 from non-planar	181.77	182.80	1.03	435	35	1550	3.2

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		fracture fillings.	182.80	183.95	1.15	485	32	850	1.8
			183.95	185.10	1.15	325	52	2200	1.2
		Below this point the interval consists of interbedded typical	185.10	186.20	1.10	140	51	2500	0.8
		QID (with fine g.mass) and narrow sections of material	186.20	187.39	1.19	375	45	1050	1.6
		resembling the main unit (above 167.5) Garnet decreases,	187.39	188.34	0.95	380	106	190	1.6
		occurring only sporadically and at levels <2%, and sulphide	188.34	189.40	1.06	270	105	1250	1.6
		content is 3-5% py, tr sph.	189.40	190.43	1.03	460	119	2600	2.4
190.43	197.6	MAFIC TO ULTRAMAFIC INTRUSIVE (M-UM Intrusive)	190.43	191.48	1.05	25	NIL	NIL	NIL
		Medium green, fine to medium grained and weakly porphyritic to	191.48	192.85	1.37	30	NIL	NIL	NIL
		porphyroblastic. Consisting of about 30-35% 1-2mm dark green	192.85	194.26	1.41	20	NIL	NIL	NIL
		subhedral to anhedral crystals, likely pyroxenes largely altered	194.26	195.58	1.32	35	NIL	NIL	NIL
		to hornblende, suspended within a fine, pale green, strongly	195.58	196.11	0.53	360	16400	NIL	29.1
		chl-calc altered groundmass. A weak foliation is evident in	196.11	196.48	0.37	870	30800	NIL	58.8
		places, more or less parallel to the orientation of the upper	196.48	197.18	0.70	840	17300	NIL	39.4
		contact at 30 deg to the CA. Other than chilling over about a	197.18	197.51	0.33	600	10200	NIL	15.8
		cm at the top contact and a few isolated blebs of py at 191m							
		and below (<1% overall), no mineralogical or textural gradation occurs							
		before a sharp boundary with the subunit described below.							
		This section appears similar to the upper portion of the M-UM							
		intersection in hole NR 96-51 (50m to the West), and bears							
		some resemblance to the upper portions of the large body located							
		between lines 5W and 7W (spotted with altered pyx), although							
		here it is finer grained.							
		195.58 to 196.48 SEMI-MASSIVE SULPHIDES (SMSS)							

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm
		Abrupt transition to rock containing from 50-75% diss. to net textured sulphide. Although the contact is neither razor sharp nor perfectly planar, it is reasonably regular and approximates 50-55 deg to the CA. At first glance the rock appears to be simply a version of the previous unit with sulphides as the groundmass. The section is actually almost identical to the well-mineralized but non-massive material from hole NR 95-34. Contains about 7-10% (recrystallized?) py, often twinned; 1-2% fine cpy, enriched at both contacts, but much more so at the bottom; and 40-60% po, generally interconnected between the silicates present and intermixed with fine calcite. Approx. 30-40% of the section consists of fine subhedral pyx and its alteration products, quite likely along with a few percent altered olivine occurring with calc and po. The lowermost 10-15 cm of the section contains up to 20% cpy and the silicates present are fine as though chilled. The section seems to truncate with a cm-wide band of cpy and a 3-4cm diameter inclusion/xenolith of the overlying subunit, sandwiched against massive po. The contact is relatively smooth, appears intrusive, and is at 43-45 deg to the CA. 196.48 to 197.22 MASSIVE SULPHIDES (MSS) Massive po containing 10-15% fine to coarse recrystallized py (identical to that in NR 96-51) occurring as trains of small euhedral grains defining foliation or perhaps flow banding, Some of the coarser py is twinned or occurs as distinctive six							

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
		sided euhedral crystals. Also containing 3-4% fine cpy, almost all rimming or closely associated with the py, and up to 7-8% fine altered? olivine, commonest within the upper half of the section. At the lower contact, a small xenolith of dacite, and several smaller fragments of the underlying M-UM illustrate sulphides percolating into cracks in the footwall. A few partly annealed fractures can be traced across the next subunit and into the footwall dacite for 10-15cm. The lower contact of the massive section is somewhat irregular but seems generally parallel to the foliation in the underlying subunit at 60-65 deg to the CA. 197.22 to 197.6 Fine M-UM Intrusive. Reasonably similar to the section from 190.43-195.58, but finer grained, containing 8-10% recrystallized py, tr-1% cpy, <1% po and moderately sheared and strongly chloritized above 191.2m. Contains tr-1% fine blue-white qtz-eyes. Lowermost contact of the body is altogether unremarkable, and approximates 65-70 deg to the CA, subparallel to oblique to the foliation orientation in the underlying dacites.							
197.6	269.44	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	197.51	197.81	0.30	655	3700	600	5.0
		Similar to the material preceding the M-UM Intrusive.	197.81	199.21	1.40	150	186	156	0.4
		5-7% qtz-eyes on average at top of unit. Strongly ser alt.	199.21	200.38	1.17	65	26	100	0.6
		and mod. to strongly bleached. <1% gar to 2-3% locally.	200.38	201.28	0.90	160	32	135	0.8
		5% diss to fracture filling py, with tr sph in places.	201.28	202.71	1.43	95	23	116	0.8

FROM	TO	LITHOLOGICAL DESCRIPTION
		202.71 204.19
		Foliation is variable from 65-75 deg to the CA.
		210.8 to 215.85 Fine QID/Ash Tuff
		Fine grained, med. grey, with tr to 1% qtz-eyes to 1mm. Somewhat banded just below contact with dark garnet rich silicified bands to 2 cm wide. Garnet content can exceed 10-15% within the dark bands. 3-4% fine gar on average for the section. Strongly to very strongly ser alt., with local patchy sil. 3-4% fine diss. py. Fracture fills are rare and narrow.
		215.85 to 220 QID, banded similar to the preceding subunit, with dark streaks and patches within a very pale grey strongly ser alt interval. 5% qtz-eyes to 3-4mm, and 5-7% fine to med. grained diss. py.
		Foliation is 70-75 deg to the CA.
		Below this point weak pervasive sil. is not uncommon, usually accompanied by a few percent fine diss. chl. Trace gar is evident in places, and py content varies from 1% overall to 2-3% locally over 1-2m. There are no qtz stringers or fracture filling sulphides present, and very little variation in grain size or textures within the interval.

			ASSAYS		
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
1.48	100	25	151	1.6		
204.19	205.20	1.01	565	17	550	4.4
205.20	205.70	0.50	685	18	134	3.8
205.70	207.17	1.47	190	9	93	2.6
207.17	208.48	1.31	220	19	370	3.6
208.48	209.95	1.47	175	15	205	4.0
209.95	210.59	0.64	300	34	250	4.2
210.59	211.03	0.44	1920	70	21000	75.0
211.03	212.04	1.01	120	19	205	4.4
212.07	213.27	1.20	65	22	158	1.3
213.27	214.57	1.30	115	29	117	1.6
214.57	215.79	1.22	25	25	167	1.1
215.79	216.98	1.19	130	18	410	5.2
216.98	218.06	1.08	110	13	160	2.2
218.06	218.82	0.76	115	25	121	1.6
218.82	219.94	1.12	30	44	60	1.0
219.94	221.08	1.14	3	18	73	0.1
221.08	222.35	1.27	3	9	50	0.1
222.35	223.72	1.37	3	12	65	0.1
223.72	225.24	1.52	3	17	74	0.2
225.24	226.77	1.53	5	54	66	0.2
226.77	228.29	1.52	10	41	54	NIL
230.35	231.85	1.50	10	56	72	0.3
237.05	238.37	1.32	3	22	68	0.2
238.37	239.45	1.08	15	34	75	0.1
242.53	243.55	1.02	3	27	79	0.1
250.17	251.70	1.53	25	24	62	0.1
257.85	259.15	1.30	35	52	67	0.2

FROM	TO	LITHOLOGICAL DESCRIPTION

ASSAYS						
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm
266.40	267.93	1.53	90	98	90	0.7
267.93	269.44	1.51	90	78	88	0.8

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
39.62	-57.00	1.00
89.61	-54.50	2.00
147.52	-47.00	3.00
205.44	-44.00	4.75
260.30	-41.50	7.00
269.44	-41.50	7.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9666
Collar Eastings: -241.00
Collar Northings: -597.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -65.00
Grid Bearing: 360.00
Final Depth: 286.81 metres
Hole was deepened 235.3-286.61 03/03/97-04/03/97Logged by S.Warner 04/03/97

Logged by: C.A.WAGG, 11/12/96
Date: 04/12/96-10/12/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
0.0	34.44	OVERBURDEN (Ovb)									
34.44	40.57	ASH TUFF TO FINE CRYSTAL TUFF (Ash-Fine Xtal Tuff, bdd) pale grey to grey white, well banded/bedded? on a 1/2cm to cm scale, with mm to fractions of a mm thick chl-rich laminae. They appear to be anastomosing shear surfaces parallel to subparallel to the foliation. Contains tr-1% mm or smaller qtz-eyes. Likely about 7-8% chl overall. Strongly ser altered, with 1-2% very fine py. Foliation is at 55-60 deg to the CA. 36.45 to 36.55 Fine Mafic Sediment? Fine grained, dark green to brownish green, and appears to include minor cherty material within the upper half of section. Strongly to intensely chloritized elsewhere. 3-5% fine py, associated with the chert?. Foliation and contacts parallel that of the country rock.	34.44	37.19	2.75	35	11	89	0.4	2	NIL
			37.19	38.77	1.58	NIL	6	28	NIL	NIL	NIL
40.57	43.53	FINE CRYSTAL TUFF (Xtal Tuff, fg) Well foliated but unbanded section with two ten cm thick beds of fine homogeneous ash just below the top contact, and about 10% ? very fine qtz-eyes throughout the remainder. The bulk	42.37	43.46	1.09	NIL	14	30	0.3	2	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		of the rock appears to be composed of very fine sericitized fsp. Strongly ser altered, with a few large (one to 5mm) garnets below 42.75m, increasing to 3-4% about 2mm in size near the lower contact. 1-3% fine diss. py. Foliation is 60 deg to the CA.									
43.53	49.3	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Medium to light grey QID with 5-7% qtz eyes commonly to 2mm, and rare sub-cm dacitic lapilli. Appears to contain up to 3-4% fine fsp, particularly toward bottom of interval, replaced by calc, qtz, and ser. Strongly ser alt. with moderate sil in places. Contains 3-4% gar up generally about 1mm in diameter. 3-5% fine diss. py. Foliation is 60-65 deg to the CA.	43.46	44.92	1.46	30	18	44	2.2	7	NIL
			44.92	46.06	1.14	10	14	55	1.6	6	NIL
			46.06	47.53	1.47	35	29	96	11.0	57	NIL
			47.53	49.05	1.52	20	27	119	5.5	22	NIL
49.3	49.78	ASH TUFF (Ash Tuff) Fine pale grey unit with intense ser alt and <1% qtz eyes, all about 2mm. May include a few sericitized relict fsp phenocrysts of similar size near the lower contact. Tr-1% very fine py. Top contact is about 20 deg to the CA, crosscutting the foliation appreciably, while the lower contact is precisely parallel to fol. at 65 deg to the CA.									
49.78	63.05	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Very similar to the interval preceding the Ash Tuff unit.	49.05	49.84	0.79	25	15	73	3.2	7	NIL
			49.84	51.32	1.48	70	23	154	9.5	44	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9666

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		This interval includes several 0.5-2.0cm thick qtz veinlets	51.32	52.87	1.55	130	24	177	15.0	82	NIL
		from 52-56m, most with minor py and chl+/- minor tour.	52.87	54.31	1.44	105	29	160	13.2	80	NIL
		They are at 25-40 deg to the CA, oblique to the fol. as opp.	54.31	55.81	1.50	95	34	235	13.3	106	NIL
		to perpendicular.	55.81	57.24	1.43	125	30	425	22.5	105	NIL
		Below 56m, there is an increase in gar content to 3-5% most	57.24	58.67	1.43	100	32	235	16.2	126	NIL
		2mm, but some to 5-6mm, down to 59.6m. A single qtz veinlet	58.67	59.84	1.17	150	36	370	48.0	240	NIL
		at 58.2m, sim. to the others, contains abundant coarse garnet.	59.84	60.74	0.90	195	50	370	40.0	220	NIL
		Weakly bleached and evenly sericitized below this point.	60.74	61.74	1.00	215	43	132	16.2	83	NIL
		3-5% fine diss. py overall, with tr sph noted in two places.	61.74	63.05	1.31	130	40	80	6.5	21	NIL
		62.0 to 62.18 MAFIC DYKE (Maf Dyke)									
		Fine grained, med to dark green, unfoliated. Appears gabbroic									
		rather than tuffaceous. Moderately calc and chl alt.									
		Contacts are at 60 and 45 deg to the CA.									
63.05	63.6	MAFIC TO ULTRAMAFIC ? DYKE (M-UM? Dyke)	63.05	63.49	0.44	NIL	8	115	0.4	NIL	NIL
		Very similar to the fine grained dyke a short distance uphole.									
		Weakly porphyritic toward both contacts, fine toward the centre.									
		Moderately calc alt., and moderately to strongly chloritized,									
		more so toward the lower contact. Non-magnetic, tr py.									
		Contacts are foliation parallel at ~55 deg to the CA.									
		A few 2-3cm thick zones of fault gouge above and below the									
		mafic dykes, parallelling foliation. As well three of the four									
		dyke contacts were broken by drilling, suggesting at least									
		minor fracturing.									

FROM	TO	LITHOLOGICAL DESCRIPTION
63.61	116.17	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff) Similar to the interval preceding the dykes, but with only tr gar in places. Very well foliated at 60-65 deg to the CA, and well sheared and alt. in appearance. 3-5% fine diss. py. At about 68.7m, there is a transition to a sequence of weakly graded tuffs composed of QID with 1-3% qtz eyes, and the occasional section of (slightly coarser) Xtal Tuff with tr qtz-eyes to 2mm; gradually progressing through 3-5% and 5-7% qtz eyes, to 7-8% overall, possibly with rare small lapilli. Interspersed within the lower part of the interval are a few sections of medium grained crystal tuff with a few percent qtz-eye phenocrysts, generally strongly bleached, and mineralized with sulphides filling small tension gashes, or partly annealed to tightly folded fractures. "Contacts" are gradational, or rather indistinct due to strong alt. and deformation. Foliation progressively increases from about 60-65 deg at top of section to 75-85 deg to the CA near the lower contact. 74.3 to 88.8 Fine section of weakly bedded ash, strongly bleached and well mineralized from 78.85-83.30m with py, tr sph and rare tiny garnets along gash-like narrow dilation zones and annealed fractures. 7-8% fine py. Appears under the binocular microscope to consist of 15-20% very fine qtz-eyes in places. Includes the sole qtz-calc vein within the section below the

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
63.49	64.55	1.06	30	27	73	1.1	5	NIL
64.55	66.00	1.45	45	22	82	1.8	17	NIL
66.00	67.45	1.45	75	31	350	3.4	27	NIL
67.45	68.94	1.49	40	20	340	4.0	31	NIL
68.94	70.46	1.52	25	16	82	2.5	15	NIL
70.46	71.76	1.30	55	24	67	2.4	10	NIL
71.76	73.42	1.66	100	19	185	2.0	26	NIL
73.42	74.30	0.88	80	18	375	2.0	28	NIL
74.30	75.00	0.70	95	27	2250	5.1	12	NIL
75.00	76.20	1.20	15	15	26	1.5	8	NIL
76.20	77.42	1.22	10	24	28	1.8	12	NIL
77.42	78.75	1.33	10	14	26	1.3	12	NIL
78.75	79.72	0.97	30	22	155	1.6	8	NIL
79.72	80.70	0.98	25	19	57	1.5	5	NIL
80.70	81.68	0.98	20	21	78	1.4	3	NIL
81.68	82.60	0.92	100	27	21	2.0	4	NIL
82.60	83.70	1.10	40	24	130	1.7	11	NIL
83.70	84.80	1.10	35	13	27	0.8	3	NIL
84.80	86.22	1.42	20	18	13	0.7	3	NIL
86.22	87.77	1.55	20	17	14	1.0	4	NIL
87.77	89.26	1.49	15	14	7	0.7	6	NIL
89.26	90.86	1.60	100	29	123	1.7	37	NIL
90.86	92.55	1.69	115	23	74	1.4	16	NIL
92.55	93.81	1.26	125	27	116	1.4	19	NIL
93.81	94.09	0.28	65	14	58	1.4	11	NIL
94.09	95.54	1.45	75	25	57	1.2	10	NIL
95.54	97.00	1.46	75	18	46	1.0	12	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		mafic dyke. It occurs at 83.6m, and is 20-25cm thick. It is	97.00	98.44	1.44	55	21	33	0.9	5	NIL
		calcite rich at its margins and contains minor chl and tr-1%	98.44	99.92	1.48	55	27	35	1.0	6	NIL
		fine py. Contacts are quite irregular and the lower one is	99.92	101.38	1.46	65	26	100	1.7	12	NIL
		fuzzy indicating wallrock replacement.	101.38	102.87	1.49	60	33	57	1.6	9	NIL
			102.87	104.32	1.45	80	32	40	2.0	10	NIL
		Below this section weak silicification and tr garnet are common,	104.32	105.77	1.45	80	25	38	1.8	8	NIL
		as is the odd cluster of py crystals measuring up to 1-2cm in	105.77	107.25	1.48	75	30	58	2.7	9	NIL
		diameter or rare spots of sph, usually much smaller. 3-5% py,	107.25	108.73	1.48	140	29	102	5.6	13	NIL
		with tr sph locally.	108.73	110.19	1.46	215	41	65	7.4	17	NIL
			110.19	111.67	1.48	250	33	62	5.3	17	NIL
			111.67	113.15	1.48	320	81	1250	27.0	210	NIL
			113.15	114.60	1.45	255	28	110	5.4	36	NIL
			114.60	116.10	1.50	520	42	320	16.0	110	NIL
116.45	129.7	CRYSTAL TUFF (Xtal Tuff)	116.10	117.60	1.50	195	23	105	6.5	22	NIL
		Medium grained dacite Xtal Tuff with about randomly oriented	117.60	118.88	1.28	260	18	86	6.2	20	NIL
		to breccia-like fracturing in places throughout, and mm-thick	118.88	120.06	1.18	410	33	155	20.0	48	NIL
		concentrations of chl, ser, and py +/- calc along the fractures.	120.06	121.15	1.09	2570	68	1380	100.0	260	NIL
		Contacts appear fol. parallel at 70 deg for top, and 75-80 deg	121.15	122.07	0.92	630	33	188	22.0	51	NIL
		to the CA for the lower. About 5% diss. to banded py overall,	122.07	123.15	1.08	190	19	80	7.5	29	NIL
		with up to 7-8% over a few metre long sections.	123.15	124.32	1.17	205	45	90	7.0	20	NIL
			124.32	125.38	1.06	125	34	92	2.9	20	NIL
			125.38	126.49	1.11	110	30	89	2.8	20	NIL
			126.49	128.07	1.58	85	27	102	2.5	26	NIL
			128.07	128.97	0.90	160	60	116	3.9	38	NIL
			128.97	129.60	0.63	125	39	600	4.5	160	NIL
129.7	181.3	ALT'D QTZ-EYE DACITE/ASH TUFF (Alt'd QID/Ash Tuff)	129.60	130.40	0.80	110	39	345	6.0	190	NIL

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9666

FROM	TO	LITHOLOGICAL DESCRIPTION
		Mottled pale to dark grey, often streaky to banded. Strongly sheared and altered, with strong to very strong pervasive ser alt., and in most places strong fracturing to weak brecciation, with mm to cm wide qtz-calc fillings and chloritic alt. of the wallrock. Dark streaks and fol. parallel bands to a few cm thick are silicified (or the result of incipient migmatization) and generally contain "abundant" fine py and garnet. 3-4% mm diam. garnets and 5-7% fine py on average.
		The interval exhibits some variation in the percentage of qtz-eyes present , but is is difficult to determine whether this is due to grading, or to a number of discrete units.
		A few qtz veins to 15cm wide occur from 132.5-138m, containing minor chl and py, and with slightly irregular contacts oriented subparallel to fol., but are rare elsewhere. Narrow fracture fillings with calc are present everywhere, and fairly randomly oriented. Foliation is typically 70-75 deg to the CA.
		135.33 to 135.72 ASH TUFF
		Fine medium grey section devoid of qtz-eyes and significant fracturing or silicification. Tr-1% fine gar, 2-3% fine py.
		Tr sph occurs locally below about 144.5m
		154.6 ~10cm interval of fol. parallel slips with a 2-3cm wide band of gouge oriented parallel to fol. at 68-70 deg to CA.
		159.5 to 159.75 and

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
130.40	131.20	0.80	95	28	188	2.5	106	NIL
131.20	132.28	1.08	60	24	94	1.3	18	NIL
132.28	133.30	1.02	90	36	180	2.2	24	NIL
133.30	134.70	1.40	50	16	94	1.3	19	NIL
134.70	136.02	1.32	55	34	134	2.0	27	NIL
136.02	137.58	1.56	100	24	170	3.8	28	NIL
137.58	139.14	1.56	195	30	190	7.8	28	NIL
139.14	140.60	1.46	130	33	88	4.5	20	NIL
140.60	141.94	1.34	100	18	106	3.2	21	NIL
141.94	143.32	1.38	280	44	670	11.4	44	NIL
143.32	144.46	1.14	110	33	110	3.6	26	NIL
144.46	145.73	1.27	220	24	150	5.8	52	NIL
145.73	147.07	1.34	220	17	320	3.3	55	NIL
147.07	148.44	1.37	180	25	158	4.4	45	NIL
148.44	150.00	1.56	390	16	220	7.0	46	NIL
150.00	151.55	1.55	2850	26	220	50.0	47	NIL
151.55	152.85	1.30	55	19	95	2.1	21	NIL
152.85	153.89	1.04	120	23	115	2.8	30	NIL
153.89	154.94	1.05	385	20	110	2.9	23	NIL
154.94	155.86	0.92	370	14	620	6.4	120	NIL
155.86	157.16	1.30	420	19	1480	12.5	500	NIL
157.16	158.36	1.20	170	16	380	6.6	118	NIL
158.36	159.46	1.10	100	11	465	6.0	215	NIL
159.46	160.42	0.96	190	16	1160	8.6	124	NIL
160.42	161.52	1.10	165	44	3000	10.0	66	NIL
161.52	162.57	1.05	125	14	670	7.2	260	NIL
162.57	163.87	1.30	205	8	158	9.6	62	NIL
163.87	165.47	1.60	360	14	1850	12.2	320	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION
		160.3 to 161.8 A few fractures/slips at 30-35 deg to the CA, occur perpendicular to the fol., and several CA parallel, calc-filled hairline fractures have resulted in minor dilation along (fol. parallel) shear planes. In places, esp. at 161.05m, this has resulted in the development of structures similar toladder veins. At 161.05m, chl-py, minor sph and gar define fill the dilation zones. The well mineralized interval described next exhibits a few fractures and dilation zones in a similar orientation.
		166.5 to 181.3 Well mineralized interval with elevated diss. py and fine garnet throughout, and common py-sph fillings to 2cm wide within fractures and dilation/replacement zones. 7-8% py overall with up to 1% sph and 4-5% fine garnet. From 171.1-176.5m and 179.5-181.35m sulphides average approx. 10-12% py, 3-4% sph, with tr cpy and gal in places. A 10-15cm section at 171.45m contains 1% gal and tr cpy over 10-15cm, with the gal diss. and as a sub-mm thick seam along the contact of a CA parallel py-sph filled fracture.
181.3	185.0	CRYSTAL TUFF (Xtal Tuff f.gd.) Light grey, fine grained, with tr-2% qtz-eye "phenocrysts" <2mm, and up to 3-4% similar sized calc alt. fsp xtals. ~5% fine diss. py overall, with 30% sph over 10-15cm filling a few cm wide fol. parallel fractures at 183.8m. Moderately to strongly ser alt., and very well foliated at 75-80 deg to the CA. Upper contact appears to lie within the well

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
165.47	166.26	0.79	335	11	4200	12.6	1050	NIL
166.26	167.44	1.18	205	9	1300	6.4	320	NIL
167.44	168.82	1.38	275	11	225	3.6	100	NIL
168.82	169.96	1.14	295	27	2750	5.7	400	NIL
169.96	170.92	0.96	620	186	5800	5.3	28	NIL
170.92	171.44	0.52	235	200	8600	11.2	560	NIL
171.44	171.80	0.36	740	350	21800	127.0	17800	NIL
171.80	172.45	0.65	3250	1650	47300	32.0	310	NIL
172.45	172.95	0.50	2270	1100	98200	23.0	107	NIL
172.95	173.43	0.48	490	322	14900	11.6	29	NIL
173.43	174.59	1.16	295	70	5700	6.4	112	NIL
174.59	175.44	0.85	955	130	22400	11.8	550	NIL
175.44	176.48	1.04	290	74	6500	7.6	290	NIL
176.48	178.00	1.52	230	54	5900	10.0	290	NIL
178.00	179.53	1.53	305	37	6300	9.4	430	NIL
179.53	179.99	0.46	4180	1150	24600	24.0	2350	NIL
179.99	180.37	0.38	6770	106	5500	175.0	1750	NIL
180.37	181.57	1.20	225	22	300	7.6	103	NIL
181.57	182.88	1.31	250	25	220	6.8	52	NIL
182.88	183.66	0.78	170	15	375	5.7	90	NIL
183.66	184.28	0.62	1280	580	33900	384.0	570	NIL
184.28	185.00	0.72	1320	58	1100	103.0	150	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		mineralized brecciated section at 181m.									
185.0	235.30	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff)	185.00	186.60	1.60	70	17	136	2.2	22	NIL
		Typical QID, but rather dark in colour, and presumably	186.60	187.82	1.22	150	16	63	5.0	10	NIL
		relatively unaltered unless otherwise noted.	187.82	188.93	1.11	40	11	66	0.3	6	NIL
			188.93	190.08	1.15	45	16	65	0.3	4	NIL
		185.0 to 189.45 Graded section of strongly ser alt. and	193.24	194.72	1.48	5	38	94	0.3	5	NIL
		weakly silicified dacite. Groundmass is fine throughout, and	197.58	199.08	1.50	15	22	83	0.1	3	NIL
		qtz-eye content rises from 1-2% to 4-5%. Contains up to 5-7%	199.08	200.62	1.54	0	15	60	0.1	1	NIL
		py locally, but averages perhaps 3 4%. Sub-cm qtz-calc fracture	207.59	208.74	1.15	10	32	86	0.1	2	NIL
		fillings and bleached hairline fractures are common at low	208.74	210.22	1.48	0	19	68	0.1	1	NIL
		angles to the CA within this section, and one at 191.75m,	213.74	214.98	1.24	80	7	75	0.1	1	NIL
		consists primarily of a creamy white and transparent to	219.40	220.84	1.44	0	20	53	0.1	1	NIL
		yellowish and somewhat transparent mineral. It is quite hard,	223.72	225.12	1.40	0	25	67	0.1	1	NIL
		and likely a fsp, but possibly scheelite.	226.60	228.07	1.47	0	29	52	0.1	1	NIL
			229.81	231.27	1.46	15	66	55	0.2	1	NIL
		This section marks the lower limit of continuous sampling at	232.86	234.27	1.41	5	60	88	0.2	4	NIL
		the present time.									
		189.45 to 235.3 Typical QID, fairly dark in colour and often									
		with short intervals of 5-10% calc alt. fsp to 2-3mm in diam.,									
		the most notable being from 206.3-206.65m. Strongly fractured									
		throughout, with qtz-calc fillings from mm to a cm wide and chl									
		alt. margins. 3-5% qtz eyes to 2-3mm are also common throughout,									
		in places slightly higher. 1-2% fine py on average, locally to									
		2-3% over short sections. Foliation is ~80 deg to the CA down									
		to 214.5m, and about 65-70 deg below that.									

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		Below about 198.75m, occasional chloritized slips to a cm wide, and patchy zones up to core lengths of 8-10cm with perhaps 20% fine diss. chl and moderate calc alt. become fairly common. As well, offsets along fractures at <20 deg to the CA become common toward the bottom of the hole.									
		This feature of widespread chloritization along planes of brittle failure, coupled with the presence of abundant fracture filling base metal sulphides within the previous unit, suggests that the hole likely passed closely alongside and then beneath the M-UM body which it sought, probably near the anticipated depth of 186m.									
235.3	245.85	QUARTZ-EYE DACITE/ASH TUFF (QID/ASH TUFF)	243.02	243.88	0.86	10	15	50	0.2	NIL	NIL
		Dark grey to grey, fine grained groundmass. At the top and bottom	243.88	244.65	0.77	NIL	8	41	0.2	NIL	NIL
		of the unit, blue-grey quartz phenocrysts comprise 2-3% of the	244.65	245.65	1.00	NIL	11	38	0.6	NIL	NIL
		rock (< 5mm), and in between (see below) there is < 1% quartz eyes. Where the unit is enriched in quartz eyes there is widespread chloritic alteration that either occurs as a pervasive foliation (along with sericite), or as a patchy to mottled texture over cm scale intervals. There is also cm scale bands of moderate bleaching. Minor mm scale carb-quartz fractures occur throughout.									
		The unit contains 2-3% py that is found disseminated in the groundmass.									
		The foliation ranges from 70-75 deg to the CA.									

FROM	TO	LITHOLOGICAL DESCRIPTION
		239.49 to 243.02 Bedded Ash Tuff. There is <1% quartz eyes in a medium grey groundmass. The groundmass is relatively homogeneous, sericite-rich, and there is only minor chloritic alteration. The bedding planes are parallel to the foliation.
245.85	272.59	BEDDED QUARTZ-EYE DACITE (BDD QID) Grey to black, fine grained groundmass. Blue-grey quartz phenocrysts comprise up to 5% of the rock (< 5mm), and are distributed unevenly throughout. White feldspar phenocrysts are also distributed in the groundmass, but are less common. The unit may be weakly graded over m scale intervals (see below), and the concentration of quartz eyes in cm scale beds may be variable. The rock is moderately altered, and has a mottled and variable texture. There is spotted to patchy chloritic alteration over cm scale intervals; there may be associated carbonate alteration.. A pervasive foliation is sericite and chlorite-rich (roughly 5:1 ratio). There is also moderate to strong cm scale bleaching of the rock. Minor mm scale carbonate-quartz fractures occur throughout. The unit contains 3-4% py that occurs as finely disseminated grains in the groundmass, and in mm scale bands (up to 1cm) that are parallel to the foliation. The bedding contacts are 70-80 deg to the CA, and the foliation is parallel to the bedding. 245.85 to 248.8 XI TUFF. Dark grey to black, fine grained groundmass. Blue-grey quartz eyes comprise 3-4% of the rock (< 5mm), and are distributed evenly throughout the groundmass.

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
248.80	249.62	0.82	NIL	16	64	0.2	NIL	NIL
249.62	250.73	1.11	NIL	11	60	0.3	NIL	NIL
253.58	254.20	0.62	35	41	310	0.4	NIL	NIL
255.07	255.73	0.66	15	19	428	0.2	NIL	NIL
256.50	257.70	1.20	NIL	8	160	NIL	NIL	NIL
262.66	263.75	1.09	NIL	10	66	0.2	NIL	NIL
268.95	269.92	0.97	15	13	84	0.2	NIL	NIL
271.68	272.45	0.77	15	11	87	0.3	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		White feldspar phenocrysts comprise 3-4% of the rock (< 5mm) at the top of the interval, and decrease in concentration towards the bottom. The groundmass is chlorite-rich, and gradually grades into the texture and composition of the QID at the lower contact.									
		253.79 - 254.0 Py mineralization associated with carbonate and silica alteration. The interval contains 8-10% py that occurs as fine grained aggregates within a relatively wide zone or irregular patch of carbonate/silica alteration.									
		255.4 to 256.93 Graded bedded sequence. The top of the interval contains 1-2% quartz eyes, and they gradually increase to 3-4% near the bottom.									
272.59	276.63	BEDDED SILICEOUS SEDIMENTS (CHERT)	272.45	272.82	0.37	45	82	100	0.8	NIL	16
		Grey to pale grey cherty sediments that are interbedded with	272.82	274.00	1.18	25	23	140	0.3	NIL	6
		green to pale brown, altered chlorite and/or sericite-rich	274.00	274.87	0.87	75	29	100	0.7	NIL	10
		sediments. The unit has a well developed bedding, although the	274.87	275.70	0.83	20	17	92	0.3	NIL	NIL
		beds may have distorted and irregular contacts (primary or tectonic feature?). The beds alternate between chert and micaceous sediments on the mm to cm scale.									
		Unless described below, there is up to 2% fg py disseminated in the groundmass, and in mm scale bands that are parallel to the foliation. There is also tr po.									
		The bedding contacts are generally 75-80 deg to the CA, although they may also be sub-perpendicular to the CA.									
		272.59 - 272.67 The upper contact contains 2-3% po, 1% py, and									

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		tr cpy. The po occurs in irregular patches or blebs, and appears to be fracture controlled. Suggests that an UM body is nearby.									
276.63	286.81	ASH TUFF (BDD ASH TUFF) Medium to pale grey, aphanitic to fine grained groundmass. Grey quartz phenocrysts comprise < 1% of the rock. The rock is relatively homogeneous, and moderately altered, which is recognized by a silica rich groundmass (hard to scratch). A weak foliation is composed of mostly sericite and lesser amounts of chlorite (roughly 10:1 ratio). There is also mottled or spotted chloritic alteration, and strong bleaching over cm scale intervals. Moderate occurrences of irregular mm scale of dark (chlorite-filled?) fractures occur throughout. There are also minor carbonate fractures. The unit contains 2-3% py that is found disseminated in the groundmass, and in mm scale bands that are parallel to the foliation. Less commonly, the py may be in close spatial association with some of the chlorite-filled fractures. The foliation, and weak bedding contacts, are 75-80 deg to the CA. 279.45 to 280.46 XI Tuff. There are 4-5% quartz eyes (< 3mm), and up to 3% white feldspar in a fine to medium grained, and relatively chlorite-rich groundmass. The contacts are parallel to the foliation. 280.46 to 280.52 Bedded Siliceous Sediments. Consists of mm scale beds of alternating chert and chlorite-rich sediments.	275.70	276.64	0.94	15	19	100	0.4	NIL	NIL
			276.64	277.53	0.89	10	9	22	NIL	NIL	NIL
			279.98	280.80	0.82	40	20	780	0.3	NIL	NIL
			282.59	283.52	0.93	85	12	184	1.2	NIL	NIL
			285.64	286.81	1.17	115	9	150	1.5	NIL	NIL

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm
		Similar to the previous major chert unit. The bedding contacts are 75 deg to the CA.									
		281.01 to 281.34 XI Tuff. Chlorite-rich groundmass, but fewer phenocrysts than the previous XI tuff.									
		281.63 to 282.4 Interbedded Ash/XI Tuff. There are minor cm scale XI tuff beds with poorly defined contacts that gradually diminish towards the bottom of the interval. The XI beds have a chlorite-rich groundmass, and minor feldspar phenocrysts. There is also tr garnet associated with the chlorite. The contacts are parallel to the foliation.									

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
41.76	-61.00	359.00
51.80	-61.00	1.00
102.72	-51.50	0.50
121.90	-51.50	2.00
167.34	-45.50	3.00

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	As ppm

DEPTH	INCLINATION	BEARING
195.07	-45.00	3.00
224.02	-42.50	3.00
235.30	-42.50	3.00
280.40	-41.00	6.00
286.81	-41.00	6.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9667
Collar Eastings: -200.00
Collar Northings: -560.00
Collar Elevation: 0.00
Grid: Rich

Collar Inclination: -65.00
Grid Bearing: 360.00
Final Depth: 279.98 metres
deepened from 240.49-279.98m 02/03/97-03/03/97logged by S.Warner 03/03/97

Logged by: C.A.WAGG, 11/12/96
Date: 08/12/96-12/12/96
Down-hole Survey: Sperry-Sun

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm	
0.0	30.49	OVERBURDEN (Ovb) Into intermittent boulders of various compositions below about 10.3m, casing "kinked" to the extent that rods bind slightly within the casing.									
30.49	101.2	GRADED? QUARTZ-EYE DACITE/ASH TUFF (Gdd QID/Ash Tuff) Pale grey strongly sheared and altered sequence of interbedded reasonably well graded QID units, which typically progress from 2-3% 1-2mm qtz-eyes at the top of individual flows, to 7-8% (locally to 10%) 2-3mm qtz-eyes. Any fsp xtals which may have been present have been destroyed by strong to locally intense bleaching, ser alt., and pervasive to patchy silicification. The silicified patches are a pale grey variety, referred to in previous drill logs as lenses of remobilized silicious alteration products. Weak banding is present, but presumed to be due almost solely due to shearing. Trace garnet is present commonly from the top of the hole, increasing to 3-4% below 41m, generally abouy 1mm in diam. unless assoc. with a qtz veinlet filling a dilation zone. Strong silicification is common, usually as diffuse to distinct "amoeboid" lenses to 1-2cm wide, separated by sheared ser-calc rich material. Also common, and diagnostic of intense deformation are worm-like, occasionally boudinaged, qtz veinlets	30.49	31.47	0.98	20	30	55	2.0	6	
			31.47	32.69	1.22	20	37	158	2.2	5	
			32.69	34.67	1.98	20	29	185	2.4	6	
			34.67	35.57	0.90	95	42	90	6.0	6	
			35.57	37.20	1.63	40	22	142	2.3	5	
			37.20	38.51	1.31	30	24	64	1.5	4	
			38.51	39.56	1.05	25	23	62	1.2	12	
			39.56	41.15	1.59	25	22	114	0.9	22	
			41.15	42.40	1.25	20	33	630	2.2	162	
			42.40	43.55	1.15	30	36	1850	2.5	88	
				43.55	44.43	0.88	50	13	95	2.0	58
			44.43	45.36	0.93	60	20	125	3.2	32	
			45.36	46.75	1.39	65	22	90	3.7	32	
			46.75	47.75	1.00	50	28	113	4.7	47	
			47.75	48.77	1.02	45	23	98	4.0	23	
			48.77	49.72	0.95	120	29	88	3.2	17	
			49.72	51.05	1.33	40	29	73	3.2	12	
			51.05	52.52	1.47	35	25	84	3.4	15	

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9667

FROM	TO	LITHOLOGICAL DESCRIPTION
		filling small dilation zones. The veinlets are usually <1cm wide and <10cm long, oriented at about 10-30 deg to the CA; subparallel to the foliarion which ranges from 45-70 deg to the CA. Sulphide content is 3-5% finely diss. py, with rare "aggregates" of fine to med. grained py +/- calc and qtz to 1-1.5cm diameter.
		Lower contacts of individual flows, based upon an abrupt decrease in qtz-eye abundance, are recognizable at 35m, 38.9m, 52.05m, 59.52m. Other shorter intervals may be present.
		42.6 to 45.75 Trace sph in places, diss. and as hairline fol. parallel lenses. The section also exhibits coarser than average garnet.
		64.0 to 67.10 QID/Ash Tuff with 2-3% mm-sized qtz-eyes, and a fine, mod. ser altered and weakly sil. groundmass. 3-4% fine diss. py. Foliation is at 55-60 deg to the CA.
		70.27 to 86.65 Interval of QID typical of the main unit, but weakly bedded at top of section, and exhibiting common thin seams and streaks of py, primarily aligned with the foliation, but also "cementing" 10-15cm sections of crackle breccia and filling subconcordant to crosscutting tension gashes. Well bleached and with 4-5% py throughout. tr sph at 80.25m A long and sinuous mm-wide, chl-coated slip at low angle to the CA is present at 80.8m. Py content probably reaches 5-7% below 82.25m

ASSAYS							
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
52.52	53.40	0.88	30	25	97	2.8	23
53.40	54.15	0.75	30	25	110	3.5	16
54.15	54.86	0.71	40	24	73	3.2	14
54.86	55.96	1.10	65	29	75	4.8	17
55.96	57.06	1.10	100	29	116	7.5	21
57.06	58.53	1.47	80	18	60	3.6	15
58.53	59.91	1.38	70	20	48	1.6	10
59.91	61.02	1.11	65	22	47	1.2	10
61.02	62.05	1.03	40	25	50	1.0	9
62.05	63.30	1.25	45	33	44	1.3	5
63.30	64.40	1.10	70	17	32	0.8	5
64.40	65.75	1.35	55	25	32	1.2	5
65.75	67.08	1.33	65	29	32	1.3	5
67.08	68.58	1.50	70	19	34	1.2	5
68.58	69.76	1.18	115	24	28	1.3	3
69.76	70.73	0.97	80	24	92	1.1	2
70.73	71.62	0.89	50	14	53	0.5	3
71.62	73.00	1.38	120	21	52	1.0	7
73.00	74.00	1.00	30	26	36	1.2	6
74.00	74.89	0.89	50	23	38	1.3	9
74.89	76.27	1.38	65	23	96	1.8	7
76.27	77.30	1.03	35	17	48	2.6	7
77.30	78.13	0.83	25	13	32	1.4	6
78.13	79.17	1.04	40	14	32	2.0	6
79.17	80.42	1.25	65	20	132	2.6	6
80.42	81.60	1.18	65	19	245	3.7	13
81.60	82.75	1.15	100	30	80	4.5	8
82.75	83.76	1.01	85	20	41	3.2	6

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
			83.76	84.75	0.99	115	14	35	2.4	7
		86.65 to 89.48 Transition to a unit with more abundant qtz-	84.75	85.60	0.85	350	18	60	5.1	10
		eyes, a slightly coarser (approaching Xtal Tuff) groundmass, and	85.60	86.56	0.96	300	10	31	4.2	8
		weak to mod. chl alt. Calcite alt. relict fsp is also evident	86.56	87.84	1.28	35	9	34	0.8	7
		in places. 3-4% fine diss. py. Fol. is at 60-68 deg to the CA.	87.84	88.84	1.00	75	21	52	2.0	8
		Graded to some extent, reaching 8-10% qtz-eyes locally.	88.84	90.10	1.26	40	9	35	0.9	8
			90.10	91.12	1.02	235	9	36	4.0	16
		89.48 to 101.2 QID commonly with 3-4% 2-4mm or occasionally	91.12	92.18	1.06	325	30	200	8.5	116
		larger, and fairly similar in alteration and mineralization to	92.18	93.18	1.00	175	40	172	5.4	136
		the section from 70.27-86.65m, but with tr sph in places and	93.18	94.31	1.13	575	76	620	17.0	280
		rare mm-size garnet. Both contacts are fol. parallel at 60-65	94.31	95.42	1.11	21430	400	3400	100.0	2350
		deg to the CA.	95.42	96.37	0.95	450	48	350	14.0	280
			96.37	97.28	0.91	110	20	50	3.3	29
			97.28	98.50	1.22	85	19	30	2.0	19
			98.50	99.70	1.20	75	17	76	3.0	24
			99.70	101.04	1.34	60	22	77	3.1	16
101.02	103.85	FINE CRYSTAL TUFF (Xtal Tuff, fg)	101.04	102.38	1.34	100	20	96	3.0	15
		Fine, evenly coloured, pale grey. Moderately ser and calc	102.38	103.81	1.43	115	16	47	2.8	13
		altered, with 1-2% distinguishable small qtz phenocrysts.								
		3-5% very fine diss. py.								
103.85	143.30	BROKEN AND ALT. QUARTZ-EYE DACITE/ASH TUFF (Alt. QID/Ash Tuff)	103.81	104.61	0.80	430	32	164	12.5	78
		Typical pale grey QID with 1-3% <2mm qtz-eyes and a groundmass	104.61	106.08	1.47	570	36	188	18.2	66
		approaching fine crystal tuff. Moderately bleached and ser alt.	106.08	107.58	1.50	420	25	196	13.0	42
		throughout, with abundant fracturing and mm to several cm wide	107.58	108.68	1.10	370	30	186	18.0	90
		dark banding from silicification. The sil is accompanied by	108.68	109.74	1.06	675	19	228	23.0	58

FROM	TO	LITHOLOGICAL DESCRIPTION
		fine chl-calc spots. 4-5% diss py on average, with tr sph locally, and 2 "coarse" blebs of cpy noted at 116.4m Foliation is typically 60-70 deg to the CA, with fracturing commonly between 70 and 30 deg.
		In many places, notably from 107-113m, the interrelationship between alteration-mineralization and deformation is clearly evident. fracture fillings of calc +/- qtz,py from mm to a cm wide lie within haloes of dark coloured silicification, ususally with some fine py, chl, or gar. Many fractures also exhibit <1mm thick chloritization immediately adjacent to the calc rich fillings. Some strongly silicified sections to 20-25cm long appear brecciated, perhaps implying that silicification during shearing preceded fracturing in soms areas.
		116.5 to 120.85 Coarser grained section of crystal tuff with a few percent small qtz-eyes. Deformation within this section appears to have occurred more along shear-like slips as opposed to fractures, resulting in something resembling crackle breccia, with py concentrated along slips.
		Contacts of this interval are gradational. Below this point, the unit returns to a fine grained ash-rich QID with a few percent small qtz-eyes, moderate to strong banding from sil., and with fairly frequent calc +/-py fracture fillings, and thin chl alt. margins. 3-4% fine py, 2-3%fine garnet.
		132.8 to 135.6 Weakly fractured QID, somewhat graded, from

ASSAYS

FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
109.74	111.00	1.26	1280	20	880	35.0	108
111.00	112.02	1.02	705	30	292	24.0	124
112.02	113.21	1.19	695	19	182	26.0	126
113.21	114.30	1.09	685	22	105	7.5	27
114.30	115.73	1.43	480	25	112	11.2	31
115.73	116.45	0.72	8570	163	2150	100.0	480
116.45	117.60	1.15	1010	124	202	48.0	62
117.60	119.10	1.50	1800	19	162	39.0	53
119.10	119.99	0.89	650	21	326	21.0	190
119.99	120.67	0.68	400	22	112	20.0	48
120.67	121.80	1.13	345	18	130	13.4	37
121.80	123.44	1.64	185	40	168	9.0	30
123.44	124.84	1.40	160	28	130	7.8	30
124.84	126.34	1.50	385	26	98	18.5	45
126.34	127.56	1.22	290	15	102	9.2	37
127.56	128.81	1.25	1520	49	400	40.0	70
128.81	130.35	1.54	200	34	112	9.7	31
130.35	131.77	1.42	425	16	200	10.4	59
131.77	133.20	1.43	360	32	240	9.2	90
133.20	134.60	1.40	290	33	180	8.8	80
134.60	135.85	1.25	230	22	142	6.5	46
135.85	137.10	1.25	360	45	700	8.0	95
137.10	138.37	1.27	1990	42	600	88.0	104
138.37	139.70	1.33	285	15	110	12.7	43
139.70	141.05	1.35	185	16	132	10.0	54
141.05	142.33	1.28	220	12	154	5.2	63
142.33	142.83	0.50	1060	43	152	7.3	118
142.83	143.20	0.37	1090	44	1550	9.0	195

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		4-5% 1-2mm qtz-eyes at its contacts, to 8-10% 2-3mm eyes for most of its thickness. Trace-1% fine gar and chl, with 4-5% diss. py. Foliation is 60-65 deg to CA, occasionally to 70 deg. Below this interval the unit resembles the section from 103.85-116.5m, with a few long mineralized fractures as well as more common late? calc-filled, planar fractures cutting the CA at angles <30 degrees. One such mineralized veinlet 2-3cm wide runs along the CA from 142.35-143.20m and contains abundant fine diss. py, and minor galena at 143.4m.								
143.3	158.10	QUARTZ-EYE DACITE/ASH TUFF (QID/Ash Tuff, qdd) Typical QID with a fine ash groundmass. Somewhat graded in that the sequence progresses from 2-3% 1 2mm eyes to 7-8% 1-3mm eyes at the lower contact. Unaltered aside from moderate to strong bleaching and mod. ser alt. 2-3% fine py.	143.20	144.78	1.58	165	30	142	3.5	41
			144.78	146.30	1.52	160	27	106	3.5	32
			146.30	147.82	1.52	270	15	150	3.9	46
			147.82	149.35	1.53	155	23	84	3.3	23
			149.35	150.87	1.52	75	17	74	1.6	18
			150.87	151.97	1.10	80	18	73	1.4	15
			151.97	152.69	0.72	110	20	67	4.3	16
			152.69	154.23	1.54	75	22	28	1.2	6
			154.23	155.74	1.51	40	28	20	1.3	4
			155.74	157.14	1.40	35	32	21	0.8	4
158.1	161.2	ALTERED QUARTZ-EYE DACITE/ASH TUFF (Alt'd QID/Ash Tuff) Strongly banded section of QID with strong streaky to patchy dark sil as py-rich diffuse edged bands to 10-15 cm thick. Abundant fine chl occurs with the sil. 3-4% fine py overall concentrated toward the middle of the section.	157.14	158.77	1.63	25	21	66	0.4	6
			158.77	160.33	1.56	3	15	60	0.4	4

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9667

FROM	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH	ASSAYS Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		Foliation is 60-65 deg to the CA.								
161.2	240.49	BEDDED QTZ-EYE DACITE/ASH TUFF (Bdd QID/Ash Tuff)	160.33	161.54	1.21	3	14	92	0.3	4
		Light to med. grey, reasonably well bedded QID generally with	161.54	162.49	0.95	3	16	58	0.2	3
		3-5% 1-2mm qtz-eyes. Generally quite weakly ser altered, and	162.49	163.65	1.16	3	15	62	0.1	3
		with weak pervasive sil. A few places, notably around the	163.65	165.10	1.45	10	21	76	0.1	4
		veining at 171m, and at around 210m, it appears that weak	165.10	166.49	1.39	3	22	80	0.1	6
		kspar alt. may be present. Also commonn throughout the unit	166.49	167.64	1.15	3	18	65	0.1	2
		are narrow fracture fillings resembling selvages and sheared and	167.64	168.81	1.17	3	11	52	0.1	1
		altered chloritic bands, ranging from fol. parallel to contorted	168.81	170.17	1.36	3	58	40	0.1	1
		and crosscutting.	170.17	170.82	0.65	3	56	14	0.1	1
		1-2% fine diss. py Foliation is 65-70 deg to the CA.	170.82	171.44	0.62	3	6	25	0.1	1
			171.44	172.02	0.58	3	10	52	0.2	1
		170.35 to 171.55 Largely barren whiteqtz vein at about 20 deg	172.02	173.65	1.63	3	31	62	0.3	1
		to the CA. Contacts are fracture controlled and slightly	173.65	175.26	1.61	3	20	73	0.2	1
		irregular. Trace py. Inclusions and wallrock is sil. and	175.26	176.43	1.17	3	22	68	0.2	1
		weakly calc and chl alt.	176.43	177.87	1.44	15	19	75	0.1	1
			182.07	183.30	1.23	0	22	68	0.1	1
		Chloritic material is commonest from about 181.5-198.5m,	187.20	188.64	1.44	0	20	50	0.1	1
		and a 20-30 cm long section of breccia cemented with chl and	188.64	190.12	1.48	0	11	58	0.1	2
		qtz occurs at 216.55m.	208.80	210.36	1.56	0	11	65	0.1	1
			213.70	215.55	1.85	5	9	50	0.1	1
		236.5 to 240.49 The rock becomes dark grey to blackish in	215.55	216.72	1.17	0	8	110	0.1	1
		colour and contains white qtz-eyes (and fsp?) as well as blue	221.10	222.64	1.54	0	19	92	0.1	1
		eyes. The section also caonains a few cm qtz veinlets running	222.64	224.14	1.50	0	17	85	0.1	1
		along the CA, whic contain minor coarse whitish fsp.	228.60	230.10	1.50	0	16	46	0.1	1
			230.10	231.65	1.55	0	12	55	0.1	2

FROM	TO	LITHOLOGICAL DESCRIPTION
240.49	272.94	BEDDED QUARTZ-EYE DACITE (BDD QID) Grey to black, fine grained groundmass. Blue-grey quartz phenocrysts comprise up to 5% of the rock (< 7mm), and are distributed unevenly throughout. The unit may be graded over m scale intervals (see below), and the concentration of quartz eyes in cm scale beds may be variable. There are also rare cm scale siliceous fragments distributed in the groundmass. The rock is moderately altered, and has a mottled and variable texture. There may be spotted to patchy chloritic alteration over cm scale intervals. The foliation is chlorite and sericite-rich (roughly 1:1 ratio). There is also moderate to strong cm scale bleaching of the rock. Minor cm scale white quartz veins (may contain tourmaline), and mm scale carbonate-filled fractures occur throughout. The unit contains 2-3% py that occurs as finely disseminated grains in the groundmass, and in mm scale bands that are parallel to the foliation. The bedding contacts are 70-75 deg to the CA, and the foliation is parallel to the bedding. 249.73 to 250.31 Mafic Dyke. Green, aphanitic to fine grained dyke that is composed of altered mafic minerals (pyroxene?), and lesser amounts of feldspar. There are moderate carbonate-filled fractures and tr py throughout. There is epidote alteration in the QID along the contacts. The contacts are 20 deg to the CA.

			ASSAYS				
FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
237.74	239.00	1.26	0	7	62	0.3	1
239.00	240.49	1.49	0	9	70	0.1	1
243.84	244.84	1.00	195	275	115	2.7	90
248.32	249.65	1.33	35	22	61	0.3	384
252.98	254.15	1.17	15	18	62	0.3	1100
254.15	254.90	0.75	25	14	80	0.2	17
254.90	255.70	0.80	10	8	63	0.4	150
263.06	264.04	0.98	25	20	164	0.3	189
264.04	264.64	0.60	25	21	114	0.3	189
264.64	265.86	1.22	40	14	76	0.4	NIL
271.95	272.94	0.99	20	16	88	0.2	5

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		253.35 - 255.1 Moderate occurrence of fg garnet (< 2mm) that is distributed in the groundmass.								
		256.03 to 257.2 Dark grey to black Ash/XI Tuff. Fewer quartz eyes (~1%), and minor feldspar phenocrysts in a dark, aphanitic to fine grained, and homogeneous groundmass. The contacts are parallel to the foliation.								
		267.04 to 267.52 Mafic Dyke. See description above. The contacts are roughly 20 deg to the CA.								
		267.52 to 268.22. Graded Bedding. The top of the interval contains 1-2% quartz eyes, and they increase gradually to 4-5% near the bottom.								
		268.98 - 269.2 White quartz vein. The contacts are 40 deg to the CA.								
		272.58 - 272.62. Irregular contact that divides two texturally different QID beds. May be an erosional contact. The contact is roughly 45 deg to the CA.								
272.94	275.3	BEDDED SILICEOUS SEDIMENTS (BDD CHERT) Grey to pale grey cherty sediments that are interbedded with green to off white, altered chlorite and/or sericite-rich sediments. The unit has a well developed bedding, and the beds alternate between chert and micaceous sediments every 0.5 to 2cm.	273.52 274.32	274.32 275.30	0.80 0.98	250 95	40 26	155 106	0.4 NIL	0 60

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm
		There is 1-2% fg py disseminated throughout. The bedding contacts are 70-75 deg to the CA.								
		272.94 to 273.6 Mafic Dyke. See description above. The upper contact is sub-perpendicular to the CA, and the lower contact is irregular and low-angled to the CA (< 20 deg).								
275.3	279.98	BEDDED ASH TUFF (BDD ASH TUFF) Medium to pale grey, aphanitic to fine grained groundmass. Grey quartz phenocrysts comprise < 1% of the rock. The rock is moderately altered, recognized by a silica-rich groundmass, and a weak foliation composed of sericite and chlorite (5:1 ratio). There is also mottled or patchy chloritic alteration, and strong bleaching over cm scale intervals. Bedding is recognized by alternating mm scale sericite and siliceous bands. There are minor mm scale carbonate-filled, and perhaps epidote-filled, fractures throughout. The unit contains 1-2% py that is disseminated in the groundmass, and in mm scale bands that are parallel to the foliation. The bedding contacts are 70-75 deg to the CA.	275.30	276.40	1.10	30	23	47	0.2	32
			278.15	278.78	0.63	25	24	47	0.2	0
			278.78	279.98	1.20	60	19	132	NIL	215

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
45.72	-64.00	356.00

Nuinsco Resources Limited

DIAMOND DRILL LOG

PROPERTY: Richardson
HOLE No.: NR9667

FROM	TO	LITHOLOGICAL DESCRIPTION	ASSAYS FROM	TO	WIDTH	Au ppb	Cu ppm	Zn ppm	Ag ppm	Pb ppm

DEPTH	INCLINATION	BEARING
109.73	-59.00	358.00
121.92	-57.00	358.00
173.74	-55.00	2.50
198.12	-54.00	2.00
237.75	-54.00	2.50
240.49	-54.00	2.50
278.90	-51.00	5.00
279.98	-51.00	5.00

APPENDIX IV

EXPLORATION DATA

ASSAY CERTIFICATES

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

A9628617

Comments: ATTN: PAUL JONES CC: JIM WILSON

CERTIFICATE A9628617

(LVY) - NUINSCO RESOURCES LIMITED

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 27-AUG-96.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	118	Geochem ring to approx 150 mesh
226	84	0-3 Kg crush and split
294	34	4-7 Kg crush and split
3202	118	Rock - save entire reject
238	118	Nitric-aqua-regia digestion

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	118	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2	118	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
4	118	Pb ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10000
5	118	Zn ppm: HNO3-aqua regia digest	AAS	1	10000
6	118	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0

Certificate Number	Hole Number
A9628617	NR96-46
A9629128	NR96-47
A9629482	NR96-48
A9629483	NR96-48
A9631066	NR96-49
A9631067	NR96-49
A9631286	NR96-49
A9631286	NR96-50
A9631728	NR96-50
A9632018	NR96-51
A9632019	NR96-51
A9632075	NR96-47
A9632076	NR96-51
A9632567	NR96-51
A9634156	NR96-52
A9635778	NR96-53
A9635779	NR96-53
A9637513	NR96-55
A9637514	NR96-53
A9637514	NR96-55
A9637516	NR96-55
A9637517	NR96-53
A9637517	NR96-55
A9637517	NR96-56
A9637783	NR96-55
A9637783	NR96-56
A9639621	NR96-61
A9639622	NR96-61
A9639636	NR96-61
A9640356	NR96-62
A9640357	NR96-52
A9641617	NR96-62
A9641619	NR96-62
A9642419	NR96-65
A9642421	NR96-65
A9643496	NR96-65
A9643780	NR96-64
A9643780	NR96-65
A9643780	NR96-66
A9644332	NR96-63
A9644332	NR96-64
A9644332	NR96-65
A9644332	NR96-66
A9644332	NR96-67
A9710241	NR96-67
A9711685	NR96-62
A9712479	NR96-53
A9716831	NR96-67
A9716832	NR96-66
A9716832	NR96-67

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

To: NORNSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 27-AUG-96
Invoice No. :I9628617
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9628617

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
71219	205	226	35	-----	78	19	220	0.5				
71257	205	294	10	-----	79	2	205	0.2				
71259	205	294	< 5	-----	6	2	82	< 0.2				
71260	205	294	5	-----	10	< 1	81	< 0.2				
71261	205	226	95	-----	101	6	670	0.6				
71262	205	294	10	-----	17	2	113	< 0.2				
71263	205	294	5	-----	16	< 1	94	< 0.2				
71264	205	294	10	-----	7	< 1	330	< 0.2				
71265	205	294	5	-----	9	13	300	< 0.2				
71266	205	226	230	-----	2	< 1	47	0.5				
71267	205	294	10	-----	25	< 1	119	< 0.2				
71268	205	226	< 5	-----	9	< 1	186	< 0.2				
71269	205	294	25	-----	75	2	125	< 0.2				
71270	205	294	< 5	-----	8	< 1	83	< 0.2				
71271	205	294	< 5	-----	3	< 1	88	< 0.2				
71272	205	226	20	-----	48	205	520	0.7				
71273	205	226	55	-----	89	188	720	0.9				
71274	205	294	10	-----	10	3	134	< 0.2				
71275	205	294	5	-----	10	< 1	157	< 0.2				
71276	205	294	< 5	-----	5	< 1	86	< 0.2				
71277	205	294	170	-----	5	2	147	0.9				
71278	205	226	35	-----	6	2	129	< 0.2				
71279	205	226	10	-----	8	< 1	93	< 0.2				
71280	205	294	10	-----	8	< 1	72	< 0.2				
71281	205	226	5	-----	67	< 1	140	0.2				
71282	205	294	< 5	-----	18	< 1	106	0.2				
71283	205	226	< 5	-----	11	12	240	< 0.2				
71284	205	226	5	-----	98	4	240	0.4				
71285	205	226	30	-----	95	2	265	0.6				
71286	205	294	20	-----	98	3	370	0.4				
71287	205	226	10	-----	79	10	220	0.4				
71288	205	294	20	-----	60	7	345	0.4				
71289	205	294	15	-----	64	5	245	0.4				
71290	205	294	70	-----	50	4	310	0.8				
71291	205	226	20	-----	49	6	850	0.3				
71292	205	294	130	-----	260	5	6400	2.5				
71293	205	294	35	-----	36	3	520	0.3				
71294	205	294	125	-----	123	16	425	1.6				
71296	205	226	< 5	-----	17	1	67	< 0.2				
71297	205	226	< 5	-----	7	< 1	75	< 0.2				

NR96-46

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 :
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Total Pages :3
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Invoice No. :19628617
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Account :LVY

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SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
71298	205 226	< 5	-----	7	2	75	< 0.2
71299	205 226	< 5	-----	19	< 1	76	< 0.2
71300	205 226	< 5	-----	13	2	185	< 0.2
71301	205 226	< 5	-----	15	< 1	94	< 0.2
71302	205 226	< 5	-----	6	< 1	81	< 0.2
71303	205 226	15	-----	3	< 1	88	< 0.2
71304	205 226	15	-----	12	< 1	136	< 0.2
71305	205 226	5	-----	6	< 1	149	< 0.2
71306	205 226	< 5	-----	1	< 1	113	< 0.2
71307	205 226	< 5	-----	46	12	520	< 0.2
71308	205 226	10	-----	21	< 1	1840	0.2
71309	205 226	130	-----	51	2	4000	2.2
71310	205 226	< 5	-----	10	< 1	100	< 0.2
71311	205 226	< 5	-----	10	2	123	< 0.2
71312	205 226	5	-----	19	< 1	275	0.3
71313	205 294	10	-----	12	2	120	0.2
71314	205 294	15	-----	23	3	143	0.5
71315	205 226	50	-----	17	2	315	1.4
71316	205 226	30	-----	5	2	109	0.4
71317	205 294	70	-----	10	< 1	104	0.8
71318	205 226	10	-----	102	12	92	0.4
71319	205 226	< 5	-----	13	14	118	0.2
71320	205 226	80	-----	410	3	265	1.3
71321	205 294	20	-----	13	6	90	< 0.2
71322	205 294	220	-----	23	14	133	0.2
71323	205 226	90	-----	36	15	101	2.1
71324	205 226	135	-----	14	24	94	0.3
71325	205 226	135	-----	15	36	355	0.6
71326	205 226	135	-----	19	27	390	0.5
71327	205 226	125	-----	56	32	1740	1.3
71328	205 226	105	-----	53	53	1770	2.2
71329	205 226	145	-----	63	60	3000	2.6
71330	205 226	75	-----	6	54	155	1.0
71331	205 226	50	-----	13	23	1850	0.8
71332	205 226	220	-----	8	22	290	0.4
71333	205 226	340	-----	52	24	4400	1.5
71334	205 226	235	-----	15	29	141	0.6
71335	205 226	50	-----	14	16	98	0.5
71336	205 226	250	-----	158	110	6400	5.0
71337	205 226	100	-----	26	40	1350	1.8

NR96-A4

CERTIFICATION: Stuart Bradden

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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 CC: JIM WILSON

Page Number :3
Total Pages :3
Certificate Date: 27-AUG-96
Invoice No. :19628617
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9628617

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
NR96-49												
71338	205	226	70	-----	52	90	4250	1.1				
71339	205	226	85	-----	12	13	124	0.7				
71340	205	226	150	-----	8	43	72	3.3				
71341	205	226	40	-----	9	8	198	1.2				
71342	205	226	25	-----	32	21	85	1.2				
71343	205	294	15	-----	25	6	85	0.7				
71344	205	226	55	-----	37	63	128	1.0				
71345	205	226	4510	-----	136	>10000	>10000	70.0				
71346	205	226	65	-----	21	30	315	1.0				
71347	205	226	395	-----	40	930	760	5.8				
71348	205	294	200	-----	42	360	480	3.2				
71349	205	226	155	-----	44	266	410	1.7				
71350	205	226	395	-----	37	328	2000	2.2				
71351	205	226	620	-----	188	260	3400	8.3				
71352	205	226	145	-----	42	8	265	1.2				
NR96-49												
71353	205	294	350	-----	17	120	530	2.0				
71354	205	226	145	-----	7	44	300	0.8				
71355	205	226	135	-----	40	100	490	2.8				
71356	205	226	7780	-----	465	6800	8500	>100.0				
71357	205	226	>10000	10.35	290	8900	>10000	>100.0				
71358	205	226	2460	-----	210	3050	4750	85.0				
71359	205	294	490	-----	102	300	620	10.8				
71360	205	226	6460	-----	170	2200	4100	16.0				
71361	205	226	1150	-----	34	395	670	3.8				
71362	205	226	335	-----	34	70	105	1.3				
NR96-49												
71363	205	226	845	-----	139	1200	2350	3.4				
71364	205	226	295	-----	46	100	85	0.9				
71365	205	226	1270	-----	58	162	1500	1.8				
71366	205	226	95	-----	27	20	91	0.4				
71367	205	226	485	-----	169	1100	1650	16.5				
71368	205	226	215	-----	49	212	126	2.0				
71369	205	226	195	-----	33	40	158	1.2				
71370	205	294	430	-----	31	70	245	1.8				
71371	205	226	100	-----	20	26	420	1.7				
71372	205	226	175	-----	8	62	120	7.7				
71373	205	226	110	-----	7	22	162	6.8				
71374	205	226	90	-----	9	24	90	8.0				
71375	205	226	275	-----	32	290	570	15.0				

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
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M9B 6K2

Project :
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Page Number :1
Total Pages :4
Certificate Date: 28-AUG-96
Invoice No. :I9629128
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9629128

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
71376	205 226	< 5	24	< 1	87	< 0.2
71377	205 226	< 5	10	< 1	99	< 0.2
71378	205 226	10	37	< 1	146	< 0.2
71379	205 226	45	35	< 1	210	0.2
71380	205 226	15	38	< 1	139	0.3
71381	205 226	10	30	< 1	90	0.2
71382	205 226	10	20	< 1	79	0.2
71383	205 294	15	18	< 1	128	0.2
71384	205 226	15	20	< 1	90	< 0.2
71385	205 226	5	42	< 1	82	0.2
71386	205 294	25	53	< 1	510	0.5
71387	205 226	25	12	< 1	128	0.4
71388	205 226	35	84	3	380	1.1
71389	205 226	< 5	8	< 1	75	< 0.2
71390	205 226	< 5	19	6	127	0.2
71391	205 226	20	27	< 1	103	0.3
71392	205 294	50	15	2	395	0.9
71393	205 226	10	230	< 1	730	1.3
71394	205 226	960	63	< 1	1550	5.3
71395	205 226	215	14	2	420	8.8
71396	205 294	375	14	1	245	16.6
71397	205 226	75	52	2	220	0.7
71398	205 226	20	33	< 1	109	< 0.2
71399	205 226	15	15	< 1	106	< 0.2
71400	205 294	70	13	2	200	0.8
72301	205 226	80	72	3	800	1.3
72302	205 226	170	26	32	113	0.4
72303	205 226	130	23	40	124	0.6
72304	205 226	80	23	17	330	0.3
72305	205 226	120	49	12	5300	1.3
72306	205 226	70	79	42	1350	1.8
72307	205 226	225	196	190	4800	10.0
72308	205 226	85	37	160	970	3.0
72309	205 226	40	10	46	66	0.9
72310	205 226	510	187	2450	5600	17.3
72311	205 226	65	21	34	144	1.0
72312	205 226	25	24	12	113	0.2
72313	205 226	20	43	4	92	0.6
72314	205 226	30	12	23	117	0.5
72315	205 226	50	10	43	83	1.1

NR 96-47

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
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M9B 6K2

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

Page . ber :2
Total Pages :4
Certificate Date: 28-AUG-96
Invoice No. : I9629128
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9629128

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
72316	205	226	100	10	196	660	2.4
72317	205	226	40	11	145	360	2.2
72318	205	226	80	16	160	265	3.2
72319	205	226	570	129	600	560	4.7
72320	205	226	150	94	1750	6200	9.6
72321	205	226	55	14	160	375	1.2
72322	205	226	670	41	1450	3200	5.7
72323	205	226	885	38	112	1000	2.1
72324	205	226	530	30	198	455	1.9
72325	205	226	950	17	480	3800	33.2
72326	205	226	1380	67	980	2900	27.5
72327	205	226	2280	198	1080	2150	66.0
72328	205	226	2000	30	60	290	3.8
72329	205	226	675	22	242	1350	2.2
72330	205	226	3300	120	1400	2500	31.2
72331	205	294	280	6	18	12	0.9
72332	205	226	365	12	21	28	0.6
72333	205	226	205	25	45	159	1.4
72334	205	226	15	2	10	10	< 0.2
72335	205	226	135	57	31	275	0.4
72336	205	294	150	47	90	700	0.9
72337	205	226	260	29	305	450	1.2
72338	205	294	180	32	130	310	1.3
72339	205	226	305	300	900	4800	7.2
72340	205	294	200	28	900	1700	4.8
72341	205	294	165	25	52	137	0.5
72342	205	294	265	16	42	142	0.5
72343	205	226	1100	24	20	230	0.5
72344	205	226	20	17	17	153	< 0.2
72345	205	226	120	55	18	7800	0.3
72346	205	226	40	24	13	2000	0.2
72347	205	226	365	51	145	7400	1.6
72348	205	226	65	50	10	710	0.2
72349	205	226	340	28	65	2750	1.0
72350	205	226	< 5	2	5	20	< 0.2
72351	205	226	350	42	12	355	0.5
72352	205	226	605	60	70	3200	0.8
72353	205	294	285	26	16	82	0.5
72354	205	226	280	23	14	49	0.3
72355	205	226	110	43	38	500	0.4

NR96-47

CERTIFICATION: Stuart Bichler

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

To: NUINSCO RESOURCES LIMITED

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M9B 6K2

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Comments: ATTN: PAUL JONES FAX: JIM WILSON

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Total Pages :4
Certificate Date: 28-AUG-96
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CERTIFICATE OF ANALYSIS A9629128

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
72356	205	294	95	29	45	131	0.3
72357	205	226	95	43	90	2150	0.6
72358	205	226	120	29	150	1200	0.8
72359	205	226	900	113	202	6100	1.8
72360	205	226	390	115	55	4500	0.8
72361	205	226	550	182	74	5800	2.0
72362	205	226	1090	117	24	7800	1.9
72363	205	226	505	16	145	760	0.9
72364	205	226	265	77	54	3000	0.5
72365	205	294	550	45	82	1950	0.8
72366	205	226	645	35	260	2300	1.2
72367	205	226	1150	93	600	375	3.8
72368	205	226	6240	123	370	2800	10.8
72369	205	294	35	80	100	350	0.9
72370	205	226	170	34	425	500	3.0
72371	205	294	160	47	15	235	0.6
72372	205	226	150	30	16	340	0.3
72373	205	226	130	15	11	144	0.2
72374	205	226	125	20	10	126	< 0.2
72375	205	294	135	15	10	97	< 0.2
72376	205	226	220	18	26	295	0.5
72377	205	226	2820	600	130	3300	7.5
72378	205	226	255	39	60	158	0.9
72379	205	294	350	79	27	430	0.7
72380	205	294	415	19	40	86	0.5
72381	205	226	165	15	29	114	0.6
72382	205	226	200	24	20	191	0.6
72383	205	226	125	21	13	117	0.5
72384	205	226	325	13	14	129	0.6
72385	205	226	180	26	7	128	0.3
72386	205	226	195	95	8	325	1.1
72387	205	294	220	85	5	410	0.8
72388	205	226	375	26	9	300	1.0
72389	205	226	1760	22	4	325	0.5
72390	205	226	550	66	6	2500	1.0
72391	205	294	165	11	3	191	< 0.2
72392	205	226	65	23	4	1450	0.4
72393	205	226	50	8	4	8	< 0.2
72394	205	226	85	37	10	160	0.8
72395	205	226	100	36	10	250	1.0

CERTIFICATION: Stuart 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

Certificate Date: 28-AUG-96
Invoice No. : I9629128
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9629128

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
72396	205	226	125	50	9	520	1.1					
72397	205	226	285	35	9	670	0.8					

CERTIFICATION: [signature]

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: 06-SEP-96
Invoice No. : I9629482
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9629482

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
81551	205	226	305	-----	51	92	250	1.1
81552	205	294	1190	-----	32	122	360	2.8
81553	205	226	420	-----	68	320	800	1.2
81554	205	226	120	-----	30	205	365	0.7
81555	205	294	85	-----	11	16	242	0.4
81556	205	226	155	-----	18	12	310	0.2
81557	205	294	85	-----	28	34	210	0.4
81558	205	294	70	-----	32	105	470	0.3
81559	205	226	540	-----	33	70	148	0.6
81560	205	294	125	-----	20	68	195	0.9
81561	205	294	315	-----	30	45	125	1.1
81562	205	226	630	-----	65	272	310	4.2
81563	205	226	605	-----	19	280	345	4.2
81564	205	226	1370	-----	17	385	750	7.7
81565	205	226	175	-----	16	72	190	1.6
84557	205	226	55	-----	19	30	175	0.5
84558	205	226	>10000	166.00	84	40	4450	47.0
84559	205	226	365	-----	19	90	225	0.8
84560	205	226	7800	-----	305	35	2800	5.6
84561	205	226	410	-----	40	20	268	0.4
84562	205	226	280	-----	40	24	600	0.2
84563	205	226	65	-----	45	31	290	0.2
84564	205	226	365	-----	39	30	295	0.4
84565	205	226	250	-----	26	30	400	0.2
84566	205	226	55	-----	52	21	232	< 0.2
84567	205	226	1170	-----	36	32	1000	0.9
84568	205	226	215	-----	57	26	1400	0.5
84569	205	226	235	-----	66	33	1400	0.3
84570	205	226	3020	-----	40	65	1200	2.1
84571	205	226	1350	-----	33	28	445	0.7
84572	205	226	1450	-----	62	27	1300	1.0
84573	205	226	400	-----	33	53	370	0.3
84574	205	226	4610	-----	145	120	1260	3.4
84575	205	226	600	-----	65	42	1300	0.5
84576	205	226	7000	-----	72	65	6200	5.0
84577	205	226	225	-----	48	32	418	0.2
84578	205	226	120	-----	41	30	630	< 0.2
84579	205	226	280	-----	47	50	520	0.3
84580	205	226	875	-----	95	132	1000	0.9
84581	205	226	1490	-----	73	280	880	1.6

NR96-48

CERTIFICATION: Stuart 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

Certificate Date: 06-SEP-96
Invoice No. :19629482
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9629482

NR96-48

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
84582	205	226	140	-----	36	36	305	< 0.2
84583	205	226	8620	-----	38	336	1150	5.6
84584	205	226	9800	-----	67	166	>10000	10.0
84585	205	226	2540	-----	37	50	1200	2.1
84586	205	226	3510	-----	53	26	1250	3.5
84587	205	226	100	-----	59	36	280	< 0.2
84588	205	226	395	-----	28	92	1350	0.5
84589	205	226	210	-----	50	50	1150	0.3
84590	205	226	460	-----	59	65	3600	1.5
84591	205	226	555	-----	47	60	1480	0.8
84592	205	226	270	-----	28	29	220	0.2
84593	205	226	50	-----	36	36	215	< 0.2
84594	205	226	4180	-----	43	135	3300	4.0
84595	205	226	390	-----	42	57	2900	0.3
84596	205	226	605	-----	68	28	4700	0.6
84597	205	226	1830	-----	110	33	3600	1.0
84598	205	226	3360	-----	50	100	4000	4.7
84599	205	226	1960	-----	57	258	1500	1.6
84600	205	226	3310	-----	85	380	930	2.7
84601	205	226	2340	-----	28	112	104	2.8
84602	205	226	6250	-----	83	210	560	4.5
84603	205	226	720	-----	22	148	1500	1.1
84604	205	226	1500	-----	26	58	760	0.7
84605	205	226	6770	-----	37	102	2350	2.9
84606	205	226	7500	-----	48	155	3850	5.8
84607	205	226	2010	-----	39	43	1850	1.0
84608	205	226	1140	-----	57	122	620	1.0
84609	205	226	3490	-----	70	500	6200	2.8
84610	205	226	4970	-----	101	1150	6600	5.9
84611	205	226	6430	-----	163	162	1100	3.4
84612	205	226	>10000	320.8	900	1200	2250	90.0
84613	205	226	1850	-----	72	67	1000	1.2
84614	205	226	6840	-----	103	720	4250	5.3
84615	205	226	3550	-----	151	1100	3750	2.9
84616	205	226	3020	-----	63	900	2800	4.4
84617	205	226	2050	-----	19	365	1550	1.7
84618	205	226	1010	-----	12	150	135	0.6
84619	205	226	2110	-----	82	175	1100	2.0
84620	205	226	1480	-----	35	210	300	0.7
84621	205	226	8820	-----	151	520	7600	4.8

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: 06-SEP-96
Invoice No. : 19629482
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9629482

NR 96-48

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
84622	205	226	1270	-----	47	200	1500	0.8
84623	205	226	480	-----	103	98	4450	1.0
84624	205	226	4950	-----	180	445	6000	3.3
84625	205	294	355	-----	22	250	338	1.4
84626	205	226	830	-----	310	485	1350	3.2
84627	205	226	345	-----	37	120	110	0.8
84628	205	226	1200	-----	240	2000	3400	6.5
84629	205	226	3670	-----	770	6300	9000	22.2
84630	205	226	1380	-----	465	1000	3650	4.3
84631	205	226	680	-----	235	1350	2200	6.0
84632	205	226	>10000	20.88	1400	>10000	>10000	41.2
84633	205	226	3100	-----	870	2700	3750	11.7
84634	205	226	4490	-----	870	4850	5800	11.2
84635	205	226	1070	-----	71	100	350	1.3
84636	205	226	325	-----	33	36	82	0.6
84637	205	226	1600	-----	280	970	1500	5.6
84638	205	226	835	-----	305	455	3150	2.9
84639	205	226	700	-----	33	2000	360	8.0
84640	205	226	825	-----	28	45	600	0.9
84641	205	226	55	-----	29	245	550	0.5
84642	205	226	600	-----	45	175	450	1.8
84643	205	226	550	-----	35	96	310	2.2
84644	205	226	440	-----	26	98	155	1.2
84645	205	294	570	-----	23	105	415	1.6
84646	205	226	205	-----	29	74	420	1.2
84647	205	226	345	-----	26	75	660	1.5
84648	205	226	360	-----	30	57	1150	0.8
84649	205	226	810	-----	48	54	1600	1.3
84650	205	226	795	-----	66	206	1400	4.7

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: 01-SEP-96
Invoice No. :19629483
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9629483

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
84651	205 226	560	23	28	600	0.5
84652	205 226	2900	31	36	1600	1.5
84653	205 226	40	7	25	90	< 0.2
84654	205 226	575	42	42	200	0.7
84655	205 226	340	57	40	435	1.2
84656	205 226	385	40	68	600	2.2
84657	205 226	385	18	60	275	0.8
84658	205 226	340	20	46	465	0.7
84659	205 226	495	22	35	455	0.5
84660	205 226	490	20	60	650	0.5
84661	205 226	470	109	1250	6850	20.0
84662	205 226	480	120	353	7850	3.2
84663	205 226	605	40	140	1800	1.1
84664	205 226	710	34	196	7300	1.0
84665	205 226	830	42	170	1400	0.8
84666	205 226	1450	230	150	>10000	4.0
84667	205 226	665	56	58	1400	1.1
84668	205 226	270	48	150	2500	1.4
84669	205 226	1470	250	78	10000	1.3
84670	205 226	345	198	46	1600	2.0
84671	205 226	405	15	23	500	0.3
84672	205 226	415	16	14	380	0.2
84673	205 226	400	18	20	470	0.4
84674	205 226	240	20	25	210	0.2
84675	205 226	240	16	24	870	< 0.2
84676	205 226	220	42	126	2200	0.4
84677	205 226	115	28	28	348	0.2
84678	205 226	330	14	18	150	0.2
84679	205 226	260	17	19	375	< 0.2
84680	205 226	330	19	47	435	0.3
84681	205 226	570	31	106	7300	1.3
84682	205 226	170	9	47	870	0.6
84683	205 226	240	194	1350	2450	11.0
84684	205 226	385	200	700	2600	4.7
84685	205 226	275	27	160	1300	0.9
84686	205 226	340	44	190	1400	1.7
84687	205 226	6120	650	750	>10000	11.0
84688	205 226	1140	156	462	10000	5.0
84689	205 226	120	390	1400	930	9.2
84690	205 226	650	215	950	7000	7.0

NR96-98

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

Certificate Date: 01-SEP-96
Invoice No. : I9629483
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9629483

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
84691	205	226	1300	215	700	10000	10.8
84692	205	226	955	40	54	1500	1.9
84693	205	226	1880	52	90	680	3.2
84694	205	294	830	86	26	1000	1.2
84695	205	226	430	34	28	960	0.8
84697	205	226	715	65	31	2100	0.9
84698	205	226	370	39	70	2000	1.0
84699	205	226	650	31	48	750	0.7
84700	205	226	1230	30	26	600	0.6
84701	205	294	1740	37	32	700	2.8
84702	205	226	1740	74	108	1500	1.5
84703	205	226	2680	265	106	9800	2.4
84704	205	226	1640	73	238	2350	2.2
84705	205	226	1060	205	960	7850	6.6
84706	205	226	1640	340	100	8500	3.5
84707	205	226	1660	235	52	6150	3.8
84708	205	226	1730	295	90	7100	4.0
84709	205	226	725	67	58	1350	1.0
84710	205	226	450	47	34	1850	0.6
84711	205	226	580	42	26	700	0.8
84712	205	226	790	37	27	700	0.8
84713	205	226	1400	45	28	680	0.7
84714	205	294	680	18	86	900	0.8
84715	205	294	675	30	470	1900	2.1
84716	205	226	475	36	165	620	1.5
84717	205	226	1610	450	2000	4200	13.2
84718	205	226	680	415	4700	>10000	40.2
84719	205	226	210	32	175	600	1.2
84720	205	294	160	28	58	252	0.5
84721	205	226	3470	13	42	36	0.6
84722	205	226	125	31	86	225	1.0
84723	205	294	280	13	126	470	0.8
84724	205	226	445	20	19	400	0.5
84725	205	294	105	22	24	140	0.2
84726	205	226	190	16	23	150	0.2
84727	205	226	615	23	22	1800	0.6
84728	205	226	295	32	8	380	0.5
84729	205	226	190	21	5	435	0.6
84730	205	226	50	18	2	178	0.3
84731	205	226	40	14	2	310	0.3

NR96-48

CERTIFICATION: [signature]

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: 01-SEP-96
Invoice No. : I9629483
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9629483

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
84732	205	226	95	29	6	580	0.2					
84733	205	226	160	48	12	150	< 0.2					
84734	205	226	165	10	12	170	< 0.2					
84735	205	226	60	27	35	130	< 0.2					
84736	205	294	475	39	70	300	0.3					
84737	205	226	485	47	110	530	0.6					
84738	205	226	365	38	60	450	0.6					
84739	205	226	30	30	12	405	< 0.2					
84740	205	226	410	109	50	3600	0.7					
84741	205	226	150	31	50	840	0.3					
84742	205	226	60	34	73	318	0.3					
84743	205	226	170	45	43	198	0.2					
84744	205	226	440	137	152	2600	0.8					
84745	205	226	845	149	580	6000	9.2					
84746	205	226	245	45	40	1500	2.7					
84747	205	294	845	78	155	2450	0.8					
84748	205	226	560	42	312	380	0.6					
84749	205	226	270	70	445	250	0.8					
84750	205	226	295	33	57	305	0.2					

NR96-48

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: 15-SEP-96
Invoice No. :I9631066
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631066

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
81566	205	226	515	36	42	4700	2.6
81567	205	226	195	45	78	1200	1.7
81568	205	226	645	17	17	1750	6.0
81569	205	226	230	10	15	650	1.0
81570	205	226	180	10	27	600	1.0
81571	205	226	250	10	17	1350	1.2
81572	205	226	445	25	21	590	2.2
81573	205	226	10	16	13	84	0.3
81574	205	226	10	20	7	59	0.2
81575	205	226	20	20	9	37	0.3
81576	205	226	90	50	76	83	1.4
81577	205	226	60	19	11	75	0.3
81578	205	226	20	18	10	79	< 0.2
81579	205	226	60	23	25	143	0.3
81580	205	294	55	28	44	102	0.4
81581	205	294	30	25	20	79	0.4
81582	205	294	90	16	22	92	0.3
81583	205	226	50	18	7	65	0.2
81584	205	226	20	11	9	50	< 0.2
81585	205	226	25	10	10	56	0.2
81586	205	226	740	17	14	540	1.0
81587	205	226	280	13	10	70	0.5
81588	205	226	50	22	2	123	0.3
81589	205	226	140	14	12	97	0.3
81590	205	226	190	20	5	99	0.4
81591	205	294	145	16	26	104	0.4
81592	205	226	60	10	11	102	0.4
81593	205	226	395	17	5	255	1.1
81594	205	226	715	19	5	310	0.6
81595	205	226	155	17	11	780	0.5
81596	205	226	50	4	4	270	0.3
81597	205	294	55	7	5	191	0.3
81598	205	226	325	12	5	175	0.8
81599	205	226	195	21	4	690	0.5
81600	205	226	160	12	< 1	37	0.3
81601	205	226	225	28	7	178	0.5
81602	205	226	55	108	4	94	0.2
81766	205	226	55	13	15	79	0.3
81767	205	226	1930	14	13	114	2.2
81768	205	226	60	24	24	85	0.4

NR96-49

CERTIFICATION: Stuart 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

Certificate Date: 15-SEP-96
Invoice No. : I9631066
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9631066

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
81769	205 294	625	28	13	94	0.6
81770	205 226	895	21	12	114	0.9
81771	205 226	85	15	11	99	0.3
81772	205 226	80	21	10	82	0.4
81773	205 226	55	20	3	113	0.4
81774	205 226	70	10	14	100	0.4
81775	205 226	100	16	12	105	0.4
81776	205 226	400	56	12	87	0.9
81777	205 226	285	20	18	104	0.7
81778	205 226	680	20	12	51	0.8
81779	205 226	395	17	17	77	0.7
81780	205 226	215	5	58	84	0.8
81781	205 226	85	6	23	97	0.4
81782	205 226	155	5	38	124	0.4
81783	205 226	320	9	13	99	0.4
81784	205 226	140	15	20	106	0.4
81785	205 226	45	18	12	148	0.4
81786	205 226	85	22	15	130	0.3
81787	205 226	65	25	21	118	0.3
81788	205 226	80	21	20	91	0.4
81789	205 226	175	39	28	103	0.6
81790	205 226	260	17	50	69	0.6
81791	205 226	560	22	28	77	0.9
81792	205 226	855	36	35	94	1.6
81793	205 226	1110	50	86	270	1.8
81794	205 226	1500	20	87	197	1.4
81795	205 226	1940	51	104	1100	1.3
81796	205 226	580	10	42	315	0.5
81797	205 226	210	13	25	210	0.4
81798	205 226	410	37	5	92	0.4
81799	205 226	110	48	4	145	0.2
81800	205 226	260	55	5	94	0.3

NR96-49

CERTIFICATION: David Bradley

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: 17-SEP-96
Invoice No. :I9631067
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631067

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
82101	205	226	520	-----	97	5	68	0.4
82102	205	226	470	-----	40	10	44	0.4
82103	205	226	90	-----	4	38	98	0.8
82104	205	226	230	-----	16	36	220	0.6
82105	205	226	320	-----	16	50	250	0.6
82106	205	226	300	-----	16	39	450	0.7
82107	205	226	215	-----	10	11	138	0.5
82108	205	226	430	-----	17	62	290	0.7
82109	205	226	335	-----	34	77	1850	0.8
82110	205	226	190	-----	22	23	192	0.5
82111	205	226	165	-----	21	29	162	0.4
82112	205	226	220	-----	16	24	185	0.5
82113	205	226	455	-----	16	31	245	0.4
82114	205	226	390	-----	15	24	73	0.4
82115	205	226	515	-----	17	40	79	0.6
82116	205	226	315	-----	15	28	60	0.2
82117	205	226	260	-----	19	40	68	0.3
82118	205	226	260	-----	22	50	81	0.3
82119	205	226	230	-----	7	46	77	0.2
82120	205	226	280	-----	12	70	240	0.4
82121	205	294	315	-----	17	34	108	0.3
82122	205	226	2550	-----	97	35	950	1.1
82123	205	226	425	-----	20	24	132	0.2
82124	205	226	70	-----	13	90	137	0.5
82125	205	226	100	-----	22	62	128	0.8
82126	205	226	50	-----	11	27	86	0.2
82127	205	226	95	-----	13	20	162	< 0.2
82128	205	226	190	-----	15	30	173	0.2
82129	205	226	850	-----	15	80	165	0.6
82130	205	226	695	-----	165	1500	3350	9.2
82131	205	226	1420	-----	24	205	184	1.9
82132	205	226	3980	-----	186	2250	290	8.5
82133	205	226	1260	-----	35	360	133	1.1
82134	205	226	715	-----	90	270	800	2.6
82135	205	226	200	-----	45	112	184	1.6
82136	205	226	105	-----	22	29	184	0.2
82137	205	226	115	-----	13	27	134	< 0.2
82138	205	226	85	-----	14	21	165	< 0.2
82139	205	226	130	-----	13	28	104	0.2
82140	205	294	100	-----	14	36	171	0.2

NR96-49

CERTIFICATION: Stewart 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

Certificate Date: 17-SEP-96
Invoice No. : I9631067
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9631067

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
82141	205	226	210	-----	12	17	79	< 0.2				
82142	205	226	345	-----	16	19	53	0.2				
82143	205	226	815	-----	15	19	112	0.3				
82144	205	226	470	-----	12	22	128	0.2				
82145	205	226	200	-----	30	12	103	< 0.2				
82146	205	226	225	-----	16	216	300	10.6				
82147	205	226	140	-----	245	6	86	< 0.2				
82148	205	226	110	-----	23	6	102	< 0.2				
82149	205	226	595	-----	53	6	118	0.2				
82150	205	226	860	-----	54	10	137	0.4				
82151	205	226	645	-----	67	13	108	0.2				
82152	205	226	350	-----	92	18	320	0.5				
82153	205	226	1030	-----	48	10	138	0.8				
82154	205	226	470	-----	55	10	76	0.2				
82155	205	226	875	-----	105	14	80	0.4				
82156	205	226	575	-----	115	25	760	0.5				
82157	205	226	290	-----	32	19	62	0.2				
82158	205	226	170	-----	12	21	21	0.3				
82159	205	226	365	-----	16	28	27	0.3				
82160	205	226	2000	-----	23	15	32	0.7				
82161	205	226	1940	-----	28	40	85	1.2				
82162	205	226	1080	-----	77	85	280	0.8				
82163	205	226	1640	-----	79	150	7400	1.2				
82164	205	226	1150	-----	56	270	440	1.8				
82165	205	226	680	-----	35	262	240	1.6				
82166	205	226	2010	-----	126	760	1600	2.6				
82167	205	226	850	-----	80	530	520	3.9				
82168	205	226	790	-----	83	365	710	2.5				
82169	205	226	870	-----	36	375	1000	4.0				
82170	205	226	>10000	205.3	1350	2900	>10000	6.5				
82171	205	226	700	-----	1500	128	680	3.6				
82172	205	226	750	-----	50	32	720	0.7				
82173	205	226	2070	-----	190	68	3400	2.5				
82174	205	294	460	-----	47	255	640	1.6				
82175	205	226	300	-----	33	158	980	1.7				
82176	205	226	845	-----	1000	1650	6700	6.5				
82177	205	226	215	-----	26	230	510	1.2				
82178	205	226	1080	-----	25	1400	7200	5.8				
82179	205	226	500	-----	20	255	550	1.3				
82180	205	226	425	-----	34	480	1000	1.7				

NR96-49

CERTIFICATION: Stewart Sinclair

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: 17-SEP-96
Invoice No. : I9631067
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9631067

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
82181	205	226	410	-----	50	348	2050	3.0				
82182	205	226	380	-----	60	31	620	0.7				
82183	205	226	640	-----	42	60	590	1.0				
82184	205	226	575	-----	40	82	510	1.2				
82185	205	226	480	-----	52	128	720	1.0				
82186	205	226	260	-----	48	204	850	1.1				
82187	205	226	850	-----	25	92	375	0.8				
82188	205	226	2040	-----	290	780	2500	4.2				
82189	205	226	2400	-----	650	1680	>10000	6.7				
82190	205	226	1000	-----	65	215	2350	1.3				
82191	205	226	>10000	43.06	1100	1770	>10000	27.5				
82192	205	226	920	-----	30	70	550	1.2				
82193	205	226	710	-----	18	32	350	0.9				
82194	205	226	1180	-----	152	92	680	2.9				
82195	205	226	570	-----	42	24	2450	1.4				
82196	205	226	410	-----	17	34	445	1.0				
82197	205	226	410	-----	16	33	395	1.1				
82198	205	226	915	-----	52	45	2200	1.7				
82199	205	294	405	-----	14	30	405	1.3				
82200	205	226	410	-----	12	44	325	1.2				

NR96-49

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

Certificate Date: 17-SEP-96
Invoice No. :19631286
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631286

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R
NR96-49					
82201	205 226	515	46	600	2.0
82202	205 226	725	980	5500	4.3
82203	205 226	595	40	690	1.5
82204	205 226	3160	191	6000	8.4
82205	205 226	415	28	380	1.6
NR96-50					
82207	205 226	700	15	270	0.9
82208	205 226	435	112	720	0.8
82209	205 226	470	5	590	0.7
82210	205 226	630	9	325	0.9
82211	205 226	325	6	440	0.5
82212	205 226	375	5	580	0.9
82213	205 226	550	5	177	0.4
82214	205 226	310	5	225	0.3
82215	205 226	525	8	840	0.7
82217	205 226	100	41	335	2.0
82218	205 294	180	82	560	2.7
82219	205 294	120	59	450	2.1
82220	205 294	70	22	162	1.4
82221	205 294	65	30	193	1.3
82222	205 226	130	43	205	1.7
NR96-49					
82223	205 226	220	33	510	3.7
82224	205 294	360	335	3650	8.7
82225	205 226	160	76	1900	3.5
82226	205 294	230	50	1050	4.0
82227	205 294	85	29	500	2.2
82228	205 294	105	68	680	3.0
82229	205 294	140	104	940	3.6
82230	205 294	495	495	2900	18.5
82231	205 226	150	55	1150	2.5
82232	205 294	205	61	1700	2.8
82233	205 294	405	1000	5000	21.9
82234	205 226	130	87	1000	3.5

CERTIFICATION: Ian 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

Certificate Date: 19-SEP-96
Invoice No. :I9631728
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631728

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R
72401	205	226	60	25	60	0.3
72402	205	226	160	94	1000	4.9
72403	205	294	55	12	440	1.5
72404	205	226	260	32	1650	9.2
72405	205	294	220	61	1800	10.2
72406	205	226	85	62	1050	7.0
72407	205	226	185	68	830	7.3
72408	205	226	450	280	9500	63.0
72409	205	226	145	70	1550	8.5
72410	205	226	80	18	1800	3.8
72411	205	294	40	10	187	0.7
72412	205	226	90	40	510	1.8
72413	205	226	60	19	114	1.1
72414	205	226	100	30	102	2.0
72415	205	226	75	37	99	2.2
72416	205	226	70	22	61	1.4
72417	205	226	175	56	160	4.0
72418	205	226	50	72	210	3.7
72419	205	294	70	116	108	5.6
72420	205	226	85	40	420	2.3
82216	205	226	375	32	880	1.6
82235	205	226	230	32	4000	2.7
82236	205	226	215	21	1650	1.8
82237	205	226	155	43	1300	1.0
82238	205	226	465	68	4000	0.8
82239	205	226	345	44	2900	1.0
82240	205	226	900	230	>10000	2.1
82241	205	226	610	66	5900	2.2
82242	205	226	2200	98	7000	1.6
82243	205	226	430	28	2400	0.8
82244	205	226	350	18	1350	0.5
82245	205	294	380	25	2150	1.1
82246	205	226	170	24	3600	0.6
82247	205	226	410	28	3450	0.6
82248	205	226	345	36	2150	0.5
82249	205	226	130	34	2850	0.3
82250	205	226	80	28	2350	0.7
82251	205	226	560	< 120	>10000	1.3
82252	205	226	135	89	>10000	0.9
82253	205	226	90	36	7600	1.5

NR96-50

CERTIFICATION: Stuart 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

Certificate Date: 19-SEP-96
Invoice No. :19631728
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631728

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R						
82254	205	294	50	25	2600	0.4						
82255	205	294	30	24	1400	0.6						
82256	205	226	65	34	3550	0.8						
82257	205	294	50	18	1750	0.5						
82258	205	226	120	69	2450	0.9						
82259	205	226	255	43	1550	0.4						
82260	205	294	205	15	190	0.4						
82261	205	294	505	35	2000	1.3						
82262	205	226	380	28	2450	1.3						
82263	205	226	565	72	4250	1.1						
82264	205	226	815	74	2250	0.8						
82265	205	226	610	104	3450	1.4						
82266	205	226	100	66	980	0.8						
82267	205	226	355	49	3400	1.0						
82268	205	294	540	30	780	1.5						
82269	205	226	220	44	1150	2.7						
82270	205	226	180	94	1000	1.3						
82271	205	226	160	42	2200	1.4						
82272	205	294	190	22	1950	0.7						
82273	205	226	190	35	3750	0.9						
82274	205	226	110	46	1500	0.6						
82275	205	226	50	20	1500	0.7						
82276	205	226	115	205	3600	2.3						
82277	205	226	35	69	688	0.5						
82278	205	226	300	320	>10000	2.6						
82279	205	226	110	76	220	2.3						
82280	205	226	35	4	260	0.2						
82281	205	226	180	10	1300	1.3						
82282	205	226	105	9	1300	0.6						
82283	205	226	120	24	1350	2.1						
82284	205	226	125	64	5500	2.2						
82285	205	226	50	60	530	0.7						
82286	205	226	85	32	490	0.9						
82287	205	226	145	46	1300	0.8						
82288	205	226	175	88	430	3.3						
82289	205	226	110	30	375	0.6						
82290	205	226	270	65	960	1.6						
82291	205	226	70	35	730	0.7						
82292	205	226	275	24	250	0.6						
82293	205	226	100	36	1850	0.8						

NR96-50

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: 19-SEP-96
Invoice No. :I9631728
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631728

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R
82294	205	226	55	46	1150	0.5
82295	205	294	10	18	98	0.2
82296	205	294	10	16	58	0.3
82297	205	226	20	12	59	0.2
82298	205	226	40	12	57	0.5
82299	205	226	100	18	81	0.3
82300	205	226	30	15	41	0.3
82301	205	226	80	32	102	0.4
82302	205	226	455	49	1550	1.1
82303	205	226	140	37	730	0.6
82304	205	226	60	24	320	0.5
82305	205	226	100	148	7000	1.1
82306	205	226	65	74	4100	0.9
82307	205	226	40	33	3300	0.7
82308	205	226	70	130	>10000	3.0
82309	205	226	65	90	4900	2.3
82310	205	226	50	47	2400	1.9
82311	205	226	20	10	156	0.4
82312	205	294	60	29	285	1.0
82313	205	226	90	24	220	1.0
82314	205	294	90	83	140	2.9
82315	205	226	45	53	102	1.8
82316	205	226	160	120	265	4.2
82317	205	226	20	20	38	0.3
82318	205	226	100	66	620	0.6
82319	205	294	195	105	1360	0.8
82320	205	226	600	84	2100	2.0
82321	205	226	120	34	150	0.7
82322	205	294	80	30	54	0.8
82323	205	226	50	24	100	0.9
82324	205	294	165	102	2400	5.1
82325	205	226	65	32	2400	0.8
82326	205	226	180	29	1250	0.5
82327	205	294	470	100	76	1.0
82328	205	226	550	20	295	1.1
82329	205	294	230	40	52	0.6
82330	205	226	1850	20	40	1.3
82331	205	294	605	21	42	0.5
82332	205	226	185	29	138	0.4
82333	205	226	860	52	160	1.2

NR96-50

CERTIFICATION: Stewart 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

Certificate Date: 19-SEP-96
Invoice No. :19631728
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9631728

NR96-50

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R						
82334	205	226	10	48	93	0.2						
82335	205	226	425	19	58	0.6						
82336	205	294	490	55	1450	1.2						
82337	205	294	640	32	1900	2.3						
82338	205	226	200	80	132	0.5						
82339	205	226	175	30	58	0.4						
82340	205	226	205	60	32	0.6						
82341	205	294	90	23	40	0.4						
82342	205	226	55	30	140	0.4						
82343	205	226	120	12	55	0.2						
82344	205	226	110	15	47	< 0.2						
82345	205	226	40	14	58	0.2						
82346	205	294	60	16	65	0.2						
82347	205	226	35	15	50	< 0.2						
82348	205	226	25	13	43	0.2						
82349	205	226	35	26	44	0.2						
82350	205	226	130	40	67	0.7						

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: 19-SEP-96
Invoice No. :19632018
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9632018

SAMPLE	PREP CODE		Au g/t	Pt g/t	Pd g/t	Cu %	Ni %	Co %	Ag g/t			
253622	255	295	1.02	0.84	4.06	4.81	2.50	0.090	52.3			
253623	255	295	0.42	2.66	7.14	1.92	4.68	0.141	32.0			
253624	255	295	0.78	8.12	17.50	2.88	4.70	0.086	53.8			
253625	255	295	0.24	5.04	11.05	2.51	4.51	0.106	44.0			
253626	255	295	0.60	4.76	7.98	10.60	2.39	0.180	120.0			

NR96051

CERTIFICATION: Said Ceina

Chemex Labs Ltd.

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

To: NUINSCO RESOURCES LIMITED

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

Certificate Date: 16-SEP-96
Invoice No. : I9632019
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9632019

SAMPLE	PREP CODE		Au ppb AFS	Pt ppb AFS	Pd ppb AFS	Cu ppm	Ag ppm Aqua R	Ni ppm	Co ppm			
253611	255	272	80	60	202	550	1.1	730	66			
253612	255	272	44	35	110	225	0.6	620	58			
253613	255	295	66	170	420	720	1.9	1350	73			
253614	255	295	176	155	612	1100	1.5	1950	88			
253615	255	295	118	5	42	470	0.7	196	31			
253616	255	295	96	130	472	580	0.9	1200	65			
253617	255	295	104	95	316	650	1.2	1150	64			
253618	255	295	886	590	1540	3800	5.8	3700	230			
253619	255	295	648	1020	2500	3000	4.5	>10000	240			
253620	255	295	352	1290	3040	8000	12.0	>10000	350			
253621	255	295	120	2550	3560	10000	13.8	>10000	490			
253627	255	295	472	1000	>10000	>10000	23.5	2100	210			

NR96-51

CERTIFICATION: Stewart Bichlmaier

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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: 21-SEP-96
Invoice No. :19632075
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9632075

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R						
72421	205	226	780	76	>10000	4.0						
72422	205	226	420	111	4400	5.2						
72423	205	226	970	116	9700	3.9						
72424	205	226	1590	137	1340	3.0						
72425	205	226	5650	97	2900	2.6						
72426	205	226	1540	64	1950	1.7						
72427	205	226	1490	78	1460	1.5						
72428	205	226	740	130	3600	1.9						
72429	205	226	55	33	233	0.4						
72430	205	226	85	37	138	0.6						
72431	205	226	1390	133	1750	5.5						
72432	205	226	380	31	133	1.0						
72433	205	226	80	21	280	1.0						
72434	205	226	75	18	347	0.8						
72435	205	294	90	13	135	1.2						
72436	205	294	75	10	77	1.0						
72437	205	226	40	12	133	0.5						
72438	205	226	185	20	158	0.7						
72439	205	226	115	27	77	0.4						
72440	205	226	70	23	61	0.4						
72441	205	226	445	24	335	1.5						
72442	205	294	1110	135	290	14.5						
72443	205	226	840	163	550	9.5						
72444	205	226	640	61	1950	6.8						
72445	205	294	940	182	1540	12.8						
72446	205	294	450	32	68	11.7						
72447	205	226	340	67	108	8.2						
72448	205	294	280	245	333	8.8						
72449	205	294	240	230	660	8.2						
72450	205	226	395	510	2200	3.0						
72451	205	294	560	180	405	4.2						
72452	205	294	365	740	180	4.9						
72453	205	226	485	120	241	2.8						
72454	205	226	1690	33	540	1.9						
72455	205	226	95	21	71	0.7						
72456	205	226	130	26	182	1.5						
72457	205	226	145	28	970	2.8						
72458	205	294	50	17	142	0.8						
72459	205	226	80	17	165	1.2						
72460	205	226	80	24	375	1.5						

NR96-47

CERTIFICATION:

Chemex Labs Ltd.

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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: 21-SEP-96
Invoice No. :19632075
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9632075

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R						
72461	205	226	60	35	430	1.7						
72462	205	226	45	19	217	1.0						
72463	205	226	30	23	52	1.6						
72464	205	294	25	36	137	1.7						
72465	205	226	30	28	112	1.9						
72466	205	226	60	12	92	5.4						
72467	205	226	50	25	91	7.1						
72468	205	226	85	17	110	11.2						
72469	205	294	125	16	250	20.2						
72470	205	226	35	7	121	4.3						
72471	205	226	260	64	900	51.0						
72472	205	226	145	42	530	38.5						
72473	205	294	250	95	198	65.0						
72474	205	226	270	52	200	58.0						
72475	205	226	320	69	278	52.0						
72476	205	226	190	250	1340	78.0						
72477	205	226	370	38	158	55.0						
72478	205	226	365	125	1870	71.0						
72479	205	226	300	69	860	100.0						
72480	205	226	190	107	1820	>100.0						
72481	205	226	465	144	2200	>100.0						
72482	205	226	355	55	2100	64.0						
72483	205	226	880	113	2200	100.0						
72484	205	226	235	15	383	13.8						
72485	205	226	80	18	92	1.6						
72486	205	226	40	17	71	0.9						
72487	205	226	20	19	100	1.3						
72488	205	226	25	12	66	0.5						
72489	205	226	20	26	54	0.5						
72490	205	226	20	141	1070	1.6						
72491	205	226	35	31	125	0.2						
72492	205	226	20	33	76	0.2						
72493	205	226	25	29	81	0.3						
72494	205	226	10	12	66	< 0.2						
72495	205	226	15	11	138	0.5						
72496	205	294	30	85	113	1.4						
72497	205	226	80	104	162	1.7						
72498	205	226	40	32	98	0.8						
72499	205	226	30	23	165	0.7						
72500	205	226	55	26	282	0.6						

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: 21-SEP-96
Invoice No. :I9632076
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9632076

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
253501	205	226	85	-----	64	151	1.5	-----
253502	205	226	110	-----	175	81	2.8	-----
253503	205	226	40	-----	15	70	0.5	-----
253504	205	226	75	-----	9	49	0.4	-----
253505	205	226	460	-----	310	4200	9.6	-----
253506	205	294	60	-----	13	204	0.5	-----
253507	205	226	30	-----	10	144	0.3	-----
253508	205	226	30	-----	8	148	0.4	-----
253509	205	226	760	-----	81	3000	1.3	-----
253510	205	226	1590	-----	295	5600	4.7	-----
253511	205	226	500	-----	450	8600	6.2	-----
253512	205	226	155	-----	68	1090	1.7	-----
253513	205	226	820	-----	193	4700	3.1	-----
253514	205	226	220	-----	53	930	1.4	-----
253515	205	226	475	-----	102	2700	2.0	-----
253516	205	226	1600	-----	275	>10000	3.0	-----
253517	205	226	180	-----	220	>10000	1.8	-----
253518	205	226	155	-----	53	2000	0.8	-----
253519	205	226	85	-----	57	1380	0.8	-----
253520	205	226	220	-----	30	390	1.2	-----
253521	205	226	155	-----	57	460	1.1	-----
253522	205	226	620	-----	50	189	0.6	-----
253523	205	226	100	-----	21	117	0.5	-----
253524	205	226	120	-----	13	174	0.7	-----
253525	205	226	140	-----	27	277	1.0	-----
253526	205	226	460	-----	30	1300	1.4	-----
253527	205	294	170	-----	17	141	0.9	-----
253628	205	226	135	-----	260	1330	0.6	-----
253629	205	226	280	-----	870	2300	1.4	-----
253630	205	226	480	-----	395	1560	1.2	-----
253631	205	226	455	-----	220	2300	1.8	-----
253632	205	226	975	-----	115	3000	1.4	-----
253633	205	226	>10000	107.05	4200	>10000	84.0	-----
253634	205	226	370	-----	87	380	1.7	-----
253635	205	226	810	-----	425	520	4.7	-----
253636	205	226	2710	-----	360	115	4.5	12
253637	205	226	600	-----	405	430	5.2	19
253638	205	226	410	-----	410	620	6.6	17
253639	205	226	390	-----	149	210	2.0	15
253640	205	226	370	-----	102	355	1.4	16

NRA96-51

CERTIFICATION: Ian Buchlan

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: 21-SEP-96
Invoice No. : I9632076
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9632076

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
NR96-51 253641	205	226	545	-----	112	790	1.7	17				

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

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: 28-SEP-96
Invoice No. :19632567
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9632567

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
253528	205	226	110	-----	21	24	100	0.4	-----
253529	205	226	115	-----	12	22	102	0.6	-----
253530	205	226	55	-----	16	20	125	0.3	-----
253531	205	226	110	-----	14	33	82	0.5	-----
253532	205	226	105	-----	19	18	70	0.3	7
253533	205	226	140	-----	20	22	132	0.4	-----
253534	205	226	185	-----	13	25	83	0.5	-----
253535	205	226	120	-----	19	23	76	0.4	-----
253536	205	226	100	-----	21	20	80	0.4	-----
253537	205	226	55	-----	28	53	290	0.6	-----
253538	205	226	135	-----	16	31	200	0.4	-----
253539	205	226	690	-----	22	82	224	5.5	-----
253540	205	226	150	-----	12	12	100	2.3	-----
253541	205	226	150	-----	13	15	212	3.9	-----
253542	205	226	420	-----	245	86	450	65.0	-----
253543	205	226	160	-----	14	15	124	5.2	-----
253544	205	226	170	-----	13	47	205	6.0	-----
253545	205	226	105	-----	33	75	270	14.4	-----
253546	205	226	210	-----	25	64	228	16.2	-----
253547	205	226	305	-----	24	52	278	33.0	-----
253548	205	226	70	-----	10	256	435	2.9	-----
253549	205	226	510	-----	136	98	>10000	14.8	-----
253550	205	226	275	-----	50	385	3450	9.0	-----
253551	205	226	260	-----	33	70	2500	3.3	-----
253552	205	226	985	-----	45	40	3250	5.8	-----
253553	205	226	150	-----	15	21	760	2.1	-----
253554	205	226	1060	-----	61	200	720	9.7	-----
253555	205	226	540	-----	72	360	4400	20.5	-----
253556	205	226	215	-----	9	8	485	1.4	-----
253557	205	226	235	-----	11	13	1650	1.7	-----
253558	205	226	325	-----	45	40	7550	3.7	-----
253559	205	226	1040	-----	53	80	>10000	6.6	-----
253560	205	226	255	-----	36	50	3500	2.1	-----
253561	205	226	180	-----	19	52	2850	1.8	-----
253562	205	226	290	-----	18	17	2700	2.1	-----
253563	205	226	300	-----	32	5	>10000	2.0	-----
253564	205	226	110	-----	16	12	>10000	1.4	-----
253565	205	226	100	-----	26	24	5100	2.4	-----
253566	205	226	130	-----	13	27	>10000	4.4	-----
253567	205	226	200	-----	18	26	3550	2.0	-----

NR96-51

CERTIFICATION: Stuart Bichler

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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 :2
Total Pages :4
Certificate Date: 28-SEP-96
Invoice No. :19632567
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9632567

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
253568	205 226	130	-----	34	15	10000	2.5	-----
253569	205 226	150	-----	34	22	2600	1.8	-----
253570	205 226	135	-----	56	62	970	4.5	-----
253571	205 226	65	-----	24	33	4750	1.9	-----
253572	205 226	200	-----	16	24	1600	1.6	-----
253573	205 226	140	-----	17	65	3450	2.6	-----
253574	205 226	380	-----	18	445	7950	5.6	-----
253575	205 226	100	-----	9	43	255	0.6	-----
253576	205 226	265	-----	28	110	1350	2.6	-----
253577	205 226	1050	-----	15	21	1050	2.6	-----
253578	205 226	2260	-----	67	27	9400	5.8	-----
253579	205 226	1830	-----	130	22	4850	8.2	-----
253580	205 226	>10000	10.90	95	30	>10000	24.8	-----
253581	205 226	4050	-----	20	36	2700	3.8	-----
253582	205 226	640	-----	18	90	1300	2.7	-----
253583	205 226	980	-----	57	13	>10000	1.6	-----
253584	205 226	765	-----	25	10	1350	0.5	-----
253585	205 226	475	-----	41	13	>10000	1.3	-----
253586	205 226	685	-----	37	11	1750	1.2	-----
253587	205 226	410	-----	37	4	1500	0.5	-----
253588	205 226	610	-----	40	5	4300	1.0	-----
253589	205 226	1360	-----	36	7	1700	0.7	-----
253590	205 226	1260	-----	35	70	1850	1.3	-----
253591	205 226	770	-----	43	44	3400	1.0	-----
253592	205 226	595	-----	51	31	3450	1.0	-----
253593	205 226	735	-----	69	50	7450	1.1	-----
253594	205 226	520	-----	36	118	620	1.0	-----
253595	205 226	630	-----	56	130	920	1.4	-----
253596	205 226	860	-----	89	50	1350	1.6	-----
253597	205 226	105	-----	174	15	520	1.0	-----
253598	205 226	465	-----	88	29	720	0.9	-----
253599	205 226	75	-----	68	10	340	0.5	-----
253600	205 226	95	-----	42	7	620	0.3	-----
253601	205 226	60	-----	31	31	470	0.5	-----
253602	205 226	335	-----	57	8	120	0.5	-----
253603	205 226	75	-----	30	65	182	1.2	-----
253604	205 226	420	-----	21	45	435	0.5	-----
253605	205 226	250	-----	55	54	1300	0.5	-----
253606	205 226	25	-----	9	12	240	0.4	-----
253607	205 226	35	-----	14	7	205	0.7	-----

NR96-51

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

Certificate Date: 28-SEP-96
Invoice No. : I9632567
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9632567

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
253608	205	226	50	-----	30	23	102	0.2	-----
253609	205	226	15	-----	4	14	120	0.2	-----
253610	205	226	< 5	-----	11	8	155	0.3	-----
253642	205	226	320	-----	68	16	2700	1.3	20
253643	205	226	465	-----	65	17	1900	1.0	-----
253644	205	226	5090	-----	340	145	8700	9.2	-----
253645	205	226	2840	-----	360	220	4100	4.4	-----
253646	205	226	3580	-----	1750	2150	>10000	23.8	-----
253647	205	226	1880	-----	1050	1200	3300	82.0	-----
253648	205	226	765	-----	2250	110	700	17.8	-----
253649	205	294	525	-----	235	50	560	4.3	-----
253650	205	226	605	-----	109	31	1550	3.1	-----
253651	205	226	230	-----	137	28	1200	3.1	-----
253652	205	226	795	-----	405	30	230	7.0	-----
253653	205	226	460	-----	93	35	3000	3.0	-----
253654	205	226	1330	-----	2000	260	2650	16.8	-----
253655	205	226	8340	-----	1050	440	2750	24.5	-----
253656	205	226	1500	-----	440	92	1500	4.5	-----
253657	205	226	>10000	35.31	6200	700	1950	46.0	-----
253658	205	226	2660	-----	135	120	2000	3.3	-----
253659	205	226	4610	-----	77	245	375	6.8	-----
253660	205	226	1390	-----	64	55	275	2.1	-----
253661	205	226	1990	-----	750	70	225	12.2	-----
253662	205	226	325	-----	114	23	145	2.0	-----
253663	205	226	150	-----	56	48	254	1.6	-----
253664	205	226	545	-----	400	182	2650	11.7	-----
253665	205	226	1800	-----	176	78	340	5.3	-----
253666	205	226	770	-----	500	860	1900	12.2	-----
253667	205	226	345	-----	57	62	112	2.3	-----
253668	205	226	3260	-----	315	1800	2150	24.8	-----
253669	205	226	525	-----	112	285	570	4.8	-----
253670	205	226	1740	-----	790	2050	3750	25.2	-----
253671	205	226	365	-----	55	112	165	2.4	-----
253672	205	226	605	-----	82	275	2350	2.2	-----
253673	205	226	825	-----	55	312	1850	2.4	-----
253674	205	226	365	-----	250	2300	5700	10.3	-----
253675	205	226	210	-----	133	1900	3350	9.0	-----
253676	205	226	255	-----	25	94	225	2.8	-----
253677	205	226	200	-----	21	54	142	3.6	-----
253678	205	226	110	-----	16	50	172	2.4	-----

NR96-51

CERTIFICATION: [signature]

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: 28-SEP-96
Invoice No. : 19632567
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9632567

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm			
253679	205	226	280	-----	18	68	250	6.0	-----			
253680	205	226	125	-----	16	34	140	3.6	-----			
253681	205	226	160	-----	16	35	132	2.1	-----			
253682	205	226	105	-----	41	52	155	5.4	-----			
253683	205	226	155	-----	27	52	140	4.1	-----			
253684	205	226	135	-----	21	36	120	2.0	-----			
253685	205	226	200	-----	25	73	155	3.7	-----			
253686	205	226	355	-----	26	78	185	4.2	-----			
253687	205	226	215	-----	20	52	310	2.8	-----			
253688	205	226	180	-----	29	260	420	6.8	-----			
253689	205	226	130	-----	27	63	196	6.0	-----			
253690	205	226	100	-----	36	102	266	5.2	-----			
253691	205	226	200	-----	22	168	850	8.0	-----			
253692	205	226	155	-----	58	140	280	6.5	-----			
253693	205	226	65	-----	32	34	132	2.5	-----			

NR96-51

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

NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Page Nu. :1
Total Pages :3
Certificate Date: 09-OCT-96
Invoice No. :I9634156
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9634156

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
253694	205	226	670	100	3150	6.6	-----
253695	205	226	3590	134	9300	10.6	-----
253696	205	226	1680	42	1550	2.3	-----
253697	205	226	1960	85	3450	6.0	-----
253698	205	226	1310	22	500	2.0	-----
253699	205	226	1830	32	1250	5.3	-----
253700	205	294	385	18	2100	4.2	-----
253701	205	226	360	16	200	0.7	-----
253702	205	226	185	32	121	1.0	-----
253703	205	226	90	27	97	0.2	-----
253704	205	226	165	31	1700	0.5	-----
253705	205	226	360	44	1350	0.9	-----
253706	205	226	740	154	7100	10.0	-----
253707	205	294	240	64	920	4.1	-----
253708	205	226	325	16	970	1.4	-----
253709	205	226	40	55	123	0.4	-----
253710	205	226	265	19	1670	0.6	-----
253711	205	226	380	35	2350	1.8	-----
253712	205	226	290	35	2250	1.0	-----
253713	205	226	3240	17	1310	3.3	-----
253714	205	226	140	26	1450	0.9	-----
253715	205	294	90	22	1730	0.6	-----
253716	205	226	320	30	2150	1.0	-----
253717	205	226	355	70	10000	1.5	-----
253718	205	226	220	43	3050	1.2	-----
253719	205	226	2580	76	7300	4.0	-----
253720	205	294	890	55	2850	2.7	-----
253721	205	226	3130	42	1540	2.8	-----
253722	205	226	280	32	2000	0.7	-----
253723	205	226	940	50	4300	1.8	-----
253724	205	226	780	36	3000	1.1	-----
253725	205	226	1120	93	3650	1.5	-----
253726	205	226	2090	62	2400	2.9	-----
253727	205	226	3360	72	>10000	2.0	-----
253728	205	294	1300	127	9700	2.7	-----
253729	205	294	50	22	141	0.2	-----
253730	205	226	145	15	106	< 0.2	-----
253731	205	226	120	26	710	0.6	-----
253732	205	294	180	29	229	1.4	-----
253733	205	226	110	19	137	0.3	-----

NR96-52

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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

NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 09-OCT-96
Invoice No. :19634156
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9634156

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm					
253734	205	226	75	29	90	0.4	-----					
253735	205	226	170	30	123	0.3	-----					
253736	205	226	195	33	1160	2.1	-----					
253737	205	226	110	18	465	1.1	-----					
253738	205	226	145	26	500	1.4	-----					
253739	205	226	110	11	545	0.7	-----					
253740	205	226	200	7	465	0.6	-----					
253741	205	226	220	18	76	0.7	-----					
253742	205	226	185	9	70	0.5	-----					
253743	205	226	115	10	68	0.6	-----					
253744	205	294	345	14	120	0.8	-----					
253745	205	294	510	11	176	0.8	-----					
253746	205	226	3780	165	4200	16.8	-----					
253747	205	226	435	14	410	1.6	-----					
253748	205	226	15	102	75	0.2	42					
253749	205	226	245	11	103	0.5	-----					
253750	205	226	205	16	82	0.7	-----					
253751	205	226	140	13	64	0.5	-----					
253752	205	226	130	13	57	0.5	-----					
253753	205	226	570	18	1080	0.7	-----					
253754	205	226	600	33	7300	1.8	-----					
253755	205	226	45	21	74	0.5	-----					
253756	205	226	100	12	65	0.3	-----					
253757	205	226	70	12	60	0.2	-----					
253758	205	226	200	98	84	1.8	-----					
253759	205	226	1220	146	3100	6.5	-----					
253760	205	226	260	205	150	2.6	-----					
253761	205	226	185	112	650	1.8	-----					
253762	205	226	275	82	1250	2.1	-----					
253763	205	226	325	200	1270	2.6	-----					
253764	205	226	420	248	3550	5.8	-----					
253765	205	226	570	96	2900	3.8	-----					
253766	205	226	750	700	3450	10.2	-----					
253767	205	226	595	200	2000	8.5	-----					
253768	205	226	930	300	2250	9.6	-----					
253769	205	226	630	2000	3200	11.5	-----					
253770	205	226	4990	950	1680	58.0	-----					
253771	205	226	840	1650	1770	18.0	-----					
253772	205	226	340	190	500	4.0	-----					
253773	205	226	520	445	188	7.0	-----					

NR96-52

CERTIFICATION: Ian Butler

Chemex Labs Ltd.

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

NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Page Nu. :3
Total Pages :3
Certificate Date: 09-OCT-96
Invoice No. :19634156
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9634156

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm					
253774	205	226	2840	1560	6300	26.5	-----					
253775	205	226	2890	430	1320	8.3	-----					
253776	205	226	7840	200	780	14.8	-----					
253777	205	226	1480	68	1080	3.4	-----					
253778	205	226	750	180	169	5.0	-----					
253779	205	226	1640	980	251	15.8	-----					
253780	205	226	1430	188	197	3.5	-----					
253781	205	226	870	87	158	3.3	-----					
253782	205	226	375	30	1200	2.6	-----					
253783	205	226	160	40	1230	5.2	-----					
253784	205	226	165	40	1470	3.5	-----					
253785	205	226	210	28	275	2.0	-----					
253786	205	226	115	38	600	1.8	-----					
253787	205	226	100	28	1330	2.7	-----					
253788	205	226	330	48	5900	10.7	-----					
253789	205	226	125	28	3200	4.2	-----					
253790	205	294	175	23	157	3.8	-----					
253791	205	294	140	22	141	1.5	-----					
253792	205	226	375	27	117	3.4	-----					
253793	205	226	680	56	455	26.5	-----					
253794	205	226	210	22	206	8.6	-----					
253795	205	226	105	17	129	5.0	-----					
253796	205	226	115	22	385	0.7	-----					
253797	205	226	15	12	27	0.3	-----					

NR96-52

CERTIFICATION:

Chemex Labs Ltd.

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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: 18-OCT-96
Invoice No. :I9635778
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9635778

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
253798	205	226	180	-----	225	6	225	1.6	-----
253799	205	226	30	-----	9	4	53	< 0.2	-----
253800	205	226	25	-----	7	2	60	0.4	-----
253801	205	226	35	-----	119	10	320	1.4	-----
253802	205	226	345	-----	15	27	72	0.6	-----
253803	205	226	620	-----	67	48	240	1.4	-----
253804	205	226	185	-----	12	40	65	0.4	-----
253805	205	226	415	-----	12	30	79	0.6	-----
253806	205	226	425	-----	15	42	77	0.8	-----
253807	205	226	165	-----	15	35	79	0.4	-----
253808	205	226	505	-----	22	60	181	0.6	-----
253809	205	226	110	-----	25	76	143	0.4	-----
253810	205	226	110	-----	8	40	91	0.4	-----
253811	205	226	1250	-----	90	205	215	2.0	-----
253812	205	226	130	-----	24	83	115	0.4	-----
253813	205	226	260	-----	4	370	2100	1.6	-----
253814	205	226	195	-----	7	107	100	1.0	-----
253815	205	226	140	-----	12	52	92	0.4	-----
253816	205	226	170	-----	28	290	148	0.8	-----
253817	205	226	90	-----	17	130	310	0.8	-----
253818	205	226	510	-----	20	33	90	0.8	-----
253819	205	226	745	-----	46	76	215	1.2	-----
253820	205	226	135	-----	23	103	121	0.8	-----
253821	205	226	730	-----	38	143	340	1.0	-----
253822	205	226	220	-----	16	36	154	0.4	-----
253823	205	226	230	-----	17	220	640	1.2	-----
253824	205	226	310	-----	24	50	420	1.2	-----
253825	205	226	75	-----	9	25	65	0.6	-----
253826	205	226	1240	-----	27	640	1950	1.0	-----
253827	205	226	645	-----	75	29	1700	0.4	-----
253828	205	226	500	-----	12	20	134	0.4	-----
253829	205	226	125	-----	36	260	530	0.6	-----
253830	205	226	375	-----	73	300	8400	1.2	-----
253831	205	226	420	-----	62	2600	3400	3.6	-----
253832	205	226	255	-----	55	90	2000	1.0	-----
253833	205	226	230	-----	40	220	1600	1.4	-----
253834	205	226	820	-----	71	86	3600	1.0	-----
253835	205	226	500	-----	49	83	2100	1.4	-----
253836	205	226	225	-----	41	27	2800	0.8	-----
253837	205	226	800	-----	65	34	4300	1.2	-----

NR96-53

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: 18-OCT-96
Invoice No. : I9635778
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9635778

NR96-53

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
253838	205	226	710	-----	132	120	4900	1.8	-----
253839	205	226	>10000	14.09	510	250	8500	12.6	-----
253840	205	226	970	-----	72	48	2300	1.2	-----
253841	205	226	2100	-----	63	29	2000	3.0	-----
253842	205	226	1580	-----	38	44	800	1.4	-----
253843	205	226	265	-----	41	55	1800	1.2	-----
253844	205	226	155	-----	118	55	5100	1.4	-----
253845	205	226	530	-----	220	3600	3300	11.4	-----
253846	205	226	40	-----	17	630	610	3.4	-----
253847	205	226	980	-----	55	540	6600	3.4	-----
253848	205	226	8450	-----	86	161	5900	5.6	-----
253849	205	226	1560	-----	128	62	5000	1.8	-----
253850	205	226	830	-----	158	24	5800	2.0	-----
253851	205	226	680	-----	84	9	5700	1.2	-----
253852	205	226	720	-----	110	9	6000	1.4	-----
253853	205	226	590	-----	85	13	3800	1.0	-----
253854	205	226	9440	-----	510	66	>10000	10.0	1.80
253855	205	226	1180	-----	130	27	5200	1.6	-----
253856	205	226	925	-----	62	113	2800	1.4	-----
253857	205	226	505	-----	90	9	5800	1.0	-----
253858	205	226	460	-----	260	10	5100	1.8	-----
253859	205	226	535	-----	183	14	7100	1.6	-----
253860	205	226	1210	-----	70	9	2000	2.0	-----

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: [illegible] RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Page N. :1
Total Pages :2
Certificate Date: 18-OCT-96
Invoice No. :19635779
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9635779

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Zn %		
253861	205 226	530	-----	106	30	3000	0.8	-----	-----		
253862	205 226	540	-----	82	400	2100	2.2	-----	-----		
253863	205 226	340	-----	173	31	5800	1.6	-----	-----		
253864	205 226	3740	-----	355	84	3700	7.2	-----	-----		
253865	205 226	330	-----	129	18	6400	2.0	-----	-----		
253866	205 226	440	-----	97	35	3800	1.2	-----	-----		
253867	205 226	625	-----	62	112	1550	1.0	-----	-----		
253868	205 226	3150	-----	152	78	4800	2.2	-----	-----		
253869	205 226	1080	-----	51	20	3300	1.2	-----	-----		
253870	205 226	1320	-----	46	11	2400	1.8	-----	-----		
253871	205 226	3210	-----	36	12	1650	1.4	-----	-----		
253872	205 226	880	-----	113	11	3400	1.0	-----	-----		
253873	205 226	660	-----	73	10	1850	1.4	-----	-----		
253874	205 226	>10000	41.52	240	22	2600	6.0	-----	-----		
253875	205 226	900	-----	92	23	2500	1.6	-----	-----		
253876	205 226	730	-----	137	141	4000	2.8	-----	-----		
253877	205 226	260	-----	126	144	5300	2.0	-----	-----		
253878	205 226	860	-----	157	68	>10000	2.2	-----	1.73		
253879	205 226	165	-----	39	86	1250	0.8	-----	-----		
253880	205 226	110	-----	37	38	1350	0.4	-----	-----		
253881	205 226	520	-----	57	12	4900	0.8	-----	-----		
253882	205 226	345	-----	20	9	1550	1.0	-----	-----		
253883	205 226	175	-----	13	8	640	0.6	-----	-----		
253884	205 226	160	-----	11	11	800	0.6	-----	-----		
253885	205 226	240	-----	46	116	3300	2.0	-----	-----		
253886	205 226	30	-----	99	25	340	1.6	47	-----		
253887	205 226	65	-----	24	116	1900	1.4	-----	-----		
253888	205 226	120	-----	50	10	7800	2.6	-----	-----		
253889	205 226	2850	-----	31	8	2000	10.6	-----	-----		
253890	205 226	250	-----	57	4	5500	1.2	-----	-----		
253891	205 226	150	-----	21	2	2050	0.8	-----	-----		
253892	205 226	230	-----	21	5	5500	1.0	-----	-----		
253893	205 226	620	-----	11	5	750	1.0	-----	-----		
253894	205 226	370	-----	30	5	4000	0.8	-----	-----		
253895	205 226	155	-----	28	4	2000	0.4	-----	-----		
253896	205 226	230	-----	27	4	360	0.8	-----	-----		
253897	205 226	230	-----	21	5	920	0.8	-----	-----		
253898	205 226	235	-----	55	7	2600	0.6	-----	-----		
253899	205 226	240	-----	129	10	5600	0.8	-----	-----		
253900	205 226	125	-----	70	3	3200	1.4	-----	-----		

NR 96-53

CERTIFIED BY: 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: 18-OCT-96
Invoice No. :19635779
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9635779

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Zn %		
253901	205 226	130	-----	35	4	1700	0.6	-----	-----		
253902	205 226	285	-----	28	3	1800	0.8	-----	-----		
253903	205 226	150	-----	50	< 1	1850	0.4	-----	-----		
253904	205 226	325	-----	76	2	2800	1.0	-----	-----		
253905	205 226	145	-----	58	6	1400	0.8	-----	-----		
253906	205 226	80	-----	15	4	1100	0.4	-----	-----		
253907	205 226	45	-----	16	5	1350	0.4	-----	-----		
253908	205 226	30	-----	6	14	720	0.4	-----	-----		
253909	205 226	30	-----	21	14	820	1.0	-----	-----		
253910	205 226	40	-----	18	6	680	0.6	-----	-----		
253911	205 226	155	-----	22	6	490	0.6	-----	-----		
253912	205 226	3190	-----	310	18	3400	2.0	-----	-----		
253913	205 226	300	-----	48	11	620	0.6	-----	-----		
253914	205 226	2970	-----	80	30	158	2.0	-----	-----		
253915	205 226	560	-----	21	39	1100	1.2	-----	-----		
253916	205 226	740	-----	35	86	1800	2.0	-----	-----		
253917	205 226	610	-----	167	118	5300	2.6	-----	-----		
253918	205 226	205	-----	26	28	2100	1.0	-----	-----		
253919	205 226	710	-----	82	20	5300	2.0	-----	-----		
253920	205 226	405	-----	35	19	2300	1.4	-----	-----		
253921	205 226	855	-----	24	21	1950	1.4	-----	-----		
253922	205 226	260	-----	19	20	1900	1.0	-----	-----		
253923	205 226	360	-----	36	18	1100	1.0	-----	-----		
253924	205 226	2230	-----	49	13	3200	3.8	-----	-----		
253925	205 226	630	-----	90	75	5100	1.0	-----	-----		
253926	205 226	230	-----	55	41	650	2.2	-----	-----		
253927	205 226	285	-----	31	46	430	1.8	-----	-----		
253928	205 226	155	-----	26	28	350	1.6	-----	-----		
253929	205 226	85	-----	25	16	74	0.8	-----	-----		
253930	205 226	435	-----	151	27	2100	2.0	-----	-----		

NR96-53

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

Page Number :1
Total Pages :2
Certificate Date: 29-OCT-96
Invoice No. :19637513
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9637513

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
71901	205	226	35	100	13	390	2.4	-----
71902	205	226	25	260	< 1	370	2.2	-----
71903	205	226	150	23	8	176	0.6	-----
71904	205	226	135	15	3	108	0.4	-----
71905	205	226	280	25	8	1100	0.8	-----
71906	205	226	60	18	24	88	0.6	-----
71907	205	226	200	85	2600	1450	15.6	-----
71908	205	226	180	36	650	3600	3.8	-----
71909	205	226	1160	40	74	197	1.2	-----
71910	205	226	695	112	330	630	2.6	-----
71911	205	226	720	16	78	205	1.2	-----
71912	205	226	130	23	35	91	0.8	-----
71913	205	226	230	76	310	960	3.4	-----
71914	205	226	65	20	29	50	1.2	-----
71915	205	226	135	19	71	610	0.8	-----
71916	205	226	300	7	104	240	0.6	-----
71917	205	226	230	78	215	2050	1.2	-----
71918	205	226	600	26	70	700	0.8	-----
71919	205	226	560	115	270	3100	3.0	-----
71920	205	226	400	189	230	3800	2.6	-----
71921	205	226	195	72	260	2000	1.2	-----
71922	205	226	310	20	41	450	0.6	-----
71923	205	226	310	31	163	900	1.2	-----
71924	205	226	3800	116	80	>10000	3.2	1.18
71925	205	226	1210	39	6	1150	1.0	-----
71926	205	226	850	90	7	2800	1.0	-----
71927	205	226	510	69	10	3000	0.8	-----
71928	205	226	880	50	23	2900	0.8	-----
71929	205	226	550	62	15	1100	0.6	-----
71930	205	226	1100	98	17	6000	0.8	-----
71931	205	226	730	162	89	3400	1.2	-----
71932	205	226	260	78	560	3200	1.2	-----
71933	205	226	495	42	820	1000	1.4	-----
71934	205	226	205	18	8	160	< 0.2	-----
71935	205	226	265	165	14	8300	0.6	-----
71936	205	226	225	23	5	560	0.4	-----
71937	205	226	525	220	26	790	1.0	-----
71938	205	226	250	155	10	680	0.8	-----
71939	205	226	120	16	3	420	0.4	-----
71940	205	226	205	64	< 1	1400	0.6	-----

NR96-55

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: 29-OCT-96
Invoice No. : 19637513
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9637513

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Zn %
71941	205	226	200	28	2	650	< 0.2	-----
71942	205	226	450	65	9	690	0.6	-----
71943	205	226	1120	2250	4	>10000	5.6	1.79
71944	205	226	125	17	< 1	160	0.4	-----
71945	205	226	70	17	< 1	140	< 0.2	-----
71946	205	226	210	47	< 1	700	0.4	-----
71947	205	226	140	19	< 1	490	0.4	-----
71948	205	226	110	30	3	108	0.4	-----
71949	205	226	120	14	< 1	57	0.8	-----
71950	205	226	350	123	< 1	500	2.2	-----

CERTIFICATION: Adriana Alexandru

Chemex Labs Ltd.

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

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ETOBICOKE, ON
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Project :
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Page Number :1
Total Pages :3
Certificate Date: 29-OCT-96
Invoice No. :19637514
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9637514

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Ag g/t			
253931	205	226	130	27	19	75	1.2	-----	-----			
253932	205	226	50	15	163	215	1.4	-----	-----			
253933	205	226	860	24	78	173	2.4	-----	-----			
253934	205	226	220	35	11	560	1.0	-----	-----			
253935	205	226	95	21	92	134	1.4	-----	-----			
253936	205	226	615	200	34	6000	3.6	-----	-----			
253937	205	226	760	164	8	4100	2.2	-----	-----			
253938	205	226	25	8	< 1	61	0.4	-----	-----			
253939	205	226	145	23	36	450	1.2	-----	-----			
253940	205	226	90	19	< 1	169	0.6	-----	-----			
253941	205	226	125	22	< 1	122	0.6	-----	-----			
253942	205	226	80	43	29	55	2.0	-----	-----			
253943	205	226	260	35	9	25	6.0	-----	-----			
253944	205	226	890	65	24	21	>100.0	-----	182.0			
253945	205	226	25	8	2	44	1.2	-----	-----			
253946	205	226	25	9	6	43	1.2	-----	-----			
253947	205	226	70	109	4	182	1.8	-----	-----			
253948	205	226	25	24	6	56	0.6	-----	-----			
253949	205	226	40	6	7	62	0.6	-----	-----			
253950	205	226	40	10	6	70	0.4	-----	-----			
253951	205	226	10	-----	-----	-----	-----	230	-----			
253952	205	226	50	10	< 1	330	1.0	-----	-----			
253953	205	226	30	14	4	116	0.6	-----	-----			
253954	205	226	590	22	22	470	0.6	-----	-----			
253955	205	226	65	16	32	130	0.4	-----	-----			
253956	205	226	25	38	7	340	0.8	-----	-----			
253957	205	226	120	92	12	1200	1.0	-----	-----			
253958	205	226	160	88	10	500	1.4	-----	-----			
253959	205	226	50	89	8	280	1.0	-----	-----			
253960	205	226	55	65	10	152	1.2	-----	-----			
253961	205	226	60	57	10	103	1.0	-----	-----			
253962	205	226	240	55	14	149	0.4	-----	-----			
253963	205	226	135	50	21	182	0.6	-----	-----			
253964	205	226	55	59	12	240	0.8	-----	-----			
253965	205	226	120	64	8	140	0.6	-----	-----			
253966	205	226	170	41	5	210	0.8	-----	-----			
253967	205	226	30	23	16	1250	1.0	-----	-----			
253968	205	226	40	2	< 1	104	0.4	-----	-----			
253969	205	226	170	4	< 1	195	0.6	-----	-----			
253970	205	226	40	34	6	330	0.2	-----	-----			

NR96-53

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: 29-OCT-96
Invoice No. :I9637514
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9637514

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Ag g/t			
253971	205 226	50	42	7	650	0.6	-----	-----			
253972	205 226	55	35	7	400	0.4	-----	-----			
253973	205 226	50	113	10	145	1.0	-----	-----			
253974	205 226	80	46	4	120	1.2	-----	-----			
253975	205 226	30	10	< 1	92	0.4	-----	-----			
253976	205 226	620	37	< 1	58	0.8	-----	-----			
253977	205 226	65	24	< 1	51	0.6	-----	-----			
253978	205 226	45	11	6	100	0.6	-----	-----			
253979	205 226	60	10	3	115	0.6	-----	-----			
253980	205 226	25	6	< 1	50	0.4	-----	-----			
253981	205 226	40	8	< 1	38	0.4	-----	-----			
253982	205 226	45	9	< 1	32	0.6	-----	-----			
253983	205 226	40	5	< 1	41	0.4	-----	-----			
253984	205 226	310	9	< 1	40	0.4	-----	-----			
253985	205 226	45	9	4	26	0.2	-----	-----			
253986	205 226	90	40	< 1	25	0.4	-----	-----			
253987	205 226	40	44	< 1	48	0.4	-----	-----			
253988	205 226	45	15	< 1	58	0.2	-----	-----			
253989	205 226	55	22	< 1	56	< 0.2	-----	-----			
253990	205 226	30	22	< 1	57	< 0.2	-----	-----			
253991	205 226	25	10	3	41	< 0.2	-----	-----			
253992	205 226	85	28	5	55	0.2	-----	-----			
253993	205 226	50	27	4	51	0.4	-----	-----			
253994	205 226	45	61	< 1	54	< 0.2	-----	-----			
253995	205 226	205	205	< 1	54	0.8	-----	-----			
253996	205 226	75	175	2	90	0.6	-----	-----			
253997	205 226	315	1450	< 1	122	3.0	-----	-----			
253998	205 226	70	470	< 1	55	0.6	-----	-----			
253999	205 226	15	22	< 1	39	< 0.2	-----	-----			
254000	205 226	160	195	< 1	84	0.4	-----	-----			
254001	205 226	100	72	< 1	680	0.8	-----	-----			
254002	205 226	170	65	3	430	0.8	-----	-----			
254003	205 226	125	51	< 1	370	0.8	-----	-----			
254004	205 226	160	163	12	440	2.6	-----	-----			
254005	205 226	225	38	4	570	0.8	-----	-----			
254006	205 226	210	98	15	400	2.0	-----	-----			
254007	205 226	225	89	17	520	2.4	-----	-----			
254008	205 226	360	90	15	2000	1.6	-----	-----			
254009	205 226	150	27	15	1450	1.2	-----	-----			
254010	205 226	235	22	27	790	0.8	-----	-----			

NR96-53

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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: 29-OCT-96
Invoice No. : I9637514
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9637514

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Ag g/t
254011	205	226	275	17	109	85	0.8	-----	-----
254012	205	226	145	48	255	114	0.8	-----	-----
254013	205	226	10	-----	-----	-----	-----	80	-----

CERTIFICATION: Adriana Alexandru

Chemex Labs Ltd.

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

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

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Invoice No. :I9720592
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9720592

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Zn ppm	Ag ppm Aqua R
486501	255	295	90	7	94	0.2
486502	255	295	160	18	98	1.0
486503	255	295	130	14	73	0.3
486504	255	295	125	12	93	0.2
486505	255	295	80	24	111	0.2
486506	255	295	110	9	72	0.3
486507	255	295	540	26	155	0.6
486508	255	295	150	30	410	0.8
486509	255	295	210	54	305	1.8
486510	255	295	90	14	168	0.3
486511	255	295	200	21	89	0.5
486512	255	295	140	32	350	0.9
486513	255	295	380	35	470	3.6
486514	255	295	505	26	83	0.5
486515	255	295	145	31	121	1.5
486516	255	295	340	17	52	0.5
486517	255	295	60	13	450	0.9
486518	255	295	630	14	45	0.9
486519	255	295	270	14	115	0.6
486520	255	295	70	20	80	0.5
486521	255	295	75	14	79	0.4
486522	255	295	115	17	83	0.5
486523	255	295	55	11	51	0.3
486524	255	295	70	12	83	0.5
486525	255	295	115	17	68	0.2
486526	255	295	385	30	147	0.5
486527	255	295	250	66	900	2.2
486528	255	295	105	27	156	0.7
486529	255	295	50	14	151	0.8
486530	255	295	40	11	46	< 0.2
486531	255	295	60	12	30	< 0.2
486532	255	295	60	21	63	0.2
486533	255	295	80	24	220	0.8
486534	255	295	65	16	365	0.3
486535	255	295	140	25	930	0.7
486536	255	295	310	41	890	0.3
486537	255	295	185	53	2300	0.4
486538	255	295	220	110	3350	1.1
486539	255	295	175	83	2800	1.3
486540	255	295	150	42	1150	0.4

NR96-55

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

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Invoice No. :I9720592
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9720592

SAMPLE	PREP CODE	Au ppb RUSH	Cu ppm	Zn ppm	Ag ppm Aqua R
486541	255 295	310	31	124	< 0.2
486542	255 295	670	18	184	0.5
486543	255 295	195	13	105	< 0.2
486544	255 295	145	12	137	0.3
486545	255 295	210	18	121	0.2
486546	255 295	250	30	96	0.2
486547	255 295	60	20	102	0.2
486548	255 295	110	13	88	0.2
486549	255 295	165	14	80	0.2
486550	255 295	460	16	260	< 0.2
486551	255 295	215	15	164	< 0.2
486552	255 295	225	16	105	< 0.2
486553	255 295	150	26	148	0.2
486554	255 295	190	15	360	< 0.2
486555	255 295	205	19	440	< 0.2
486556	255 295	420	15	180	< 0.2
486557	255 295	1110	34	285	< 0.2
486558	255 295	280	46	1050	< 0.2
486559	255 295	535	210	3000	0.9
486560	255 295	2250	43	475	1.2
486561	255 295	45	14	95	< 0.2
486562	255 295	175	35	340	< 0.2
486563	255 295	725	25	415	< 0.2
486564	255 295	445	57	290	< 0.2
486565	255 295	100	105	1450	5.2
486566	255 295	135	10	84	< 0.2
486567	255 295	110	46	415	< 0.2
486568	255 295	100	21	139	0.3
486569	255 295	175	26	97	0.6
486570	255 295	140	25	64	0.3
486571	255 295	15	23	182	< 0.2
486572	255 295	1060	26	740	1.5
486573	255 295	4080	44	550	3.0
486574	255 295	260	18	187	1.9
486575	255 295	320	18	88	1.6
486576	255 295	590	17	131	1.8
486577	255 295	345	18	129	2.5
486578	255 295	935	21	150	6.9
486579	255 295	400	18	69	3.0
486580	255 295	390	18	113	2.0

NR96-55

CERTIFICATION: Stan Bechler

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: 21-APR-97
Invoice No. : I9720592
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9720592

NR96-55

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Zn ppm	Ag ppm Aqua R
486581	255	295	370	14	107	1.3
486582	255	295	190	14	67	0.8
486583	255	295	200	13	67	0.9
486584	255	295	380	21	52	1.0
486585	255	295	505	38	152	1.0
486586	255	295	170	25	142	0.4
486587	255	295	95	12	83	0.4
486588	255	295	210	15	105	0.4
486589	255	295	145	26	430	0.5
486590	255	295	65	30	96	0.7
486591	255	295	50	26	115	1.0
486592	255	295	115	50	790	3.1
486593	255	295	120	26	100	0.4
486594	255	295	80	21	265	0.5

CERTIFICATION: Stan Buchler

Chemex Labs Ltd.

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

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ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 29-OCT-96
Invoice No. :19637516
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9637516

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Ag g/t
254014	205 226	205	25	66	580	1.2	-----	-----
254015	205 226	300	10	45	800	1.0	-----	-----
254016	205 226	435	19	43	3100	1.4	-----	-----
254017	205 226	680	32	15	2400	1.4	-----	-----
254018	205 226	855	20	8	1900	0.8	-----	-----
254019	205 226	390	33	27	1900	1.0	-----	-----
254020	205 226	450	21	20	340	0.6	-----	-----
254021	205 226	1060	50	24	3400	1.2	-----	-----
254022	205 226	2850	54	15	1900	1.4	-----	-----
254023	205 226	70	16	19	1050	1.8	-----	-----
254024	205 226	890	14	12	78	1.2	-----	-----
254025	205 226	740	20	10	140	1.2	-----	-----
254026	205 226	475	13	6	130	1.2	-----	-----
254027	205 226	270	20	22	184	3.6	-----	-----
254028	205 226	560	13	25	83	1.4	-----	-----
254029	205 226	330	21	22	67	2.0	-----	-----
254030	205 226	520	13	10	74	1.0	-----	-----
254031	205 226	120	50	3	112	0.6	-----	-----
254032	205 294	150	30	36	150	2.8	-----	-----
254033	205 226	525	50	34	450	7.0	-----	-----
254034	205 226	155	47	24	220	3.0	-----	-----
254035	205 226	30	9	-----	-----	-----	160	-----
254036	205 226	140	22	117	130	1.6	-----	-----
254037	205 226	290	30	92	168	1.6	-----	-----
254038	205 226	675	52	52	440	2.0	-----	-----
254039	205 226	60	19	28	174	0.8	-----	-----
254040	205 226	60	50	40	370	1.0	-----	-----
254041	205 226	35	30	28	120	1.2	-----	-----
254042	205 226	110	27	26	540	1.2	-----	-----
254043	205 226	75	33	35	280	1.6	-----	-----
254044	205 226	75	19	12	108	1.4	-----	-----
254045	205 226	195	35	20	129	1.2	-----	-----
254046	205 226	20	20	8	48	2.8	-----	-----
254047	205 226	25	24	10	51	4.2	-----	-----
254048	205 226	40	20	11	45	5.0	-----	-----
254049	205 226	750	66	590	1400	>100.0	-----	143.0
254050	205 226	350	33	1200	1800	98.0	-----	-----
254051	205 226	90	26	115	181	19.2	-----	-----
254052	205 226	120	42	54	510	3.4	-----	-----
254053	205 226	15	27	36	108	1.6	-----	-----

NR96-55

CERTIFICATION: Liviana 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

Page Number :2
Total Pages :2
Certificate Date: 29-OCT-96
Invoice No. :19637516
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9637516

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Ag g/t
254054	205	226	< 5	15	23	340	1.0	-----	-----
254055	205	226	60	29	24	220	1.4	-----	-----
254056	205	226	10	25	17	187	0.6	-----	-----
254057	205	226	10	17	15	121	0.4	-----	-----
254058	205	226	10	11	17	129	0.4	-----	-----
254059	205	226	5	16	12	90	0.6	-----	-----
254060	205	226	10	19	10	129	0.6	-----	-----
254061	205	226	10	17	11	370	0.8	-----	-----
254062	205	226	10	11	13	188	0.4	-----	-----
254063	205	226	20	17	13	66	0.4	-----	-----
254064	205	226	150	21	8	44	0.6	-----	-----
254065	205	226	120	48	730	1150	1.8	-----	-----
254066	205	226	5	11	18	77	0.4	-----	-----
254067	205	226	75	19	34	280	2.0	-----	-----
254068	205	226	105	21	34	250	1.8	-----	-----
254069	205	226	350	470	43	330	2.0	-----	-----
254070	205	226	145	48	6	100	1.0	-----	-----
254071	205	226	95	43	34	750	2.0	-----	-----
254072	205	226	450	40	31	1300	1.8	-----	-----
254073	205	226	1610	600	44	5800	6.6	-----	-----
254074	205	226	35	35	22	710	0.8	-----	-----
254075	205	226	90	33	15	780	1.2	-----	-----
254076	205	226	45	13	13	195	0.8	-----	-----
254077	205	226	100	44	12	820	0.8	-----	-----
254078	205	226	160	65	28	890	1.2	-----	-----
254079	205	226	80	35	38	215	1.6	-----	-----
254080	205	226	95	37	56	400	1.4	-----	-----
254081	205	226	55	24	47	450	1.4	-----	-----
254082	205	226	75	17	53	450	1.4	-----	-----
254083	205	226	95	14	24	97	1.0	-----	-----
254084	205	226	140	12	16	127	1.0	-----	-----
254085	205	226	265	21	14	640	1.0	-----	-----
254086	205	226	50	6	< 1	40	0.4	-----	-----
254087	205	226	65	128	6	95	0.2	-----	-----
254088	205	226	45	25	8	145	0.4	-----	-----

NR96-55

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: 29-OCT-96
Invoice No. : 19637517
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9637517

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
00001	205	226	575	910	5	59	2.0
00002	205	226	185	19	5	37	0.4
00003	205	226	1160	163	3	69	1.0
00004	205	226	110	17	3	48	0.4
00005	205	226	165	34	4	56	0.6
00006	205	226	165	121	2	63	0.6
00007	205	226	960	89	3	45	0.8
00008	205	226	150	18	7	42	0.6
00009	205	226	190	189	2	30	0.6
254091	205	226	35	133	17	34	< 0.2
254092	205	226	75	20	32	165	0.8
254093	205	226	100	66	39	560	1.4
254094	205	226	200	48	6	600	0.6
254095	205	226	90	14	17	210	0.8
254096	205	226	320	210	16	380	1.0
254097	205	226	3560	143	< 1	142	3.6
254098	205	226	1140	183	< 1	168	3.8
254099	205	226	105	47	< 1	205	1.6
254100	205	226	485	92	< 1	320	2.0
254101	205	226	100	80	< 1	290	1.8
254102	205	226	355	210	4	1050	1.8
254103	205	226	45	46	< 1	210	0.8
254104	205	226	65	60	< 1	235	1.2
254105	205	226	100	47	< 1	205	1.2
254106	205	226	95	80	2	460	1.0
254107	205	226	170	28	< 1	240	1.0
254108	205	226	70	137	< 1	320	1.0
254109	205	226	220	93	5	400	1.4
254110	205	226	140	99	3	104	0.8
254111	205	226	585	30	5	80	2.2
254112	205	226	90	131	7	350	0.8
254113	205	226	1610	450	5	410	5.6
254114	205	226	2830	179	33	630	5.8
254115	205	226	150	134	< 1	154	1.0
254116	205	226	160	66	< 1	128	0.8
254117	205	226	210	138	10	205	0.8
254118	205	226	210	182	< 1	161	0.2
254119	205	226	160	136	6	121	0.6
254120	205	226	555	230	2	175	1.6
254121	205	226	65	210	< 1	115	0.6

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NR96-55
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CERTIFICATION: Adriana Alexandru

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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: 29-OCT-96
Invoice No. : I9637517
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9637517

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
254122	205	226	40	325	< 1	165	1.0
254123	205	226	1420	710	< 1	660	5.9
254124	205	226	90	375	18	161	1.4
254125	205	226	285	130	< 1	148	1.4
254126	205	226	1630	118	< 1	169	7.0
254127	205	226	635	163	< 1	182	2.8
254128	205	226	25	58	< 1	154	< 0.2
254129	205	226	515	1100	3	200	4.0
254130	205	226	1580	49	< 1	400	4.6
254131	205	226	2450	143	3	1100	9.0
254132	205	226	1610	30	< 1	330	4.4
254133	205	226	3900	102	< 1	380	11.6
254134	205	226	3270	170	< 1	1600	12.0
254135	205	226	1270	305	6	6200	7.0
254136	205	226	420	440	< 1	1300	2.4
254137	205	226	215	125	< 1	1450	1.4
254138	205	226	70	96	< 1	127	< 0.2
254139	205	226	145	116	< 1	161	0.6
254140	205	226	430	160	6	440	1.2
254141	205	226	75	52	4	161	0.6
254142	205	226	25	76	< 1	182	0.4
254143	205	226	330	62	3	73	0.8
254144	205	226	30	68	< 1	49	0.4
254145	205	226	60	23	< 1	50	< 0.2
254146	205	226	120	116	< 1	235	1.0
254147	205	226	80	78	< 1	147	0.8
254200	205	226	170	50	< 1	620	1.0

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NR96-55

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: 29-OCT-96
Invoice No. : I9637783
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9637783

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NR96-540

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Zn %			
254089	205	226	115	19	14	230	< 0.2	-----	-----			
254090	205	226	95	22	39	193	< 0.2	-----	-----			
254148	205	226	60	20	< 1	113	< 0.2	-----	-----			
254149	205	226	150	225	< 1	>10000	1.0	-----	1.39			
254150	205	226	175	440	< 1	1150	2.0	-----	-----			
254151	205	226	85	167	< 1	280	0.8	-----	-----			
254152	205	226	20	87	< 1	215	< 0.2	-----	-----			
254153	205	226	45	80	< 1	280	< 0.2	-----	-----			
254154	205	226	25	82	< 1	235	< 0.2	-----	-----			
254155	205	226	70	175	< 1	900	< 0.2	-----	-----			
254156	205	226	35	80	< 1	166	< 0.2	-----	-----			
254157	205	226	35	93	< 1	144	< 0.2	-----	-----			
254158	205	226	55	99	< 1	150	< 0.2	-----	-----			
254159	205	226	25	95	< 1	205	< 0.2	-----	-----			
254160	205	226	60	63	< 1	560	< 0.2	-----	-----			
254161	205	226	580	75	4	260	1.4	-----	-----			
254162	205	226	35	10	2	130	< 0.2	-----	-----			
254163	205	226	15	92	< 1	180	< 0.2	-----	-----			
254164	205	226	50	93	< 1	210	< 0.2	70	-----			
254165	205	226	450	84	< 1	162	< 0.2	72	-----			
254166	205	226	175	250	< 1	90	2.0	-----	-----			
254167	205	226	700	152	3	5100	5.4	-----	-----			
254168	205	226	350	81	5	270	2.0	-----	-----			
254169	205	226	305	104	4	310	1.8	-----	-----			
254170	205	226	30	74	< 1	131	< 0.2	-----	-----			
254171	205	226	10	103	< 1	119	< 0.2	-----	-----			
254172	205	226	5	91	< 1	138	< 0.2	-----	-----			
254173	205	226	< 5	119	< 1	124	< 0.2	-----	-----			
254174	205	226	15	55	< 1	156	< 0.2	-----	-----			
254175	205	226	15	49	2	129	< 0.2	-----	-----			
254176	205	226	< 5	84	< 1	111	< 0.2	-----	-----			
254177	205	226	80	98	2	148	< 0.2	-----	-----			
254178	205	226	55	93	< 1	180	0.6	-----	-----			
254179	205	226	20	56	3	235	< 0.2	-----	-----			
254180	205	226	355	134	3	195	0.8	-----	-----			
254181	205	226	35	149	4	230	0.6	-----	-----			
254182	205	226	120	105	4	270	0.8	-----	-----			
254183	205	226	980	88	11	131	2.2	-----	-----			
254184	205	226	165	83	3	119	0.4	-----	-----			
254185	205	226	195	-----	-----	-----	< 0.2	-----	-----			

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

Page Number :2
Total Pages :2
Certificate Date: 29-OCT-96
Invoice No. :I9637783
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9637783

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm	Zn %			
254186	205	226	10	-----	-----	-----	< 0.2	-----	-----			
254187	205	226	< 5	-----	-----	-----	< 0.2	-----	-----			
254188	205	226	15	-----	-----	-----	< 0.2	-----	-----			

CERTIFICATION: Adriana Alexandru

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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: 20-NOV-96
Invoice No. :19640357
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9640357

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
254375	205	226	685	13	63	230	4.4
254376	205	226	670	27	31	112	4.0
254377	205	226	540	18	34	127	3.4
254378	205	226	360	15	75	150	4.2
254379	205	226	190	10	20	98	3.8
254380	205	226	285	10	112	350	6.0
254381	205	226	355	20	53	97	3.0
254382	205	226	275	14	52	67	2.4
254383	205	226	600	39	460	360	10.2
254384	205	226	735	80	279	520	10.4
254385	205	226	1470	25	26	147	5.2
254386	205	226	1780	45	81	255	9.0
254387	205	226	675	33	46	160	6.6
254388	205	226	355	20	50	240	6.0
254389	205	226	500	10	22	144	11.0
254390	205	226	375	3	15	75	6.8
254391	205	226	310	33	91	240	3.0
254392	205	226	215	21	157	360	2.8
254393	205	226	70	16	31	95	1.6
254394	205	226	80	16	28	130	2.2
254395	205	226	65	10	20	103	1.0
254396	205	226	50	12	24	83	1.2
254397	205	226	75	17	26	120	4.2
254398	205	226	40	20	28	159	1.6
254399	205	226	170	16	178	650	5.4
254400	205	226	85	19	95	580	3.4
254451	205	226	25	11	18	92	0.4
254452	205	226	40	29	14	93	1.0
254453	205	226	60	19	11	95	0.4
254454	205	226	60	22	20	140	1.0
254455	205	226	15	16	5	54	< 0.2
254456	205	226	25	12	3	93	< 0.2
254457	205	226	5	18	2	35	< 0.2
254458	205	226	< 5	12	3	28	< 0.2
254459	205	226	< 5	28	4	36	< 0.2
254460	205	226	20	20	10	80	< 0.2

NR96-52

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: 20-NOV-96
Invoice No. :19639621
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9639621

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Zn %	Ag ppm Aqua R	Ag FA g/t
254189	205 226	50	-----	24	16	81	-----	< 0.2	-----
254190	205 226	35	-----	10	20	75	-----	< 0.2	-----
254191	205 226	25	-----	10	18	71	-----	0.2	-----
254192	205 226	110	-----	13	20	83	-----	0.2	-----
254193	205 226	70	-----	15	15	55	-----	< 0.2	-----
254194	205 226	55	-----	16	19	65	-----	< 0.2	-----
254195	205 226	205	-----	17	14	54	-----	< 0.2	-----
254196	205 226	45	-----	10	17	70	-----	< 0.2	-----
254197	205 226	45	-----	10	18	62	-----	< 0.2	-----
254198	205 226	35	-----	11	24	70	-----	< 0.2	-----
254199	205 226	100	-----	15	55	153	-----	< 0.2	-----
254201	205 226	115	-----	17	38	80	-----	0.4	-----
254202	205 226	205	-----	39	300	630	-----	7.0	-----
254203	205 226	250	-----	32	123	180	-----	6.0	-----
254204	205 226	190	-----	14	33	92	-----	2.4	-----
254205	205 226	170	-----	18	52	110	-----	5.4	-----
254206	205 226	105	-----	17	30	68	-----	5.8	-----
254207	205 226	55	-----	15	17	62	-----	2.4	-----
254208	205 226	40	-----	20	30	74	-----	3.0	-----
254209	205 294	55	-----	20	16	55	-----	2.0	-----
254210	205 226	120	-----	19	44	74	-----	7.4	-----
254211	205 226	135	-----	18	31	69	-----	4.2	-----
254212	205 294	75	-----	16	27	105	-----	3.6	-----
254213	205 226	160	-----	17	20	63	-----	5.2	-----
254214	205 226	85	-----	13	22	38	-----	4.0	-----
254215	205 226	165	-----	21	22	60	-----	7.6	-----
254216	205 226	275	-----	31	34	122	-----	15.0	-----
254217	205 226	460	-----	29	102	650	-----	11.0	-----
254218	205 226	100	-----	19	49	194	-----	4.0	-----
254219	205 226	200	-----	18	40	70	-----	4.6	-----
254220	205 226	145	-----	9	33	60	-----	2.6	-----
254221	205 226	525	-----	53	360	830	-----	9.8	-----
254222	205 226	220	-----	17	49	48	-----	3.0	-----
254223	205 294	125	-----	8	44	78	-----	1.4	-----
254224	205 226	195	-----	13	34	88	-----	1.6	-----
254225	205 226	215	-----	19	46	220	-----	1.8	-----
254226	205 226	355	-----	26	235	2000	-----	4.0	-----
254227	205 226	160	-----	7	72	108	-----	1.2	-----
254228	205 294	470	-----	52	710	1150	-----	8.6	-----
254229	205 226	770	-----	101	1250	2600	-----	16.0	-----

NR96-61

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: 20-NOV-96
Invoice No. :19639621
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9639621

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Zn %	Ag ppm Aqua R	Ag FA g/t		
254230	205	226	325	-----	45	620	950	-----	11.4	-----		
254231	205	226	>10000	18.44	1500	5100	>10000	1.19	>100.0	437		
254232	205	226	710	-----	23	430	1800	-----	7.2	-----		
254233	205	226	460	-----	68	730	2600	-----	20.0	-----		
254234	205	226	295	-----	20	810	2500	-----	12.0	-----		
254235	205	226	725	-----	11	1200	4600	-----	12.8	-----		
254236	205	226	495	-----	9	52	210	-----	9.2	-----		
254237	205	226	520	-----	14	71	225	-----	12.0	-----		
254238	205	226	400	-----	23	66	450	-----	13.6	-----		
254239	205	226	180	-----	10	29	43	-----	7.8	-----		
254240	205	226	695	-----	58	470	560	-----	48.0	-----		
254241	205	226	230	-----	20	35	1050	-----	12.4	-----		
254242	205	226	135	-----	6	20	160	-----	5.2	-----		
254243	205	226	375	-----	20	63	136	-----	23.0	-----		
254244	205	226	95	-----	6	27	132	-----	9.2	-----		
254245	205	226	110	-----	10	39	107	-----	11.0	-----		
254246	205	294	200	-----	33	107	330	-----	39.0	-----		
254247	205	226	360	-----	24	114	102	-----	55.0	-----		
254248	205	226	130	-----	11	39	44	-----	25.0	-----		
254249	205	226	80	-----	11	38	102	-----	28.0	-----		
254250	205	226	320	-----	63	108	149	-----	>100.0	142		
254251	205	226	55	-----	11	72	54	-----	17.4	-----		
254252	205	226	90	-----	13	97	46	-----	35.0	-----		
254253	205	226	80	-----	10	103	66	-----	29.0	-----		
254254	205	226	450	-----	9	89	215	-----	44.0	-----		
254255	205	226	935	-----	12	58	230	-----	35.0	-----		
254256	205	226	140	-----	9	13	86	-----	10.0	-----		
254257	205	226	195	-----	11	22	189	-----	8.8	-----		
254258	205	226	5520	-----	51	1350	3500	-----	>100.0	326		
254259	205	226	910	-----	8	183	220	-----	28.0	-----		
254260	205	294	835	-----	9	140	450	-----	29.0	-----		
254261	205	226	2000	-----	40	510	3700	-----	>100.0	120		
254262	205	226	440	-----	19	28	156	-----	15.0	-----		
254263	205	294	250	-----	8	91	490	-----	5.6	-----		
254264	205	294	275	-----	25	41	176	-----	2.4	-----		
254265	205	226	210	-----	25	110	146	-----	4.0	-----		
254266	205	294	70	-----	50	39	38	-----	2.4	-----		
254267	205	294	155	-----	7	9	35	-----	1.2	-----		

NR96-61

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: 20-NOV-96
Invoice No. : I9639622
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9639622

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Zn %	Ag ppm Aqua R			
254268	205	226	505	-----	11	10	22	-----	2.4			
254269	205	226	115	-----	33	17	40	-----	1.8			
254270	205	226	65	-----	46	15	35	-----	0.6			
254271	205	226	50	-----	23	5	57	-----	< 0.2			
254272	205	226	75	-----	62	85	970	-----	0.6			
254273	205	226	115	-----	30	28	4300	-----	1.4			
254274	205	226	85	-----	28	119	1050	-----	0.6			
254275	205	226	110	-----	12	87	950	-----	0.4			
254276	205	226	65	-----	30	87	1150	-----	0.4			
254277	205	226	90	-----	26	35	4100	-----	0.8			
254278	205	226	45	-----	33	14	128	-----	0.4			
254279	205	226	75	-----	21	80	310	-----	3.8			
254280	205	226	150	-----	34	71	135	-----	4.2			
254281	205	226	190	-----	26	71	111	-----	3.0			
254282	205	226	110	-----	12	85	195	-----	1.4			
254283	205	226	140	-----	34	94	168	-----	2.8			
254284	205	226	590	-----	55	112	340	-----	5.4			
254285	205	226	365	-----	30	12	2300	-----	2.0			
254286	205	226	490	-----	81	14	4000	-----	1.6			
254287	205	226	245	-----	36	29	2000	-----	2.0			
254288	205	226	3360	-----	77	54	9700	-----	4.4			
254289	205	294	1400	-----	11	40	200	-----	1.4			
254290	205	226	480	-----	31	28	2100	-----	0.8			
254291	205	226	145	-----	24	15	1850	-----	0.6			
254292	205	226	425	-----	46	34	2200	-----	0.8			
254293	205	226	270	-----	34	8	560	-----	0.4			
254294	205	226	660	-----	16	4	108	-----	0.4			
254295	205	226	685	-----	13	5	225	-----	0.4			
254296	205	226	640	-----	13	7	270	-----	0.4			
254297	205	226	450	-----	14	8	153	-----	0.4			
254298	205	226	600	-----	105	21	>10000	3.60	2.2			
254299	205	226	430	-----	20	5	250	-----	0.6			
254300	205	226	260	-----	75	9	2100	-----	0.6			
254301	205	226	1310	-----	37	8	830	-----	0.8			
254302	205	226	1630	-----	31	22	2900	-----	1.0			
254303	205	226	1460	-----	53	235	4600	-----	2.0			
254304	205	226	2020	-----	54	46	360	-----	1.6			
254305	205	226	320	-----	22	10	136	-----	0.6			
254306	205	226	40	-----	14	32	150	-----	0.6			
254307	205	226	95	-----	24	23	72	-----	0.6			

NR96-61

CERTIFICATION: Adriana Alexandre

Chemex Labs Ltd.

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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: 20-NOV-96
Invoice No. : 19639622
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9639622

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Zn %	Ag ppm Aqua R			
254308	205	226	60	-----	18	23	82	-----	< 0.2			
254309	205	226	205	-----	24	28	117	-----	< 0.2			
254310	205	226	70	-----	15	21	105	-----	< 0.2			
254311	205	226	45	-----	10	16	104	-----	< 0.2			
254312	205	226	90	-----	8	15	70	-----	< 0.2			
254313	205	226	60	-----	13	20	76	-----	< 0.2			
254314	205	226	135	-----	17	50	240	-----	0.4			
254315	205	226	80	-----	6	250	880	-----	0.6			
254316	205	226	160	-----	9	320	1800	-----	1.6			
254317	205	226	115	-----	16	60	5300	-----	1.4			
254318	205	226	225	-----	14	91	2500	-----	1.4			
254319	205	226	165	-----	41	59	5000	-----	2.0			
254320	205	294	90	-----	13	19	245	-----	0.8			
254321	205	226	35	-----	14	18	181	-----	1.2			
254322	205	226	65	-----	7	6	40	-----	< 0.2			
254323	205	226	135	-----	14	16	41	-----	0.4			
254324	205	226	30	-----	5	9	35	-----	< 0.2			
254325	205	226	95	-----	10	7	38	-----	< 0.2			
254326	205	226	125	-----	14	22	65	-----	< 0.2			
254327	205	226	150	-----	13	15	59	-----	< 0.2			
254328	205	226	310	-----	18	9	73	-----	1.0			
254329	205	226	90	-----	20	10	300	-----	0.6			
254330	205	226	205	-----	19	8	183	-----	0.8			
254331	205	294	3640	-----	9	4	187	-----	2.0			
254332	205	294	795	-----	11	11	33	-----	1.4			
254333	205	226	370	-----	13	15	53	-----	0.6			
254334	205	226	460	-----	13	20	71	-----	0.8			
254335	205	226	1950	-----	22	73	860	-----	3.2			
254336	205	226	>10000	10.00	188	150	6400	-----	15.2			
254337	205	294	400	-----	46	17	2200	-----	1.0			

NA96-61

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: 18-NOV-96
Invoice No. :19639636
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9639636

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
254338	205	226	285	14	8	55	1.2					
254339	205	226	590	20	13	80	1.0					
254340	205	226	430	12	9	54	0.6					
254341	205	226	125	10	10	58	0.4					
254342	205	294	485	20	13	84	1.0					
254343	205	226	665	50	25	590	2.0					
254344	205	226	1820	118	42	4400	5.4					
254345	205	226	620	20	17	710	1.2					
254346	205	226	1180	38	12	640	1.8					
254347	205	226	4010	48	11	930	3.2					
254348	205	226	1200	101	21	8500	4.2					
254349	205	226	950	39	23	6100	3.2					
254350	205	226	1510	81	16	4600	2.2					
254351	205	226	630	200	15	4000	3.0					
254352	205	226	1630	150	13	5500	3.0					
254353	205	226	1740	230	13	7000	3.0					
254354	205	226	5400	48	67	1650	7.8					
254355	205	226	1990	133	17	2300	3.0					
254356	205	226	415	23	8	860	0.8					
254357	205	226	675	40	10	1150	1.0					
254358	205	226	785	62	9	4400	1.0					
254359	205	226	375	14	4	144	1.2					
254360	205	226	335	27	10	340	0.4					
254361	205	226	175	12	8	160	0.6					
254362	205	226	215	43	6	4900	1.0					
254363	205	226	150	27	10	1150	0.4					
254364	205	226	225	21	6	1150	0.8					
254365	205	226	420	60	8	1300	0.8					
254366	205	226	940	305	15	1800	3.0					
254367	205	226	120	101	11	150	1.8					
254368	205	226	160	255	13	370	3.0					
254369	205	226	750	200	19	530	3.8					
254370	205	226	665	220	17	940	2.8					
254371	205	226	300	90	14	128	1.4					
254372	205	226	155	144	20	510	2.0					
254373	205	226	145	154	16	148	2.0					
254374	205	226	465	32	19	147	3.0					
254401	205	226	2300	1650	28	4700	22.0					
254402	205	226	465	169	15	700	4.2					
254403	205	226	860	2500	36	4400	23.0					

NR96-61

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: 18-NOV-96
Invoice No. :19639636
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9639636

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
254404	205	226	1690	2500	35	1350	32.0					
254405	205	226	410	420	20	116	4.0					
254406	205	226	450	103	20	183	2.0					
254407	205	226	425	59	25	320	1.4					
254408	205	294	130	112	49	3200	1.2					
254409	205	226	150	240	33	7700	2.0					
254410	205	226	225	170	20	1400	2.2					
254411	205	226	315	184	22	1400	3.8					
254412	205	294	140	64	14	630	1.2					
254413	205	226	150	75	10	1700	0.8					
254414	205	226	500	128	14	1750	1.6					
254415	205	226	645	113	15	650	2.4					
254416	205	226	885	600	21	2100	6.2					
254417	205	226	750	600	31	930	7.2					
254418	205	226	915	3000	51	1500	20.0					
254419	205	226	455	1100	76	880	15.4					
254420	205	226	90	30	46	330	0.6					
254421	205	226	200	32	220	890	3.0					
254422	205	226	345	64	198	1050	7.2					
254423	205	226	325	31	46	137	3.4					
254424	205	226	120	21	50	210	3.0					
254425	205	226	115	15	54	110	4.0					
254426	205	226	255	28	41	108	6.8					
254427	205	226	75	30	43	120	2.8					
254428	205	226	120	21	26	86	2.6					
254429	205	226	150	28	38	102	3.4					
254430	205	226	125	20	29	88	2.0					
254431	205	226	65	23	41	92	2.0					
254432	205	226	60	33	37	110	2.4					
254433	205	226	60	21	25	152	2.0					
254434	205	226	55	22	37	162	2.0					
254435	205	226	65	55	39	83	2.8					
254436	205	226	120	59	50	112	3.4					
254437	205	226	235	21	111	215	5.0					
254438	205	226	140	20	171	380	4.0					
254439	205	226	85	15	37	250	1.8					
254440	205	226	80	79	13	66	0.8					
254441	205	226	40	83	17	200	0.6					
254442	205	226	185	21	24	122	< 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 : RICHARDSON
Comments: ATTN: PAUL JONES FAX: JIM WILSON

Certificate Date: 21-NOV-96
Invoice No. :19640356
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9640356

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
252082	205	226	720	-----	60	46	1200	1.2				
252083	205	226	1840	-----	310	34	5000	2.4				
252084	205	226	420	-----	35	25	920	0.8				
252085	205	226	555	-----	112	34	3400	1.0				
252086	205	226	1070	-----	230	7	6300	2.2				
252087	205	226	900	-----	285	96	1150	2.6				
252088	205	226	>10000	12.10	160	26	640	3.6				
252089	205	226	450	-----	173	27	1000	1.6				
252090	205	226	310	-----	41	40	590	0.8				
252091	205	226	175	-----	62	46	710	1.0				
252092	205	226	320	-----	27	16	500	0.6				
252093	205	226	145	-----	77	31	1400	1.2				
252094	205	226	140	-----	146	24	2100	1.4				
252095	205	226	740	-----	230	33	5100	4.0				
252096	205	226	450	-----	46	37	1050	1.6				
252097	205	226	215	-----	8	18	109	1.0				
252098	205	226	205	-----	16	25	240	1.0				
252099	205	226	1490	-----	114	38	9500	8.2				
252100	205	226	440	-----	31	14	380	2.2				

NR96-62

CERTIFICATION: Adriana Stancu

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: 06-DEC-96
Invoice No. :19641617
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9641617

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
252001	205	226	190	-----	36	36	163	0.6				
252002	205	226	480	-----	29	41	590	0.4				
252003	205	226	370	-----	22	24	176	0.4				
252004	205	226	885	-----	50	130	480	1.8				
252005	205	226	205	-----	44	165	305	1.3				
252006	205	226	170	-----	27	60	171	0.6				
252007	205	226	540	-----	25	22	79	0.3				
252008	205	226	470	-----	18	50	117	0.4				
252009	205	226	670	-----	18	50	102	0.6				
252010	205	226	290	-----	15	38	250	0.7				
252011	205	294	360	-----	14	24	70	0.6				
252012	205	226	240	-----	15	19	61	0.3				
252013	205	226	1000	-----	26	42	290	0.6				
252014	205	226	255	-----	16	27	410	0.4				
252015	205	226	150	-----	10	34	143	0.3				
252016	205	226	165	-----	31	36	1950	0.9				
252017	205	226	355	-----	40	31	1500	0.6				
252018	205	226	720	-----	185	30	8400	3.5				
252019	205	226	290	-----	70	22	4550	3.5				
252020	205	226	425	-----	68	20	4450	1.7				
252021	205	226	265	-----	30	25	2200	0.8				
252022	205	226	105	-----	70	15	3800	1.0				
252023	205	226	255	-----	75	22	3600	1.2				
252024	205	226	175	-----	44	19	4500	1.0				
252025	205	226	270	-----	49	40	4850	1.2				
252026	205	294	235	-----	39	22	3800	0.7				
252027	205	226	605	-----	40	30	2300	1.1				
252028	205	226	400	-----	60	25	4550	0.9				
252029	205	226	215	-----	29	20	4000	0.7				
252030	205	226	125	-----	46	24	2350	1.6				
252031	205	226	115	-----	27	25	163	0.8				
252032	205	226	180	-----	20	31	230	0.7				
252033	205	226	195	-----	26	155	940	0.7				
252034	205	226	390	-----	60	120	485	1.0				
252035	205	226	360	-----	28	142	480	1.5				
252036	205	226	75	-----	38	235	570	1.8				
252037	205	226	660	-----	28	18	245	0.6				
252038	205	226	480	-----	26	13	87	0.5				
252051	205	226	160	-----	62	19	2550	1.2				
252052	205	226	100	-----	28	17	2300	0.8				

NR96-62

CERTIFICATION: Adriana Alexandru

Chemex Labs Ltd.

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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: 06-DEC-96
Invoice No. : I9641617
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9641617

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
252053	205	226	105	-----	38	18	1250	1.0
252054	205	226	170	-----	75	19	2200	1.7
252055	205	226	175	-----	55	17	1450	0.8
252056	205	226	150	-----	34	11	105	0.8
252057	205	226	115	-----	61	18	43	0.7
252058	205	226	235	-----	59	20	32	2.0
252059	205	226	285	-----	182	20	1750	1.5
252060	205	226	230	-----	77	14	1900	2.5
252061	205	226	85	-----	17	5	720	0.5
252062	205	226	75	-----	29	17	170	1.7
252063	205	226	80	-----	56	7	630	1.5
252064	205	226	190	-----	50	11	109	2.2
252065	205	226	205	-----	44	11	220	0.5
252066	205	226	270	-----	23	11	80	0.5
252067	205	226	385	-----	18	14	136	1.4
252068	205	226	260	-----	78	15	395	1.4
252069	205	226	575	-----	116	195	1350	1.8
252070	205	226	1060	-----	91	18	4750	1.6
252071	205	226	455	-----	63	20	3850	1.0
252072	205	294	870	-----	33	12	1450	1.2
252073	205	226	695	-----	21	9	2050	0.5
252074	205	226	375	-----	18	9	158	0.4
252075	205	226	830	-----	34	10	125	0.8
252076	205	226	915	-----	105	13	189	1.2
252077	205	226	655	-----	101	12	250	1.8
252078	205	226	790	-----	117	13	129	1.7
252079	205	226	170	-----	38	11	315	0.7
252080	205	226	710	-----	30	9	210	0.7
252081	205	226	445	-----	112	10	210	0.4
252101	205	226	355	-----	17	8	345	0.4
252102	205	226	530	-----	15	7	245	0.5
252103	205	226	360	-----	14	9	137	0.5
252104	205	226	285	-----	26	10	830	0.9
252105	205	226	>10000	11.07	1000	9	>10000	14.8
252106	205	226	540	-----	22	6	1600	0.5
252107	205	226	1200	-----	14	6	220	0.6
252108	205	226	830	-----	10	7	135	0.3
252109	205	226	170	-----	6	5	114	0.2
252110	205	226	270	-----	9	7	89	0.3
252111	205	226	350	-----	4	7	69	0.3

NR96-62

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: 06-DEC-96
Invoice No. : I9641617
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9641617

NR96-62

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
252112	205	226	270	-----	2	8	69	0.2
252113	205	226	355	-----	2	15	73	0.3
252114	205	226	815	-----	8	14	121	0.2
252115	205	226	465	-----	35	20	210	0.2
252116	205	226	1470	-----	25	12	600	0.3
252117	205	226	1110	-----	61	19	4000	0.7
252118	205	226	3200	-----	85	30	2200	4.0
252119	205	226	250	-----	191	50	3500	1.6
252120	205	226	1420	-----	94	40	1800	2.2
252121	205	226	2220	-----	77	85	2400	1.4

CERTIFICATION: Adriana Alexandre

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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: 05-DEC-96
Invoice No. :I9641619
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9641619

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
252261	205	226	20	15	4	82	< 0.2
252262	205	294	460	14	130	570	12.0
252263	205	294	220	12	100	128	8.9
252264	205	226	150	6	20	33	2.5
252265	205	226	305	42	100	550	17.5
252266	205	294	90	8	24	255	10.4
252267	205	294	110	14	56	130	22.6
252268	205	226	125	12	84	200	15.6
252269	205	226	75	11	30	104	13.6
252270	205	294	130	24	53	104	2.4
252271	205	226	130	16	65	300	1.3
252272	205	294	65	14	52	134	0.7
252273	205	226	115	24	108	365	1.3
252274	205	226	570	54	26	450	1.5
252275	205	226	510	38	21	121	1.3
252276	205	294	95	22	57	85	2.2
252277	205	226	300	30	64	157	4.0
252278	205	226	200	23	76	114	5.6
252279	205	226	230	24	125	590	3.3
252280	205	294	280	24	68	220	4.3
252281	205	294	85	18	35	100	2.4
252282	205	294	110	20	19	69	2.3
252283	205	294	160	24	26	75	4.1
252284	205	294	145	20	44	134	3.4
252285	205	226	115	12	42	170	2.3
252286	205	294	230	28	51	129	2.6
252287	205	294	200	38	62	142	2.0
252288	205	294	710	22	54	108	4.2
252289	205	226	330	45	202	365	3.5
252290	205	226	440	26	112	255	2.3
252291	205	226	185	39	272	310	3.7
252292	205	226	165	22	37	108	1.6
252293	205	294	90	14	25	295	1.9
252294	205	294	95	16	30	104	2.5
252295	205	294	240	46	23	111	2.1
252296	205	226	285	32	19	106	1.2
252297	205	294	170	8	46	149	1.7
252298	205	226	260	14	145	530	2.8
252299	205	294	75	19	12	91	0.8
252300	205	226	45	20	9	73	0.5

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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

o: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 05-DEC-96
Invoice No. : I9641619
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9641619

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
252301	205 226	15	17	6	56	0.3
254461	205 294	195	20	3	82	0.9
254462	205 294	20	12	5	90	0.3
254463	205 226	10	10	2	89	< 0.2
254464	205 226	40	196	3	400	0.6
254465	205 226	140	330	5	315	1.8
254466	205 226	130	157	< 1	710	0.8
254467	205 226	270	75	< 1	330	0.7
254468	205 226	100	67	25	177	0.5
254469	205 226	15	17	8	103	0.2
254470	205 226	2860	48	18	112	3.2
254471	205 226	235	26	25	75	0.4
254472	205 226	155	22	22	92	0.3
254473	205 226	560	24	28	135	0.9
254474	205 226	300	26	21	97	0.5
254475	205 226	150	22	20	90	0.2
254476	205 226	70	26	8	67	< 0.2
254477	205 226	245	20	34	113	0.2
254478	205 226	160	28	18	123	0.3
254479	205 226	120	26	80	129	0.3
254480	205 226	30	22	13	128	0.3
254481	205 226	440	16	35	160	0.8
254482	205 226	705	22	29	480	0.8
254483	205 226	1640	40	43	680	2.0
254484	205 226	1070	68	32	540	2.0
254485	205 226	1490	152	62	2800	4.6
254486	205 226	445	39	20	176	0.7
254487	205 226	335	32	18	134	0.7
254488	205 226	515	126	182	6250	2.5
254489	205 226	260	16	24	180	0.5
254490	205 226	360	59	43	3500	2.1
254491	205 226	290	64	37	2700	0.2
254492	205 226	260	12	13	510	0.5
254493	205 226	350	240	31	6100	1.5
254494	205 226	115	18	22	88	0.4
254495	205 226	75	22	43	125	0.7
254496	205 226	120	29	75	121	1.1
254497	205 226	200	30	55	295	0.8
254498	205 226	120	24	66	220	0.5
254499	205 226	125	24	41	440	0.5

NR96-62

CERTIFICATION: Ian 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 :3
Total Pages :3
Certificate Date: 05-DEC-96
Invoice No. :I9641619
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9641619

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R					
NR96-62 254500	205	226	150	25	42	110	0.4					

CERTIFICATION: Stan 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

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

Certificate Date: 15-DEC-96
Invoice No. :19642419
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9642419

NR96-65

SAMPLE	PREP CODE		Au g/t	Pt g/t	Pd g/t	Ag g/t	Cu %	Ni %	Co %			
251933	258	295	0.36	0.91	4.20	29.1	1.64	1.48	0.082			
251934	258	295	0.87	1.68	6.23	58.8	3.80	2.39	0.051			
251935	258	295	0.84	4.97	10.80	39.4	1.73	4.33	0.116			
251936	258	295	0.60	0.42	1.47	15.8	1.02	0.22	0.029			

CERTIFICATION: Saro Lemo

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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: 09-DEC-96
Invoice No. :19642421
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9642421

SAMPLE	PREP CODE		Au ppb RUSH	Cu ppm	Pb ppm	Zn ppm	Zn %	Ag ppm Aqua R	Ni ppm
251921	255	295	435	35	530	1550	-----	3.2	-----
251922	255	295	485	32	330	850	-----	1.8	-----
251923	255	295	325	52	159	2200	-----	1.2	-----
251924	255	295	140	51	10	2500	-----	0.8	-----
251925	255	295	375	45	53	1050	-----	1.6	-----
251926	255	295	380	106	130	190	-----	1.6	-----
251927	255	295	270	105	48	1250	-----	1.6	-----
251928	255	295	460	119	61	2600	-----	2.4	15
251929	255	295	25	-----	-----	-----	-----	-----	470
251930	255	295	30	-----	-----	-----	-----	-----	470
251931	255	295	20	-----	-----	-----	-----	-----	410
251932	255	295	35	-----	-----	-----	-----	-----	500
251937	255	295	655	3700	59	600	-----	5.0	300
251938	255	295	150	186	20	156	-----	0.4	-----
251939	255	295	65	26	26	100	-----	0.6	-----
251940	255	295	160	32	7	135	-----	0.8	-----
251941	255	295	95	23	10	116	-----	0.8	-----
251942	255	295	100	25	20	151	-----	1.6	-----
251943	255	295	565	17	146	550	-----	4.4	-----
251944	255	295	685	18	27	134	-----	3.8	-----
251945	255	295	190	9	46	93	-----	2.6	-----
251946	255	295	220	19	98	370	-----	3.6	-----
251947	255	295	175	15	108	205	-----	4.0	-----
251948	255	295	300	34	186	250	-----	4.2	-----
251949	255	295	1920	70	3000	>10000	2.10	75.0	-----
251950	255	295	120	19	116	205	-----	4.4	-----
251951	255	295	130	18	81	410	-----	5.2	-----
251952	255	295	110	13	40	160	-----	2.2	-----
251953	255	295	115	25	40	121	-----	1.6	-----
251954	255	295	30	44	18	60	-----	1.0	-----

NR96-65

CERTIFICATION: Louise Alexandre

Chemex Labs Ltd.

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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: 22-DEC-96
Invoice No. :I9643496
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643496

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
251793	205	294	< 5	10	< 1	62	< 0.2
251794	205	294	40	94	2	71	< 0.2
251795	205	294	10	17	2	71	< 0.2
251796	205	294	< 5	22	13	92	< 0.2
251797	205	294	15	44	16	235	< 0.2
251798	205	294	15	26	2	1150	< 0.2
251799	205	294	10	33	3	167	< 0.2
251800	205	294	25	56	3	570	0.3
251801	205	294	45	54	2	310	0.6
251802	205	226	20	11	1	230	0.2
251803	205	294	< 5	14	< 1	64	< 0.2
251804	205	294	< 5	16	< 1	147	< 0.2
251805	205	294	10	48	3	158	< 0.2
251806	205	294	< 5	10	9	109	< 0.2
251807	205	294	410	19	6	148	8.8
251808	205	294	35	12	8	142	< 0.2
251809	205	294	275	23	100	520	0.9
251810	205	294	85	12	68	195	0.7
251811	205	226	95	13	44	78	0.4
251812	205	294	80	13	52	185	0.2
251813	205	294	100	11	29	50	0.4
251814	205	294	290	22	56	240	0.8
251815	205	294	90	23	84	215	0.7
251816	205	294	120	20	170	610	0.7
251817	205	294	265	50	125	2450	0.7
251818	205	226	580	130	280	1550	1.0
251819	205	294	375	35	10	129	0.8
251820	205	294	540	36	6	75	0.7
251821	205	226	30	24	3	54	0.2
251822	205	226	595	27	1	61	0.5
251823	205	226	45	50	< 1	166	0.4
251824	205	226	45	85	< 1	151	0.5
251825	205	294	70	41	3	152	0.5
251826	205	226	80	19	11	101	0.7
251827	205	226	290	12	8	43	0.7
251828	205	294	65	18	6	72	0.2
251829	205	294	105	23	10	95	< 0.2
251830	205	226	220	25	26	215	0.4
251831	205	226	1530	18	15	179	0.8
251832	205	294	50	13	18	71	0.2

CERTIFICATION: Ian R. Bailey

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: 22-DEC-96
Invoice No. :I9643496
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643496

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
251833	205	294	60	10	14	94	< 0.2
251834	205	294	325	14	17	85	0.4
251835	205	294	65	13	25	131	0.2
251836	205	294	105	18	50	134	0.3
251837	205	294	205	27	115	520	0.8
251838	205	294	65	30	212	475	1.6
251839	205	294	30	18	26	91	0.3
251840	205	294	55	17	50	143	0.6
251841	205	294	35	14	15	49	0.2
251842	205	226	25	14	28	61	< 0.2
251843	205	294	40	17	25	79	0.2
251844	205	294	65	18	32	59	< 0.2
251845	205	226	105	13	26	59	< 0.2
251846	205	226	40	19	32	70	< 0.2
251847	205	294	230	15	122	88	0.4
251848	205	226	445	26	70	150	0.5
251849	205	226	420	24	40	285	0.2
251850	205	294	120	17	24	1350	0.2
251851	205	294	105	9	22	1250	< 0.2
251852	205	294	200	15	64	270	< 0.2
251853	205	226	120	35	20	1550	< 0.2
251854	205	226	45	16	20	169	< 0.2
251855	205	294	45	14	46	174	0.2
251856	205	226	140	38	20	156	0.2
251857	205	226	120	47	10	146	0.2
251881	205	294	55	21	96	730	0.7
251882	205	294	45	24	92	68	0.9
251883	205	294	110	10	24	54	0.4
251884	205	294	195	72	60	410	0.7
251885	205	294	75	15	36	147	0.5
251886	205	294	175	18	36	100	0.7
251887	205	294	235	48	200	640	1.3
251888	205	226	285	13	32	147	0.3
251889	205	294	155	36	44	133	0.4
251890	205	226	100	24	35	78	0.5
251891	205	294	310	27	85	121	0.6
251892	205	226	385	33	105	670	1.2
251893	205	226	240	11	100	310	0.5
251894	205	226	370	44	94	1950	0.5
251895	205	294	35	70	28	680	0.3

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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 :3
Total Pages :4
Certificate Date: 22-DEC-96
Invoice No. :19643496
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643496

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
251896	205 294	5	10	12	145	< 0.2
251897	205 294	10	16	20	182	< 0.2
251898	205 226	5	144	30	1100	1.0
251899	205 226	< 5	21	8	112	< 0.2
251900	205 294	45	120	4	385	0.5
251901	205 294	35	48	18	205	0.3
251902	205 294	10	13	6	144	< 0.2
251903	205 294	15	20	7	205	< 0.2
251904	205 294	10	9	2	181	< 0.2
251905	205 294	10	8	6	210	< 0.2
251906	205 294	20	7	15	159	< 0.2
251907	205 226	25	9	4	172	< 0.2
251908	205 226	30	6	8	114	0.2
251909	205 226	95	20	21	430	0.5
251910	205 226	20	3	6	65	< 0.2
251911	205 226	20	16	2	96	< 0.2
251912	205 294	10	14	< 1	98	< 0.2
251913	205 294	10	20	3	99	< 0.2
251914	205 294	< 5	13	< 1	88	< 0.2
251915	205 294	< 5	10	< 1	67	< 0.2
251916	205 294	5	16	2	94	< 0.2
251917	205 294	< 5	18	3	129	< 0.2
251918	205 294	25	11	3	85	< 0.2
251919	205 294	15	16	5	89	< 0.2
251920	205 226	< 5	8	3	67	< 0.2
251955	205 226	85	10	15	73	0.3
251956	205 226	55	17	12	86	0.2
251957	205 226	155	11	10	83	1.4
251958	205 226	160	16	11	55	0.6
251959	205 226	195	21	110	220	2.8
251960	205 226	100	13	14	65	2.0
251961	205 226	2480	67	730	82	>100.0
251962	205 226	1190	25	30	70	39.0
251963	205 226	125	23	10	52	3.7
251964	205 226	110	14	18	51	4.2
251965	205 226	85	17	18	44	4.9
251966	205 226	55	7	14	47	2.9
251967	205 226	170	14	78	153	10.5
251968	205 226	705	13	66	141	34.5
251969	205 226	65	15	23	58	10.8

HR96-65

CERTIFICATION: _____

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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 : 4
Total Pages : 4
Certificate Date: 22-DEC-96
Invoice No. : I9643496
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9643496

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
251970	205	226	55	8	25	66	4.8
251971	205	226	80	5	18	46	10.2
251972	205	226	350	16	350	2100	80.0
251973	205	226	65	6	52	80	9.4
251974	205	294	55	11	19	58	5.6
251975	205	226	315	30	670	520	83.0
251976	205	226	100	22	50	93	17.6
251977	205	226	85	9	36	51	8.4
251978	205	226	125	32	31	124	19.5
251979	205	226	40	23	14	106	4.2
251980	205	226	15	8	11	45	5.6
251981	205	294	20	17	8	240	3.8
251982	205	294	10	23	7	64	1.0
251983	205	226	10	35	10	111	0.5
251984	205	226	20	14	14	135	1.2
251985	205	226	15	27	15	139	2.0
251986	205	226	15	26	13	98	1.6
251987	205	226	40	36	14	94	3.8
251988	205	226	60	70	26	192	8.0
251989	205	226	15	22	10	83	1.2
251990	205	226	25	86	4	67	0.6
251991	205	226	10	8	2	33	0.3
251992	205	226	< 5	3	< 1	51	0.2
251993	205	226	< 5	3	1	19	0.2
251994	205	226	< 5	8	2	35	< 0.2
251995	205	226	65	32	14	167	1.2

NR96-65

CERTIFICATION:

Nuinsco Resources
Rainy River Project

040

VOLUME III

EXPLORATION DATA

Rainy River Project
Richardson Township

(August – December 1996 Diamond Drilling)

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

VOLUME III

EXPLORATION DATA

Rainy River Project
Richardson Township

(August – December 1996 Diamond Drilling)

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

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

o: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Page . .ber :1
Total Pages :6
Certificate Date: 08-JAN-97
Invoice No. :19643780
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643780

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
251301	205 226	20	24	11	59	1.0	-----
251302	205 226	515	15	8	485	1.3	-----
251303	205 226	570	28	20	830	3.6	-----
251304	205 226	1180	35	135	100	9.6	-----
251315	205 226	230	76	103	4000	2.9	-----
251316	205 226	420	48	185	2700	4.4	-----
251317	205 226	940	44	188	3400	4.4	-----
251318	205 226	230	52	175	1850	5.3	-----
251319	205 226	470	306	94	5500	4.0	-----
251320	205 226	20	16	4	27	0.4	-----
251321	205 226	20	30	< 1	65	0.4	-----
251322	205 226	65	16	< 1	25	0.3	-----
251323	205 226	10	12	< 1	44	0.2	-----
251324	205 226	< 5	14	< 1	57	< 0.2	-----
251325	205 226	20	24	2	210	0.6	-----
251353	205 226	270	110	300	3800	4.9	-----
251354	205 226	255	52	27	4550	1.3	-----
251355	205 226	25	142	4	132	0.6	210
251356	205 226	225	25	126	450	0.7	-----
251357	205 226	55	29	22	220	0.3	163
251358	205 226	< 5	70	18	200	0.5	250
251359	205 226	1360	50	230	880	5.0	-----
251360	205 226	290	37	35	5200	2.7	-----
251361	205 226	740	132	12	1000	3.7	-----
251362	205 226	1020	54	10	3450	1.8	-----
251363	205 226	1880	47	18	830	3.3	-----
251364	205 226	825	50	23	4000	1.8	-----
251365	205 226	630	50	23	5600	1.3	-----
251377	205 226	1310	105	200	1650	3.8	-----
251378	205 226	810	56	122	325	2.6	-----
251379	205 226	1380	57	88	179	2.4	-----
251380	205 226	65	22	30	158	1.3	-----
251381	205 226	115	29	43	117	1.6	-----
251382	205 226	25	25	25	167	1.1	-----
251383	205 226	< 5	18	2	73	< 0.2	-----
251384	205 226	< 5	9	3	50	< 0.2	-----
251385	205 226	< 5	12	34	65	< 0.2	-----
251386	205 226	< 5	17	6	74	0.2	-----
251389	205 226	10	56	< 1	72	0.3	-----
251390	205 226	< 5	22	< 1	68	0.2	-----

NR96-65

CERTIFICATION: Stuart Buchan

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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 :2
Total Pages :6
Certificate Date: 08-JAN-97
Invoice No. :I9643780
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643780

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
NR96-65											
251391	205 226	15	34	< 1	75	< 0.2	-----				
251392	205 226	< 5	27	< 1	79	< 0.2	-----				
251393	205 226	25	24	< 1	62	< 0.2	-----				
251394	205 226	35	52	< 1	67	0.2	-----				
251395	205 226	90	98	2	90	0.7	-----				
251396	205 226	90	78	2	88	0.8	-----				
NR96-66											
251397	205 226	35	11	2	89	0.4	-----				
251398	205 226	< 5	6	< 1	28	< 0.2	-----				
251399	205 226	< 5	14	2	30	0.3	-----				
251400	205 226	30	18	7	44	2.2	-----				
251401	205 226	10	14	6	55	1.6	-----				
251402	205 226	35	29	57	96	11.0	-----				
251403	205 226	20	27	22	119	5.5	-----				
251404	205 226	25	15	7	73	3.2	-----				
251405	205 226	70	23	44	154	9.5	-----				
251406	205 226	130	24	82	177	15.0	-----				
251407	205 226	105	29	80	160	13.2	-----				
251408	205 226	95	34	106	235	13.3	-----				
251409	205 226	125	30	105	425	22.5	-----				
251410	205 226	100	32	126	235	16.2	-----				
NR96-66											
251411	205 226	150	36	240	370	48.0	-----				
251412	205 226	215	43	83	132	16.2	-----				
251413	205 226	130	40	21	80	6.5	-----				
251414	205 226	< 5	8	< 1	115	0.4	-----				
251415	205 226	30	27	5	73	1.1	-----				
251416	205 226	45	22	17	82	1.8	-----				
251417	205 226	75	31	27	350	3.4	-----				
251418	205 226	40	20	31	340	4.0	-----				
251423	205 226	95	27	12	2250	5.1	-----				
251470	205 226	195	50	220	370	40.0	-----				
251496	205 226	360	14	320	1850	12.2	-----				
251497	205 226	335	11	1050	4200	12.6	-----				
251498	205 226	205	9	320	1300	6.4	-----				
251499	205 226	275	11	100	225	3.6	-----				
251500	205 226	295	27	400	2750	5.7	-----				
NR96-64											
251601	205 226	175	2	12	177	1.2	-----				
251602	205 226	45	20	8	46	1.0	-----				
251603	205 226	< 5	6	< 1	52	0.9	-----				
251604	205 226	20	13	6	59	0.4	-----				
251605	205 226	10	15	6	35	0.8	-----				

CERTIFICATION: [signature]

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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 :3
Total Pages :6
Certificate Date: 08-JAN-97
Invoice No. : I9643780
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9643780

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
251606	205	226	15	22	9	55	0.8	-----				
251607	205	226	25	17	3	33	1.0	-----				
251608	205	226	10	10	6	42	0.5	-----				
251609	205	226	25	10	7	41	1.0	-----				
251610	205	226	25	20	3	40	0.8	-----				
251611	205	226	25	6	4	46	0.9	-----				
251612	205	226	30	21	6	75	2.5	-----				
251613	205	226	115	13	10	39	1.2	-----				
251614	205	226	30	14	17	36	1.8	-----				
251615	205	226	20	23	58	420	9.7	-----				
251616	205	226	25	18	13	68	2.1	-----				
251617	205	226	30	17	17	193	2.8	-----				
251618	205	226	10	25	6	37	0.4	-----				
251619	205	226	10	21	7	41	0.2	-----				
251620	205	226	40	27	13	59	1.9	-----				
251621	205	226	125	45	44	98	5.0	-----				
251622	205	226	790	41	40	80	8.3	-----				
251623	205	226	75	29	20	66	2.0	-----				
251624	205	226	45	30	13	83	1.0	-----				
251625	205	226	65	33	13	76	1.8	-----				
251626	205	226	515	45	20	62	8.7	-----				
251628	205	226	525	37	19	81	7.0	-----				
251629	205	226	65	32	12	67	1.5	-----				
251630	205	226	60	20	15	41	2.2	-----				
251631	205	226	135	22	19	144	4.7	-----				
251632	205	226	110	27	26	51	8.0	-----				
251633	205	226	515	17	32	400	18.6	-----				
251634	205	226	140	11	21	770	5.1	-----				
251635	205	226	45	8	12	27	1.6	-----				
251636	205	226	80	26	12	55	2.3	-----				
251637	205	226	210	25	11	67	1.8	-----				
251638	205	226	45	30	6	68	0.8	-----				
251639	205	226	180	28	7	45	1.2	-----				
251640	205	226	50	30	5	67	0.5	-----				
251641	205	226	20	35	2	63	0.5	-----				
251642	205	226	45	36	5	81	0.4	-----				
251643	205	226	55	29	3	61	0.4	-----				
251644	205	226	70	35	5	76	0.9	-----				
251645	205	226	120	70	10	124	1.6	-----				
251646	205	226	55	36	8	79	0.8	-----				

NR96-64

CERTIFICATION: _____

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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 :4
Total Pages :6
Certificate Date: 08-JAN-97
Invoice No. :19643780
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643780

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
251647	205 226	30	26	9	87	1.3	-----				
251648	205 226	30	25	8	98	0.7	-----				
251649	205 226	100	33	10	108	2.5	-----				
251650	205 226	245	24	17	93	4.5	-----				
251651	205 226	425	26	13	76	12.5	-----				
251652	205 226	400	20	16	71	11.2	-----				
251653	205 226	60	14	12	86	1.4	-----				
251654	205 226	220	58	11	110	3.3	-----				
251655	205 226	415	68	17	215	3.5	-----				
251656	205 226	280	48	7	85	2.4	-----				
251657	205 226	105	25	8	91	2.1	-----				
251665	205 226	105	25	5	62	4.2	-----				
251666	205 226	85	30	6	89	3.4	-----				
251667	205 226	80	28	30	117	4.4	-----				
251668	205 226	190	34	59	290	6.8	-----				
251669	205 226	190	35	7	129	4.2	-----				
251670	205 226	255	34	< 1	44	1.2	-----				
251671	205 226	< 5	16	< 1	46	< 0.2	-----				
251672	205 226	15	18	< 1	66	0.2	-----				
251673	205 226	< 5	25	< 1	58	< 0.2	-----				
251674	205 226	15	215	< 1	48	0.2	-----				
251675	205 226	< 5	19	2	50	< 0.2	-----				
251676	205 226	< 5	23	< 1	53	0.2	-----				
251677	205 226	< 5	18	< 1	57	0.2	-----				
251678	205 226	< 5	17	< 1	47	0.2	-----				
251679	205 226	< 5	13	< 1	50	0.2	-----				
251680	205 226	< 5	7	< 1	41	0.2	-----				
251681	205 226	< 5	17	< 1	90	< 0.2	-----				
251682	205 226	< 5	17	5	106	< 0.2	-----				
251683	205 226	< 5	17	6	67	0.2	-----				
251684	205 226	< 5	19	2	75	0.2	-----				
251685	205 226	< 5	20	2	48	< 0.2	-----				
251686	205 226	< 5	19	5	81	< 0.2	-----				
251687	205 226	< 5	73	8	164	0.8	-----				
251688	205 226	< 5	17	< 1	82	0.4	-----				
251689	205 226	< 5	11	< 1	71	0.2	-----				
251690	205 226	< 5	23	< 1	69	0.2	-----				
251691	205 226	< 5	14	< 1	82	0.2	-----				
251692	205 226	< 5	10	< 1	65	0.2	-----				
251693	205 226	< 5	28	< 1	71	< 0.2	-----				

NR96-04

CERTIFICATION: Stewart Bradley

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: 08-JAN-97
Invoice No. :I9643780
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9643780

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
251694	205	226	< 5	46	< 1	69	< 0.2	-----
251695	205	226	< 5	22	< 1	50	< 0.2	-----
251696	205	226	< 5	6	< 1	23	< 0.2	-----
251697	205	226	< 5	7	< 1	53	< 0.2	-----
251698	205	226	< 5	15	< 1	68	< 0.2	-----
251699	205	226	< 5	4	< 1	92	< 0.2	-----
251700	205	226	< 5	10	< 1	125	< 0.2	-----
251701	205	226	< 5	14	< 1	62	< 0.2	-----
251702	205	226	< 5	20	< 1	68	< 0.2	-----
251703	205	226	< 5	19	< 1	63	< 0.2	-----
251704	205	226	< 5	13	< 1	69	< 0.2	-----
251705	205	226	< 5	13	< 1	71	< 0.2	-----
251706	205	226	< 5	5	< 1	59	< 0.2	-----
251707	205	226	< 5	48	< 1	51	< 0.2	-----
251708	205	226	< 5	15	< 1	42	< 0.2	-----
251709	205	226	< 5	8	< 1	50	< 0.2	-----
251710	205	226	< 5	18	7	79	0.2	-----
251711	205	226	< 5	17	< 1	56	< 0.2	-----
251712	205	226	< 5	15	< 1	50	< 0.2	-----
251713	205	226	< 5	10	< 1	56	< 0.2	-----
251714	205	226	< 5	8	< 1	59	< 0.2	-----
251715	205	226	< 5	< 1	< 1	59	< 0.2	-----
251728	205	226	< 5	24	< 1	43	< 0.2	-----
251729	205	226	< 5	7	< 1	43	< 0.2	-----
251730	205	226	< 5	4	< 1	42	< 0.2	-----
251731	205	226	< 5	3	< 1	89	< 0.2	153
251732	205	226	< 5	13	< 1	38	< 0.2	-----
251733	205	226	< 5	21	< 1	45	< 0.2	-----
251734	205	226	< 5	17	< 1	48	< 0.2	-----
251735	205	226	< 5	5	< 1	54	< 0.2	-----
251736	205	226	< 5	3	< 1	44	0.2	-----
251996	205	226	< 5	3	< 1	40	0.2	-----
251997	205	226	< 5	7	< 1	19	< 0.2	-----
251998	205	226	< 5	5	< 1	16	< 0.2	-----
251999	205	226	< 5	3	2	34	< 0.2	-----
252000	205	226	< 5	4	1	105	0.3	-----
252469	205	226	< 5	48	< 1	48	< 0.2	-----
252470	205	226	< 5	19	< 1	59	< 0.2	-----
252471	205	226	< 5	14	< 1	66	< 0.2	-----
252482	205	226	< 5	9	< 1	68	< 0.2	-----

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NR96-64

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 08-JAN-97
Invoice No. : I9643780
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9643780

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
252483	205	226	10	9	< 1	74	< 0.2	-----				
252484	205	226	< 5	11	< 1	81	< 0.2	-----				
252485	205	226	< 5	16	< 1	78	< 0.2	-----				
252486	205	226	< 5	12	3	140	< 0.2	-----				
252487	205	226	< 5	4	< 1	73	< 0.2	-----				
252488	205	226	< 5	5	< 1	78	< 0.2	-----				
252494	205	226	< 5	7	< 1	250	< 0.2	-----				
252495	205	226	< 5	38	< 1	66	< 0.2	-----				
252496	205	226	< 5	20	< 1	84	< 0.2	-----				
252497	205	226	< 5	8	7	69	< 0.2	-----				
252498	205	226	< 5	16	2	67	< 0.2	-----				
252499	205	226	< 5	16	3	88	< 0.2	-----				
252500	205	226	< 5	9	3	78	0.5	-----				
297751	205	226	620	186	28	5800	5.3	-----				
297752	205	226	235	200	560	8600	11.2	-----				
297753	205	226	740	350	>10000	>10000	>100.0	-----				
297754	205	226	3250	1650	310	>10000	32.0	-----				
297755	205	226	2270	1100	107	>10000	23.0	-----				
297756	205	226	490	322	29	>10000	11.6	-----				
297757	205	226	295	70	112	5700	6.4	-----				
297758	205	226	955	130	550	>10000	11.8	-----				
297759	205	226	290	74	290	6500	7.6	-----				
297760	205	226	230	54	290	5900	10.0	-----				
297761	205	226	305	37	430	6300	9.4	-----				
297762	205	226	4180	1150	2350	>10000	24.0	-----				
297763	205	226	6770	106	1750	5500	>100.0	-----				
297764	205	226	225	22	103	300	7.6	-----				
297765	205	226	250	25	52	220	6.8	-----				
297766	205	226	170	15	90	375	5.7	-----				
297767	205	226	1280	580	570	>10000	>100.0	-----				
297768	205	226	1320	58	150	1100	>100.0	-----				
297769	205	226	70	17	22	136	2.2	-----				
297770	205	226	150	16	10	63	5.0	-----				
297771	205	226	40	11	6	66	0.3	-----				
297772	205	226	45	16	4	65	0.3	-----				

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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-JAN-97
Invoice No. :19644332
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9644332

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
251305	205	226	1020	40	180	1400	12.0	-----
251306	205	226	300	23	195	970	4.2	-----
251307	205	226	540	20	64	1450	2.6	-----
251308	205	226	2040	37	145	2750	4.0	-----
251309	205	226	135	64	7	1850	0.8	-----
251310	205	226	420	12	20	1700	0.8	-----
251311	205	226	160	27	18	900	0.7	-----
251312	205	226	1280	19	22	1700	1.9	-----
251313	205	226	2150	8	360	730	6.0	-----
251314	205	226	1050	21	300	860	5.2	-----
251326	205	226	30	30	7	176	0.9	-----
251327	205	226	55	22	25	98	0.8	-----
251328	205	226	160	62	12	140	1.4	-----
251329	205	226	45	16	26	148	0.6	-----
251330	205	226	20	23	7	126	0.6	-----
251331	205	226	105	53	22	154	1.2	-----
251332	205	226	110	22	38	97	1.2	-----
251333	205	226	40	16	29	35	1.2	-----
251334	205	226	40	17	23	68	1.1	-----
251335	205	226	660	22	60	150	3.3	-----
251336	205	226	215	25	59	45	2.8	-----
251337	205	226	95	17	34	29	1.8	-----
251338	205	226	300	54	55	70	2.8	-----
251339	205	294	940	65	188	235	6.0	-----
251340	205	226	530	58	220	365	5.0	-----
251341	205	226	300	29	140	240	2.8	-----
251342	205	226	240	24	90	226	1.8	-----
251343	205	226	180	25	50	168	1.5	-----
251344	205	294	175	21	46	150	1.2	-----
251345	205	226	145	20	34	114	1.3	-----
251346	205	226	65	11	20	42	0.9	-----
251347	205	226	175	20	230	120	2.9	-----
251348	205	294	200	20	24	56	1.6	-----
251349	205	226	140	25	60	120	2.2	-----
251350	205	226	375	42	270	1100	3.4	-----
251351	205	226	325	44	172	1950	3.4	-----
251352	205	226	1240	350	80	2700	20.0	-----
251366	205	226	265	57	14	5000	1.7	-----
251367	205	226	220	44	8	3950	1.2	-----
251368	205	226	700	59	9	3200	1.6	-----

NR96-65

CERTIFICATION: Stan Bridden

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: 09-JAN-97
Invoice No. : I9644332
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9644332

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
NR96-65								
251369	205	226	395	48	20	1800	1.9	-----
251370	205	226	375	80	28	2150	2.4	-----
251371	205	226	480	123	35	200	4.3	-----
251372	205	226	1000	160	56	355	7.0	-----
251373	205	226	1160	164	62	400	7.5	-----
251374	205	226	655	198	66	298	6.2	-----
251375	205	226	485	37	40	95	2.6	-----
251376	205	226	605	166	60	820	4.5	-----
251387	205	226	5	54	< 1	66	0.2	-----
251388	205	226	10	41	< 1	54	< 0.2	-----
NR96-66								
251419	205	226	25	16	15	82	2.5	-----
251420	205	226	55	24	10	67	2.4	-----
251421	205	294	100	19	26	185	2.0	-----
251422	205	226	80	18	28	375	2.0	-----
251424	205	226	15	15	8	26	1.5	-----
251425	205	226	10	24	12	28	1.8	-----
251426	205	226	10	14	12	26	1.3	-----
251427	205	226	30	22	8	155	1.6	-----
251428	205	226	25	19	5	57	1.5	-----
251429	205	226	20	21	3	78	1.4	-----
251430	205	226	100	27	4	21	2.0	-----
251431	205	226	40	24	11	130	1.7	-----
251432	205	226	35	13	3	27	0.8	-----
251433	205	226	20	18	3	13	0.7	-----
251434	205	226	20	17	4	14	1.0	-----
251435	205	226	15	14	6	7	0.7	-----
251436	205	226	100	29	37	123	1.7	-----
251437	205	294	115	23	16	74	1.4	-----
251438	205	226	125	27	19	116	1.4	-----
251439	205	226	65	14	11	58	1.4	-----
251440	205	226	75	25	10	57	1.2	-----
251441	205	226	75	18	12	46	1.0	-----
251442	205	226	55	21	5	33	0.9	-----
251443	205	226	55	27	6	35	1.0	-----
251444	205	226	65	26	12	100	1.7	-----
251445	205	226	60	33	9	57	1.6	-----
251446	205	226	80	32	10	40	2.0	-----
251447	205	226	80	25	8	38	1.8	-----
251448	205	226	75	30	9	58	2.7	-----
251449	205	226	140	29	13	102	5.6	-----

CERTIFICATION

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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: 09-JAN-97
Invoice No. :19644332
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9644332

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
251450	205	226	215	41	17	65	7.4	-----
251451	205	226	250	33	17	62	5.3	-----
251452	205	226	320	81	210	1250	27.0	-----
251453	205	226	255	28	36	110	5.4	-----
251454	205	226	520	42	110	320	16.0	-----
251455	205	226	195	23	22	105	6.5	-----
251456	205	226	260	18	20	86	6.2	-----
251457	205	226	410	33	48	155	20.0	-----
251458	205	226	2570	68	260	1380	>100.0	-----
251459	205	226	630	33	51	188	22.0	-----
251460	205	226	190	19	29	80	7.5	-----
251461	205	226	205	45	20	90	7.0	-----
251462	205	226	125	34	20	92	2.9	-----
251463	205	226	110	30	20	89	2.8	-----
251464	205	226	85	27	26	102	2.5	-----
251465	205	226	160	60	38	116	3.9	-----
251466	205	226	125	39	160	600	4.5	-----
251467	205	226	110	39	190	345	6.0	-----
251468	205	226	95	28	106	188	2.5	-----
251469	205	226	60	24	18	94	1.3	-----
251471	205	226	90	36	24	180	2.2	-----
251472	205	226	50	16	19	94	1.3	-----
251473	205	226	55	34	27	134	2.0	-----
251474	205	226	100	24	28	170	3.8	-----
251475	205	226	195	30	28	190	7.8	-----
251476	205	226	130	33	20	88	4.5	-----
251477	205	226	100	18	21	106	3.2	-----
251478	205	226	280	44	44	670	11.4	-----
251479	205	226	110	33	26	110	3.6	-----
251480	205	226	220	24	52	150	5.8	-----
251481	205	226	220	17	55	320	3.3	-----
251482	205	226	180	25	45	158	4.4	-----
251483	205	226	390	16	46	220	7.0	-----
251484	205	226	2850	26	47	220	50.0	-----
251485	205	226	55	19	21	95	2.1	-----
251486	205	226	120	23	30	115	2.8	-----
251487	205	226	385	20	23	110	2.9	-----
251488	205	226	370	14	120	620	6.4	-----
251489	205	226	420	19	500	1480	12.5	-----
251490	205	226	170	16	118	380	6.6	-----

NR96-616

CERTIFICATION: _____

Chemex Labs Ltd.

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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: 09-JAN-97
Invoice No. :I9644332
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9644332

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
NR96-64											
251491	205 226	100	11	215	465	6.0	-----				
251492	205 226	190	16	124	1160	8.6	-----				
251493	205 226	165	44	66	3000	10.0	-----				
251494	205 226	125	14	260	670	7.2	-----				
251495	205 226	205	8	62	158	9.6	-----				
251627	205 226	690	38	22	85	13.2	-----				
251658	205 226	80	31	8	96	3.0	-----				
251659	205 226	160	32	9	105	3.5	-----				
251660	205 226	145	28	6	96	3.4	-----				
251661	205 226	90	25	6	80	2.0	-----				
251662	205 226	195	29	4	84	5.5	-----				
251663	205 294	130	31	4	96	6.2	-----				
251664	205 226	185	28	5	88	5.7	-----				
251716	205 226	< 5	15	< 1	48	< 0.2	-----				
251717	205 226	< 5	8	< 1	56	< 0.2	-----				
251718	205 226	5	38	4	80	< 0.2	19				
251719	205 226	5	14	< 1	40	< 0.2	-----				
251720	205 294	< 5	3	< 1	48	< 0.2	-----				
251721	205 226	< 5	36	< 1	76	< 0.2	-----				
251722	205 226	< 5	14	< 1	75	< 0.2	-----				
251723	205 226	< 5	10	< 1	33	< 0.2	-----				
251724	205 226	< 5	18	< 1	47	< 0.2	-----				
251725	205 226	< 5	24	< 1	44	< 0.2	-----				
251726	205 226	< 5	21	< 1	60	0.2	-----				
251727	205 226	70	7	< 1	56	< 0.2	-----				
NR96-63											
252463	205 226	635	136	9	184	2.5	-----				
252464	205 226	35	11	2	55	0.2	-----				
252465	205 226	160	102	5	162	1.0	-----				
252466	205 226	120	34	2	78	0.6	-----				
252467	205 226	535	51	2	70	2.4	-----				
NR96-64											
252468	205 226	135	40	4	58	0.6	-----				
252472	205 226	15	15	2	53	0.2	-----				
252473	205 226	< 5	12	< 1	58	< 0.2	-----				
252474	205 226	25	8	< 1	55	< 0.2	-----				
252475	205 226	< 5	13	< 1	90	< 0.2	-----				
NR96-64											
252476	205 226	90	285	5	>10000	3.0	-----				
252477	205 226	10	21	7	330	0.3	-----				
252478	205 226	10	5	2	72	0.2	-----				
252479	205 226	10	6	< 1	60	0.2	-----				
252480	205 226	10	8	< 1	250	< 0.2	-----				

CERTIFICATION:

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

NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 09-JAN-97
Invoice No. : I9644332
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9644332

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
252481	205	226	5	8	< 1	108	< 0.2	-----				
252489	205	226	15	13	< 1	76	0.2	-----				
252490	205	226	10	18	8	318	< 0.2	-----				
252491	205	226	< 5	12	< 1	168	< 0.2	-----				
252492	205	226	5	21	< 1	1700	< 0.2	-----				
252493	205	226	15	6	< 1	270	< 0.2	-----				
297773	205	226	5	38	5	94	0.3	-----				
297774	205	226	15	22	3	83	< 0.2	-----				
297775	205	226	< 5	15	< 1	60	< 0.2	-----				
297776	205	226	10	32	2	86	< 0.2	-----				
297777	205	226	< 5	19	< 1	68	< 0.2	-----				
297778	205	226	80	7	< 1	75	< 0.2	-----				
297779	205	226	< 5	20	< 1	53	< 0.2	-----				
297780	205	226	< 5	25	< 1	67	< 0.2	-----				
297781	205	226	< 5	29	< 1	52	< 0.2	-----				
297782	205	226	15	66	< 1	55	0.2	-----				
297783	205	226	5	60	4	88	0.2	-----				
297784	205	226	20	30	6	55	2.0	-----				
297785	205	226	20	37	5	158	2.2	-----				
297786	205	226	20	29	6	185	2.4	-----				
297787	205	226	95	42	6	90	6.0	-----				
297788	205	226	40	22	5	142	2.3	-----				
297789	205	226	30	24	4	64	1.5	-----				
297790	205	226	25	23	12	62	1.2	-----				
297791	205	226	25	22	22	114	0.9	-----				
297792	205	226	20	33	162	630	2.2	-----				
297793	205	226	30	36	88	1850	2.5	-----				
297794	205	226	50	13	58	95	2.0	-----				
297795	205	226	60	20	32	125	3.2	-----				
297796	205	226	65	22	32	90	3.7	-----				
297797	205	226	50	28	47	113	4.7	-----				
297798	205	226	45	23	23	98	4.0	-----				
297799	205	226	120	29	17	88	3.2	-----				
297800	205	226	40	29	12	73	3.2	-----				
297801	205	226	35	25	15	84	3.4	-----				
297802	205	226	30	25	23	97	2.8	-----				
297803	205	226	30	25	16	110	3.5	-----				
297804	205	226	40	24	14	73	3.2	-----				
297805	205	226	65	29	17	75	4.8	-----				
297806	205	226	100	29	21	116	7.5	-----				

NR96-64
NR96-66
NR96-67

CERTIFICATION:

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

J: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Page Number :6
Total Pages :6
Certificate Date: 09-JAN-97
Invoice No. :19644332
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9644332

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
297807	205	226	80	18	15	60	3.6	-----				
297808	205	226	70	20	10	48	1.6	-----				
297809	205	226	65	22	10	47	1.2	-----				
297810	205	226	40	25	9	50	1.0	-----				
297811	205	226	45	33	5	44	1.3	-----				
297812	205	226	70	17	5	32	0.8	-----				
297813	205	226	55	25	5	32	1.2	-----				
297814	205	226	65	29	5	32	1.3	-----				
297815	205	226	70	19	5	34	1.2	-----				
297816	205	226	115	24	3	28	1.3	-----				
297817	205	226	80	24	2	92	1.1	-----				
297818	205	226	50	14	3	53	0.5	-----				
297819	205	226	120	21	7	52	1.0	-----				
297820	205	226	30	26	6	36	1.2	-----				
297821	205	226	50	23	9	38	1.3	-----				
297822	205	226	65	23	7	96	1.8	-----				

NR96-97

CERTIFICATION: Ian Bucklen

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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: 14-JAN-97
Invoice No. :I9710241
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9710241

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
258001	205 226	< 5	-----	56	< 1	14	< 0.2
258002	205 226	< 5	-----	6	< 1	25	< 0.2
258003	205 226	< 5	-----	10	< 1	52	0.2
258004	205 226	< 5	-----	31	< 1	62	0.3
258005	205 226	< 5	-----	20	< 1	73	0.2
258006	205 226	< 5	-----	22	< 1	68	0.2
258007	205 226	15	-----	19	< 1	75	< 0.2
258008	205 226	< 5	-----	22	< 1	68	< 0.2
258009	205 226	< 5	-----	20	< 1	50	< 0.2
258010	205 226	< 5	-----	11	2	58	< 0.2
258011	205 226	< 5	-----	11	< 1	65	< 0.2
258012	205 294	5	-----	9	< 1	50	< 0.2
258013	205 226	< 5	-----	8	< 1	110	< 0.2
258014	205 226	< 5	-----	19	< 1	92	< 0.2
258015	205 226	< 5	-----	17	< 1	85	< 0.2
258016	205 226	< 5	-----	16	< 1	46	< 0.2
258017	205 226	< 5	-----	12	2	55	< 0.2
258018	205 226	< 5	-----	7	< 1	62	0.3
258019	205 226	< 5	-----	9	< 1	70	< 0.2
297823	205 226	35	-----	17	7	48	2.6
297824	205 226	25	-----	13	6	32	1.4
297825	205 226	40	-----	14	6	32	2.0
297826	205 226	65	-----	20	6	132	2.6
297827	205 226	65	-----	19	13	245	3.7
297828	205 226	100	-----	30	8	80	4.5
297829	205 226	85	-----	20	6	41	3.2
297830	205 226	115	-----	14	7	35	2.4
297831	205 226	350	-----	18	10	60	5.1
297832	205 226	300	-----	10	8	31	4.2
297833	205 226	35	-----	9	7	34	0.8
297834	205 226	75	-----	21	8	52	2.0
297835	205 226	40	-----	9	8	35	0.9
297836	205 226	235	-----	9	16	36	4.0
297837	205 226	325	-----	30	116	200	8.5
297838	205 226	175	-----	40	136	172	5.4
297839	205 226	575	-----	76	280	620	17.0
297840	205 226	>10000	21.43	400	2350	3400	>100.0
297841	205 226	450	-----	48	280	350	14.0
297842	205 226	110	-----	20	29	50	3.3
297843	205 226	85	-----	19	19	30	2.0

NR96-67

CERTIFICATION: Ian 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 :2
Total Pages :3
Certificate Date: 14-JAN-97
Invoice No. :19710241
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9710241

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R
297844	205 226	75	-----	17	24	76	3.0
297845	205 226	60	-----	22	16	77	3.1
297846	205 226	100	-----	20	15	96	3.0
297847	205 226	115	-----	16	13	47	2.8
297848	205 226	430	-----	32	78	164	12.5
297849	205 226	570	-----	36	66	188	18.2
297850	205 226	420	-----	25	42	196	13.0
297851	205 226	370	-----	30	90	186	18.0
297852	205 226	675	-----	19	58	228	23.0
297853	205 226	1280	-----	20	108	880	35.0
297854	205 226	705	-----	30	124	292	24.0
297855	205 226	695	-----	19	126	182	26.0
297856	205 226	685	-----	22	27	105	7.5
297857	205 226	480	-----	25	31	112	11.2
297858	205 226	8570	-----	163	480	2150	>100.0
297859	205 226	1010	-----	124	62	202	48.0
297860	205 226	1800	-----	19	53	162	39.0
297861	205 226	650	-----	21	190	326	21.0
297862	205 226	400	-----	22	48	112	20.0
297863	205 226	345	-----	18	37	130	13.4
297864	205 226	185	-----	40	30	168	9.0
297865	205 226	160	-----	28	30	130	7.8
297866	205 226	385	-----	26	45	98	18.5
297867	205 226	290	-----	15	37	102	9.2
297868	205 226	1520	-----	49	70	400	40.0
297869	205 226	200	-----	34	31	112	9.7
297870	205 226	425	-----	16	59	200	10.4
297871	205 226	360	-----	32	90	240	9.2
297872	205 226	290	-----	33	80	180	8.8
297873	205 226	230	-----	22	46	142	6.5
297874	205 226	360	-----	45	95	700	8.0
297875	205 226	1990	-----	42	104	600	88.0
297876	205 226	285	-----	15	43	110	12.7
297877	205 226	185	-----	16	54	132	10.0
297878	205 226	220	-----	12	63	154	5.2
297879	205 226	1060	-----	43	118	152	7.3
297880	205 226	1090	-----	44	195	1550	9.0
297881	205 226	165	-----	30	41	142	3.5
297882	205 226	160	-----	27	32	106	3.5
297883	205 226	270	-----	15	46	150	3.9

NR96-67

CERTIFICATION: Ian A Bucklen

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: 14-JAN-97
Invoice No. : I9710241
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9710241

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R				
297884	205	226	155	-----	23	23	84	3.3				
297885	205	226	75	-----	17	18	74	1.6				
297886	205	226	80	-----	18	15	73	1.4				
297887	205	226	110	-----	20	16	67	4.3				
297888	205	226	75	-----	22	6	28	1.2				
297889	205	226	40	-----	28	4	20	1.3				
297890	205	226	35	-----	32	4	21	0.8				
297891	205	226	25	-----	21	6	66	0.4				
297892	205	226	< 5	-----	15	4	60	0.4				
297893	205	226	< 5	-----	14	4	92	0.3				
297894	205	226	< 5	-----	16	3	58	0.2				
297895	205	226	< 5	-----	15	3	62	< 0.2				
297896	205	226	10	-----	21	4	76	< 0.2				
297897	205	226	< 5	-----	22	6	80	< 0.2				
297898	205	226	< 5	-----	18	2	65	< 0.2				
297899	205	226	< 5	-----	11	1	52	< 0.2				
297900	205	226	< 5	-----	58	1	40	< 0.2				

NR96-67

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 :3
Certificate Date: 30-JAN-97
Invoice No. :19711685
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9711685

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm					
258130	205	226	370	18	215	0.2	-----					
258131	205	226	295	40	183	0.4	-----					
258132	205	226	320	149	180	1.2	-----					
258133	205	226	275	33	196	0.6	-----					
258134	205	226	140	9	174	0.4	-----					
258135	205	226	640	122	121	0.8	-----					
258136	205	226	40	13	49	< 0.2	-----					
258137	205	226	235	24	134	1.0	-----					
258138	205	226	50	11	112	0.4	-----					
258139	205	226	55	60	167	0.6	-----					
258140	205	226	205	205	210	1.8	-----					
258141	205	226	230	260	73	3.6	-----					
258142	205	226	195	270	126	2.2	-----					
258143	205	226	120	20	112	0.4	-----					
258144	205	226	295	20	640	< 0.2	-----					
258145	205	226	160	35	1150	0.2	-----					
258146	205	226	385	51	3200	0.6	-----					
258147	205	226	440	58	1950	0.6	-----					
258148	205	226	255	50	1550	1.0	-----					
258149	205	226	525	44	2200	1.0	-----					
258150	205	226	150	25	200	0.4	-----					
258151	205	226	440	81	5400	1.4	-----					
258152	205	226	670	157	3300	2.2	-----					
258153	205	226	500	75	5400	2.0	-----					
258154	205	226	1960	69	2800	2.4	-----					
258155	205	226	1050	61	1900	2.0	-----					
258156	205	226	545	84	890	2.0	-----					
258157	205	226	420	136	1050	1.6	-----					
258158	205	226	285	40	1250	2.0	-----					
258159	205	226	90	28	340	1.2	-----					
258160	205	226	200	28	540	0.6	-----					
258161	205	226	195	26	510	0.8	-----					
258162	205	226	580	46	500	2.6	-----					
258163	205	226	680	42	660	3.4	-----					
258164	205	226	255	25	141	0.6	-----					
258165	205	226	140	28	94	0.8	-----					
258166	205	226	205	33	1050	1.0	-----					
258167	205	226	100	27	530	0.4	-----					
258168	205	226	110	21	79	0.8	-----					
258169	205	226	105	21	660	0.6	-----					

CERTIFICATION: Adriana Ricardo

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: 30-JAN-97
Invoice No. : I9711685
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9711685

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm					
258170	205	226	200	68	1000	1.4	-----					
258171	205	226	315	19	310	0.4	-----					
258172	205	226	180	31	177	< 0.2	-----					
258173	205	226	120	27	77	< 0.2	-----					
258174	205	226	225	98	1300	1.0	-----					
258175	205	226	450	285	2500	2.6	-----					
258176	205	226	270	35	235	0.8	-----					
258177	205	226	300	26	450	0.6	-----					
258178	205	226	305	23	370	< 0.2	-----					
258179	205	226	100	36	160	0.2	-----					
258180	205	226	40	17	76	< 0.2	-----					
258181	205	226	65	14	105	< 0.2	-----					
258182	205	226	50	17	135	0.4	-----					
258183	205	226	60	29	320	1.0	-----					
258184	205	226	40	17	90	0.8	-----					
258185	205	226	20	17	192	0.4	-----					
258186	205	226	20	15	172	0.4	-----					
258187	205	226	30	12	65	0.4	-----					
258188	205	226	30	11	66	0.6	-----					
258189	205	226	25	67	182	0.6	-----					
258190	205	226	45	14	48	0.4	-----					
258191	205	226	65	14	151	0.6	-----					
258192	205	226	110	11	75	1.0	-----					
258193	205	226	50	4	78	0.4	-----					
258194	205	226	65	3	40	0.4	-----					
258195	205	226	20	3	57	< 0.2	-----					
258196	205	226	60	13	104	0.4	-----					
258197	205	226	80	10	76	0.6	-----					
258198	205	226	15	11	57	< 0.2	-----					
258199	205	226	35	15	57	< 0.2	-----					
258200	205	226	35	4	73	< 0.2	-----					
258201	205	226	30	10	72	< 0.2	-----					
258202	205	226	15	10	73	< 0.2	-----					
258203	205	226	215	24	480	0.8	-----					
258204	205	226	525	15	300	2.0	-----					
258205	205	226	425	69	1650	3.0	-----					
258206	205	226	500	46	910	4.2	-----					
258207	205	226	1440	63	1350	8.8	-----					
258208	205	226	1180	30	570	10.0	-----					
258209	205	226	1320	20	750	9.0	-----					

NR96-62

CERTIFICATION: Adriana Alexandru

Chemex Labs Ltd.

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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 :3
Total Pages :3
Certificate Date: 30-JAN-97
Invoice No. : I9711685
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9711685

NR96-62

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
258210	205	226	935	59	1550	6.6	-----
258211	205	226	1220	82	2700	5.0	-----
258212	205	226	1200	84	1600	6.6	-----
258213	205	226	1230	118	1500	7.8	-----
258214	205	226	835	62	540	7.0	-----
258215	205	226	90	21	170	1.0	-----
258216	205	226	120	18	86	0.4	-----
258217	205	226	210	21	140	0.4	-----
258218	205	226	55	26	188	0.4	-----
258219	205	226	240	42	340	1.2	-----
258220	205	226	180	17	91	0.8	-----
258221	205	226	1150	85	500	4.4	-----
258222	205	226	135	8	56	1.0	-----
258223	205	226	30	9	74	0.8	-----
258224	205	226	55	10	82	1.0	-----
258225	205	226	80	12	52	1.8	-----
258226	205	226	100	14	43	0.6	-----
258227	205	226	40	11	38	0.6	-----
258228	205	226	45	14	42	0.8	-----
258229	205	226	45	16	44	1.0	-----
258230	205	226	40	17	53	0.6	-----
258231	205	226	70	8	43	0.6	-----
258232	205	226	30	114	200	< 0.2	92
258233	205	226	45	13	55	0.4	-----
258234	205	226	15	23	53	< 0.2	-----
258235	205	226	25	27	105	< 0.2	-----
258236	205	226	15	31	280	< 0.2	-----
258237	205	226	40	23	92	< 0.2	-----
258238	205	226	10	14	52	< 0.2	-----
258239	205	226	100	9	50	< 0.2	-----
258240	205	226	< 5	13	57	< 0.2	-----
258241	205	226	5	5	37	< 0.2	-----
258242	205	226	10	11	90	< 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

NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

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

Certificate Date: 06-FEB-97
Invoice No. :19712479
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9712479

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
358077	205	294	20	62	550	< 0.2	15
358078	205	294	95	47	220	< 0.2	19
358079	205	294	15	24	168	< 0.2	11
358080	205	294	50	22	410	0.4	10
358081	205	294	30	142	710	1.2	23
358082	205	294	30	139	245	1.0	23
358083	205	294	95	103	240	0.8	18
358084	205	226	120	172	255	1.4	16
358085	205	226	45	113	360	0.6	23
358086	205	226	115	57	330	0.6	35
358087	205	294	10	57	360	0.4	30
358088	205	294	10	27	370	0.4	20
358089	205	294	< 5	30	290	0.4	26
358090	205	294	< 5	3	177	0.2	20
358091	205	294	< 5	12	159	< 0.2	10
358092	205	226	20	41	152	0.4	11
358093	205	294	155	130	320	1.2	16
358094	205	294	85	109	270	1.0	14
358095	205	294	50	117	360	1.2	27
358096	205	226	30	120	420	1.0	22
358097	205	226	80	105	570	1.0	38
358098	205	226	50	69	620	0.4	12
358099	205	294	220	220	3500	2.0	23
358100	205	226	65	99	1950	0.8	9
358101	205	294	10	19	140	0.4	4
358102	205	294	< 5	10	78	< 0.2	3
358103	205	294	10	46	197	0.4	18
358104	205	226	25	7	58	< 0.2	-----
358105	205	226	60	70	220	0.4	-----
358106	205	294	5	14	66	< 0.2	-----
358107	205	226	180	15	350	0.8	-----
358108	205	226	240	15	235	0.8	-----
358109	205	226	100	22	108	< 0.2	-----
358110	205	226	175	22	400	0.6	-----
358111	205	226	75	33	1050	1.0	-----
358112	205	226	50	10	1550	0.4	-----
358113	205	226	110	44	85	0.8	-----
358114	205	226	35	13	65	0.6	-----
358115	205	226	60	59	48	0.8	-----
358116	205	226	85	6	45	1.0	-----

NR96-53

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: 06-FEB-97
Invoice No. :I9712479
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9712479

SAMPLE	PREP CODE	Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
358151	205 226	170	52	220	1.2	-----
358152	205 226	230	42	112	1.2	-----
358153	205 226	65	81	141	2.2	-----
358154	205 226	85	51	205	0.8	-----
358155	205 226	50	55	129	1.0	-----
358156	205 226	50	27	93	1.0	-----
358157	205 226	90	59	109	1.2	-----
358158	205 226	40	32	74	0.8	-----
358159	205 226	80	60	82	1.0	-----
358160	205 226	1300	26	95	0.8	-----
358161	205 226	80	94	82	1.6	-----
358162	205 294	65	85	225	1.2	-----
358163	205 226	50	70	135	0.8	-----
358164	205 226	70	120	78	1.2	-----
358165	205 226	175	93	1150	0.8	-----
358166	205 226	235	118	1100	1.2	-----
358167	205 226	100	70	300	1.0	-----
358168	205 226	120	42	450	0.6	-----
358169	205 226	75	40	250	0.4	-----
358170	205 226	75	35	340	0.6	-----
358171	205 226	120	33	400	0.6	-----
358172	205 226	85	44	320	0.4	-----
358173	205 226	90	47	680	0.8	-----
358174	205 226	130	56	680	0.8	-----
358175	205 226	55	52	860	0.6	-----
358176	205 226	140	123	1700	1.4	-----
358177	205 226	285	114	2400	1.6	-----
358178	205 226	405	153	2150	1.0	-----
358179	205 226	540	75	1700	5.0	-----
358180	205 226	465	81	1600	1.2	-----
358181	205 226	135	50	850	0.8	-----
358182	205 226	300	91	5700	1.2	-----
358183	205 226	70	30	440	1.4	-----
358184	205 226	55	16	400	3.2	-----
358185	205 226	25	26	59	0.6	-----
358186	205 226	30	20	610	2.0	-----
358187	205 226	1350	315	1200	3.0	-----
358188	205 226	395	105	1600	3.0	-----
358189	205 226	60	42	800	1.2	-----
358190	205 226	105	44	1200	1.4	-----

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: 06-FEB-97
Invoice No. :19712479
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9712479

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm					
358191	205	226	140	48	1250	1.6	-----					
358192	205	226	90	42	650	1.2	-----					
358193	205	226	105	23	480	0.4	-----					
358194	205	226	50	27	270	< 0.2	-----					
358195	205	226	60	16	470	0.4	-----					
358196	205	226	90	164	126	1.4	-----					
358197	205	226	60	15	68	0.6	-----					
358198	205	226	30	16	18	< 0.2	-----					
358199	205	226	40	12	350	0.4	-----					
358200	205	226	40	16	134	0.2	-----					

CERTIFICATION: Antonia Alexandre

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: 21-MAR-97
Invoice No. :I9716831
P.O. Number :
Account :LVY

CERTIFICATE OF ANALYSIS A9716831

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm				
WR97-17-159.9	205	226	< 5	-----	-----	-----	-----	84				
277058	205	226	30	-----	15	57	< 0.2	-----				
277059	205	226	60	-----	20	49	0.2	-----				
277060	205	226	35	-----	14	48	0.2	-----				
277061	205	226	45	-----	16	40	0.6	-----				
277062	205	226	65	-----	12	37	0.6	-----				
277063	205	226	140	-----	14	36	1.2	-----				
277064	205	226	45	-----	6	50	0.4	-----				
277065	205	226	210	-----	76	252	0.7	-----				
277066	205	226	455	-----	36	93	2.5	-----				
277067	205	226	50	-----	10	33	1.1	-----				
277068	205	226	30	-----	24	42	1.3	-----				
277069	205	226	40	-----	20	56	2.5	-----				
277070	205	226	60	-----	19	64	1.2	-----				
277071	205	226	195	-----	199	840	5.2	-----				
277072	205	226	55	-----	18	73	1.0	-----				
277073	205	226	240	-----	12	50	0.9	-----				
277074	205	226	150	-----	8	45	0.8	-----				
277075	205	226	420	-----	16	97	1.8	-----				
277076	205	226	260	-----	12	107	1.5	-----				
277077	205	226	260	-----	36	235	1.9	-----				
277078	205	226	100	-----	57	195	2.1	-----				
277079	205	226	170	-----	18	54	1.5	-----				
277080	205	226	265	-----	12	115	2.3	-----				
277081	205	226	440	-----	17	244	3.6	-----				
277082	205	226	485	-----	24	120	3.6	-----				
277083	205	226	435	-----	20	75	3.3	-----				
277084	205	226	525	-----	64	215	4.0	-----				
277085	205	226	355	-----	96	200	0.7	-----				
277086	205	226	>10000	10.97	111	740	1.7	-----				
277087	205	226	150	-----	23	86	1.8	-----				
277088	205	226	200	-----	27	165	2.2	-----				
277089	205	226	145	-----	13	82	1.6	-----				
277090	205	226	210	-----	65	590	2.1	-----				
277091	205	226	2070	-----	179	1250	4.6	-----				
277092	205	226	270	-----	22	96	2.7	-----				
277093	205	226	240	-----	35	240	1.4	-----				
277094	205	226	105	-----	26	190	1.7	-----				
277095	205	226	100	-----	25	213	1.4	-----				
277096	205	226	115	-----	29	195	1.7	-----				

CERTIFICATION: Stuart 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

Certificate Date: 21-MAR-97
Invoice No. : I9716831
P.O. Number :
Account : LVY

CERTIFICATE OF ANALYSIS A9716831

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm
277097	205	226	285	-----	28	114	0.8	-----
277098	205	226	385	-----	21	140	1.5	-----
277099	205	226	390	-----	29	70	1.1	-----
277100	205	226	145	-----	16	104	1.3	-----
277101	205	226	205	-----	41	285	2.0	-----
277102	205	226	185	-----	27	170	1.4	-----
277103	205	226	185	-----	36	355	2.2	-----
277104	205	226	125	-----	17	122	1.0	-----
277105	205	226	160	-----	20	204	1.2	-----
277106	205	226	125	-----	35	372	1.8	-----
277107	205	226	100	-----	18	148	1.0	-----
277108	205	226	140	-----	35	250	1.8	-----
277109	205	226	190	-----	20	162	0.9	-----
277110	205	226	160	-----	19	174	1.0	-----
277111	205	226	1450	-----	59	420	2.1	-----
277112	205	226	260	-----	78	370	4.8	-----
277113	205	226	90	-----	56	254	2.2	-----
277114	205	226	100	-----	55	236	2.2	-----
277115	205	226	270	-----	77	416	3.0	-----
277116	205	226	235	-----	35	370	1.3	-----
277117	205	226	65	-----	44	350	0.7	-----
277118	205	226	85	-----	52	405	3.2	-----
277119	205	226	135	-----	28	174	4.5	-----
277120	205	226	255	-----	380	1000	15.5	-----
277121	205	226	280	-----	265	950	12.2	-----
277122	205	226	125	-----	133	214	2.3	-----
277123	205	226	80	-----	114	110	1.6	-----
277124	205	226	90	-----	41	94	1.1	-----
277125	205	226	105	-----	41	2900	3.5	-----
277126	205	226	50	-----	29	162	1.5	-----
277127	205	226	105	-----	26	190	1.6	-----
277128	205	226	55	-----	24	170	0.7	-----
277129	205	226	205	-----	36	108	2.2	-----
277130	205	226	195	-----	275	115	2.7	-----
277131	205	226	35	-----	22	61	0.3	-----
277132	205	226	15	-----	18	62	0.3	-----
277133	205	226	25	-----	14	80	0.2	-----
277134	205	226	10	-----	8	63	0.4	-----

NR96-67

CERTIFICATION: [signature]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

.o: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

A9716832

Comments: ATTN: PAUL JONES FAX: JIM WILSON

CERTIFICATE A9716832

(LVY) - NUINSCO RESOURCES LIMITED

Project:
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 24-MAR-97.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	78	Geochem ring to approx 150 mesh
226	78	0-3 Kg crush and split
3202	78	Rock - save entire reject
238	78	Nitric-aqua-regia digestion
* NOTE	1:	

Code 1000 is used for repeat gold analyses
It shows typical sample variability due to coarse gold effects. Each value is correct for its particular subsample.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	78	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
1350	1	Au check analysis		0.005	10000
997	1	Au g/t: 1 assay ton, grav.	FA-GRAVIMETRIC	0.07	1000.0
2	78	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
5	78	Zn ppm: HNO3-aqua regia digest	AAS	1	10000
6	78	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	100.0
8	3	Ni ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10000

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To: NUINSCO RESOURCES LIMITED

908 THE EAST MALL
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M9B 6K2

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

Page Number : 1
Total Pages : 2
Certificate Date: 21-MAR-97
Invoice No. : I9716832
P.O. Number :
Account : LVY

*PLEASE NOTE:

CERTIFICATE OF ANALYSIS A9716832

NR96-67 (277135–277143)
NR96-66 (277144–277163)

SAMPLE	PREP CODE		Au ppb FA+AA	Au check	Au FA g/t	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm			
277135	205	226	25	-----	-----	20	164	0.3	-----			
277136	205	226	25	-----	-----	21	114	0.3	-----			
277137	205	226	40	-----	-----	14	76	0.4	-----			
277138	205	226	20	-----	-----	16	88	0.2	-----			
277139	205	226	250	-----	-----	40	155	0.4	-----			
277140	205	226	95	-----	-----	26	106	< 0.2	-----			
277141	205	226	30	-----	-----	23	47	0.2	-----			
277142	205	226	25	-----	-----	24	47	0.2	-----			
277143	205	226	60	-----	-----	19	132	< 0.2	-----			
277144	205	226	10	-----	-----	15	50	0.2	-----			
277145	205	226	< 5	-----	-----	8	41	0.2	-----			
277146	205	226	< 5	-----	-----	11	38	0.6	-----			
277147	205	226	< 5	-----	-----	16	64	0.2	-----			
277148	205	226	< 5	-----	-----	11	60	0.3	-----			
277149	205	226	35	-----	-----	41	310	0.4	-----			
277150	205	226	15	-----	-----	19	428	0.2	-----			
277151	205	226	< 5	-----	-----	8	160	< 0.2	-----			
277152	205	226	< 5	-----	-----	10	66	0.2	-----			
277153	205	226	15	-----	-----	13	84	0.2	-----			
277154	205	226	15	-----	-----	11	87	0.3	-----			
277155	205	226	45	-----	-----	82	100	0.8	16			
277156	205	226	25	-----	-----	23	140	0.3	6			
277157	205	226	75	-----	-----	29	100	0.7	10			
277158	205	226	20	-----	-----	17	92	0.3	-----			
277159	205	226	15	-----	-----	19	100	0.4	-----			
277160	205	226	10	-----	-----	9	22	< 0.2	-----			
277161	205	226	40	-----	-----	20	780	0.3	-----			
277162	205	226	85	-----	-----	12	184	1.2	-----			
277163	205	226	115	-----	-----	9	150	1.5	-----			
277164	205	226	75	-----	-----	15	220	1.7	-----			
277165	205	226	15	-----	-----	21	105	0.5	-----			
277166	205	226	65	-----	-----	15	720	1.1	-----			
277167	205	226	75	-----	-----	17	435	1.2	-----			
277168	205	226	225	-----	-----	27	600	3.2	-----			
277169	205	226	330	-----	-----	27	278	2.6	-----			
277170	205	226	960	-----	-----	136	720	10.8	-----			
277171	205	226	1000	-----	-----	149	1800	30.0	-----			
277172	205	226	330	-----	-----	18	82	2.3	-----			
277173	205	226	190	-----	-----	19	98	2.0	-----			
277174	205	226	65	-----	-----	23	236	1.5	-----			

CERTIFICATION: Hart Bichler

*SAMPLE 277211 EXHIBITS A GOLD NUGGET EFFECT.

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 :2
Total Pages :2
Certificate Date: 21-MAR-97
Invoice No. :I9716832
P.O. Number :
Account :LVY

*PLEASE NOTE:

CERTIFICATE OF ANALYSIS A9716832

SAMPLE	PREP CODE		Au ppb FA+AA	Au check	Au FA g/t	Cu ppm	Zn ppm	Ag ppm Aqua R	Ni ppm			
277175	205	226	115	-----	-----	19	115	1.4	-----			
277176	205	226	130	-----	-----	23	146	1.2	-----			
277177	205	226	180	-----	-----	21	160	1.2	-----			
277178	205	226	175	-----	-----	46	132	2.1	-----			
277179	205	226	590	-----	-----	345	5050	7.0	-----			
277180	205	226	170	-----	-----	33	188	2.0	-----			
277181	205	226	145	-----	-----	12	272	1.2	-----			
277182	205	226	260	-----	-----	40	580	1.8	-----			
277183	205	226	185	-----	-----	36	510	1.3	-----			
277184	205	226	125	-----	-----	15	125	1.1	-----			
277185	205	226	155	-----	-----	39	200	2.3	-----			
277186	205	226	180	-----	-----	29	130	1.8	-----			
277187	205	226	120	-----	-----	53	95	0.8	-----			
277188	205	226	170	-----	-----	79	390	0.9	-----			
277189	205	226	200	-----	-----	215	1200	3.0	-----			
277190	205	226	145	-----	-----	25	70	0.9	-----			
277191	205	226	300	-----	-----	28	80	2.0	-----			
277192	205	226	275	-----	-----	32	116	1.7	-----			
277193	205	226	160	-----	-----	35	145	1.1	-----			
277194	205	226	185	-----	-----	20	86	1.2	-----			
277195	205	226	280	-----	-----	40	105	1.3	-----			
277196	205	226	225	-----	-----	161	550	1.8	-----			
277197	205	226	300	-----	-----	39	210	1.5	-----			
277198	205	226	350	-----	-----	62	455	1.3	-----			
277199	205	226	360	-----	-----	48	250	1.2	-----			
277200	205	226	545	-----	-----	198	1100	3.5	-----			
277201	205	226	285	-----	-----	22	225	1.2	-----			
277202	205	226	235	-----	-----	18	110	1.3	-----			
277203	205	226	205	-----	-----	41	315	1.2	-----			
277204	205	226	290	-----	-----	121	1300	4.9	-----			
277205	205	226	225	-----	-----	84	445	2.5	-----			
277206	205	226	215	-----	-----	82	1500	1.2	-----			
277207	205	226	475	-----	-----	73	175	2.7	-----			
277208	205	226	370	-----	-----	25	88	2.3	-----			
277209	205	226	305	-----	-----	54	415	3.5	-----			
277210	205	226	2670	-----	-----	30	134	2.3	-----			
277211	205	226	>10000	8.130	6.75	54	95	3.6	-----			
277212	205	226	425	-----	-----	45	125	0.5	-----			

CERTIFICATION: Patrick Buckler

*SAMPLE 277211 EXHIBITS A GOLD NUGGET EFFECT.

APPENDIX V

EXPLORATION DATA

DOWN-HOLE PULSE EM REPORT

GEOPHYSICAL SURVEY REPORT
FOR

NUINSCO RESOURCES LTD.

RAINY RIVER PROERTY

BY

CRONE GEOPHYSICS & EXPLORATION LTD.

Survey Area:	**RAINY RIVER PROPERTY** **Richardson Grid** **near Emo, Ontario**
Survey Type:	**3D Borehole PEM Survey**
Survey Operator:	**Crone Geophysics & Exploration Ltd.**
Interpretation:	**Dave Watson** **Crone Geophysics & Exploration Ltd.**
Report Date:	**July 28, 1997**

Since 1962

CRONE GEOPHYSICS & EXPLORATION LTD.

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL: (905) 270-0096 • FAX: (905) 270-3472 • TELEX: 06-961260

INTERPRETATION REPORT FOR NUNSCO RESOURCES

RE: RAINY RIVER PROJECT
RICHARDSON GRID

BY: Dave Watson
Crone Geophysics & Exploration Ltd.
July 28, 1997

INTRODUCTION

This report is a compilation of all the borehole Pem surveys that have been performed to date on the Rainy River Project. Included here are all the interpretations that have been done previously. This report is a companion to the logistics report delivered on July 14/1997.

RESULTS OF THE BOREHOLE PEM SURVEY

A review of all the borehole PEM data has resulted in an outline of the conductor in plan and in long section at a scale of 1:1500. As the drilling progressed and the PEM survey were done, interim interpretations were given. These are included in the following section of this report.

Generally, the conductor that has been traced out appears as a horizontal pipe with a diameter in the order of 25 to 30 metres and a strike extent of at least 450 metres. A conductor of this geometry does not create a large secondary magnetic field and therefore is not detected much more than 50 metres distant from the receiver sensor down the hole. Since the conductor is a difficult one to drill many of the holes went either below or above the conductor. However, the PEM survey of these holes that missed the conductor indicate that the conductor is continuous for approximately 450 metres as shown on the plan and section maps.

It is determined that the southwest end is defined (i.e. cut off) however there is the possibility that the conductor has a continuation to the northeast. This should be explored. Even though the PEM results of hole NR9665 which intersected the zone indicate that the zone has more of an extension to the southwest it does not mean that the zone does not have a northeast extent.

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The PEM survey of NR9666 did not see the conductor, however, this hole would have intersected the plane of the conductor much too deep. Also there could be a change in strike to the north and therefore it would have gone undetected from hole NR9666. I would therefore recommend that a hole collared at 150W/500S be drilled to test the northeast extension possibility.

All the other holes drilled outside the conductor did not reveal any obvious massive sulphide target

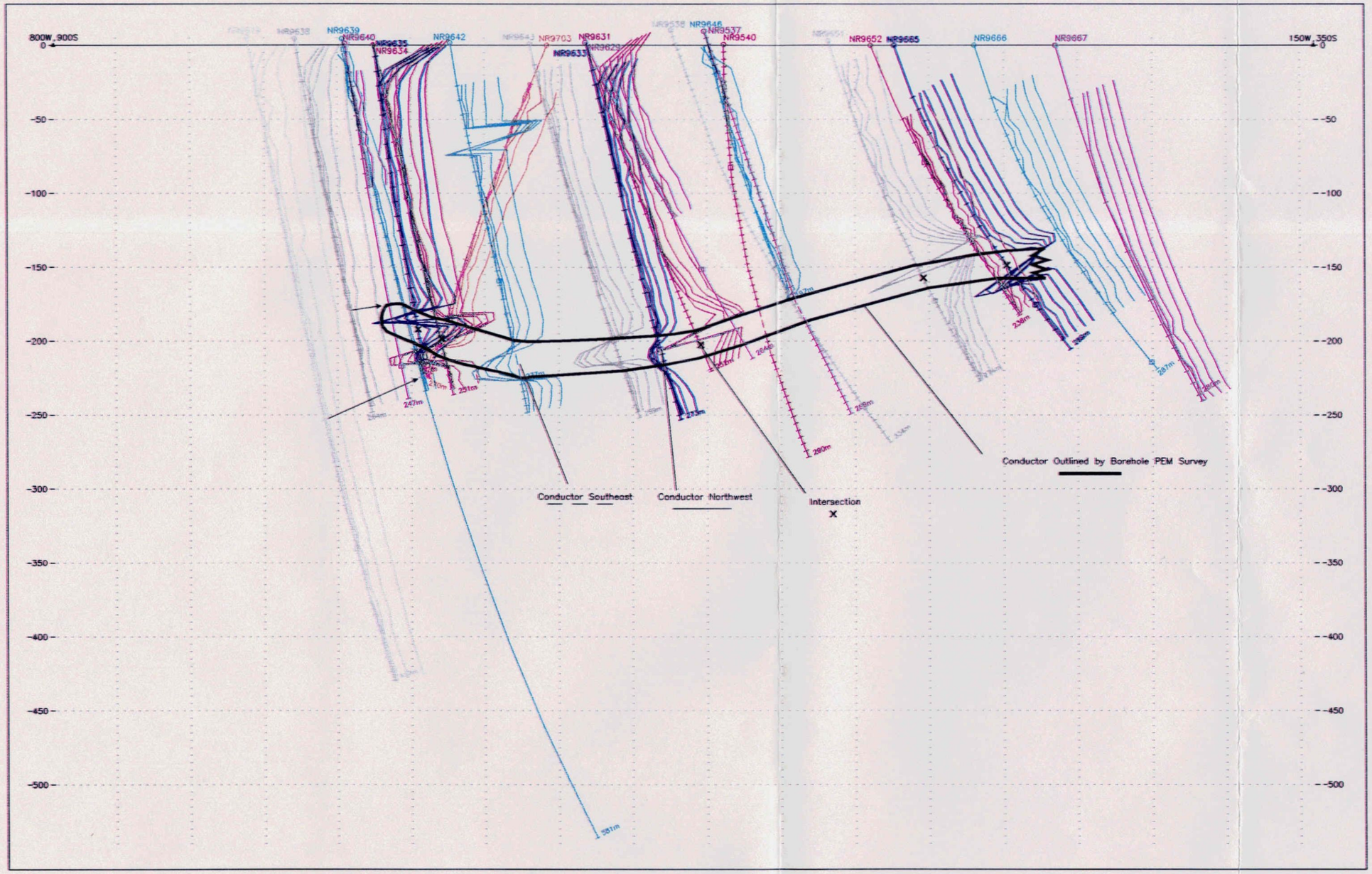
CONCLUSION

The borehole PEM survey proved successful in defining the conductor which exhibits high conductivity. Its geometry however, limits its detection to about 50 metres from the receiver sensor and this is one of the reasons why it would not be detected from a surface survey. If the body had a down dip extent of at least 100 metres it would probably be detected from surface.

Respectfully Submitted

D. Watson

Dave Watson
Crone Geophysics & Exploration Ltd.
July 28, 1997



Section from 800W/900S to 150W/350S
depicting
Z Component Pulse EM data profiles
Channels 10, 12, 14, 16, 18

and

Interpreted Conductor
Outlined by
3D Borehole PEM Survey

Data Scale
(lin–log)

nanoTesla/sec²

Map Scale

(metres)

NUINSCO RESOURCES LTD.
RAINY RIVER PROJECT

3–D Borehole Pulse EM Survey
Section Looking Grid Northwest

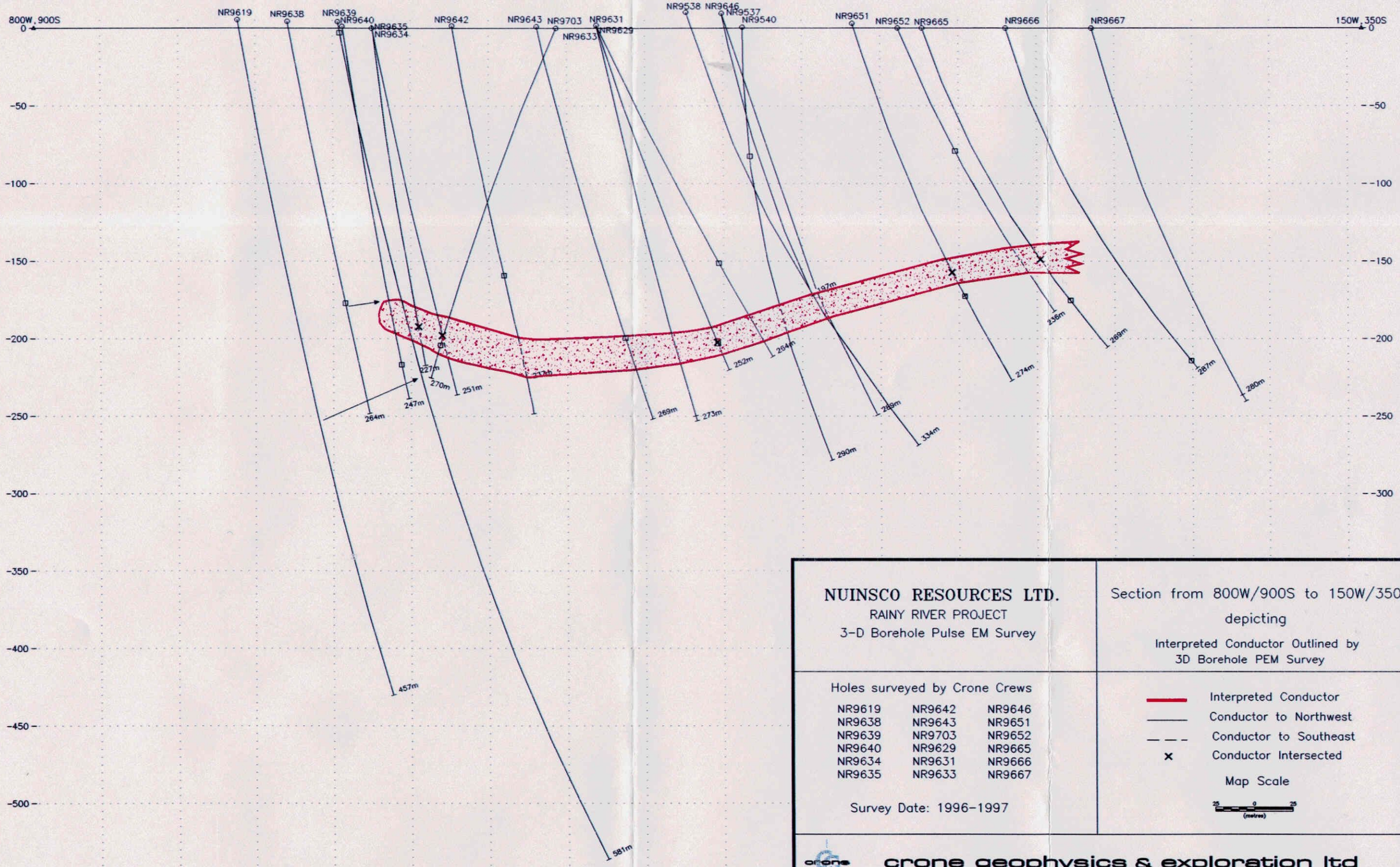
Holes surveyed by Crone Crews

NR9619	NR9642	NR9646
NR9638	NR9643	NR9651
NR9639	NR9703	NR9652
NR9640	NR9629	NR9665
NR9634	NR9631	NR9666
NR9635	NR9633	NR9667

Survey Date: 1996–1997

crone

crone geophysics & exploration ltd



NUINSCO RESOURCES LTD.

RAINY RIVER PROJECT

3-D Borehole Pulse EM Survey

Section from 800W/900S to 150W/350S depicting

Interpreted Conductor Outlined by 3D Borehole PEM Survey

Holes surveyed by Crone Crews

NR9619	NR9642	NR9646
NR9638	NR9643	NR9651
NR9639	NR9703	NR9652
NR9640	NR9629	NR9665
NR9634	NR9631	NR9666
NR9635	NR9633	NR9667

Survey Date: 1996-1997

Interpreted Conductor

Conductor to Northwest

Conductor to Southeast

× Conductor Intersected

Map Scale

25 0 25 (metres)

crone geophysics & exploration ltd

Possible strike change

Conductor above hole?

Recommended Hole -55°

Conductor Outlined by Borehole PEM Survey

Conductor above 9703

Nuinsco Resources Limited

Rainy River Project

Diamond Drill Plan

17 Zone

Crone Surveyed Holes

DATE: 97/06/09 | SCALE: 1:1250

PRELIMINARY INTERPRETATION REPORTS
1996-1997

RAINY RIVER PROJECT

RICHARDSON GRID

by

Crone Geophysics & Exploration Ltd.

INTERPRETATION REPORT

Introduction

A 3D Borehole PEM Survey was performed for Nuinsco Resources Ltd. on its Rainy River Project near EMO, Ontario. Five holes were surveyed during the period of Sept. 26 to Oct. 21 by Crone Geophysics & Exploration Ltd. These holes were: NR-9651, NR-9652, NR-9653, NR-9655, NR-9656.

Interpretation

NR-96-51

180 m - An in-hole response is evident here in the Z component. The late channel response indicates the hole has intersected a body of excellent conductance. As a rough estimate one dimension of the body is estimated to be ~ 60 m in size. The X and Y responses indicate this conductor has been intersected close to its center.

NR-96-52:

150 m- A weak off-hole response is centered at this depth. In the X component a +\- inflection is evident indicating the conductor is located below the hole. This is interpreted has being the same zone which was intersected by hole NR-96-51. The Y component shows no clear inflection indicating the conductor is centered on the hole as depicted on the accompanying plan map.

NR-96-53

40 m - A 'spiky' in-hole type response is evident here. This could represent the hole intersecting conductive material at this point but it is more likely due to the close proximity of the hole casing.

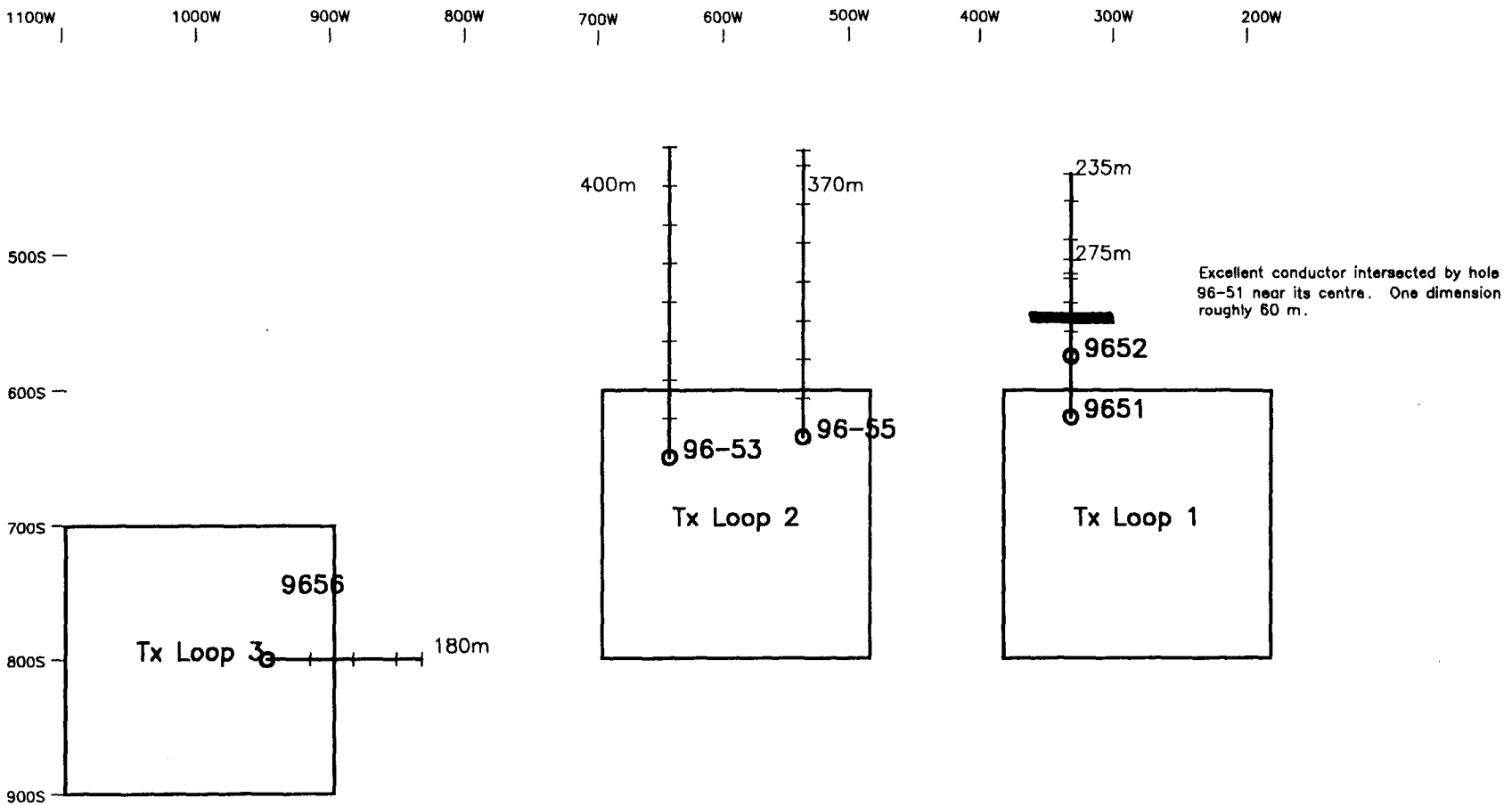
NR-96-55

No anomalous response is evident in this hole.

NR-96-56

No anomalous response is evident in this hole.

Respectfully submitted,
Kevin Ralph
Geophysicist
Crone Geophysics & Exploration Ltd.



Scale 1:5000

50 0 50 100

(meters)

NUINSCO RESOURCES LTD.

Rainy River Project

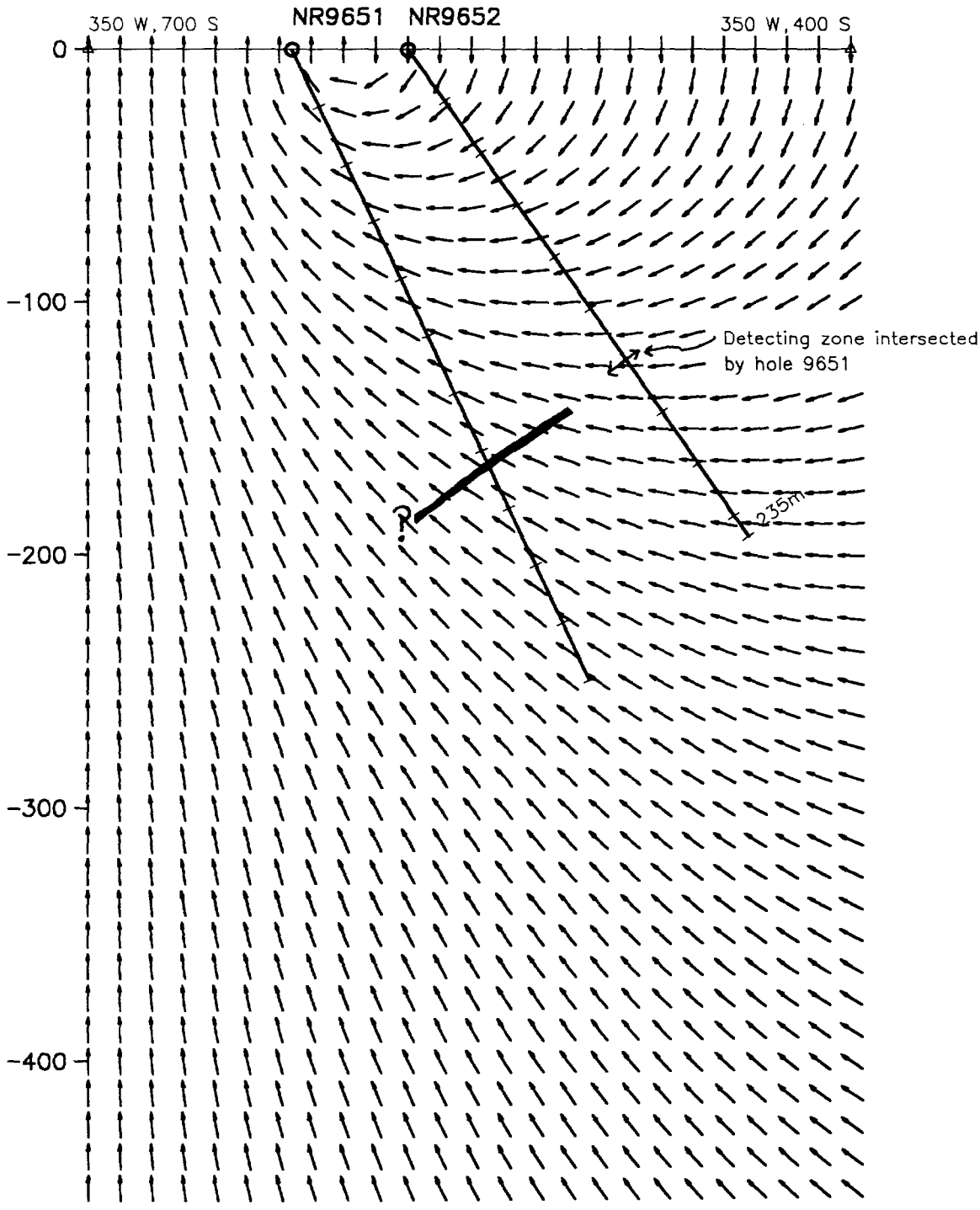
3-D Borehole Pulse EM Survey

Borehole & Loop Location Map

Holes:96-51, 96-52, 96-53, 96-64, 96-55

Survey Date: Sept., Oct., 1996

Crone Geophysics & Exploration Ltd.

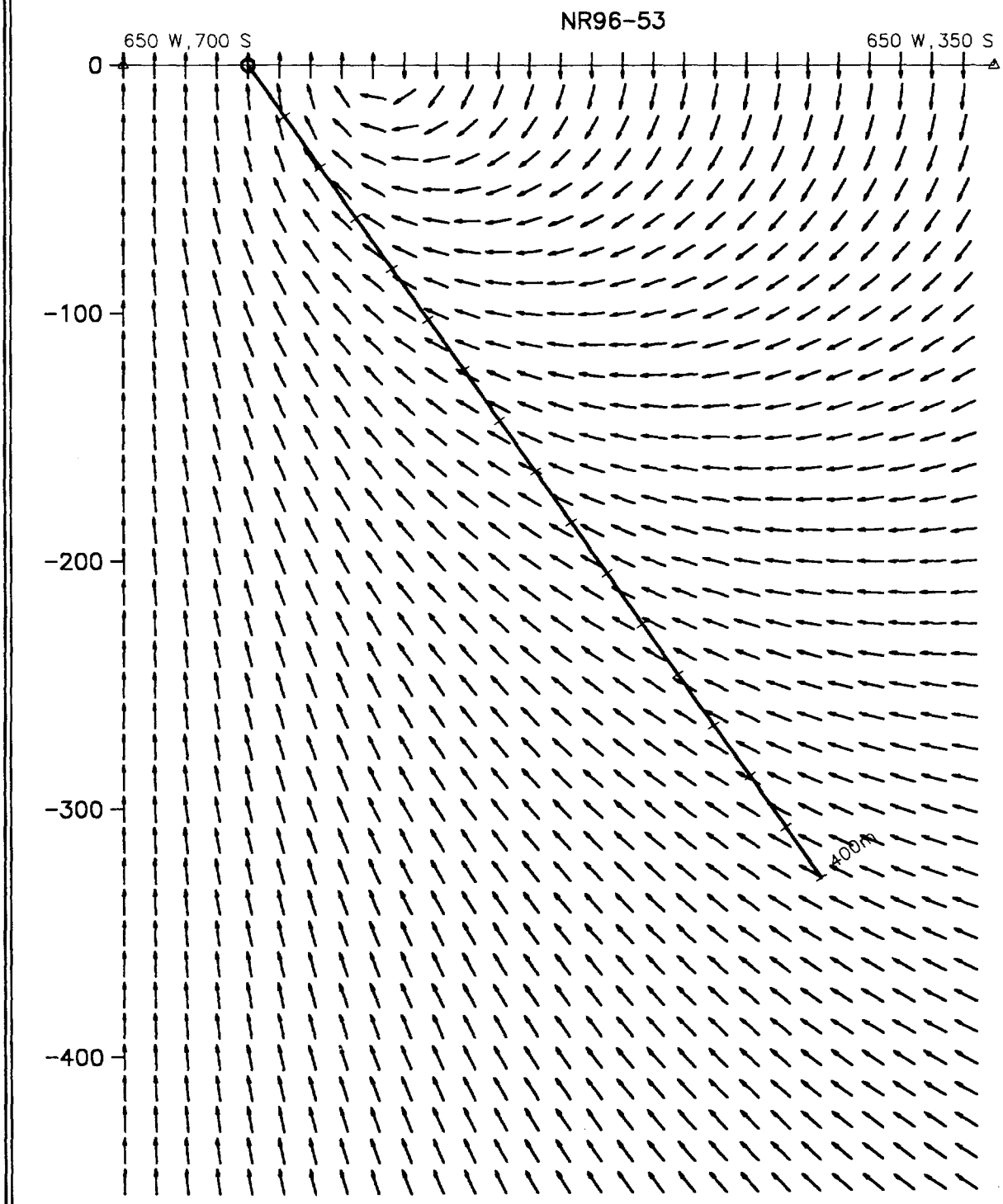


Scale 1:2500

25 0 25 50

(meters)

NUINSCO RESOURCES LTD
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 350 W
Holes: NR96-51, NR96-52
Survey Date: Sept. 27-28, 1996
Crone Geophysics & Exploration Ltd.

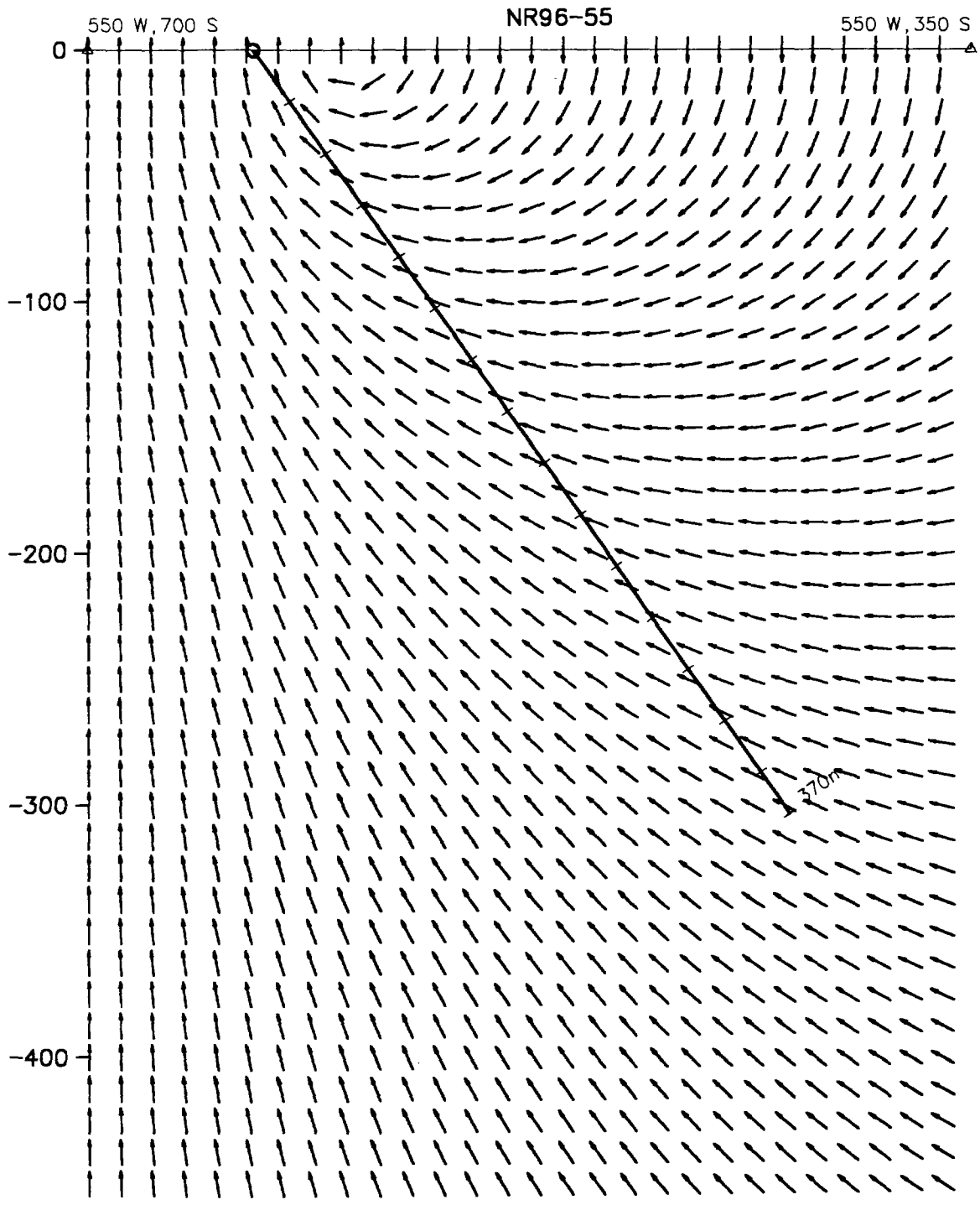


Scale 1:2500

25 0 25 50

(meters)

NUINSCO RESOURCES LTD.
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 650 W
Hole: NR96-53
Survey Date: Oct 20, 1996
Crone Geophysics & Exploration Ltd.

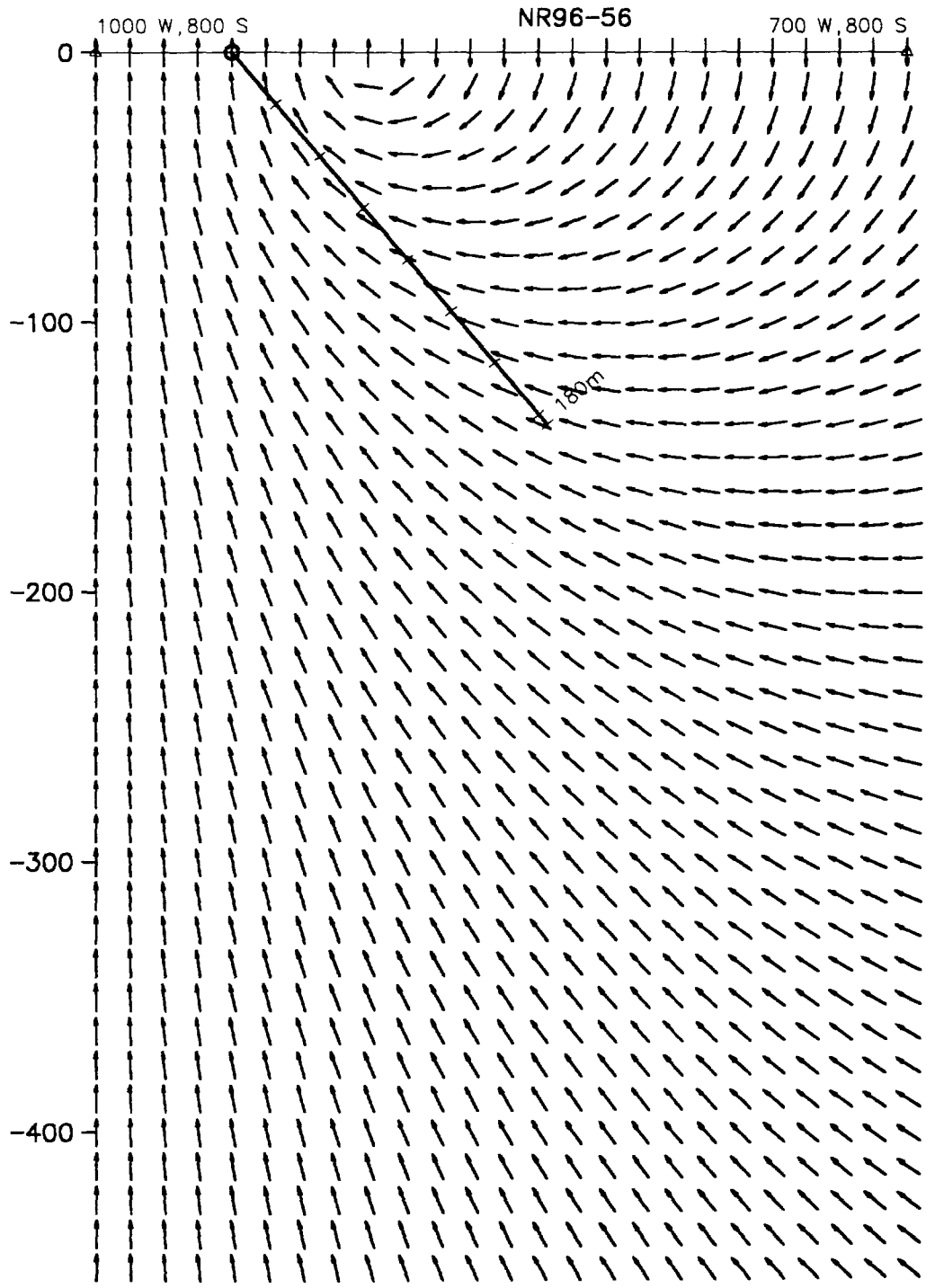


Scale 1:2500

25 0 25 50

(meters)

NUINSCO RESOURCES LTD.
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 550 W
Hole: NR96-55
Survey Date: Oct 20, 1996
Crone Geophysics & Exploration Ltd.



Scale 1:2500

25 0 25 50

(meters)

NUINSCO RESOURCES LTD.

Rainy River

3-D Borehole Pulse EM Survey

Primary Field on Section 800 S

Hole: NR96-56

Survey Date: Oct 19, 1996

Crone Geophysics & Exploration Ltd.

INTERPRETATION REPORT

Introduction

A 3D Borehole PEM Survey was performed for Nuinsco Resources Ltd. on its Rainy River Project near EMO, Ontario. Sixteen holes were surveyed during the period of June 17 to August 10 by Crone Geophysics & Exploration Ltd. These holes were: NR-9532, NR-9619, NR 96-29, NR-9631, NR-9633, NR-9634, NR-9635, NR-9638, NR9639, NR-9640, NR-9641, NR-9642, NR-9643, NR-9644, NR-9646.

Interpretation

NR-9532: No anomalous zone has been identified in this hole.

NR-9619: 270 m- A weak off-hole response is centered at this depth. No direction is inferred from the X and Y components.

NR-9629: No anomalous zone has been identified in this hole.

NR-9631: 225 m- An in-hole response is evident here indicating the hole has intersected high conductance material at this point. A rough size estimate puts one dimension of the body at ~ 60 m. The center of this body lies slightly below and east of the intersection.

NR-9633: 225 m- The Z component response indicates an off-hole conductor lying less than 10 m away at this point. The X component response indicates this body lies above the hole. The Y component indicates the body is centered slightly to the west of the hole. This is probably the same zone which was intersected by hole 31.

NR-9634: 190 m- An off-hole response is seen here and probably represents the top of the conductor which was intersected by hole 35.
200-215- An off-hole anomaly is evident over this zone which is interpreted as the vertical face of a high conductance body lying above and grid west of the hole.

NR-9635: 190 m- An in-hole response is evident here in the Z component. The conductor is centered below and west of the hole as shown on the accompanying plan and section maps.

NR-9638: 200 m - A weak off-hole anomaly is evident at this depth. No direction is inferred from the cross-component probe but the response is probably due to the conductor on section 600 W (i.e. same zone as seen from hole 34).

NR-9639: 190 m - A weak off-hole response is seen here. No direction is determined from the XY response. The anomaly is probably due to the conductor on section 600 W , the same conductor as seen from hole 35.

NR-9640: This hole was originally drilled to a depth of 100 m. The borehole survey on July 19 yielded no anomalous response. The hole was later extended (and surveyed) to a depth of 247 m. An in-hole response is evident at 210 m. The off-hole type response at 195 m could possibly represent the top of this body. The conductor is interpreted as lying below the hole. This could be the same zone as seen on section 600 W.

NR-9641: No anomalous zone has been identified in this hole.

NR-9642: 65 m - An in-hole response is evident here and probably corresponds with a small 'splash' of conductive material at this point.
225 m - In the Z component we see an off-hole anomaly at this depth. The conductor is interpreted as lying approximately 10 m away, The XY response indicates the body lies below and east of the hole.

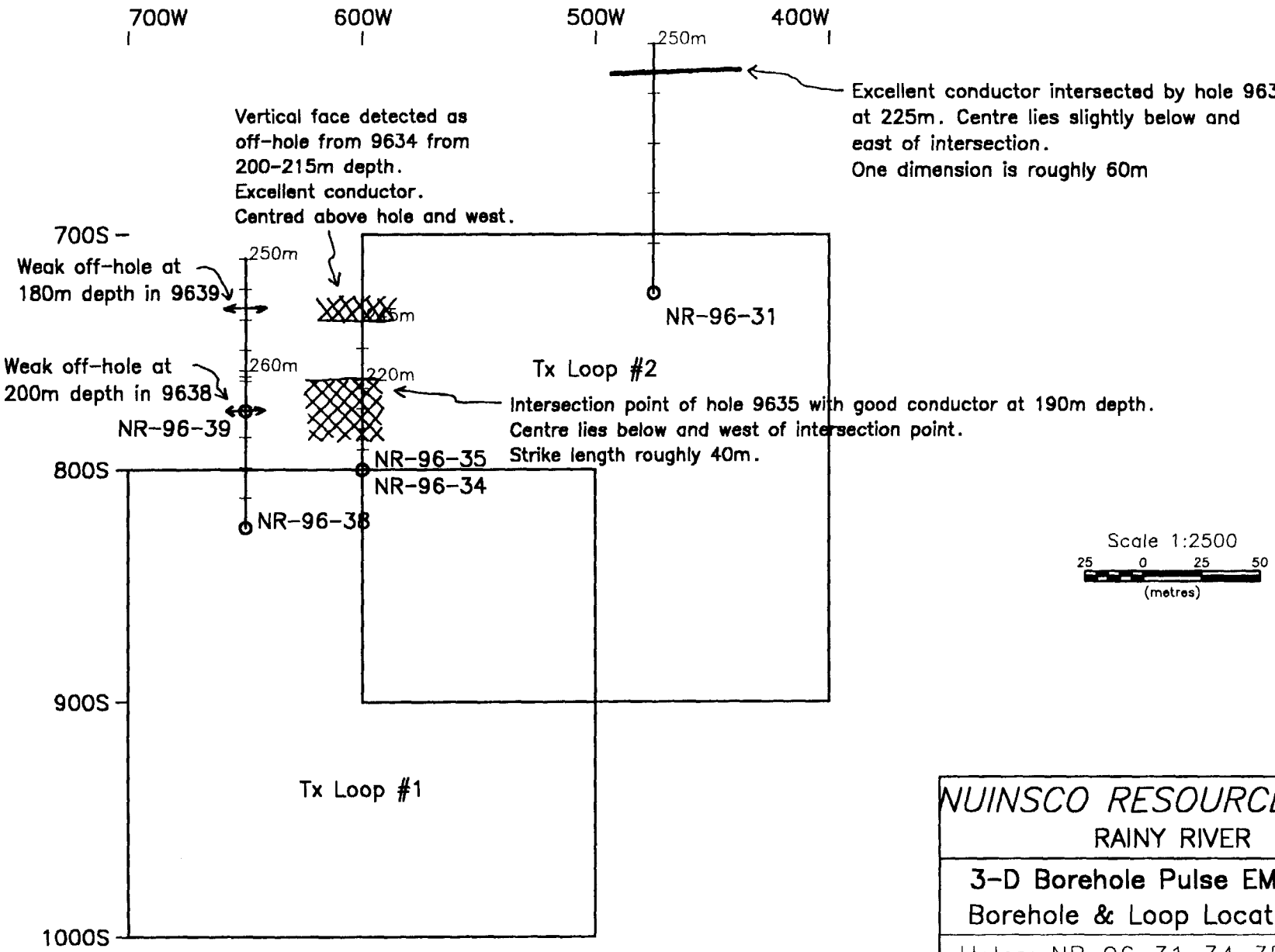
NR-9643: 220 m - An off-hole response is evident here with the conductor lying less than 10 m away. The X component response indicates the body lies above the hole. The Y component indicates the body is centered to the west of the hole.

NR-9644: No anomalous zone has been identified in this hole.

NR-9646: There appears to be a build-up towards an off-hole anomaly at the bottom of the hole. The distance to this body is not known as we do not see the entire anomaly shape. The direction is also difficult to determine but it appears as if the body will be centered below and grid west of the hole.

Respectfully Submitted,

Kevin Ralph
Geophysicist
Crone Geophysics & Exploration Ltd.



NUINSCO RESOURCES LTD.

RAINY RIVER

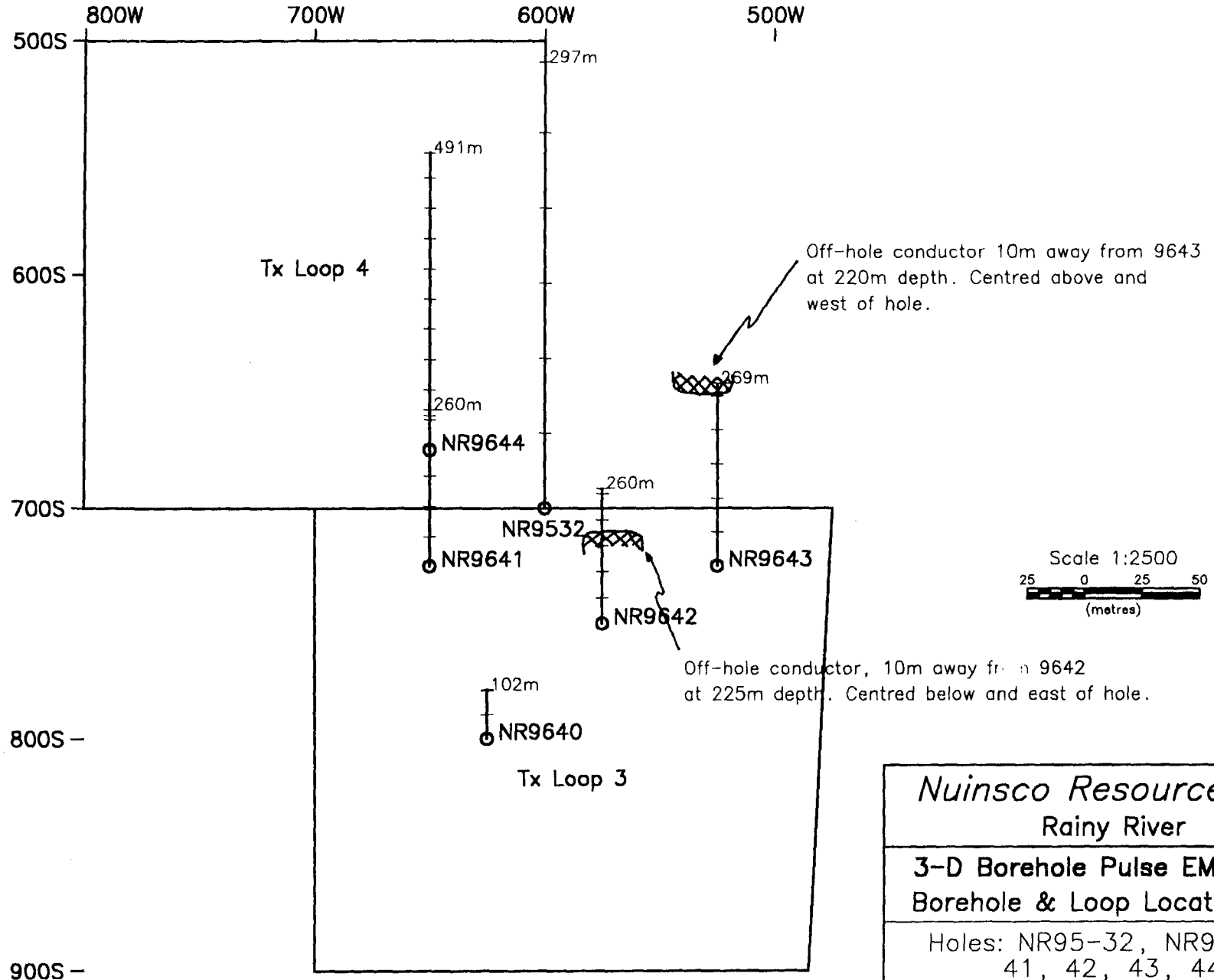
3-D Borehole Pulse EM Survey

Borehole & Loop Location Map

Holes: NR-96-31, 34, 35, 38, 39

Survey Date: June 1996

Crone Geophysics & Exploration Ltd.



Nuinsco Resources Ltd

Rainy River

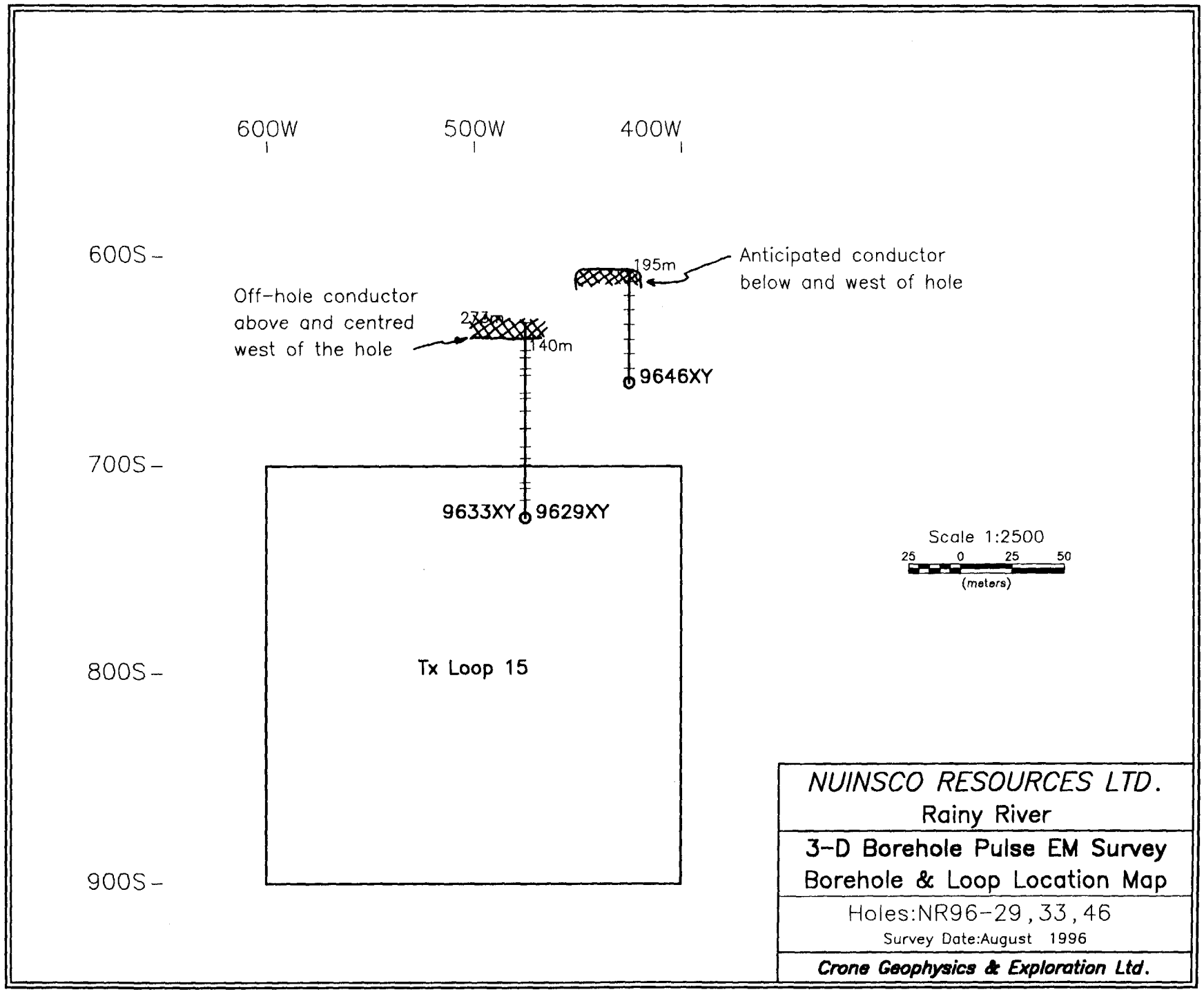
3-D Borehole Pulse EM Survey

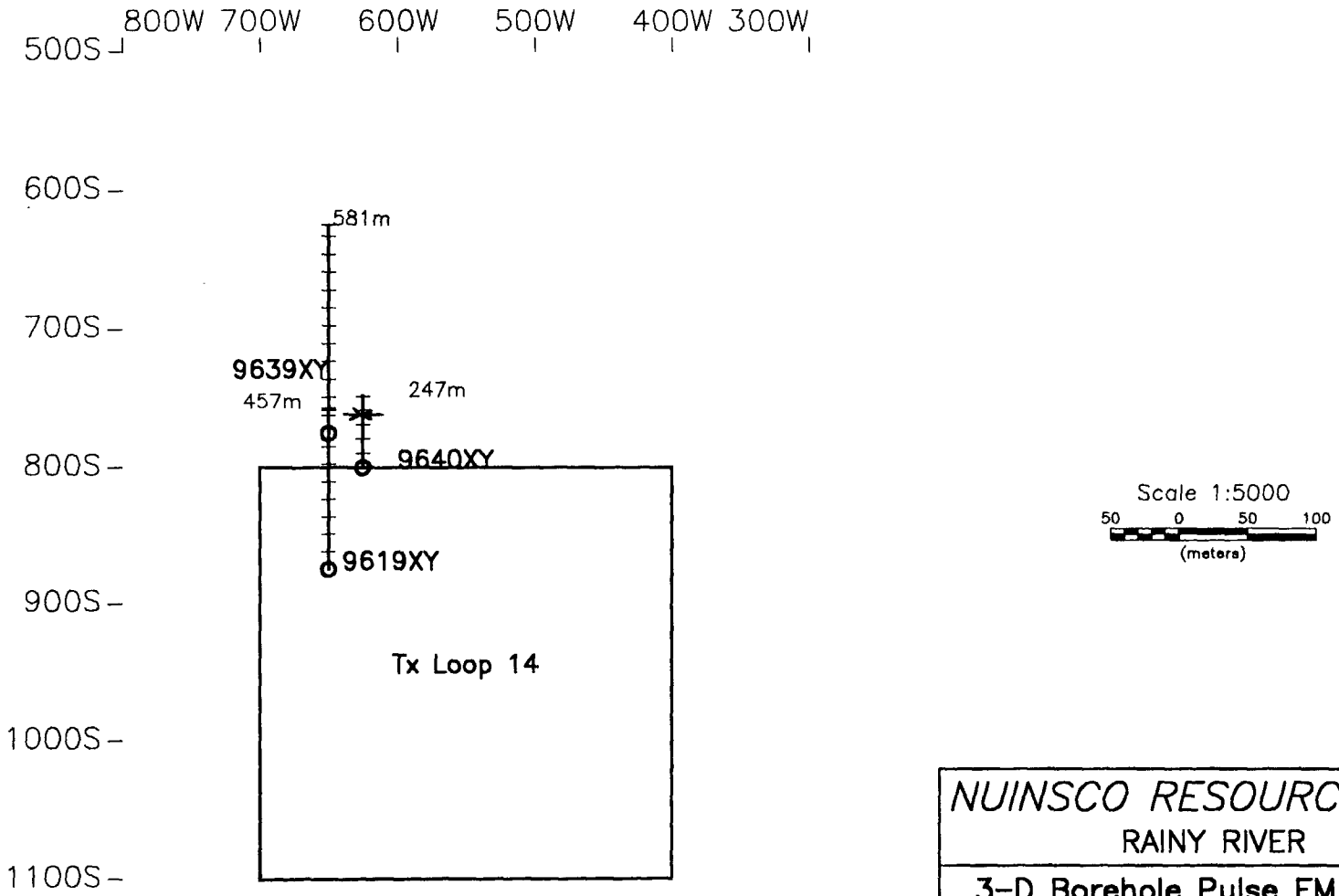
Borehole & Loop Location Map

Holes: NR95-32, NR96-40, 41, 42, 43, 44

Survey Date: July 19-21 1996

Crone Geophysics & Exploration Ltd.


600W
500W
400W
600S
700S
800S
900S
195m
Anticipated conductor
below and west of hole
Off-hole conductor
above and centred
west of the hole
140m
9646XY
9633XY
9629XY
Tx Loop 15
Scale 1:2500
25 0 25 50
(meters)
NUINSCO RESOURCES LTD.
Rainy River
3-D Borehole Pulse EM Survey
Borehole & Loop Location Map
Holes:NR96-29, 33, 46
Survey Date:August 1996
Crone Geophysics & Exploration Ltd.



Scale 1:5000

50 0 50 100

(meters)

NUINSCO RESOURCES LTD

RAINY RIVER

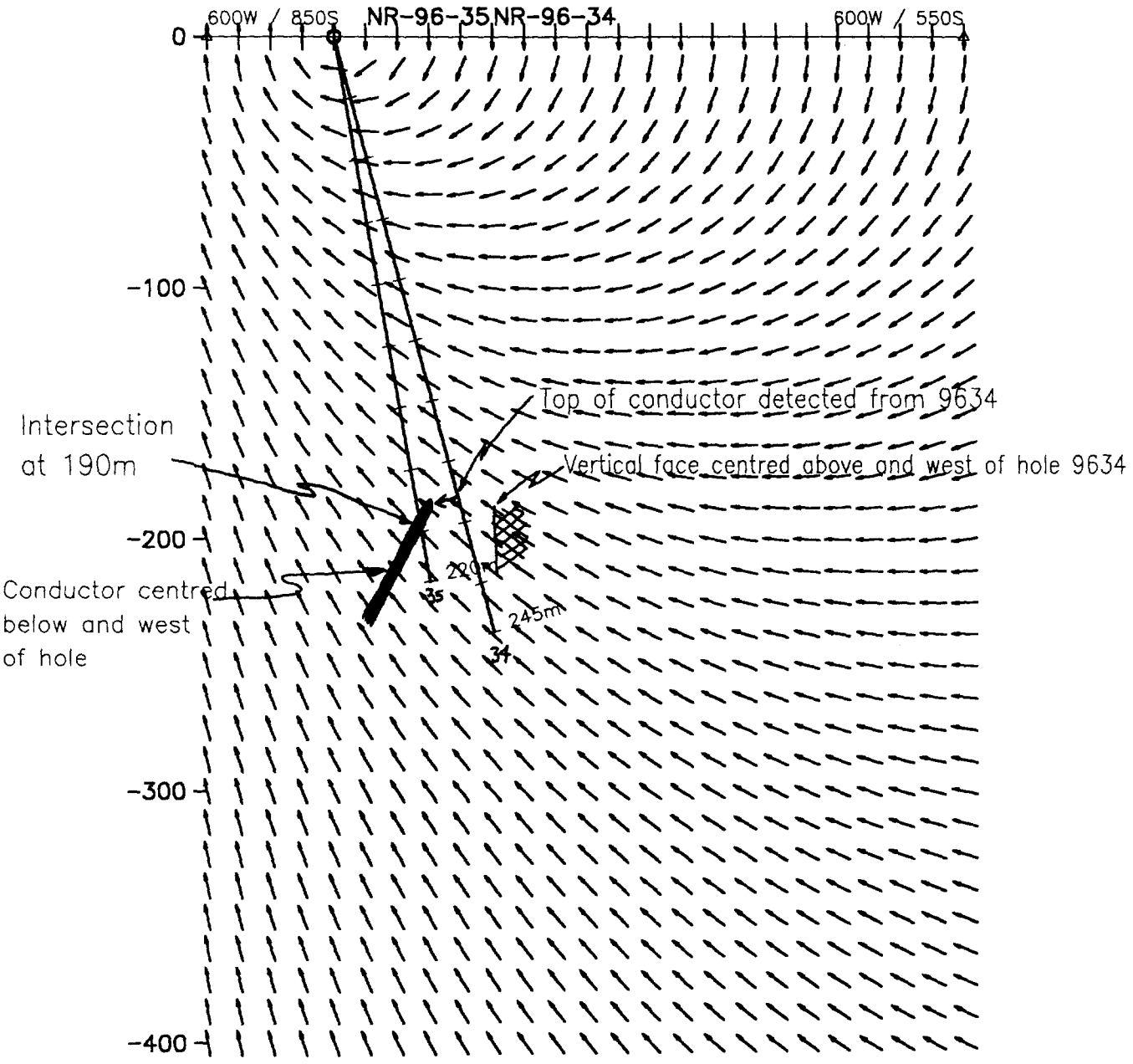
3-D Borehole Pulse EM Survey

Borehole & Loop Location Map

Holes:NR96-19, 39, 40

Survey Date: August 1996

Crone Geophysics & Exploration Ltd.



Scale 1:2500

25 0 25 50

(metres)

NUINSCO RESOURCES LTD.

RAINY RIVER

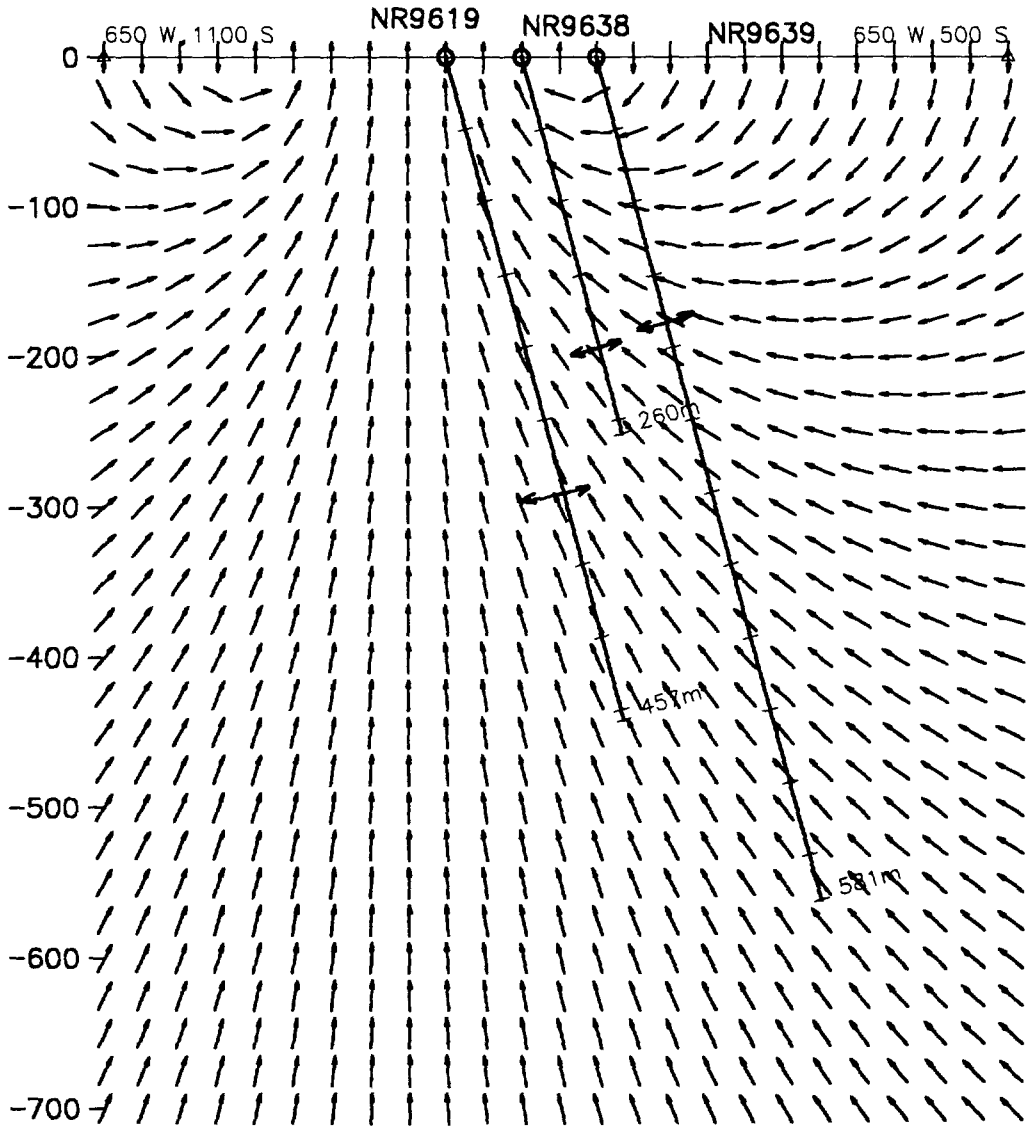
3-D Borehole Pulse EM Survey

Primary Field on Section 600W

Holes: NR-96-34, NR-96-35

Survey Date: June, 1996

Crone Geophysics & Exploration Ltd.



Scale 1:5000

50 0 50 100

(meters)

NUINSCO RESOURCES LTD.

RAINY RIVER

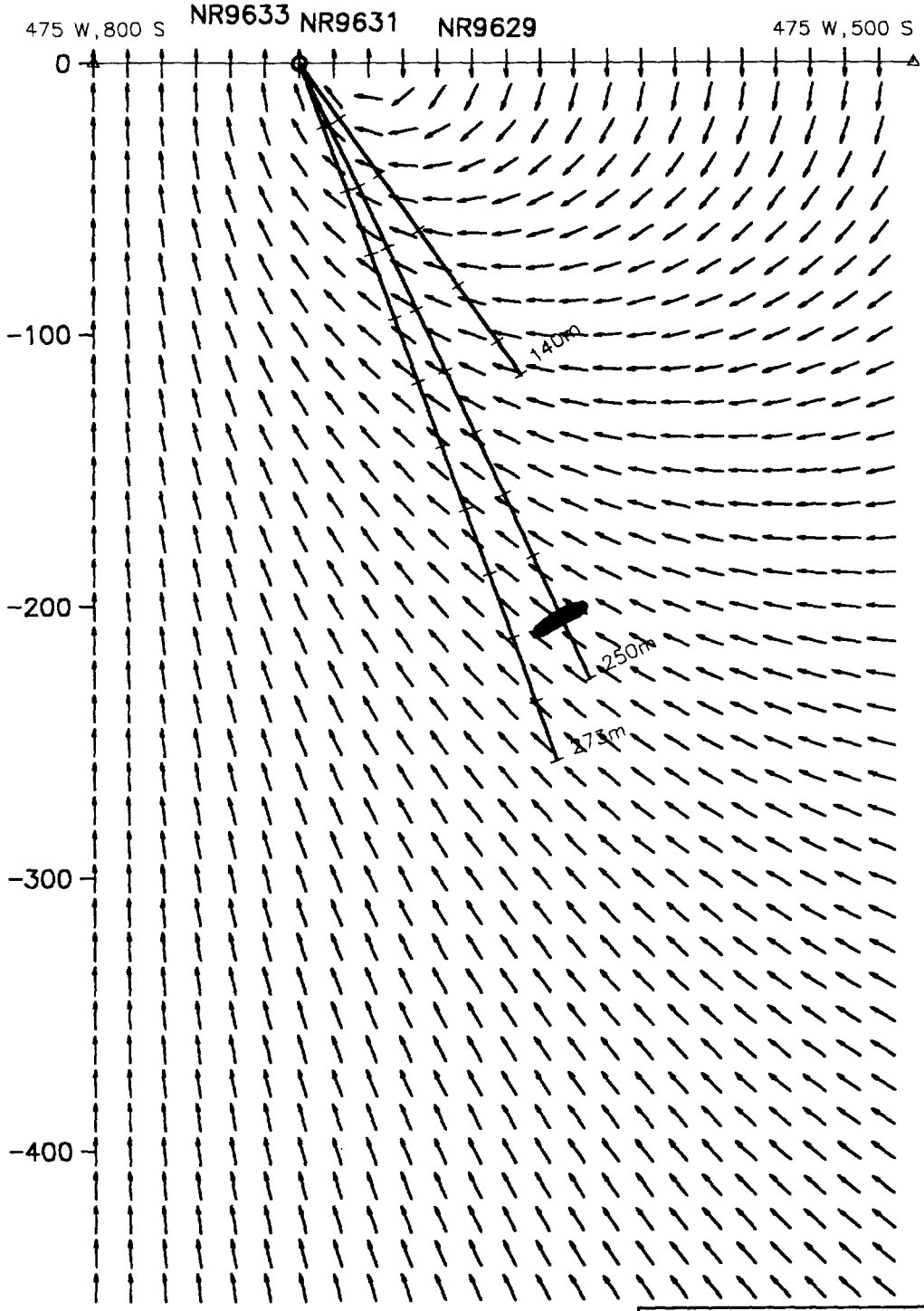
3-D Borehole Pulse EM Survey

Hole Section with Primary Field

Holes: NR9619, NR9638, NR9639

Survey Date: July, August 1996

Crone Geophysics & Exploration Ltd.



Scale 1:2500

25 0 25 50

(meters)

NUINSCO RESOURCES LTD.

RAINY RIVER

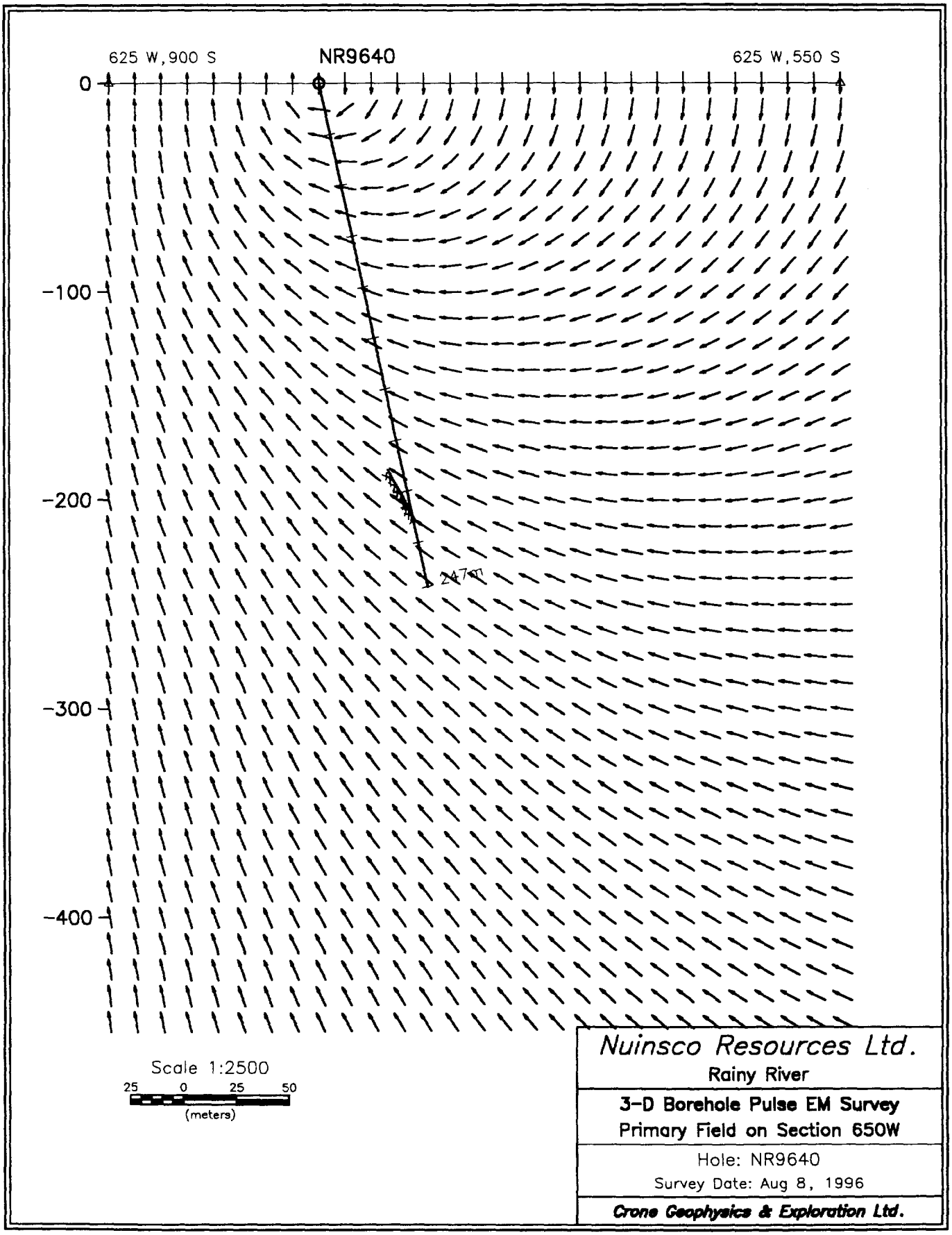
3-D Borehole Pulse EM Survey

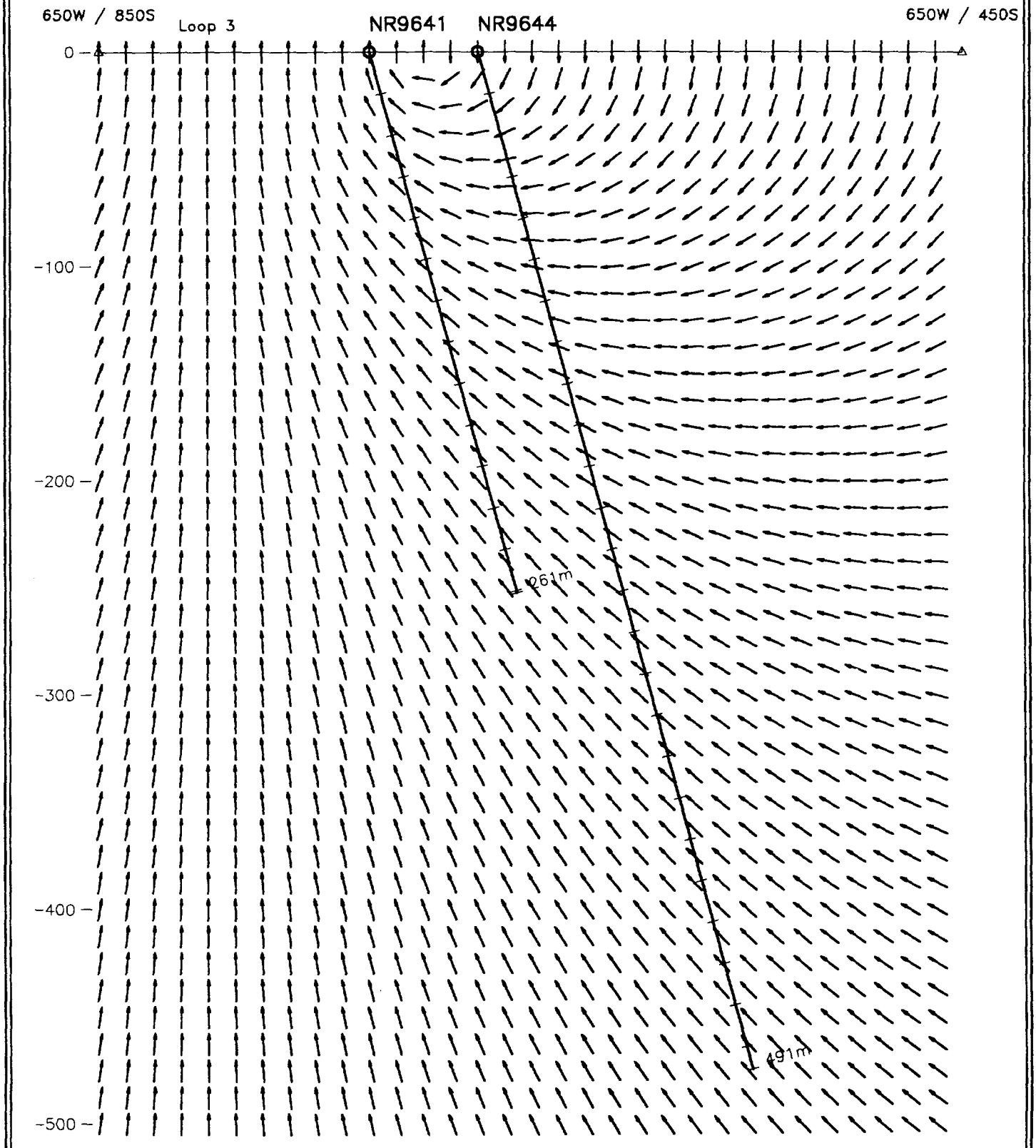
Primary Field on Section 475W

Holes:NR9629, NR9631, NR9633

Survey Date: June , August 1996

Crone Geophysics & Exploration Ltd.


625 W,900 S
NR9640
625 W,550 S
0
-100
-200
-300
-400
247m
Scale 1:2500
25 0 25 50
(meters)
Nuinsco Resources Ltd.
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 650W
Hole: NR9640
Survey Date: Aug 8, 1996
Crone Geophysics & Exploration Ltd.

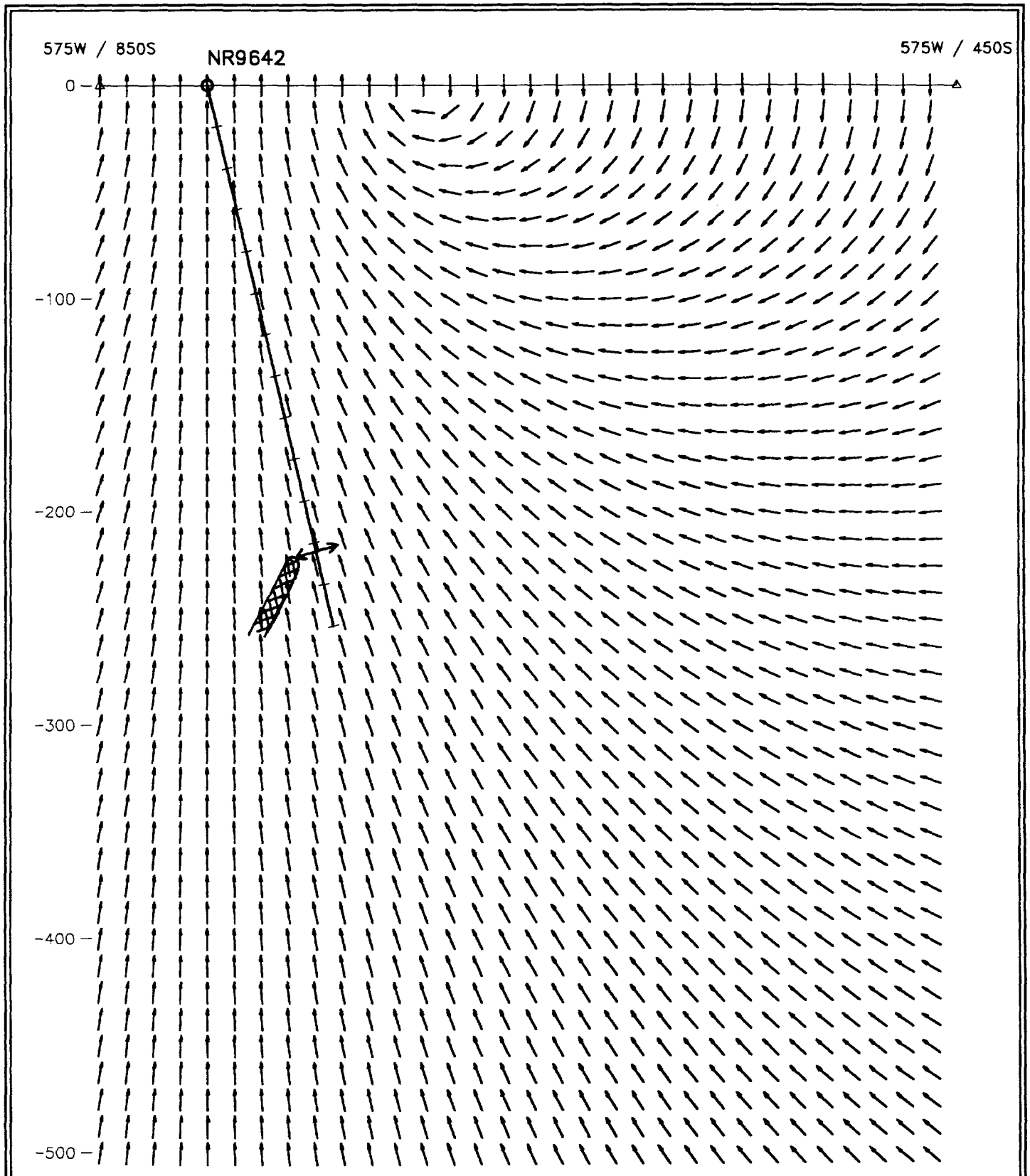


Scale 1:2500

25 0 25 50

(metres)

Nuinsco Resources Ltd
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 650W
Holes: NR9644 , NR9641
Survey Date: Jul 20 1996

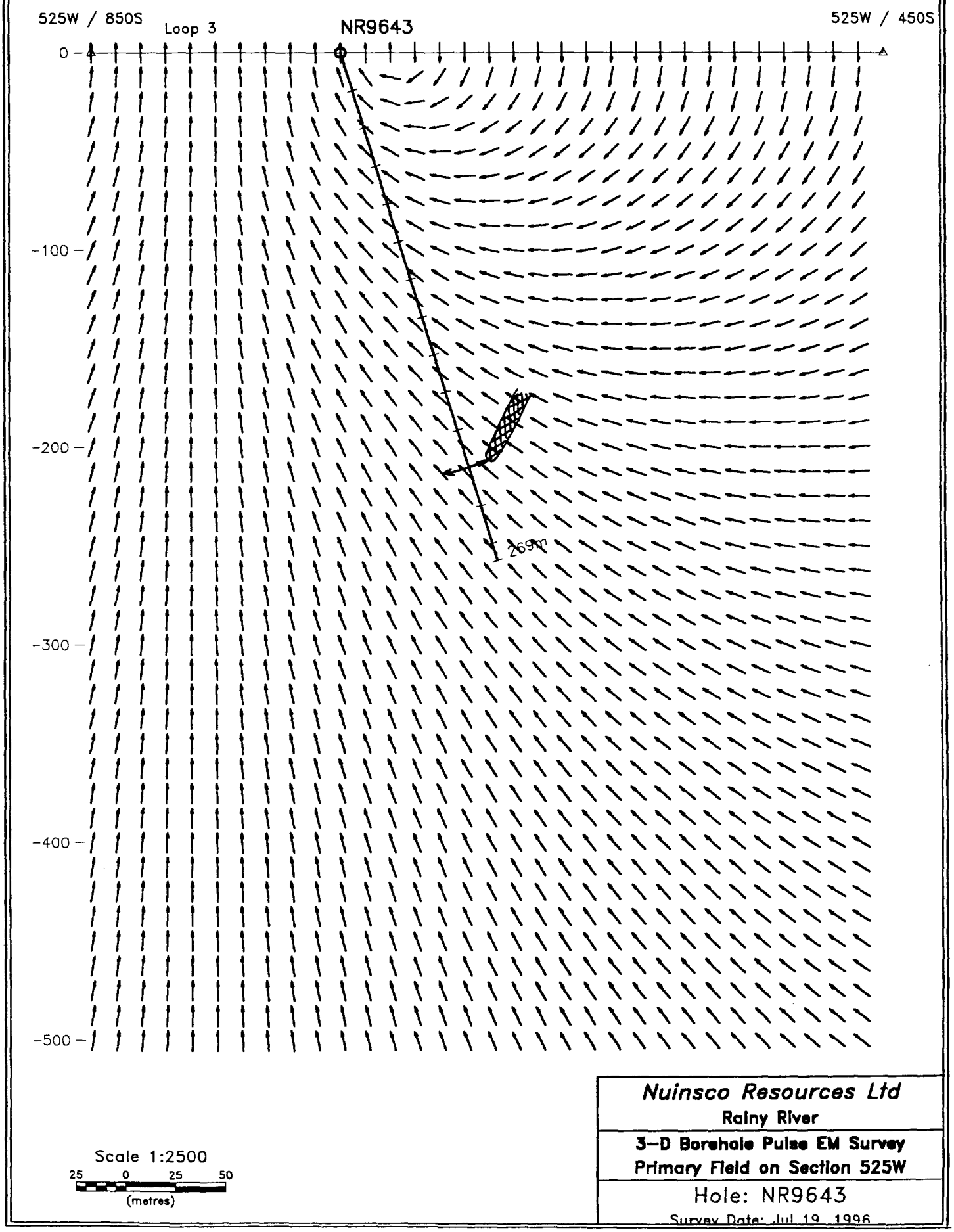


Scale 1:2500

25 0 25 50

(metres)

Nuinsco Resources Ltd
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 575W
Hole: NR9642
Survey Date: Jul 19, 1996

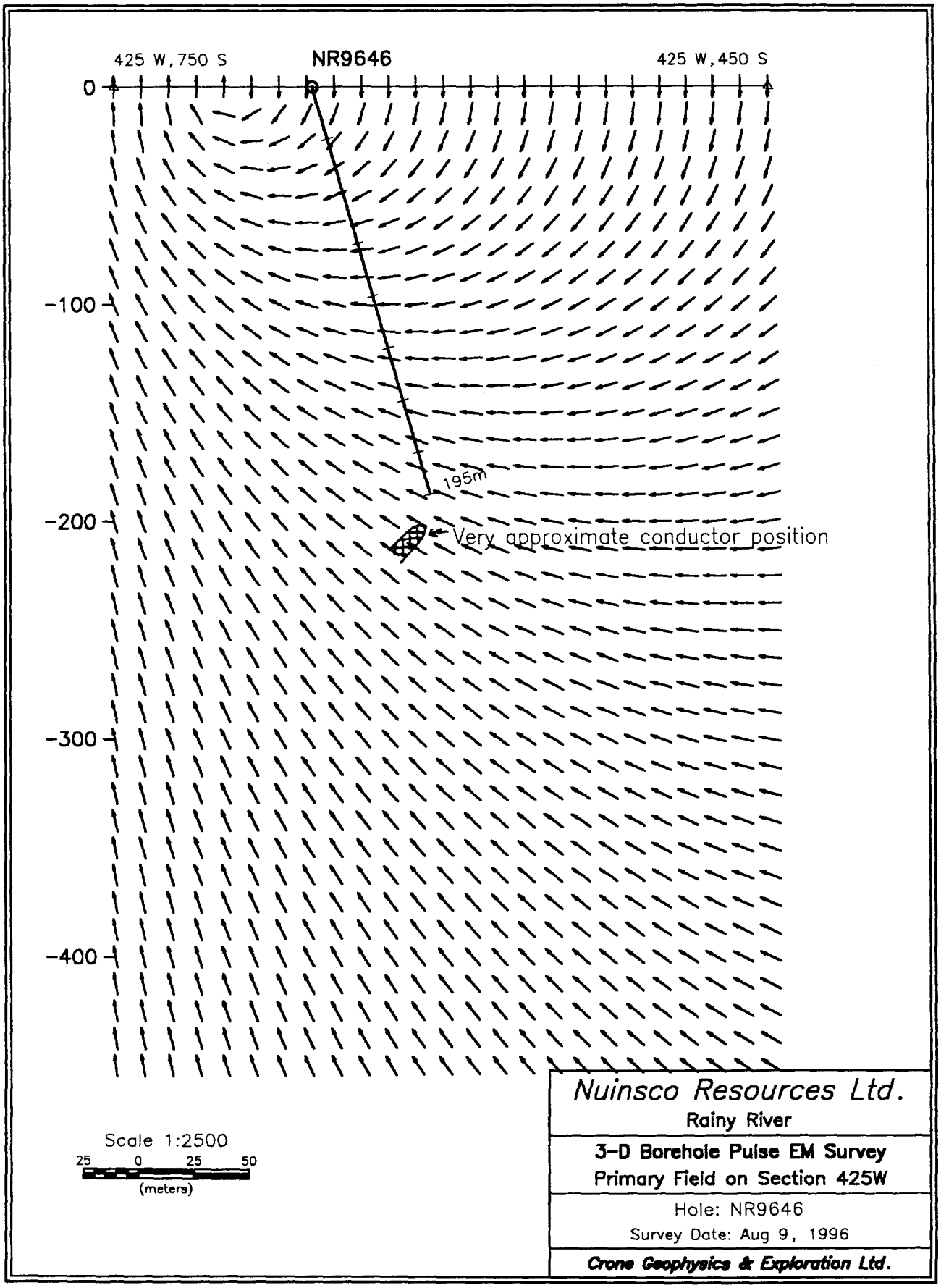


Scale 1:2500

25 0 25 50

(metres)

Nuinsco Resources Ltd
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 525W
Hole: NR9643
Survey Date: Jul 19 1996


425 W, 750 S
NR9646
425 W, 450 S
0
-100
-200
-300
-400
195m
Very approximate conductor position
Scale 1:2500
25 0 25 50
(meters)
Nuinsco Resources Ltd.
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 425W
Hole: NR9646
Survey Date: Aug 9, 1996
Crone Geophysics & Exploration Ltd.

CRONE GEOPHYSICS & EXPLORATION LTD.

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL: (905) 270-0096 • FAX: (905) 270-3472 • TELEX: 06-961260

MEMO TO: GEORGE ARCHIBALD
NUINSCO RESOURCES LTD.

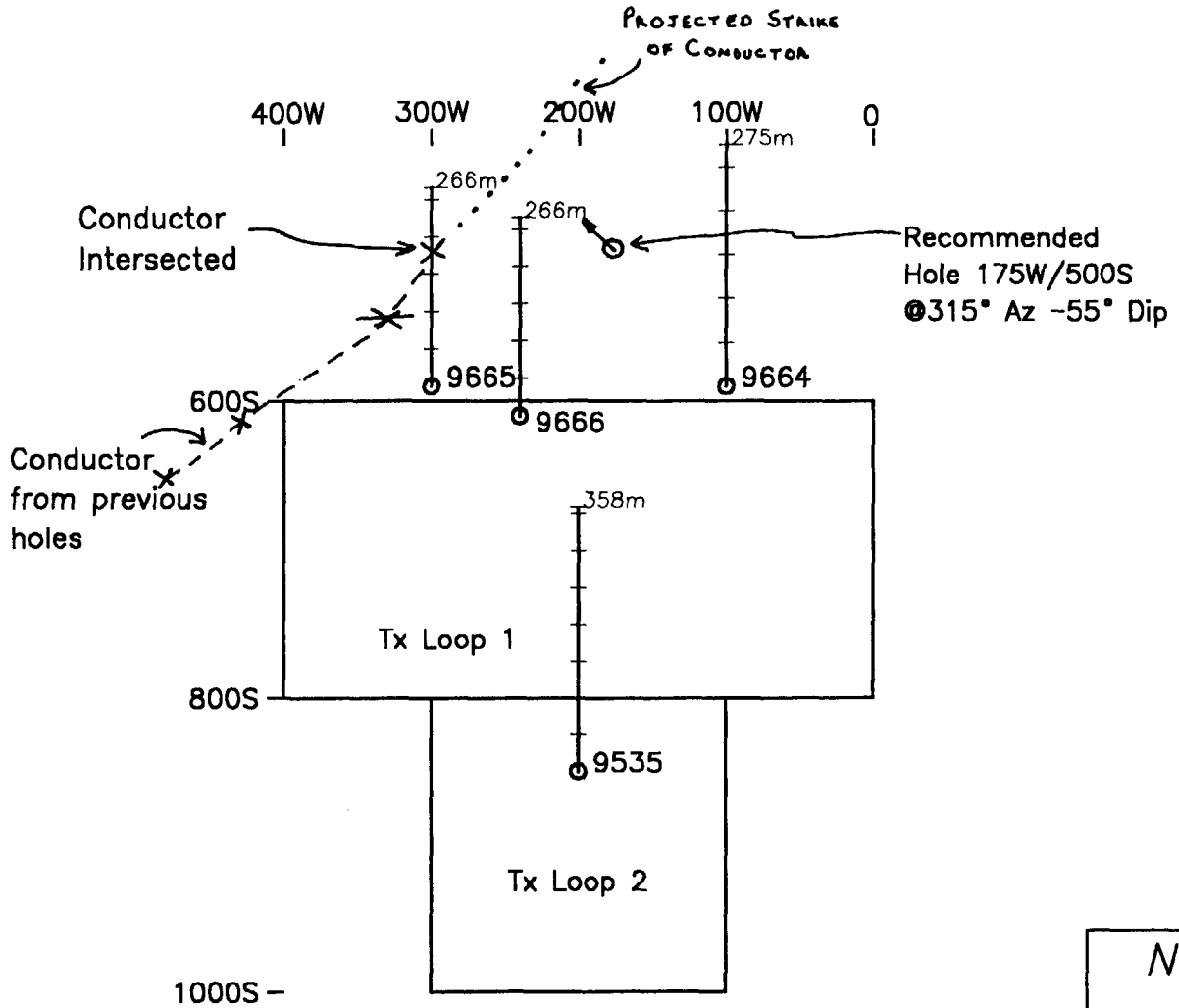
FROM: DAVE WATSON
CRONE GEOPHYSICS & EXPLORATION LTD.

RE: BOREHOLE PEM SURVEY DATA OF HOLES:
9666, 9667, 9703 RAINY RIVER PROJECT

No obvious anomalies are apparent on the profiles from holes 9666 or 9667. The conductor that was intersected in hole 9665 is interpreted to strike to the north suggesting that 9666 and 9667 are sub-parallel to the conductor axis. In addition, even though this conductor exhibits high conductivity, its size does not create a large secondary field. The detection to this conductor appears to be limited to approximately 50 metres.

An off-hole conductor was detected by the survey of hole 9703. The position of this conductor is shown on the section and plan sketches. The conductor exhibits high conductivity but has a small dip extent (38-40 metres).

Respectfully Submitted,
Dave Watson



Scale 1:5000

50 0 50 100

(metres)

NUINSCO RESOURCES

RICHARDSON GRID

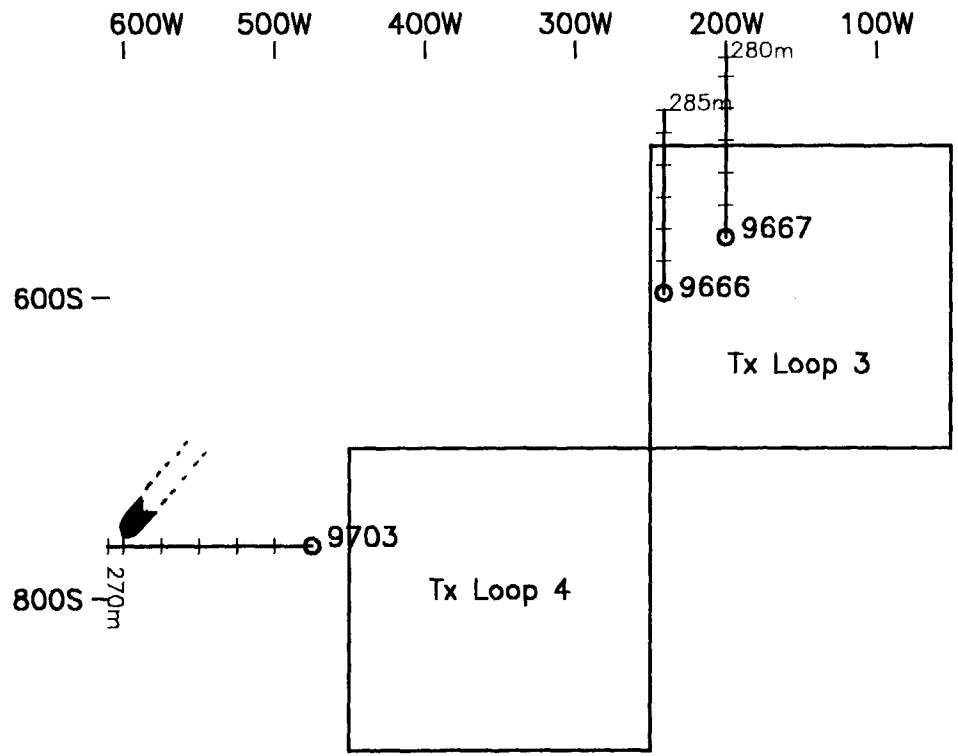
3-D Borehole Pulse EM Survey

Borehole & Loop Location Map

Holes: 9535, 9664, 9665, 9666

Survey Date: January, 1997

Crone Geophysics & Exploration Ltd.



Scale 1:5000

50 0 50 100

(metres)

NUINSCO RESOURCES

Richardson Grid

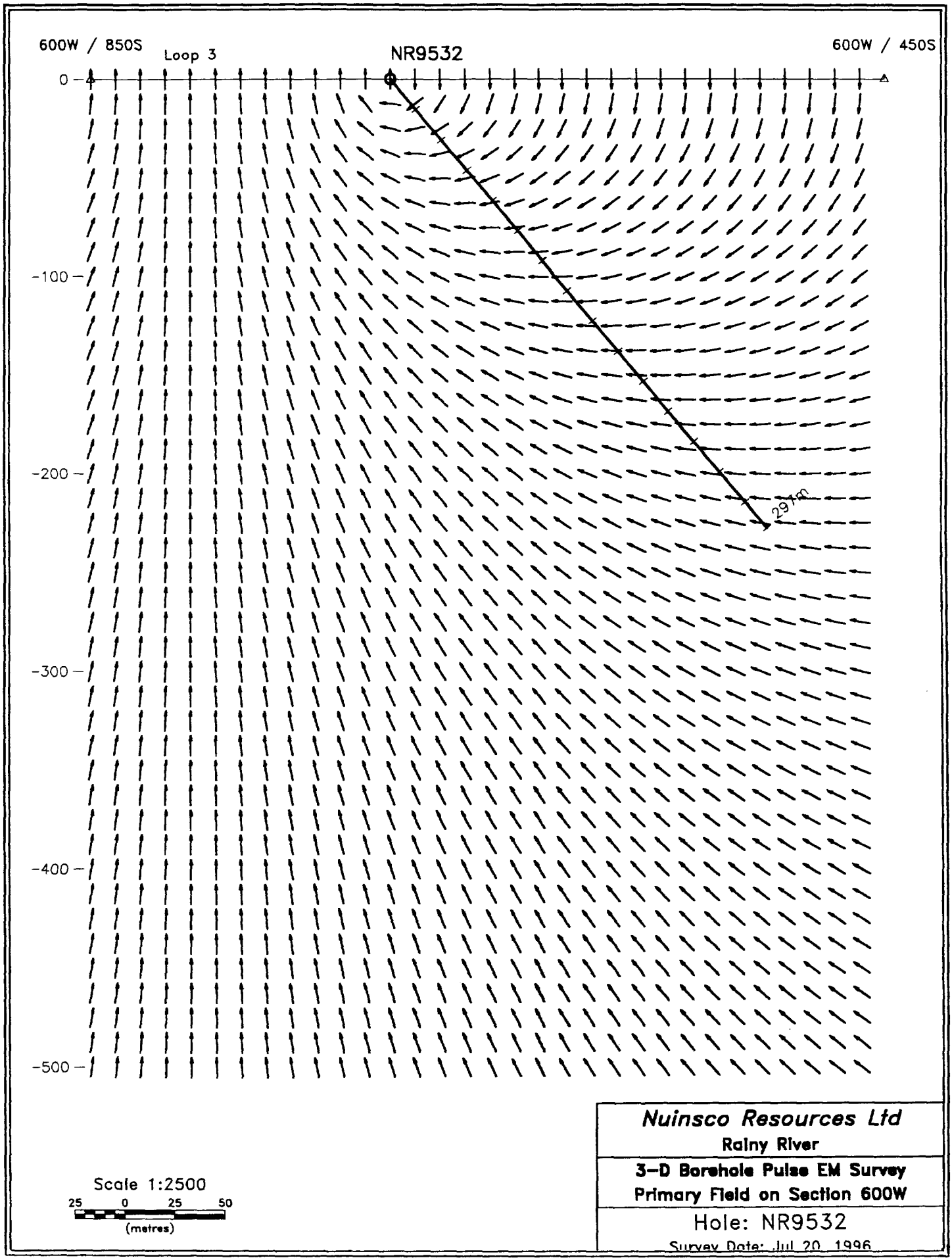
3-D Borehole Pulse EM Survey

Borehole & Loop Location Map

Holes: 9666, 9667, 9703

Survey Date: March 1997

Crone Geophysics & Exploration Ltd.

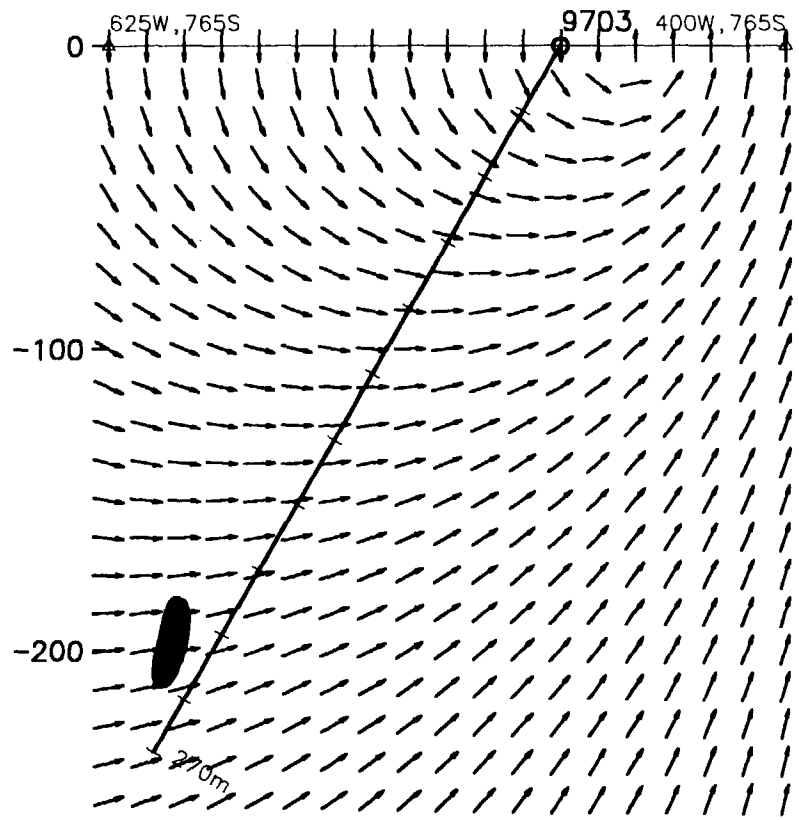


Scale 1:2500

25 0 25 50

(metres)

Nuinsco Resources Ltd
Rainy River
3-D Borehole Pulse EM Survey
Primary Field on Section 600W
Hole: NR9532
Survey Date: Jul 20 1996



Scale 1:2500

25 0 25 50

(metres)

NUINSCO RESOURCES

Richardson Grid

3-D Borehole Pulse EM Survey

Section along 765S

Hole: 9703

Survey Date: March 18, 1997

Crone Geophysics & Exploration Ltd.

APPENDIX VI

EXPLORATION DATA

BACK-UP INVOICES – PROOF OF EXPENDITURES

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

August 9, 1996

Nuinsco Resources Ltd
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-46

BW casing 0 to 14 ft = 14 ft @ $17/ft		$ 238.00
B core 14 ft to 640 ft		
Total cored footage 626 ft = 500 ft @ $17/ft		8,500.00
126 ft @ $19/ft		2,451.00
BW casing shoe left in		225.00
BW casing left in purchased by Nuinsco		N/C
Sperry Sun tests and repair Delay		200,00
		$11,614.00
	GST	812.98
		$12,426.98
Mine centre truck de mob taxes paid		690.00
		$13,016.98

PAID
AUG 12 1996
Cdn # 585 - # 13016.98

TRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

Aug. 12 , 1996

Nuinsco Resources Ltd
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-47 -77°

BW Casing 0 to 9 ft = 9 Ft @ $17/ft		$ 153.00
BTW core 9 ft to 750 ft		
Total cored footage 741 ft = 500 @ $17/ft		8,500.00
241'@ $19/ft		4,579.00
Sperry Sun Tests		200.00
BW casing shoe left in		225.00
BW casing left in to be replaced by Nuinsco		N/C
Moving time less than 40 man hours		N/C
		13,657.00
	GST	1,155.99
		$14,812.99

August Jamie. Acco. Rec.. 14812.99
R.R. ED 13,657.00
G.S.T. Rec. 1155.99

To change D.D. Hole to advance. to keep hole D.D

ULTRA MOBILE DIAMOND DRILLING LTD.
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12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

Aug 19, 1996

Nuinsco Resources Ltd.
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-48 50°

BW casing 0 to 185 ft	= 100 @ $17/ft	$ 1,700.00
	85 @ $17/ft	1,615.00
BTW Core 185 to 895 ft	= 710 ft	5,355.00
Total cored footage	315 ft @ $17/ft	7,505.00
	395 ft @ $19/ft	225.00
Casing shoe left in hole		N/C
Casing left in hole to be replaced by Nuinsco		200.00
Sperry Sun tests		200.00
Moving time 48 - 40 = 8 man hrs @ $25/hr		600.00
		17,400.00
Move-setup & read Sperry Sun on 95-36 & 37	GST	1,218.00
		$18,618.00

Post-it™ Fax Note 7671E	Date Aug '96	# of pages ▸ (1)
To PAUL	From JIMMY	
Co./Dept.	Co.	
Phone # IS THIS HOLE NR 96 OK.	Phone #	
Fax # R.R. M. COUSINEAU ?	Fax #	

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0160
538-0244

INVOICE

Aug 24, 1996

Nuinsco Resources Ltd
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-49 -50°

NW casing 0 to 160 Ft		N/C
BW casing 0 to 175 ft = 175 ft @ $17/ft		$ 2,975.00
B core 175 to 790 ft		
Total cored footage 615 ft = 500 @ $17/ft		8,500.00
115 @ $19/ft		2,185.00
BW casing shoe left in		225.00
BW casing left in to be replaced by Nuinsco		N/C
Moving time less than 40 man hours		N/C
		13,885.00
	GST	971.95
		$14,856.95

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) [illegible]
538-0244

Nuinsco Resources Ltd.
908 The East Mall
Etobicoke, Ont.

Aug 29. 1996

Drill Hole NR 96-50 -50°

NW casing 0 to 115 ft	N/C
BW casing 0 to 160 ft = 160 @ $17/ft	$ 2,720.00
BTW core 160 to 810 ft	
Total cored footage 650 = 340 ft @ $17/ft	5,780.00
310 ft @ $19/ft	5,890.00
BW casing shoe left in	225.00
BW casing left in to be replaced by Nuinsco	N/C
Moving time less than 40 man hours	N/C
	14,615.00
GST	[illegible]
	$14,638.05
	$ 15,638.05

THOMAS A PAYETTE
1
CHARTERED ACCOUNTANT

Post-it™ Fax Note 7671E	Date	# of pages ▸ 1
To PAULA GEORGE	From JIMMY	
Co./Dept.	Co.	
Phone #	Phone #	
Fax # For Approval	Fax #	

PAID
SEP - 3 1996

Cheque #671 - $ 15,638.05

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

Sept. 3, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke. Ont.

Deepen Drill Hole # 96-47 -77

Move and setup on Old Hole		$ 200.00
Deepen hole 750 to 895 ft Total cored footage 145 ft @ $19/ ft		2,755.00
Sperry Sun Tests not charged on 96-50		200.00
		$3,155.00
	GST	220.85
		$3,355.85

337585

APPROVED

For Approval
Sept 4/96

GA #687 - $11,522.64

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) [illegible]
538-0244

Sept 5, 1996

Nuinsco Resources Ltd.
908 The East Mall
Etobicoke, Ont.

Deepen Hole # 96-32 -50

Setup On old Hole $ 200.00

09/05/1996 15:02 4166260890 NUINSCO RESOURCES PAGE 01

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) [illegible]
538-0244

Sept 5, 1996

Nuinsco Resources Ltd.
908 The East Mall
Etobicoke, Ont.

Deepen Hole # 96-32 -50

		$ 200.00
Setup On old Hole		475.00
Deepen hole 975 to 1332		
Total cored footage 357ft	= 25 @ $19/ft	6,972.00
	332 @ $21/ft	
Sperry Sun Tests		300.00
		$7,947.00
	GST	559.79
		$8,506.79

APPROVED

TOTAL P.01

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

INVOICE

Sept. 8, 1996

Nuinsco Resources Ltd
908 The East Mall
Etobicoke, Ont.

Drill Hole NR-96-51

BW Casing 0 to 44 ft = 44 ft @ $17/ft	$	748.00
BTW core 44 to 900 ft		
Total cored footage 456 ft @ $17/ft		7,752.00
400 ft @ $19/ft		7,600.00
Moving time less than 40 man hours		N/C
BW casing shoe left in hole		225.00
BW casing left in to be replaced		N/C
Sperry Sun Tests		200.00
		16,525.00
GST		1,146.75
		$17,671.75

THOMAS A. PATETTE 1 CHARTERED ACCOUNTANT

APPROVED

FOR APPROVAL
Sept 9/96

PAID
SEP 12 1996

GL # 0689 - $17671.75

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 531-5160
538-0244

INVOICE

Sept. 12,1996

Nuinsco Resources Ltd.
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-52 -

BW Casing 0 to 140 ft = 140 @ $17/ft		$ 2,380.00
BTW core 140 to 775ft		
Total cored footage	140 to 500 =360@ $17/ft	6,120.00
	500 to 775= 275@$19/ft	5,225.00
Moving time less than 40 man hrs		N/C
BW casing 3 used in overburden and 1 left inW225ea		675.00
Sperry Sun Tests		200.00
Bw casing left in to be replaced by Nuinsco		N/C
		$14,600.00
	GST	1022.00
		$15,622.00

PAID
SEP 17 1996
Ch #698 - $15,622.00

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

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Surrey, B.C. V4A 2E6
(604) 538-5160
538-0244

Sept 17,1996

Nuinsco Resources Ltd
908 TgheEast Mall
Etobicoke, Ont.

Drill Hole NR 96-53 -50 TO BE DEEPENED

BW casing 0 to 132 ft = 132 @ $17/ft			$ 2,249.00
BTW core 132 to 1100 ft			
Total cored footage	968 fy = 368@$17		6,256.00
	500 @t = 500@$19/ft		9,500.00
	100 ft = 100@$21/ft		2,100.00
			20,100.00
		GST	1,407.00
			$21,507.00

Casing shoes/Casing/ Moving/ SperrySun Tests to be charged with additional hole deepening charges.

CHARTERED

Approved

PAID
SEP 17 1996

Ch#699 - $21,507.00

ULTRA MOBILE DIAMOND DRILLING LTD.
'our name says it all'

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604 [illegible]
538-0244

INVOICE

Sept. 21, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-53 -50 Deepened

BTW core 1100 to 1328ft			
Total cored footage 228ft @ $21/ft		$4,788.00	
BW casing shoe left in hole		225.00	
Sperry Sun tests over 1328ft		300.00	
Moving time less than 40 man hours		N/C	
All casing left in to be replaced by Nuinsco		N/C	
		$5,313.00	
	GST	371.91	
		$5,684.91	$5,684.91

Drill Hole NR96-54 -50 ABANDONNED

BW casing 0 to 155 ft			
Total cased footage 155ft W $17/ft		$2,635.00	
Consummed 3 BW casing shoes @ $225 ea		675.00	
Moving time less than 40 man hours		N/C	
Casing to be replaced by Nuinsco		N/C	
		$3,310.00	
	GST	231.70	
		$3,541.70	$3,541.70
			$9,226.61

PAID SEP 2[illegible]

GL#505 - $9,226.61

ULTRA MOBILE DIAMOND DRILLING LTD.

"our name says it all"

12708-24th Avenue
Surrey, B.C. V4A 2E6
(604) ~~531-5160~~
538-0244

INVOICE

Sept 30, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-55 may possibly be deepened later

BW casing 0 to 155 ft = 155 @ $17/ft	$ 2,635.00
BTW core 155 to 1235 ft	
Total cored footage 1085 ft = 345 @ $17/ft	5,865.00
500 @ $19/ft	9,500.00
235 @ $21/ft	4,935.00
BW casing shoes to reach bedrock 3 @ $225 ea	675.00
Sperry Sun Tests	300.00
Casing left in to be replaced by Nuinsco	N/C
Moving time less than 40 man hours	N/C
	$23,910.00
GST	1,673.70
	$25,583.70

APPROVED

To Be Applied to New Primary Area.

Rance Soule

PAID
OCT - 3 1996

ck# 5151 # 25,583.70

Post-it® Fax Note 7671	Date	# of pages ▶
To Jimmy	From Rance	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

ULTRA MOBILE DIAMOND DRILLING LTD.

'our name says it all'

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604)
538-0244

INVOICE

Oct 10, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-57 -50		
BW casing 0 to 150 ft =150 @ $17/ft		$ 2,550.00
BTW core 150 to 700ft		
Total cored footage 350 @ $17/ft		5,950.00
200 @ $19/ft		3,800.00
		12,300.00
	GST	861.00
		$13,161.00

Advance Hole

PAID
OCT 11 1996

Ck # 2533 -

$ 25021.15

ULTRA MOBILE DIAMOND DRILLING LTD.
'our name says it all'

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-5160
538-0244

INVOICE

Oct. 10 1996

NUINSCO RESOURCES LTD
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-55 -50 Deepen

BTW core 1235 to 1275 ft		
Total cored footage 40 ft @ $21/ft	$	840.00

Drill Hole NR 96-54

Setup on old hole and pull 155ft of BW casing	
3 men - 3hrs @ $30. per hour each	270.00

Drill Hole NR 96-56 -50

BW casing 0 to 17 ft = 17 ft @ $17/ft	289.00
BTW core 17 ft to 590 ft	
Total cored footage 573 ft = 483 ft @ $17/ft	8,211.00
90 ft @ $19/ft	1,710.00
BW casing shoe left in hole	225.00
Sperry Sun Tests	100.00
BW casing left in hole to be replaced by Nuinsco	N/C
Moving time less than 40 man hours	N/C
	$11,645.00
GST	815.15
	$12,460.15

KRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

Ex Approved
Neeson
Oct 25/96

OCT.24, 1996

NUINSCO RESOURCES LTD
908 The East Mall
Etobicke, Ont.

Drill Hole NR 96-57 -50 Abandonned at 132 ft --casing sanded together

NW casing 0 to 125 ft	N/C	
BW casing 0 to 132 ft = 132ft @ $17/ft	2,244.00	
Lost or consummed 3 BW shoes @ $225. ea	675.00	
Lost 1 NW shoe @ $300	300.00	
Drilling mud 18 bags @ $30/bag	540.00	
Lost in hole 125ft NW casing to be replaced	N/C	
Lost in hole 132ft BW casing to be replaced	N/C	
	3,759.00	3,759.00

Drill hole 96-58 -50 abandonned at 144ft casing broke off

NW casing 0 to 137 ft	N/C	
BW casing 0 to 144 ft = 144ft @ $17/ft	2,548.00	
Consummed 3 BW shoes @ $225 ea	675.00	
Consummed 1 BW Super shoe @ $275	275.00	
Lost or consummed 2 NW casing shoes @ $300	600.00	
All but 2 ft of casing recovered	N/C	
	4,098.00	4,098.00

Drill Hole NR 96-59 -51 abandonned at 117 core barrel broke off

NW casing 0 to 115 ft	N/C	
BW casing 0 to 117 ft = 117 @ $17/ft	1,989.00	
Starting barrel broke off lost bit and shell	N/C	
Consummed 1 BW and 1NW shoe	500.00	
All casing recovered	N/C	
	2,489.00	2,489.00

Drill Hole NR 96-60 -53 abandonned at 112ft--casing worn out

NW casing 0 to 110 ft	N/C	
BW casing 0 to 112 ft = 112 @ $17/ft	1,904.00	
NW casing shoe worn out	300.00	
N Tricone bit	465.00	
All but 2 ft of casing recovered	N/C	
	2,669.00	2,669.00
Drilling mud 51 bags @ $30/bag used in holes	1,530.00	1,530.00
		14,546.00
GST		1,018.22
		15,564.22

ULTRA MOBILE DIAMOND DRILLING LTD.

"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) ~~531-5160~~ XXXXXXXXXX
538-0244

Nov. 5, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Drill Hole NR 96-61 -58 To be deepened

BW casing 0 to 84 ft = 84 ft @ $17/ft		$ 1,428.00
BTW core 84 to 1000 ft		
Total cored footage 916 ft		
	=416ft @ $17/ft	7,072.00
	=500ft @ $19/ft	9,500.00
BW casing shoe left in hole		225.00
BW casing left in hole to be replaced		N/C
Sperry sun tests		250.00
Moving time.less than 40 man hrs		N/C
		$18,475.00
	G.S.T.	1,293.25
		$19,768.25

19768.25
(6580.50) = 50% Advance
$ 13187.75

For Approval.

Ch# 591 - $ 13187.75

ULTRA MOBILE DIAMOND DRILLING LTD.

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) [illegible]
538-0244

Nov 12/96
For Approval.
[signature]

INVOICE

Nov. 12, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Drill Hole 96-61 -58 DEEPENED

BTW Core 1000 to 1078 Total cored footage 78 ft @ $21 per foot	$ 1,638.00

Drill Hole 96-62 -50

NW casing 0 to 155 ft	N/C
BW casing 0 to 162 ft = 162 @ $17/ft	2,754.00
BTW core 162 to 760 ft = 338 @ $17/ ft	5,746.00
260 @ $19/ ft	4,940.00
BW casing shoe left in	225.00
Sperry Sun Tests	200.00
BW casing left in to be replaced	N/C
Moving time less than 40 man hours	N/C
	15,503.00
GST	1,085.21
	$16,588.21

6 bags of drilling mud previously charged N/C

APPROVED
[signature]
To Be Applied to
NUI Property
Area

Post-it® Fax Note 7671	Date	# of pages ▶
To	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

6h #35021 - $ 16588.21

ULTRA MOBILE DIAMOND DRILLING LTD.
our name says it all

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 531-5469
538-0244

Nov. 26,1996

NUINSCO RESOURCES LTD
908 The East Mall
Etobicoke, Ont.

Drill Hole 96-63 -65

NW casing 0 to 126 ft	N/C	
BW casing 0 to 126 ft = 126 @ $17/ft	$ 2,142.00	
BTW core 126-154 ft = 28 ft@ $17/ft	476.00	
Drilling mud 10 bags prepaid	N/C	
NW casing reamed 126 to 145		
BW casing reamed 126 to 149		
Additional labour-reaming casing-pulling and changing shoes-pull nw casing at end of hole		
Frozen hose lines and moving line and heater	960.00	
Consumables 2 NW shoe at $300 ea	600.00	
3 BW shoes at $225 ea	675.00	
	4,853.00	4,853.00

Drill Hole NR 96-64 -50

BW casing 0 to 9 ft = 9ft @ $17/ft	153.00	
BW casing reamed 9 ft to 19 ft	N/C	
BTW core 9 ft to 905 ft		
Total cored footage 896 ft= 491 @ $17/ft	8,347.00	
405 @ $19/ft	7,695.00	
BW casing shoe left in	225.00	
BW casing left in to be replaced	N/C	
Moving time and water line 93 hr-40 = 53@$30	1,590.00	
Sperry sun tests	250.00	
	$18,260.00	18,260.00
		23,113.00
GST		1,617.91
		$ 24,720.91

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) [illegible]
538-0244

Dec 2, 1996

NUINSCO RESOURCES LTD.
908 The East Mall Etobicoke, Ont.

Drill Hole NR 96-65 -65

NW casing 0 to 105 ft	N/C
BW casing 0 to 110 ft = 110 ft @ $17/ft	$ 1, 870.00
BTW core 110 to 874 ft = 390 ft @ $17/ ft	6,630.00
374 ft @ $19/ft	7,106.00
NW casing shoes consumed 1 @ $300	300.00
BW casing shoes worn out or left in 2 @ $225 ea	450.00
Sperry Sun tests	250.00
Casing left in to be replaced by Nuinsco	N/C
Moving time less than 40 man hours	N/C
Drill muds and polymers in overburden	220.00
	$16,576.00
GST	1,150.32
	$17,726.32

Post-it® Fax Note 7671	Date 03 12 96	# of pages ▶ 1
To [illegible]	From [illegible]	
Co./Dept. [illegible]	Co.	
Phone #	Phone #	
Fax #	Fax #	

Inv #817 - $ 17,726.32

APPROVED
[illegible]

To Be Applied To
NW1 Phinney Area.

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 531-5160

INVOICE

Dec. 9,1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Drill Hole 96-65

Hole finished at 884 not 874 ft = 10 ft @ $19/ft	$ 190.00

Drill Hole 96-66 -65

NW casing 0 to 110 ft	N/C
BW casing 0 to 117 ft = 117 @ $17/ft	1,989.00
BTW core 117 to 770ft	
Total cored footage 653 ft = 383 ft @ $17/ft	6,511.00
270 ft @ $19/ft	5,130.00
NW casing shoe consummed	300.00
BW casing shoe left in	225.00
Moving time less than 40 man hours	N/C
Drilling mud and polymer	180.00
BW casing left in to be replaced by Nuinsco	N/C
	$14,525.00
GST	1,016.75
	$15,541.75

PAID

Chq # 532 - $15,541.75

ULTRA MOBILE DIAMOND DRILLING LTD.
"our name says it all"

12708-24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-5160
538-0244

Dec. 14, 1996

Nuinsco Resources Ltd.
908 The East Mall
Etobicoke, Ont.

Drill hole NR96-67 -65

NW casing 0 to 70 ft	N/C
BW casing 0 to 103 ft = 103 @ $17/ft	$ 1,751.00
BTW core 103 to 783ft	
Total cored footage 680 ft = 397 @ $17/ft	6,749.00
283 @ $19/tt	5,377.00
Sperry Sun	200.00
BW casing shoes wore out and left in 2 @ $225ea	450.00
NW casing shoes wore out 1	300.00
BW casing left in to be replaced by Nuinsco	N/C
Drilling muds and polymers used-6 bags & 1 pail	240.00
Moving time less than 40 man hours	N/C
	$15,067.00
GST	1,054.69
	$16,121.69

$16,121.69

ULTRA MOBILE DIAMOND DRILLING LTD.
'our name says it all'

12708 24th Avenue
Surrey, B.C. V4A 2E6
(604) 538-0244

Dec. 17, 1996

NUINSCO RESOURCES LTD.
908 The East Mall
Etobicoke, Ont.

Deepen Drill Hole NR 96-62 -50

BTW core 760 to 985 ft		
Total cored footage 225 ft W $19/ft		$4,275.00
Sperry Sun test		50.00
Move rods & equipment and lower rods into hole and plough roads 3 men 8 hours =24 X 25		600.00
		4,925.00
	GST	344.75
		$5,269.75

Approved
Paul Neil.
NW Pancy Area

PAID
DEC 20 1996

Ch#848 $5,269.75

ADLEY
M. MANUFACTURE

Unit 6
7950 Huston Road
Delta, B.C. V4G 1C2

Tel.: (604) 946-6590
Fax: (604) 946-6594

INVOICE

DOCUMENT NO.	PAGE NO.
13525	1
PAYMENT TERMS	INVOICE DATE
NET 30 DAYS	12/11/96
PICKING NO.	PICKING DATE
13609	12/11/96
ORDER NO.	ORDER DATE
12605	11/08/96
PURCHASE ORDER NO.	SHIPPED VIA
KEITH ALLEN	REIMER
SALES REPRESENTATIVE	PREPAID / COLLECT
DOUG SEARLE	X
MEMO	
P.O. KEITH ALLEN	

SOLD TO:

NUINSCO RESOURCES LTD (00173)
908 THE EAST MALL
ETOBICOKE ON M9B 6K2
CANADA

SHIP TO:

ULTRAMOBILE DIAMOND DRILLING (00311)
C/O FALLS HARDWARE
HOLD FOR PICK UP
NESTOR FALLS ON
CANADA

CANADIAN DOLLARS

NO.	QTY ORD	QTY SHIP	B/O	PART NO.	DESCRIPTION	UOM	UNIT PRICE	DISC	TOTAL PRICE
1	1	1	0	*LAND FREIGHT	TRANSPORT CHARGES REIMER 11-831546	EA	1,074.35	0.00	1,074.35

SEE CONDITIONS ON REVERSE

SUB TOTAL:		1,074.35
GST/*TPS*:	100617281RT	175.20
PST/*TVQ*:		85.95
TOTAL:		1,235.50

KADLEY
W.M. MANUFACTURE

Unit 6
7950 Huston Road
Delta, B.C. V4G 1C2

Tel.: (604) 946-6590
Fax: (604) 946-6594

INVOICE

DOCUMENT NO.	PAGE NO.
13477	1
PAYMENT TERMS	INVOICE DATE
NET 30 DAYS	11/28/96
PICKING NO.	PICKING DATE
13564	11/28/96
ORDER NO.	ORDER DATE
12607	11/08/96
PURCHASE ORDER NO.	SHIPPED VIA
KEITH ALLEN	REIMER
SALES REPRESENTATIVE	PREPAID / COLLECT
DANY LALIBERTE	X
MEMO	
FOR ITEMS ORIGINALLY CHARGED TO ULTRAMOBILE ON OCT 17/96	

SOLD TO:

NUINSCO RESOURCES LTD (00173)
908 THE EAST MALL
ETOBICOKE ON M9B 6K2
CANADA

SHIP TO:

ULTRAMOBILE DIAMOND DRILLING (00311)
C/O FALLS HARDWARE
NESTOR FALLS ON
CANADA

CANADIAN DOLLARS

NO.	QTY ORD	QTY SHIP	B/O	PART NO.	DESCRIPTION	UOM	UNIT PRICE	DISC	TOTAL PRICE
1	1	1	0	*LAND FREIGHT	TRANSPORT CHARGES REIMER 11-827045	EA	500.03	0.00	500.03

SEE CONDITIONS ON REVERSE

SUB TOTAL:		500.03
GST/*TPS*:	100617281RT	35.00
PST/*TVQ*:		40.00
TOTAL:		575.03

BRADLEY
W.M. MANUFACTURE

Unit 6
7950 Huston Road
Delta, B.C. V4G 1C2

Tel.: (604) 946-6590
Fax: (604) 946-6594

INVOICE

DOCUMENT NO.	PAGE NO.
13437	1
PAYMENT TERMS	INVOICE DATE
NET 30 DAYS	11/19/96
PICKING NO.	PICKING DATE
13519	11/19/96
ORDER NO.	ORDER DATE
12650	11/19/96
PURCHASE ORDER NO.	SHIPPED VIA
KEITH ALLEN	REIMER
SALES REPRESENTATIVE	PREPAID / COLLECT
DOUG SEARLE	X
MEMO:	
P.O. KEITH ALLEN	

SOLD TO:

NUINSCO RESOURCES LTD (00173)
908 THE EAST MALL
ETOBICOKE ON M9B 6K2
CANADA

SHIP TO:

ULTRAMOBILE DIAMOND DRILLING (00311)
C/O FALLS HARDWARE
NESTOR FALLS ON
CANADA

CANADIAN DOLLARS

NO.	QTY ORD	QTY SHIP	B/O	PART NO.	DESCRIPTION	UOM	UNIT PRICE	DISC.	TOTAL PRICE
1	38	38	0	20-10-305	BW CASING 5'	EA	76.05	0.00	2,889.90
2	19	19	0	20-10-405	NW CASING 5'	EA	90.50	0.00	1,719.50

PAID
JAN 17 199

Cheque #943 - $7111.34

SEE CONDITIONS ON REVERSE

SUB TOTAL:		4,609.40
GST/*TPS*:	100617281RT	[redacted]
PST/*TVQ*:		368.75
TOTAL:		5,300.81

BRADLEY
W.M. MANUFACTURE

Unit 6
7950 Huston Road
Delta, B.C. V4G 1C2

Tel.: (604) 946-6590
Fax: (604) 946-6594

INVOICE

DOCUMENT NO.	PAGE NO.
13214	

PAYMENT TERMS	INVOICE DATE
NET 30 DAYS	10/15/96
PICKING NO.	PICKING DATE
13275	10/15/96
ORDER NO.	ORDER DATE
12355	09/18/96
PURCHASE ORDER NO.	SHIPPED VIA
KIETH ALLEN	REIMER

SALES REPRESENTATIVE	PREPAID	COLLECT
DOUG SEARLE	X	

MEMO:
P.O. KEITH ALLEN

SOLD TO:

NUINSCO RESOURCES LTD (00173)
908 THE EAST MALL
ETOBICOKE ON M9B 6K2
CANADA

SHIP TO:

ULTRAMOBILE DIAMOND DRILLING (00311)
C/O FALLS HARDWARE
NESTOR FALLS ON
CANADA

CANADIAN DOLLARS

NO.	QTY ORD	QTY SHIP	B/O	PART NO.	DESCRIPTION	UOM	UNIT PRICE	DISC.	TOTAL PRICE
1	1	1	0	*LAND FREIGHT	TRANSPORT CHARGES REIMER EXPRESS LINES 11-821003	EA	1,143.15	0.00	1,143.15

GL# 775 - 31298 5.1.

SEE CONDITIONS ON REVERSE

SUB TOTAL:		1,143.15
GST/TPS:	100617281RT	80.02
PST/TVQ:		0.00
TOTAL:		1,223.17

BRADLEY
W.M. MANUFACTURE

Unit 6
7950 Huston Road
Delta, B.C. V4G 1G2
Tel.: (604) 946-6590
Fax: (604) 946-6594

STATEMENT

NUINSCO RESOURCES LTD
908 THE EAST MALL
ETOBICOKE ON M9B 6K2
CANADA

CUSTOMER NUMBER	STATEMENT DATE	PAGE
00173	09/30/96	1

DOCUMENT	DATE	CODE	REFERENCE	DEBITS	CREDITS	BALANCE	AGE
12808	08/26/96	I	12808	8,278.91			
173	09/26/96	P	12808		8,278.91		
			TOTAL			0.00	
13030	09/18/96	I	13030	5,313.92			
DUE-->	10/30/96		13030 TOTAL			5,313.92	-30
13060	09/23/96	I	13060	368.73			
DUE-->	10/30/96		13060 TOTAL			368.73	-30

PAID
OCT 17 1996
Last #555 - #5682.65

I = INVOICE C = CREDIT MEMO D = DEBIT MEMO P = PAYMENT PD = PAYMENT DISCOUNT F = FINANCE CHARGE
B = BALANCE FORWARD

PLEASE PAY
5,682.65

CANADIAN DOLLARS

Current	Due	031-060	061-090	Over 090
5,682.65	0.00	0.00	0.00	0.00

INVOICE

Unit 6
7950 Huston Road
Delta, B.C. V4G 1C2
Tel.: (604) 946-6590
Fax: (604) 946-6594

3,278.91+
5,062.60-
2,316.31*
G.S.T 503.94
RR 2,112.37

(00173)

DOCUMENT NO.	PAGE NO.
12808	
PAYMENT TERMS	INVOICE DATE
NET 30 DAYS	08/26/95
PICKING NO.	PICKING DATE
12845	08/26/95
ORDER NO.	ORDER DATE
12192	08/26/95
PURCHASE ORDER NO.	SHIPPED VIA
KEITH ALLEN	OUR TRUCK
SALES REPRESENTATIVE	PREPAID / COLLECT
DOUG SEARLE	X
MEMO: P.O. KEITH ALLEN	

SHIP TO:

ULTRAMOBILE DIAMOND DRILLING (00311)
C/O NUINSCO RESOURCES
HOLD FOR PICK UP
FORT FRANCES ON
CANADA

CANADIAN DOLLARS

NO.	QTY ORD	QTY SHIP	B/O	PART NO.	DESCRIPTION	UOM	UNIT PRICE	DISC.	TOTAL PRICE
1	57	57	0	20-10-305	BW CASING 5'	EA	76.05	0.00	4,334.85
2	19	19	0	20-10-310	BW CASING 10'	EA	121.60	0.00	2,310.40
3	12	12	0	20-10-302	BW CASING 2'	EA	46.15	0.00	553.80

PAID
SEP 20 1995
ck #713 - $2616.21

SEE CONDITIONS ON REVERSE

SUB TOTAL:		7,199.05
GST/*TPS*:	100617281RT	503.94
PST/*TVQ*:		575.92
TOTAL:		8,278.91

JKS BOYLES INTERNATIONAL INC.

PHONE (705) 472-3320 FAX (705) 472-6843

BOX 197, 640 McKEOWN AVENUE, NORTH BAY, ONTARIO, CANADA P1B 8H2
G.S.T. #R102659232

JKS Lamage

PHONE (705) 476-2705 FAX (705) 474-8573

INVOICE NO. NO. DE FACTURE	PAGE
053405	1

DATE	DATE SHIPPED DATE EXPÉDIÉE
08/23/96	08/23/96

P.S.T. TAX NO. NO. DE TAXE PROVINCIALE

SOLD TO / VENDU À

NUINSCO RESOURCES LTD.
[illegible] THE EAST MALL
[illegible]
ONTARIO
CANADA, M[illegible]

SHIP TO / EXPÉDIÉ À

NUINSCO RESOURCES
RR #2
EMO
ONTARIO
CANADA, P0W 1E0

FOB FAB

JKS LAMAGE

CUSTOMER NUMBER NO. DE CODE DU CLIENT	SHIPPED VIA EXPÉDIÉ PAR	JKS ORDER NUMBER NO. DE COMMANDE DE JKS	SALESMAN VENDEUR	CUSTOMER ORDER NO. BON DE COMMANDE	TERMS CONDITIONS
[illegible]	[illegible] EXPLATOR	506130	RAY DAVIS	VERBAL	NET 30 DAYS

STOCK NUMBER NUMÉRO DE PIÈCE	DESCRIPTION	U/M	QTY. SHIPPED QTÉ. EXPÉDIÉE	QTY. BACK ORDERED À VENIR	UNIT PRICE PRIX UNITAIRE	DISCOUNT ESCOMPTE	EXTENDED PRICE MONTANT D'EXTENTION	G.S.T. AMOUNT MONTANT TPS
14[illegible]	14 X LYS CORE CUT GEN PURPOSE SN'S 162551 [illegible] 1" + PH	EA	1	0	457.75		457.75	32.0[illegible]

PAID
SEP 20 [illegible]

Lot# 726-15.26.1/1

CATALOGUE WEIGHT PESANTEUR APP.	DISCOUNT ESCOMPTE	NET AMOUNT MONTANT NET	MISCELLANEOUS CHARGES DIVERS	FREIGHT FRET	G.S.T. AMOUNT MONTANT TPS	P.S.T. TAXABLE AMOUNT MONTANT TAXABLE TVP	P.S.T. AMOUNT MONTANT TVP	AMOUNT DUE MONTANT DÛ
[illegible]	0.00	457.75	0.00		32.04	457.75	36.62	526.41

SEE REVERSE SIDE FOR CONDITIONS OF SALE
VOIR LES CONDITIONS DE VENTRE AU VERSO

CUSTOMER'S INVOICE

JKS BOYLES INTERNATIONAL INC.

TUFF LINE

JKS Lamage

PHONE (705) 472-3320 FAX (705) 472-6843

PHONE (705) 476-2705 FAX (705) 474-8573

BOX 197, 640 McKEOWN AVENUE, NORTH BAY, ONTARIO, CANADA P1B 8H2
G.S.T. #R102659232

INVOICE NO. / NO. DE FACTURE	PAGE	DATE	DATE SHIPPED / DATE EXPÉDIÉE
058033	1	12/18/96	12/17/96

P.S.T. TAX NO / NO. DE TAXE PROVINCIALE

SOLD TO / VENDU À
NUINSCO RESOURCES LTD.
... THE EAST MALL
TORONTO
ONTARIO
CANADA, ... 6K2

SHIP TO / EXPÉDIÉ À
NUINSCO RESOURCES
R.R. # 2
...
ONTARIO
CANADA, POW 1E0

F.O.B. FAB.
JKS LAMAGE

CUSTOMER NUMBER / CODE DU CLIENT	SHIPPED VIA / EXPÉDIÉ PAR	JKS ORDER NUMBER / NO. DE COMMANDE DE JKS	SALESMAN / VENDEUR	CUSTOMER ORDER NO / BON DE COMMANDE	TERMS / CONDITIONS
306623	PUROLATOR	545510	RAY DAVIS	PAUL	NET 30 DAYS

STOCK NUMBER / NUMERO DE PIÈCE	DESCRIPTION	U/M	QTY. SHIPPED / QTE. EXPÉDIÉE	QTY. BACK ORDERED / À VENIR	UNIT PRICE / PRIX UNITAIRE	DISCOUNT / ESCOMPTE	EXTENDED PRICE / MONTANT D'EXTENTION	G.S.T. AMOUNT / MONTANT TPS
[illegible]	14 X .095 CORE CUT GEN PURPOSE SN'S 611931 611932 ... 1"	EA	2	0	457.75		915.50	[illegible]

JAN 17 1997

Lot# 929 -P 1675.00

CATALOGUE WEIGHT / PESANTEUR APP	DISCOUNT / ESCOMPTE	NET AMOUNT / MONTANT NET	MISCELLANEOUS / CHARGES DIVERS	FREIGHT / FRET	G.S.T. AMOUNT / MONTANT TPS	P.S.T. TAXABLE AMOUNT / MONTANT TAXABLE TVP	P.S.T. AMOUNT / MONTANT TVP	AMOUNT DUE / MONTANT DÛ
[illegible]	0.00	915.50	0.00		64.09	915.50	73.24	[illegible]

Sperry-Sun
DRILLING SERVICES
OF CANADA

INVOICE

REMIT TO:
Sperry-Sun [illegible]
P.O. Box [illegible]
Calgary, AB Canada T2P [illegible]

G.S.T.#: R122831448
TERMS: NET 30 DAYS

SERVICE ORDER: CX-DS-85595 INVOICE DATE: 08/21/96 INVOICE NO.: CX048001 PAGE: 1

SOLD TO: NUINSCO RESOURCES 06875000
908 - THE EAST MALL

ETOBICO, ON M9B 6K2

FIELD:
WELL:
RIG:
LOCN: ON
MKSEG: 01 L/W: L

CUSTOMER ORDER NO.:

REFERENCE INVOICE:
REF. INVOICE DATE: / /

BILLING LOCATION
CX - Sperry-Sun of Canada (R553)
SLS: CIN BID:

BEGIN/FROM: 07/22/96 END/THRU: 08/21/96

QTY	UNITS	U/M	DESCRIPTION	UNIT PRICE	AMOUNT	TA
			DIRECTIONAL SERVICES			
1	1	MTH	MAGNETIC SINGLE-SHOT INSTRUMENT TYPE "B" CARRY CASE # 265	$ 1,575.00	$ 1,575.00	T
			RENTAL CONTINUES			

NET BEFORE TAXES $ 1,575.00

CANADIAN G.S.T. GS0000000 7.00 % of 1,575.00 110.25
TOTAL TAXES 110.25

TOTAL AMOUNT DUE $ 1,685.25

PAID
SEP 20 1996

6K# 716 - $ 2118.35

ADDRESS ALL CORRESPONDENCE REGARDING THIS INVOICE TO:
* 1406 - 5th Street * Nisku, Alberta T9E 7R6 * Tel.(403)955-7606

Sperry-Sun DRILLING SERVICES OF CANADA

INVOICE

REMIT TO:
Sperry-Sun Drilling Serv
P.O.Box 2898,Stn M
Calgary, AB Canada T2P

G.S.T.#: R122681448
TERMS: NET 30 DAYS

SERVICE ORDER: CX-DS-26296 **INVOICE DATE:** 08/21/96 **INVOICE NO.:** CX048010 **PAGE:** 1

SOLD TO: NUINSCO RESOURCES 06875000
908 - THE EAST MALL

ETOBICO, ON M9B 6K2

FIELD:
WELL: **SALE ITEMS**
RIG:
LOCN: ON
MKSEG: 01 **L/W:** L

CUSTOMER ORDER NO.:

REFERENCE INVOICE:
REF. INVOICE DATE: / /

BILLING LOCATION
CX - Sperry-Sun of Canada (R551)
SLS: CIN **BID:**

BEGIN/FROM: 07/26/96 **END/THRU:** 07/26/96

QTY	UNITS	U/M	DESCRIPTION	UNIT PRICE	AMOUNT	T
			DIRECTIONAL SERVICES			
2	1	EACH	SALE OF: DEVELOPER/FIXER COMBINATION	$ 18.84	$ 37.68	T
2	1	EACH	SALE OF: SINGLE-SHOT TYPE "B" FILM (50 DISCS)	77.40	154.80	T
2	1	PKG	SALE OF: SURVEY ENVELOPES (25/PACKAGE)	3.30	6.60	T
			FREIGHT TO FOLLOW			
				NET BEFORE TAXES	**$ 199.08**	
			CANADIAN G.S.T. GS0000000	7.00 % of 199.08	13.94	
				TOTAL TAXES	**13.94**	
				TOTAL AMOUNT DUE	**$ 213.02**	

ADDRESS ALL CORRESPONDENCE REGARDING THIS INVOICE TO:
* 1406 - 5th Street * Nisku, Alberta T9E 7R6 * Tel.(403)955-7606

Sperry-Sun
DRILLING SERVICES OF CANADA

INVOICE

REMIT TO:
Sperry-Sun Drilling Service
P.O.Box 2898,Stn M
Calgary, AB Canada T2P 3C3

G.S.T.#: R122631443
TERMS: NET 30 DAYS

SERVICE ORDER: CX-DS-85595 INVOICE DATE: 09/20/96 INVOICE NO.: CX048395 PAGE: 1

SOLD TO: NUINSCO RESOURCES 06875000
908 - THE EAST MALL

ETOBICO, ON M9B 6K2

FIELD:
WELL:
RIG:
LOCN: ON
MKSEG: 01 L/W: L

CUSTOMER ORDER NO.:

REFERENCE INVOICE:
REF. INVOICE DATE: / /

BILLING LOCATION
CX - Sperry-Sun of Canada (R553)
SLS: CIN BID:

BEGIN/FROM: 08/22/96 END/THRU: 09/21/96

QTY	UNITS	U/M	DESCRIPTION	UNIT PRICE	AMOUNT	TA
			DIRECTIONAL SERVICES			
1	1	MTH	MAGNETIC SINGLE-SHOT INSTRUMENT TYPE "B" CARRY CASE # 265	$ 1,575.00	$ 1,575.00	T
			RENTAL CONTINUES			

NET BEFORE TAXES $ 1,575.00

CANADIAN G.S.T. GS0000000 7.00 % of 1,575.00 110.25
TOTAL TAXES 110.25

TOTAL AMOUNT DUE $ 1,685.25

PAID
OCT 17 1996
Cheque # 185859

ADDRESS ALL CORRESPONDENCE REGARDING THIS INVOICE TO:
* 1406 - 5th Street * Nisku, Alberta T9E 7R6 * Tel.(403)955-7606

sperry-sun
DRILLING SERVICES OF CANADA

INVOICE

REMIT TO:
[illegible]

G.S.T.#: R122631443
TERMS: NET 30 DAYS

SERVICE ORDER: CX-DS-85585 INVOICE DATE: 10/23/96 INVOICE NO.: CX048802 PAGE: 1

SOLD TO: NUINSCO RESOURCES 08875000
908 - THE EAST MALL
ETOBICO, ON M9B 6K2

FIELD:
WELL:
RIG:
LOCN: ON
MKSEG: 01 L/W: L

CUSTOMER ORDER NO.:

REFERENCE INVOICE:
REF. INVOICE DATE: / /

BILLING LOCATION
CX - Sperry-Sun of Canada (R553)
SLS: CIN BID:

BEGIN/FROM: 09/22/96 END/THRU: 10/21/96

QTY	UNITS	U/M	DESCRIPTION	UNIT PRICE	AMOUNT	TA
			DIRECTIONAL SERVICES			
1	1	MTH	MAGNETIC SINGLE-SHOT INSTRUMENT TYPE "B" CARRY CASE # 265	$ 1,575.00	$ 1,575.00	T
			RENTAL CONTINUES			

NET BEFORE TAXES			$ 1,575.00
CANADIAN G.S.T.	GS0000000	7.00 % of 1,575.00	110.25
TOTAL TAXES			110.25
TOTAL AMOUNT DUE			$ 1,685.25

y-SUN
SERVICES
IADA

INVOICE

REMIT TO:
Sperry-Sun Drilling Services
P.O.Box 2898, Stn M
Calgary, AB Canada T2P 3C3

G.S.T.#: R122631443
TERMS: NET 30 DAYS

INVOICE DATE: 11/22/96 INVOICE NO.: CX049160 PAGE: 1

06875000

FIELD:
WELL:
RIG:
LOCN: ON
MKSEG: 01 L/W: L

3B 6K2

BILLING LOCATION
CX - Sperry-Sun of Canada (R553)
SLS: CIN BID:

REFERENCE INVOICE:
REF. INVOICE DATE: / /

BEGIN/FROM: 10/22/96 END/THRU: 11/21/96

QTY	UNITS	U/M	DESCRIPTION	UNIT PRICE	AMOUNT	TAX
			DIRECTIONAL SERVICES			
1	1	MTH	MAGNETIC SINGLE-SHOT INSTRUMENT TYPE "B" CARRY CASE # 265	$ 1,575.00	$ 1,575.00	T
			RENTAL CONTINUES			

NET BEFORE TAXES $ 1,575.00

CANADIAN G.S.T. GS0000000 7.00 % of 1,575.00 110.25
TOTAL TAXES 110.25

TOTAL AMOUNT DUE $ 1,685.25

64#9261 + 1845.75

ADDRESS ALL CORRESPONDENCE REGARDING THIS INVOICE TO:
* 1400 - 5th Street * Nisku, Alberta T9E 7R6 * Tel.(403)955-7606

CRONE GEOPHYSICS & EXPLORATION LTD

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL.: (905) 270-0096 • FAX: (905) 270-3472 • E-MAIL: 102021.1447@compuserve.com

11823

SOLD TO:

Nuinsco Resources
908 The East Mall
Etobicoke, Ontario
M9B 6K2

SHIP TO:

CONSULTING ☐ CONTRACT ☒ SALE ☐ RENTAL ☐ REPAIR ☐ CREDIT ☐

DATE	SALESMAN	CUSTOMER P.O.	SHIP VIA	TERMS
Aug.30/96				30 DAYS NET

ITEM #	QTY.	DESCRIPTION	PERIOD COVERED	UNIT PRICE	AMOUNT
		Equipment Rental	Aug.1 - 31/96	$15000/mo	$15,000.00
		Operator - Wayne Pearson	Aug.7 - 10/96	400/mo	1,600.00
					$16,600.00
		Airfare - Wayne Pearson			1,117.08
		15% Handling Charge			167.56
		GST on Rental & Operator (101208858)			1,162.00
				TOTAL	$19,046.6

CRONE GEOPHYSICS & EXPLORATION LTD

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL.: (905) 270-0096 • FAX: (905) 270-3472 • E-MAIL: 102021.1447@compuserve.com

11652

INVOICE

SOLD TO:

Nuinsco Resources
908 THe East Mall
Etobicoke, Ontario
M9B 6K2

SHIP TO:

SAME

CONSULTING ☐ CONTRACT ☒ SALE ☐ RENTAL ☐ REPAIR ☐ CREDIT ☐

DATE	SALESMAN	CUSTOMER P.O.	SHIP VIA	TERMS
Sept.30/96				30 DAYS NET

ITEM #	QTY.	DESCRIPTION	PERIOD COVERED	UNIT PRICE	AMOUNT
		Equipment Rental	Sept.1-31/96	$15000/mo	$15,000.00
		GST (101208858)			1,050.00
				TOTAL	$16,050.00

PAID
OCT 17 1996

GL#561 - #367.1.64

CRONE GEOPHYSICS & EXPLORATION LTD

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL.: (905) 270-0096 • FAX: (905) 270-3472 • E-MAIL: 102021.1447@compuserve.com

1635

SOLD TO:

Nuinsco Resources
908 The East Mall
Etobicoke, Ontario
M9B 6K2

SHIP TO:

CONSULTING [X] CONTRACT [ ] SALE [ ] RENTAL [ ] REPAIR [ ] CREDIT [ ]

DATE	SALESMAN	CUSTOMER P.O.	SHIP VIA	TERMS
Sept.10/96				30 DAYS NET

ITEM #	QTY.	DESCRIPTION	PERIOD COVERED	UNIT PRICE	AMOUNT
	3	Days - consulting (Kevin Ralph)		$500.00	$1,500.00
		GST (101208858)			105.00
				TOTAL	$1,605.00

CRONE GEOPHYSICS & EXPLORATION LTD

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL.: (905) 270-0096 • FAX: (905) 270-3472 • E-MAIL: 102021.1447@compuserve.com

11678

INVOICE

SOLD TO:

Nuinsco Resources
908 The East Mall
Etobicoke, Ontario
M9B 6K2

SHIP TO:

SAME

CONSULTING ☐ CONTRACT ☐ SALE ☐ RENTAL ☐ REPAIR ☐ CREDIT ☐

DATE	SALESMAN	CUSTOMER P.O.	SHIP VIA	TERMS
Oct.31/96				30 DAYS NET

ITEM #	QTY.	DESCRIPTION	PERIOD COVERED	UNIT PRICE	AMOUNT
		Equipment Rental	Oct.1-24/96	$15,000/mo	$12,000.00
		Operators:			
		- Denis Jolin	Oct.18-21/96	400/mo	1,600.00
		- Steve Woodward	Sept. 26-29/96	"	1,600.00
					$15,200.00
		GST (101208858)			~~1,064.00~~
		Expenses:			
		Meals & Accommodation $ 321.64			
		Fuel 121.00			
		Truck Mileage 950 kms. 285.00			727.64
		15% Handling Charge on expenses			109.15
		Freight for returned equipment to follow.....			
				TOTAL	$17,100.79

PAID

GR#791 - $17,100.79

CRONE GEOPHYSICS & EXPLORATION LTD

3607 WOLFEDALE ROAD, MISSISSAUGA, ONTARIO, CANADA L5C 1V8
TEL.: (905) 270-0096 • FAX: (905) 270-3472 • E-MAIL: 102021.1447@compuserve.com

11682

INVOICE

SOLD TO:

Nuinsco Resources
908 The East Mall
Etobicoke, Ontario
M9B 6K2

SHIP TO

SAME

CONSULTING ☐ CONTRACT ☒ SALE ☐ RENTAL ☐ REPAIR ☐ CREDIT ☐

DATE	SALESMAN	CUSTOMER P.O.	SHIP VIA	TERMS
Oct.31/96				30 DAYS NET

ITEM #	QTY.	DESCRIPTION	PERIOD COVERED	UNIT PRICE	AMOUNT
		Freight charge for equipment			$449.78
		15% Handling charge on expenses			67.47
				TOTAL	$517.25

PAID

Cheque # 855 $517.25

Damien Engelbrecht
1850 Folkway Dr.
Mississauga, ON
L5L 2X9
26th August, 1996

In account with Nuinsco Resources Limited:

For professional services relating to the Rainy River Project, between Saturday, August the First (01/08/96) and Saturday, August the Twenty-Fourth (24/08/96).

Rainy River Project;
22 days @ $140.00 (One Hundred and Forty dollars and no Cents)

SubTotal - *$3080.00* (Three Thousand, Eighty Dollars, no Cents)
Expenses - *$290.22* (Two Hundred and Ninety Dollars, Twenty-Two Cents)

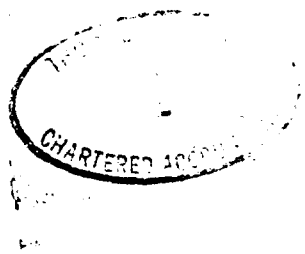
Total - **$3370.22** (Two Thousand, Nine Hundred, Forty-One Dollars, Twenty-Two Cents)

it

Paul L. Jones, 27 Briarmoor Crescent, Ottawa, Ontario, K1T 3G7 613 738 2248

4 September, 1996.

Nuinsco Resources Limited,
908, The East Mall,
Etobicoke, Ontario,
M9B 6K2.
(08)



Invoice: August, 1996
G.S.T Registration No: 116064940

Invoice for professional fees relating to the Richardson Township and Turtle Tank exploration programs; various tasks related to the program, as outlined below, during August, 1996.

Diamond Drill Program - Richardson	24 days @ $300/day	$ 7,800.00	7200 ✓
Diamond Drill Program - Turtle Tank	2 days @ $300/day	$ 600.00	600 ✓
			7800 ✓
G.S.T. @ 7%	-	$ 588.00	546 ✓
Expenses: As per attached sheets.	-	$ 3,722.45	3722.45
Total	-	$12,710.48	12068.45

Sincerely
Paul Jones

Paul Jones.

935.73 Turtle Tank $977.73 977.73
10381.40 Rainy River, $11732.75 11090.72
G.S.T. 75.33 NWT Primary Area
$ 12068.45 ✓ 12068.45

FEED FAX THIS END

FAX

To: Jimmy
Dept.:
Fax No.:
No. ~~of Pages~~: 2
From: Paul
Date:
Company:
Fax No.:
Comments:

Post-it™ fax pad 7001F

PAID
SEP 17 1996
Cheque #0700 - $12068.45

Paul L. Jones, 27 Briarmoor Crescent, Ottawa, On, K1T 3G7 613 738 2248

Nuinsco Resources Ltd.,
908 the East Mall,
Etobicoke, ON,
M9B 6K2.
(09)

Invoice: September, 1996

G.S.T. Registration No.116064940

Invoice for professional fees and expenses relating to the Rainy River Project, northwestern Ontario during September, 1996. Fees for diamond drill program supervision during the month, expenses related to that supervision.

26 days @ $300/day	-	$ 7800.00
G.S.T> @ 7%	-	$ 546.00
Expenses: as per attached sheets	-	$ 3235.97
Total	-	$11581.97

Sincerely,

0.*

546.00+
86.74+
632.74◊

11,581.97-
-10,949.23*

PAID
OCT 17 1996

Ck#538 - $ 11581.97

NOV-01-1996 09:19

Paul L. Jones, 27 Briarmoor Crescent, Ottawa, Ontario, K1T 3G7 613 738 2248

1 November, 1996

Nuinsco Resources Limited,
908, The East Mall,
Etobicoke, Ontario,
M9B 6K2.
(10)

Invoice: October, 1996
G.S.T Registration No: 116064940

Invoice for professional fees relating to the Richardson Township exploration program; various tasks related to the program, as outlined below, during August, 1996.

Diamond Drill Program - Richardson		30 days @ $300/day	$ 9,000.00
G.S.T. @ 7%		-	$ 630.00
Expenses:	As per attached sheets.	-	$ 2237.03
Total		-	$11,867.03

Sincerely
Paul Jones

Paul Jones

NOV 19 1996

Ch #796 - $11,867.03

Paul L. Jones, 27 Briarmoor Crescent, Ottawa, Ontario, K1T 3G7 613 738 2248

3 December, 1996.

Nuinsco Resources Limited,
908, The East Mall.
Etobicoke, Ontario,
M9B 6K2.
(10)

Invoice: November, 1996
G.S.T Registration No: 116064940

Invoice for professional fees and expenses applied to the Nuinsco Resources Limited Rainy River Project - Richardson Township Diamond Drilling Program; various tasks related to supervision of the program during November, 1996, as outlined below

Diamond Drill Program - Richardson Twp.	28 days @ $300/day		$ 8,400.00
G.S.T. @ 7%		-	$ [redacted]
Expenses:	As per attached sheets.	-	$ 3,753.52
Total		-	$12,741.52

Sincerely
Paul Jones

Paul Jones

To Be Applied to NW1
Ramore Area

PAID
DEC - 5 1996

cheque #818 - $ 12,741.52

Paul L. Jones, 27 Briarmoor Crescent, Ottawa, Ontario, K1T 3G7, 613 738 2248

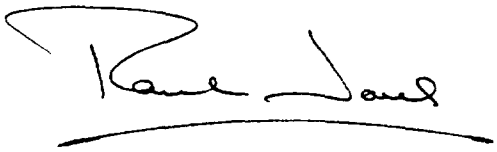
Nuinsco Resources Limited,
908 The East Mall,
Etobicoke,ON,
M9B 6K2.

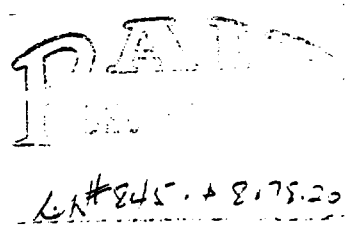
Invoice: December, 1996

Invoice for professional fees and expenses pertaining to the Nuinsco Resources Limited exploration program in the Rainy River District, northwestern Ontario. Program supervision and report writing between 1 December and 20 December, 1996.

16 days @ $300/day	-	$4,800.00
G.S.T. @ 7%	-	$ 336.00
Expenses: As per attached sheet	-	$3,042.20
Total	-	$8,178.20

Sincerely
Paul Jones





G. F. ARCHIBALD GEOLOGICAL SERVICES LTD
2995 UPLANDS ROAD
VICTORIA B. C.
V8R 2A9

September 20,1996

IN ACCOUNT WITH: Nuinsco Resources ltd
908 The East Mall
Etobicoke, ON

FEE For July & August 1996

28 days @ $500.00 per day	$14,000.00
GST	$ 980.00
	$14,980.00

Aug = $7,000

PAID
OCT 16 1996
GN#521 - $ 14,980.00

G. F. ARCHIBALD GEOLOGICAL SERVICES LTD
2995 UPLANDS ROAD
VICTORIA B. C.
V8R 6A9

January 3, 1997

IN ACCOUNT WITH: Nuinsco Resources ltd
908 The East Mall
Etobicoke, ON

FEE For September, October,November, December 1996

38 days @ $500.00 per day	$19,000.00
GST	$ 1,330.00
	$20,330.00

Feb #940 - $ 20,330.00

OSCAR BURNELL
RR #2
EMO, ONTARIO
P0W 1E0

September 1, 1996

INVOICE TO: Nuinsco Resources Ltd

Core grabbing, core spliting and operating tractor for perion
Sept. 1 to 30, 1996.

220 hours at $17.00 per hour----------$3740.00

APPROVED

PAID
SEP 2 0 1996
ck#721 - $3740

OSCAR BURNELL
RR #2
EMO, ONTARIO
P0W 1E0

August 1, 1996

INVOICE TO: Nuinsco Resources Ltd

Core grabbing, core spliting and operating tractor for perion
Aug. 1 to 31, 1996.

179 hours at $17.00 per hour----------$3043.00

APPROVED

PAID
AUG 19 1996

66#618 - $3043.00

Oscar Burnell,
RR 2, Emo
ON, P0W 1E0.

In Account With: Nuinsco Resources Limited

Core splitting, core grabbing, stripping and trenching, and general duties around the site. Rainy River Project, northwestern Ontario.

197 hrs @ $17/hr	-	$3349.00
Expense	-	$ 200.00
Total	-	$3549.00

APPROVED

To Be Applied to NW1 Property Area

PAID
OCT 17 1996
Cq #539 - $3549

FEED FAX THIS END

FAX

To:
Dept.:
Fax No.:
No. of Pages:
From:
Date:
Company:
Fax No.:
Comments:

Oscar Burnell,
R.R. 2, Emo,
ON, POW 1E0

14 January, 1997

In Account With Nuinsco Resources Limited:

General support duties on the Nuinsco Resources Limited, Rainy River Project durin the Month of December, 1996.

189hrs @ $17/hr - $3,213

Post-it® Fax Note 7671	Date	# of pages ▶
To	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

APPROVED

JAN 22

62#952 - $3213

Oscar Burnell,
R.R. 2,
Emo, On.,
POW 1EO.

5 December, 1996

In account with Nuinsco Resources Limited:

General support duties on the Nuinsco Resources Limited Rainy River Project during the month of November.

194hrs @ $17/hr - $3,289

APPROVED

To Be Applied To NW1 Anomaly Area

Paul Jones

6 #372 - # 3289.00

Post-It™ brand fax transmittal memo 7671	# of pages ▸ 2
To Jimmy	From Paul
Co.	Co.
Dept.	Phone #
Fax #	Fax #

OSCAR BURNELL
R.R. 2,
EMO, ON,
POW 1EO

In account with Nuinsco Resources Ltd.:

General support dutied on the Rainy River Project during the month of October, 1996.

169hrs @ $17/hr - $2,873.00

FAXED
Pg___ Date 12/11/96

APPROVED

To Be Applied to NW1
Princess Area

64760-42873

Todd Ojala
410 B Shorewood Drive
Int'l Falls, MN 56649
USA

In Account With: Nuinsco Resources Limited

Data entry, data analysis, computer consulting, and general clerical duties.
Rainy River Project, northwestern Ontario.

7 days @ $140/day - $980.00

APPROVED

To Be Applied to NW1 Rainy Area

Jimmy - could you issue this cheque quickly, Todd is moving out of the area and would like to have the money before he leaves.

Cheque #0522 - $980.00

Todd Ojala
410 B Shorewood Drive
Int'l Falls, MN 56649
USA

In Account With: Nuinsco Resources Limited

Data entry, data analysis, computer consulting, and general clerical duties.
Rainy River Project, northwestern Ontario.

2 days @ $140/day - $280.00

APPROVED

NW1 Pinecony Area.

Jim: could you add this to the previous invoice for Todd (of $980.00).

Thanks

PAID
OCT 17 1996

Acct # 533 - $280

Post-it® Fax Note 7671 | Date | # of pages | To | From | Co./Dept. | Co. | Phone # | Phone # | Fax # | Fax #

To Be Applied to
NWI Primary Area

APPROVED

[signature]

Wagg Mineral Exploration and Consulting Inc.

RR #1 Denbigh, ON K0H 1L0 ph/fax (613) 333-5228
SBRN: 13135 7840 RT

Date: Oct. 1 '96

Invoice# 1996-14

To: Nuinsco Resources
908 The East Mall
Etobicoke ON
fax: 416 626 0890

For the period Sept. 15th - 30th 1996, inclusive.

Project: Rainy River Property: Richardson Primary Area

A total of 14 days worked, broken down as follows:

2 days travel: Denbigh → Finland 2152 km
Travel Expenses 96.49

12 days Core Logging + Drill Supervision
Job related 1310 km

Meals + Groceries 102.84
Accommodation in Finland 290.00 (pd to Oct 15)

Professional Fees @ $250.00/day	$ 3500.00
Mileage @ $ 0.30/km	$ 1038.60
GST	$ 317.70
Total Expenses - includes 12.13 GST pd to merchants	$ 489.33
Balance Outstanding	$ 5345.63

[signature] B.Sc.

Bank of Montreal Northbrook ON K0H 2G0
Tr 38472 Acct 1001-169

TOTAL P.02

WAGG Mineral Exploration and Consulting Inc.

RR #1 Denbigh, ON K0H 1L0 ph/fax (613) 333-5228
SBRN: 13135 7840 RT

Date: Nov. 30, 1996.

Invoice # 1996-17

To: Nuinsco Resources Limited
908 The East Mall
Etobicoke, Ontario
M9B 6K2
fax: (416) 626-0890

APPROVED
Paul Sowa

To Be Applied To next Primary Area

For the period November 1st to 30th, inclusive.

Project: Rainy River, Property: Richardson Twp. (Primary Area).

A total of 20 days worked, broken down as follows:

20 days -drill supervision and core logging DDH's NR 96-61 through NR 96-64, including Borsurv .dh2 and .log files, summary logs, and excel assay files. Office work compiling wholerock geochemical data dating from 1994 to present into manageable standardized files.

Expenses: Accommodation 250.00, Utilities 50.00
Meals and Groceries 298.64
Mileage: 867 job-related km

Manitoba Mines and Energy Convention Expenses: 275.00 Registration, Hotel, Meals, Fuel.

PAID
DEC - 5 1996

Professional Fees @ $275.00/day	$	5500.00
Mileage @ $0.30/km	$	260.10
GST	$	[illegible]
Total Expenses includes $ [illegible] GST paid to merchants (573.64X7/115)	$	[illegible]
Balance Outstanding	$	7034.85

Left #8.9 - $4087.72

President,
C.A. Wagg, B.Sc., Consulting Project Geologist.

Please remit payment by wire transfer or mail: Wagg Mineral Exploration and Consulting Inc.
Transit 38472-001 Account 1001-169
Attn: The Manager, Bank of Montreal, Hwy. #41 and Peterson Rd., Northbrook, ON, K0H 2G0.

To Jimmy	From Paul
Co./Dept.	Co.
Phone #	Phone #

WAGG Mineral Exploration and Consulting Inc.

RR #1 Denbigh, ON K0H 1L0 ph/fax (613) 333-5228
SBRN: 13135 7840 RT

Date: Dec. 20, 1996.

Invoice # 1996-19

To: Nuinsco Resources Limited
908 The East Mall
Etobicoke, Ontario
M9B 6K2
fax: (416) 626-0890

APPROVED
Paul Wood.
To Be Applied To
New Primary Area
(Still Necessary?).

For the period December 1st to 17th, inclusive.

Project: Rainy River, Property: Richardson Twp. (Primary Area).

A total of 13.5 days worked, broken down as follows:

11.5 days - Core logging and drill supervision on DDH's NR-96-64 through NR-96-67, and the deepening of NR-96-62 by 200 ft., including summary logs, Borsurv .dh2 and Excel assay files.

2.0 days - Travel from Finland to Denbigh 2117 km, and total travel expenses of $221.99 broken down as follows: Motel 158.94, Meals 63.05

Expenses: Meals and Groceries 54.50 and 239.74
Misc. 4.60 for four claim maps for D. MacEachern.
Mileage: 680 job-related km.

Professional Fees @ $275.00/day		$ 3712.50
Mileage @ $0.30/km		$ 839.10
GST		$ 318.61
Total Expenses includes $ 31.70	~~GST paid to merchants~~	$ 520.83
	Balance Outstanding	$ 5391.04

JAN 22 1997
#955 # 5391.04

President,
C.A. Wagg, B.Sc., Consulting Project Geologist.

Please remit payment by wire transfer or mail: Wagg Mineral Exploration and Consulting Inc.
Transit 38472-001 Account 1001-169,
Attn: The Manager, Bank of Montreal, Hwy. #41 and Peterson Rd., Northbrook, ON, K0H 2G0.

Earl Johnson,
R.R. 2,
Emo, On.,
POW 1EO.

5 December, 1996

In account with Nuinsco Resources Limited:

General support duties on the Nuinsco Resources Limited Rainy River Project during the month of November.

47hrs @ $10/hr - $470

APPROVED

To Be Applied To
New Primary Area

Earl Johnson,
R.R. 2, Emo,
ON, P0W 1E0

14 January, 1997

In Account With Nuinsco Resources Limited:

General support duties on the Nuinsco Resources Limited, Rainy River Project durin the Month of December, 1996.

67hrs @ $10/hr - $670

Ck #951 $670

APPROVED
Paul Jones.
To be applied to NW1
Phinney Area.

Earl Johnson
R.R. 2,
EMO, ON,
POW 1E0

In account with Nuinsco Resources Ltd.:

General support dutied on the Rainy River Project during the month of October, 1996.

53hrs @ $10/hr - $530.00

APPROVED

To be Applied to NW1 Rainy Area

FAXED
Pg__ Date 12/11/96

Ck#759 - $530

Earl Johnson
RR 2, Emo
ON, P0W 1E0.

In Account With: Nuinsco Resources Limited

Core splitting, and general duties around the site. Rainy River Project, northwestern Ontario.

19 hrs @ $10/hr - $190.00

APPROVED
Earl Johnson

To Be Applied to NW1 Primary Area.

PAID
OCT 17 1996
GN#540 - $190.00

SEP-02-1996 20:06

EARL JOHNSON
RR #2
EMO, ONTARIO
P0W 1E0

September 1, 1996

INVOICE TO: Nuinsco Resources Ltd

Assisting Crone geophysist downhole pulse survey,
moving diamond drill core.

51 hours at $10.00 per hour--$510.00

APPROVED

G J [signature]

PAID
SEP 20 1996
ck# 722 - $510.00

TOTAL P.02

Stephen Warner
455 Roy Ave., #323
Dorval, Quebec
H9S 3E2

Date: December 1-8th
In Account With: Nuinsco Resources Limited

Data entry and data analysis.
Rainy River Project, northwestern Ontario.

8 days @ $200/day - $1600.00

Stephen Warner

APPROVED

To be Applied To NWI Primary Area

PAID
DEC - 5 1996

Cheque #820 - $1,600

The Emo INN

P.O. Box 598
Emo, Ontario P0W 1E0
Phone 807-482-2272
Fax 807-482-1050
G.S.T.#R120690573

TO Quinsco
908 The East Mall
Etiobokc, ON M9B6K2

DATE Dec 4/96

DATE		BALANCE
	BALANCE FORWARD	
	Rooms & meals for Steve Warner	136 84
		200 00
	meals #66276	
	DEC 20	
	LH847 - $156.84	
	Thank You!	156 18

Payment due on receipt of statement. 2% per month on overdue accounts.

Bharti Engineering Associates Inc.

DECEMBER 31, 1996

INVOICE NO.: 0000805-IN
JOB CODE: CNUI001 4048
PAGE NO.: 1

GEORGE F. ARCHIBALD
NUINSCO RESOURCES LIMITED
908 THE EAST MALL
ETOBICOKE, ON
M9B 6K2

RAINY RIVER PROJECT
P.O.#:

TOTAL HOURS AND FEES:	53.00	$	2185.00
CDN $$ BILLABLE EXPENSES			
COURIER			38.89
FAX			6.00
HANDLING CHARGES			14.44
PHOTOCOPIES			99.53
TOTAL EXPENSES:			158.86
GST AMOUNT (GST# 121208920):			164.07
TOTAL OF THIS INVOICE:		$	2507.93 CDN

TERMS: NET 30 DAYS
OVERDUE ACCOUNTS SUBJECT
TO INTEREST @ 1.5%
PER MONTH (18% PER ANNUM)

PAID
JAN 22 1997

Cheque #950 - $2507.93

Branch Offices:
Toronto, Ontario
Vancouver, British Columbia

A BLMI Company

Mine and Design Engineering

131 Fielding Road, Lively (Sudbury) Ontario, Canada. P3Y 1L7 **Tel:** (705) 682-3211 **Fax:** (705) 682-2718

FPF RESOURCES
259 Anderson Drive, Lively, Ontario.
P.O. Box 1128 P3Y 1M9 705-692-9276

Oct 18, 1996

NUINSCO RESOURCES LTD.
908 THE EAST MALL
ETOBICOKE ON
M9B 6K2

DEAR DOUG / GEORGE,

Re: F. PUSKAS CONSULTANT CHARGES
RAINY RIVER PROJECT

Reimbursement totals $2,124.00. Note hours are indicated for each day worked.

Regards

F. Puskas

Encl.

Lab #800 - $2124.20

208 3rd St East
Fort Frances, Ont P9A 1M6
Sept 11-1996

MR. Doug Hume
Nuinsco Resources LTD.
908 The East Mall
Etobicoke ONT.

Dear Doug:

Please find enclosed an invoice for completed on your Richardson Grid as well, your Cousineau option at Mine Centre, ONT.

A Breakdown is as follows:

Black Hawk, Richardson Twp project $4950.00

Cousineau option Mine Centre $4250.00

$9200.00

APPROVED

Gst 644.00

The amount owing $9844.00

SEP 2 0 1996

Ck # 710 - $ 9844.00

Thank you

Donald J. McEachern

Bevin Burnell
R.R. 2,
EMO, ON,
POW 1E0

In account with Nuinsco Resources Ltd.:

General support dutied on the Rainy River Project during the month of October, 1996.

24hrs @ $17/hr - $408.00

APPROVED

FAXED
Pg___ Date 2/11/96

To Be Applied to New Property Area.

PAID NOV 19 1996

Ck# 761 - $408.00

Post-it® Fax Note 7671	Date	# of pages ▶ 3
To	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

R.L. Tomlinson
Drafting & Blueprinting Inc.
107 Cumberland Street North
Thunder Bay, Ontario P7A 4M3
Phone (807) 345-6375 Fax (807) 345-4066

G.S.T. NO. R104558721

INVOICE

INVOICE NO. 3124

INVOICE DATE September 30, 1996

OUR FILE NO. 940118

YOUR ORDER NO.

NUINSCO RESOURCES LTD.
908 THE EAST MALL
ETOBICOKE, ONTARIO

M9B 6K2

Date	Description	Qty	Price	Amount
Sep 30 96	CAD DRAFTING SERVICES MONTH OF SEPTEMBER, 1996 MINING DRAWINGS	11.00	45.00	495.00

PAID
OCT 17 1996
Cheque #1328 618.80

Total before tax	:	495.00
GST	:	34.65
PST	:	0.00
Total payable - net 30 days		$529.65

K.L. Tomlinson Drafting & Blueprinting Inc.

107 Cumberland Street North • Thunder Bay, Ontario P7A 4M3 • (807) 345-6375

S T A T E M E N T

NUINSCO RESOURCES LTD.
908 THE EAST MALL
ETOBICOKE, ONTARIO

M9B 6K2

Statement Date: Nov 30, 1996
Customer Number: 140500

Invoice	Date	Type	Amount / Payment	Total
3210	10/31/96	IN	409.28	409.28
3259	10/31/96	IN	105.50	514.78
3316	11/30/96	IN	890.78	1,405.56
3347	11/30/96	IN	295.32	1,700.88

PAID
DEC 20 1996
Cht #874 - $1700.88

AMOUNT DUE 1,700.88

Current	31-60 Days	61-90 Days	Over 90 Days
1,700.88	0.00	0.00	0.00

NORLUND
OIL LIMITED
BOX 265 EMO, ONTARIO P0W 1E0
PHONE COLLECT (807) 482-2680 FAX (807) 482-2014

PETRO-CANADA DISTRIBUTOR

PAYMENT DUE ON RECEIPT OF STATEMENT.
2% PER MONTH ON OVERDUE ACCOUNTS.

STATEMENT OF ACCOUNT

Nuinsco Resources Limited

908 East Mall,
Etobicoke, Ontario
M9B 6K2

STATEMENT DATE	ACCOUNT NO.
10-31-96	604

CREDIT LIMIT:

DATE PAID _____ CHEQUE NO. _____ AMOUNT _____

TRANSACTION DATE	INVOICE NO.	DESCRIPTION	AMOUNT	BALANCE
06-17-96	V5916	Invoice		175.06
10-16-96	14559	Invoice		293.42

GA#772 - #118.36

AGE	Current	31-60	Over 60	TOTAL
AMOUNT	293.42	0.00	175.06-	118.36

NORLUND OIL LIMITED

BOX 266 EMO, ONTARIO P0W 1E0
PHONE COLLECT (807) 482-2680 FAX (807) 482-2014

PETRO-CANADA DISTRIBUTOR

PAYMENT DUE ON RECEIPT OF STATEMENT.
2% PER MONTH ON OVERDUE ACCOUNTS.

STATEMENT OF ACCOUNT

Nuinsco Resources Limited

908 East Mall,
Etobicoke, Ontario
M9B 6K2

STATEMENT DATE	ACCOUNT NO.
11-30-96	604

CREDIT LIMIT:

DATE PAID _____ CHEQUE NO. _____ AMOUNT _____

TRANSACTION DATE	INVOICE NO.	DESCRIPTION	AMOUNT	BALANCE
11-26-96	14735	Invoice		304.40

PAID
DEC 20 1996
Cheque # 866 - $304.40

AGE	Current	31-60	Over 60	TOTAL
AMOUNT	304.40	0.00	0.00	304.40

:o Hydro

NUINSCO RESOURCES LTD

ON

ONS? Please Call
800-465-3961
800
d:30am-4:30pm EST

ICE: Farm/1F2-11

93419

Billing Date	Dec 03, 1996
NOW DUE	$ 183.75
After Dec 24, 1996	$ 192.96

Account: **9721 33 0193613**

Meter Readings

Nov 20	5382
Oct 07	5288
44 days	94x mult. 20 = 1880 kWh

MESSAGES
Paid $134.81 Nov 22,96. Thank you!

MONTHLY BILL

Service Charge	15.45
includes Rate Assistance CR	
1880 kWh @8.020¢	150.78
Water Heater Rental	5.50
GST #R119382901	12.02
TOTAL	$183.75

PAID
DEC 2 0 1996
Ck #878 - $46.21

MANAGING YOUR ELECTRICITY

	kWh/day	$/day
Present Bill	43	3.78
A Year Ago	51	4.66

After due date, bills have a 5% late payment charge.
Bills can be provided in English or French.

COMMENTS: NUINSCO RESOURCES LTD 807-482-1102 Dec 03, 1996 9721 33 0193613

93610 (front) rev. 94-01

TB1

Ontario Hydro

Box 580
Burwood Dr
Bay ON

NUINSCO RESOURCES LTD

Billing Date	Nov 12, 1996
NOW DUE	$ 144.38
After Dec 03, 1996	$ 147.03

Account: **9721 23 0632604**

IONS? Please Call
-800-465-3961
800
:30am-4:30pm EST

E: General/1G2-11

RDSON TOWNSHIP H836437

r Readings

22	3319
p 15	3290
days	29x mult. 10 = 290 kWh

MESSAGES
Previous balance is past due. Please pay immediately to avoid interruption of electric service. If payment already made, please disregard this message.

MONTHLY BILL

Previous Balance	87.62
Service Charge	27.95
290 kWh @8.650¢	25.09
GST #R119382901	3.72
TOTAL	$144.38

PAID
NOV 18 1996

Ck#773 - $362.64

MANAGING YOUR ELECTRICITY

	kWh/day	$/day
Present Bill	8	1.43
A Year Ago	33	3.99

Next Bill: Dec 11 1996

After due date, bills have a 5% late payment charge.
Bills can be provided in English or French.

COMMENTS: NUINSCO RESOURCES LTD 807-428-1102 Nov 12, 1996 9721 23 0632604

TB1

93610 (front) rev. 94 01

Ontario Hydro

Please return with payment to Ontario Hydro or can be paid at most chartered banks or financial institutions in Canada.

CREDIT BALANCE	$ 170.89CR
Amount Paid	$

Account: **9721 33 0193613**

T167 J
XX T1
NUINSCO RESOURCES LTD
9721

908 THE EAST MALL
ETOBICOKE ON M9B 6K2

1:0000 2=0 10: 70=000 14=96

Ontario Hydro

Box 580
205 Burwood Dr
Thunder Bay ON
P7C 4W4

NUINSCO RESOURCES LTD

Billing Date	Sep 03, 1996
CREDIT BALANCE	$ 170.89CR

Account: **9721 33 0193613**

ANY QUESTIONS? Please Call
Toll Free 1-800-465-3961
(807)346-3800
Mon-Fri 8:30am-4:30pm EST

SERVICE: *Farm/1F2-11-2*

J593419

Meter Readings

Aug 08	5136
May 22	5022
78 days	114x mult. 20 = 2280 kWh

MESSAGES
Paid $168.00 Aug 23,96. Thank you!

MONTHLY PAYMENT PLAN
QUARTERLY BILL

Previous Credit	433.80CR
Service Charge	46.35
includes Rate Assistance CR	
2280 kWh @8.020¢	182.86
Water Heater Rental	16.50
GST #R119382901	~~17.20~~
TOTAL	$170.89CR
No Payment Required	

MANAGING YOUR ELECTRICITY

	kWh/day	$/day
Present Bill	29	2.94
A Year Ago	18	2.02

Next Issue Date: Oct 03 1996

Bills can be provided in English or French.

COMMENTS: NUINSCO RESOURCES LTD 807-482-1102 Sep 03, 1996 9721 33 0193613

TB1

93610 (front) rev 94-01

Bell

ACCOUNT NUMBER **807 482 1102 (966)**

BILL DATE **November 28, 1996**

NUINSCO RESOURCES LTD

Inquiries

310-2355

ACCOUNT SUMMARY

7482 1102 96604 001

Previous charges	
Amount of last bill	389.67
Payment received Nov 22 - Thank You	389.67cr
Adjustments	.00
Balance forward	**.00**

Payments and adjustments processed up to November 28, 1996 are reflected on this statement

Current charges	**491.96**

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

Please pay this amount upon receipt

Total amount due 491.96

ck #879 - $491.96

Long distance savings and discounts this month with Bell $ 266.31

Recycled paper

* * * *Detach here* * * *

See reverse for more information

Bell

ACCOUNT NUMBER **807 487 1140 (881)**

BILL DATE **November 28, 1996**

NUINSCO RESOURCES LTD

Inquiries

310-2355

ACCOUNT SUMMARY

7487 1140 88104 001

Previous charges	
Amount of last bill	141.58
Payment received Nov 22 - Thank You	141.58cr
Adjustments	.00
Balance forward	**.00**

Payments and adjustments processed up to November 28, 1996 are reflected on this statement

Current charges	**142.77**

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

Cash #0825 - $142.77

Please pay this amount upon receipt

Total amount due **142.77**

Long distance savings and discounts this month with Bell
$ 3.59

Recycled paper

** * * Detach here * * **

See reverse for more information

Bell

ACCOUNT NUMBER **807 487 1140 (881)**

BILL DATE **December 28, 1996**

NUINSCO RESOURCES LTD

Inquiries

310-2355

ACCOUNT SUMMARY

7487 1140 88104 001

Previous charges	
Amount of last bill	142.77
Payment received Dec 10 - Thank You	142.77cr
Adjustments	.00
Balance forward	**.00**

Payments and adjustments processed up to December 30, 1996 are reflected on this statement

Current charges	144.55

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

Loh 49.18 + 144.55

Please pay this amount upon receipt

Total amount due **144.55**

Long distance savings and discounts this month with Bell
$ 6.94

Recycled paper

* * * *Detach here* * * *

See reverse for more information

Bell

ACCOUNT NUMBER **807 482 1102 (966)**

BILL DATE **December 28, 1996**

NUINSCO RESOURCES LTD

Inquiries

310-2355

ACCOUNT SUMMARY

7482 1102 96604 001

Previous charges	
Amount of last bill	491.96
Payments	.00
Adjustments	.00
Balance forward	**491.96**
Current charges	**306.91**

Payments and adjustments processed up to December 30, 1996 are reflected on this statement

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

Please pay this amount upon receipt

Total amount due **798.87**

Ck # 917 - # 30691

Recycled paper

** * * Detach here * * **

See reverse for more information

Bell

ACCOUNT NUMBER **807 482 1102 (966)**

BILL DATE **October 28, 1996**

NUINSCO RESOURCES LTD

Inquiries

310-2355

ACCOUNT SUMMARY

7482 1102 96604 001

Previous charges		
Amount of last bill	413.36	
Payment received Oct 21 - Thank You	413.36cr	
Adjustments	.00	
Balance forward	**.00**	
Current charges	**389.67**	
Total amount due	**389.67**	

Payments and adjustments processed up to October 28, 1996 are reflected on this statement

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

let #781 - #389.67

Please pay this amount upon receipt

Long distance savings and discounts this month with Bell
$ 186.30

Recycled paper

** * * Detach here * * **

See reverse for more information

Charge Discount Amount

Page 10 of 10
807 226 1215 (042)
September 22, 1996

ACCOUNT NUMBER **807 226 1215 (042)**
BILL DATE **September 22, 1996**

NUINSCO RESOURCES LIMITED

Inquiries 310-2355

ACCOUNT SUMMARY

7226 1215 04204 006

Previous charges	
Amount of last bill	426.68
Payments	.00
Adjustments	.00
Balance forward	**426.68**
Current charges	**278.37**

Payments and adjustments processed up to September 23, 1996 are reflected on this statement

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

PAID
OCT 17 1996

Please pay this amount upon receipt

Total amount due lot 4560 : #27837 **705.05**

Long distance savings and discounts this month with Bell
$ 107.16

Recycled paper

** * * Detach here * * **

See reverse for more information

ACCOUNT NUMBER **807 487 1140 (881)**
BILL DATE **September 28, 1996**

NUINSCO RESOURCES LTD

Inquiries **ACCOUNT SUMMARY** 7487 1140 88104 001

310-2355

Previous charges	
Amount of last bill	149.04
Payment received Sep 26 - Thank You	149.04cr
Adjustments	.00
Balance forward	**.00**

Payments and adjustments processed up to September 30, 1996 are reflected on this statement

Current charges **185.96**

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

PAID
OCT 17 1996

Please pay this amount upon receipt ▶ **Total amount due** Cnt#558 - $185.96 **185.96**

Long distance savings and discounts this month with Bell
$ 26.29

Recycled paper

** * * Detach here * * **

See reverse for more information

Page 12 of 12
807 482 1102
August 28, 1996
Amount

ACCOUNT NUMBER **807 482 1102**
BILL DATE **August 28, 1996**

NUINSCO RESOURCES LTD

Inquiries
310-2355

ACCOUNT SUMMARY

7482 1102 96604 001

Previous charges	
Amount of last bill	336.98
Payment received Aug 22 - Thank You	336.98cr
Adjustments	.00
Balance forward	**.00**
Current charges	**418.76**

Payments and adjustments processed up to August 28, 1996 are reflected on this statement

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

Please pay this amount upon receipt

Total amount due **418.76**

PAID
SEP 20 1996
bill #130 - $418.76

Long distance savings and discounts this month with Bell $ 182.77

Recycled paper

* * * *Detach here* * * *

See reverse for more information

ACCOUNT NUMBER **807 487 1140**

BILL DATE **August 28, 1996**

NUINSCO RESOURCES LTD

Inquiries

310-2355

ACCOUNT SUMMARY

7487 1140 88104 001

Previous charges	
Amount of last bill	162.30
Payment received Aug 22 - Thank You	162.30cr
Adjustments	.00
Balance forward	**.00**
Current charges	**149.04**

Payments and adjustments processed up to August 28, 1996 are reflected on this statement

The late payment charge rate of interest is 1.25% monthly (16.07% per annum)

Please pay this amount upon receipt

Total amount due **149.04**

PAID
SEP 20 1996

Cheque #729 - $149.04

Recycled paper

Long distance savings and discounts this month with Bell
$ 13.03

* * * *Detach here* * * *

See reverse for more information

R

GARDEN LAKE TIMBER

GST #R106195175
Box 23, Site 11, R.R. 16
THUNDER BAY, ONTARIO P7B 6B3
(807) 683-5352 Fax (807) 683-3731

CUSTOMER ORDER NO. | PHONE | DATE: Oct. 11/96

NAME: Nuinsco Resources.

ADDRESS:

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
			✓			

QTY.	DESCRIPTION	PRICE	AMOUNT
180	NQ core trays.	5.50	990.00
	Shipped to Tompkin's Hardware, Cemo. c/o - Gardewine		98.03

SPECIAL INSTRUCTIONS

2% interest per month. 24% per year will be charged on overdue accounts.

All claims and returns must be accompanied by this bill

SUB-TOTAL	1088.03
GST	76.16
PST	
TOTAL	1164.19

RECEIVED BY:

Thank You

22816

NUMBER

GARDEN LAKE TIMBER

GST #R106195175
Box 23, Site 11, R.R. 16
THUNDER BAY, ONTARIO P7B 6B3
(807) 683-5352 Fax (807) 683-3731

CUSTOMER ORDER NO. | PHONE | DATE: Sept. 16/96

NAME: Nuinsco Resources

ADDRESS:

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT

QTY.	DESCRIPTION	PRICE	AMOUNT
180	NQ core trays	5.75	1035.00
	Shipped to Tompkins Hardware, Elmo.		98.03

SPECIAL INSTRUCTIONS

2% interest per month, 24% per year will be charged on overdue accounts.

SUB-TOTAL	1133.03
GST	79.31
PST	
TOTAL	1212.34

RECEIVED BY

Thank You

22675

R

GARDEN LAKE TIMBER

GST #R106195175
Box 23 Site 11, R.R. 16
THUNDER BAY, ONTARIO P7B 6B3
(807) 683-5352 Fax (807) 683-3731

CUSTOMER ORDER NO. | PHONE | DATE: Dec 2/96

NAME: Nuinsco Resources

ADDRESS:

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RET'D.	PAID OUT
			/			

QTY.	DESCRIPTION	PRICE	AMOUNT
180	NQ core Trays		990.00
	shipped to Tompkins Hardware, Espanola via: Gardewine		100.58

SPECIAL INSTRUCTIONS

2% interest per month. 24% per year will be charged on overdue accounts.

All claims and returned goods MUST be accompanied by this bill

RECEIVED BY

SUB-TOTAL	1090.58
GST	76.34
PST	
TOTAL	1166.92

Thank You

23018

SERIES 810

JUDSON & SON LTD.

Telephone (807) 482-2507
Fax (807) 482-2204

GENERAL CONTRACTORS - EMO
ROAD GRADING - BACK HOEING - EXCAVATING
ROCK DRILLING - SAND, GRAVEL, FILL - EARTH

BOX 213
EMO, ONT.
P0W 1E0

#

Nuinsco
Resources Limited
908 The East Mall
Etobicoke, Ontario
M9B 6K2

DATE November 19, 1996

749

Re: Manitou Lumber Co. Ltd. invoice-October 1996

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
	Invoice # 3292 - October 26, 1996		212.26
	GST		14.85
	TOTAL		227.11
	Invoice #3287 - October 25, 1996		166.40
	GST		11.65
	TOTAL		178.05
	Invoice # 3282 - October 25, 1996		238.93
	GST		16.72
	TOTAL		255.65
	Total of all invoices		660.81

PAID
NOV 20 1996

ck#857 - $660.81

15-1-0380184 FOR CUSTOMER SERVICE CALL 1-807-482-2390

YR MTH DAY	INVOICE	DESCRIPTION	DEBITS/CREDITS
		PETROLEUM	
		BALANCE FROM PREVIOUS STATEMENT	952.70
96 11 28	000241	PETROLEUM PURCHASE	41.59
96 12 03	000430	PETROLEUM PURCHASE	171.38
96 12 03	000429	PETROLEUM PURCHASE	298.40
96 12 03	934563	PETROLEUM PURCHASE	392.82
96 12 27	052755	PETROLEUM PURCHASE	85.10
96 12 27	052754	PETROLEUM PURCHASE	255.51
96 12 30		SERVICE CHARGE	19.05
		PETROLEUM SUB-TOTAL	2216.55
		AGENT'S OWN	
		BALANCE FROM PREVIOUS STATEMENT	12.29
96 12 27	052753	PRODUCT/SERVICE PURCHASE	13.56
96 12 30		SERVICE CHARGE	.25
		AGENT'S OWN SUB-TOTAL	26.10
		TOTAL GST INCLUDED IN SALES 82.27	
		AVOID FURTHER SERVICE CHARGES, SEND YOUR PAYMENT TODAY, IF ALREADY SENT, THANK YOU	

JAN 1997

Paid $964.99

Ch# 933 - $1277.66

Ch# 869 - Dec 20/96.

ACCOUNT NUMBER	ACCOUNT NAME	STATEMENT DATE	PAYMENT DUE DATE	PAYMENT DUE
55423 017077	NUINSCO	DEC 30,1996	JAN 21,1997	$2242.65

PAYABLE AFTER DUE DATE: $2287.50

THIS SECTION APPLIES TO BUDGET PLAN CUSTOMERS			
DELIVERIES THIS MONTH	DELIVERIES TO DATE	PAYMENTS TO DATE	BALANCE

AMOUNT PAID

540058

PAYMENTS RECEIVED AFTER JAN 21,1997 WILL APPEAR ON YOUR NEXT STATEMENT. THE LATE PAYMENT CHARGE OF 2.0% PER MONTH, COMPOUNDED MONTHLY, RESULTS IN AN EFFECTIVE RATE OF 26.824% PER ANNUM.

T. J. KAEMINGH & SONS (1993) LTD.

PAGE 1 OF 1

Imperial Oil Products Division — Imperial Oil Esso L'Impériale — Pétrolière Impériale Division Produits pétroliers

171.38 / 11.21 / 160.17 / 30.00 / 130.17

Amount

000430

Customer's Copy

15-1-0332158 FOR CUSTOMER SERVICE CALL 1-807-482-2390

YR MTH DAY	INVOICE	DESCRIPTION	DEBITS/CREDITS
		PETROLEUM	
		BALANCE FROM PREVIOUS STATEMENT	3758.04
96 09 27	282908	PETROLEUM PURCHASE	238.84 ✓ CL
96 09 27	851529	PETROLEUM PURCHASE	559.21 ✓ RR
96 10 02	080796	PAYMENT - THANK YOU	2627.88CR
96 10 02	283143	PETROLEUM PURCHASE	217.57 ✓ RR
96 10 22	185289	PAYMENT - THANK YOU	1130.16CR
96 10 22	283814	PETROLEUM PURCHASE	309.79 ✓ RR
96 10 22	283813	PETROLEUM PURCHASE	62.05 ✓ RR
		PETROLEUM SUB-TOTAL	1387.46
		AGENT'S OWN	
		BALANCE FROM PREVIOUS STATEMENT	54.86
96 10 03	282909	PRODUCT/SERVICE PURCHASE	57.43 ✓ CL
96 10 22	185289	PAYMENT - THANK YOU	54.86CR
		AGENT'S OWN SUB-TOTAL	57.43
		TOTAL GST INCLUDED IN SALES 92.90	
		THANK YOU FOR YOUR MONTHLY PURCHASES	

PAID
NOV 19 1996

C.LK. $ 296.27
R.L. 1148.62
$ 1444.89

Los #770 - $1444.89

ACCOUNT NUMBER	ACCOUNT NAME	STATEMENT DATE	PAYMENT DUE DATE	PAYMENT DUE
55423 017077	NUINSCO	OCT 30,1996	NOV 21,1996	$1444.89

PAYABLE AFTER DUE DATE $1473.79

AMOUNT PAID

THIS SECTION APPLIES TO BUDGET PLAN CUSTOMERS

DELIVERIES THIS MONTH	DELIVERIES TO DATE	PAYMENTS TO DATE	BALANCE

PAYMENTS RECEIVED AFTER NOV 21,1996 WILL APPEAR ON YOUR NEXT STATEMENT. THE LATE PAYMENT CHARGE OF 2.0% PER MONTH, COMPOUNDED MONTHLY, RESULTS IN AN EFFECTIVE RATE OF 26.824% PER ANNUM.

299326

T. J. KAEMINGH & SONS (1993) LTD.

Imperial Oil

PAGE 1 OF 1

Imperial Oil
Products Division

Impériale

Pétrolière Impériale
Division Produits pétroliers

Ministry of Northern Development and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9710.00380

Personal information collected on this form is obtained ... ndence. Questions about this collection should be directed to the Provincial M ... Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-726...

52D16SE2001 2.18089 RICHARDSON

900

Instructions:
- Please type or print and ...
- Refer to the Mining Act a ... consult the Mining Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

2.18089

Recorded Holder(s): NUINSCO RESOURCES LIMITED		Client No.: 176866
Address: 908 THE EAST MALL ETOBICOKE ON		Telephone No.: (416) 626-0470
Mining Division: KENORA	Township/Area: RICHARDSON	M or G Plan No.: M 2115
Dates Work Performed: From: AUG 8, 1996	To: DEC 30 1996	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
X	Physical Work, Including Drilling	DIAMOND DRILLING AND ASSAYING, DOWN-HOLE SURVEYS
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs $ 591,675

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
P. PITMAN	908 THE EAST MALL, ETOBICOKE ON

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: NOV 12, 1997	Recorded Holder or Agent (Signature):

Certification of Work Report

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

Name and Address of Person Certifying: PAUL PITMAN, 908 THE EAST MALL, ETOBICOKE

Telepone No.	Date	Certified By (Signature)
(416) 626-0470	NOV 12, 1997	

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
	Deemed Approval Date	Date Approved	RECEIVED NOV 13 1997 GEOSCIENCE ASSESSMENT OFFICE
7	Date Notice for Amendments Sent: Deemed Feb 11/98		

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
G 1000141	PARCEL 5939 LOT 5, N½	62.36 ha	532,889 ✓			532,889
	CON 1 RICHARDSON					
G 1000169	PARCEL 14408 LOT 6 E½ CON 1	64.02 ha	58,786 ✓			58,786
	RICHARDSON					
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

2.1008

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

RECEIVED
NOV 13 1997
GEOSCIENCE ASSESSMENT OFFICE

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date NOV 12 1997

Table 3

EXPLORATION EXPENDITURES

(A) Direct Diamond Drilling Costs:

(i) Drilling (Ultra Mobile)

DDH 46	11,614	DDH 54-56	35,555
DDH 47	16,812	DDH 57-60	26,846
DDH 48	17,400	DDH 61-62	38,903
DDH 49	13,885	DDH 63-64	23,113
DDH 50	46,172	DDH 65	14,525
DDH 51	16,525	DDH 66	16,576
DDH 52	14,600	DDH 67	15,067
DDH 53	5,313		
			$ 312,906

(ii)	Bradley Bros. (Casing)	$21,422
(ii)	Downhole Surveying	
	Crone Geophysics	50,421.43
	Sperry Sun Rental	6,609.08
(iii)	Assaying; 1,500 samples @ $23/sample	34,500.00
(iv)	Core Saw	1,391.25
	Core Racks	1,633.62
	Core Trays	3,543.45
	Total Direct Drilling Costs	**$432,426.83**

(B) Geological Expenditures:

G. Archibald (V.P. Exploration), on-site work	26,000
P. Jones (Senior Geologist)	37,800
C. Wagg (Project Geologist)	16,685
S. Warner (Geologist)	4,161
D. Engelhrecht (technician)	3,370
O. Burnell (Core Grabber)	19,707
E. Johnston, B. Burnell (Helpers)	2,268
F. Puskas (consultant, advice on nickel)	2,124
Bharti Engineering (modeling of drill data)	6,826
	$118,941

EXPLORATION EXPENDITURES (continued)

(C) Other Field Services

Line cutting	4,950
Drafting (autocad)	4,015
	$8,965

(D) Camp/Transport Support Costs & Services

Camp and field expenses	15,991.17
GMC Truck rentals $550 x 2 for 4.5 months	4,950.00
Gasoline	3,687.54
House (camp) rental	3,500.00
Phone	2,089.43
Fuel oil	597.00
Hydro	527.49
	$31,342

Total Exploration Costs = $591,675 or $141.81/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 12, 1998

Paul Pitman
NUINSCO RESOURCES LIMITED
908 THE EAST MALL
ETOBICOKE, ONTARIO
M9B 6K2

Dear Sir or Madam:

Submission Number: 2.18089

Subject: Transaction Number(s):		**Status**
	W9710.00380	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: 11894
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18089

Date Correspondence Sent: February 12, 1998 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9710.00380	5939	RICHARDSON	Approval	February 11, 1998

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 Pitman
NUINSCO RESOURCES LIMITED
ETOBICOKE, ONTARIO

Correspondence ID: 11894