Summary Report

on the

Laramide Property
Diamond Drill Program

LARA V.M.S. PROJECT
VANCOUVER ISLAND, B.C.

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Feb. 22, 1999.

Table of Contents

Figures and Tables

Appendices

Summary

Nucanolan Resources Ltd. under its option agreement with Laramide Resources tested a number of zones on the Lara property located on Vancouver Island, B.C. where historically a number of volcanogenic massive sulphide occurrences have been delineated through previous exploration work.

The program conducted in 1998 consisted of a geological compilation of previous data, ground Magnetics and V.L.F.- Electromagnetic surveys over discrete sections of the Coronation and Coronation Zone Extension and diamond drilling of more than 2550 metres of core to test the extensions of known volcanogenic massive sulphide mineralization.

The property is roughly 3070 hectares in size, located southwest of the town of Chemainus, some 70 kilometres north of Victoria, British Columbia. It can be accessed west from by secondary logging roads owned and maintained by MacMillan-Bloedel. Chemainus is a port town with a good skilled work force and supply infrastructure.

The property is presently in good standing until the year 2000 and is held 100% by Laramide Resources Ltd. with Nucanolan Resources Ltd. having the right to earn a 50% interest in the property in consideration of an annual payment and exploration or development work commitments.

The property is covered by the upper Paleozoic Sicker Group volcanic rocks with a relief of 100 to 1000 metres above sea level. These volcanics include mafic to felsic units, several of which contain pyritic horizons containing lenses of massive zinc, copper and lead sulphides with significant values in silver and gold. The mineralized zones have been identified from earlier work and have a strike length of over 16 kilometres. Several zones known as the Coronation and Coronation Extension have a drill resource estimate of 583,000 tons averaging 1.01 % copper, 1.22% lead, 5.87 % zinc, 2.92 ounces per ton in silver and 0.138 ounces per ton in gold over an average thickness of 8.3 feet. Several other zones exist along strike on and just off the subject property and are known as the Anita, the '262' , the '162', the Randy North and the Sharon zones. These too are geologically related and show significant values and grade in similar mineralogical assemblages.

Just east of the property, the former Mount Sicker Mine produced over 300,000 tons averaging 3.3 % copper and 0.13 ounces per ton in gold. The present interpretation indicates the Anita, the '262' zone and the Mt. Sicker mine were part of the same mineralized rhyolite exhalative horizon characterized by bedded cherts, barium enrichement and sodium depletion. The Coronation zone appears to lie within a seperate geological horizon consisting of massive sulphide lenses on the flanks of a

rhyolite domal structure. Much of this interpretive work is included in summary reports shown in the reference section of this report.

Since 1981, this property has been explored using a number of exploration techniques including airborne and ground geophysics, geological mapping, geochemical soil sampling, trenching, diamond drilling and an underground bulk sampling program covering the Coronation Zone area. A complete work history for the property and area is outlined in this report but much of the recent work was concentrated in the Coronation and Coronation Extension areas.

A lot of the interpretive work involved comparison studies to the known Mt. Sicker and Westmin's Mt. Buttle deposits. The geophysical work was determined to be mostly ineffective due to terrain conditions, low chargeability contrast of the rock units and poor conductivity of the zinc-rich massive sulphides. The geochemical data was inconclusive due to the thick overburden cover in many areas, some degree of oxidation and weathering, and a lack of corroboration by visual identification or drilling as to the continuity of the underlying sulphide zones.

In the past, many of the mineralized zones were identified from drilling and extrapolating geological units along strike. Although it was the best tool available at the time, drilling was expensive, time consuming and did not take into account cross-faulting structures and adverse slope conditions in some locations. There are several methods available today that are more cost effective and reliable which can be utilized in this terrain before drilling is initiated in the future.

Of the mineralized zones tested, the Coronation, Coronation Extension and Anita appear to be on a similar trend, wheras the '262' zone may be a sub-parallel structure. The Randy North, Silver Creek, '126' and Sharon Zones appear to be on a more northerly trend as part of the northern limb of a synclinal structure.

Preliminary metallurgical work and bench test recovery work carried out on the Coronation Zone bulk sampling indicates that if further tonnage is found over wider widths, that the deposit could be economic at its present grade. Values of the minerals within the zone have to be greater than $100 per ton at today's world market prices. The favorable geology along the Coronation zone bears similarities to the Buttle Lake deposit currently being mined by Westmin Resources (Boliden) at their Myra Falls complex. In view of the evidence of several mineralized horizons which transect the Lara property, potential exists on the property for a larger massive sulphide deposit at depth or along strike to the known zones.

Additional work is needed on the interpretation of the past data and to understand the geological structures in the immediate area of the mineralized zones to determine if the major block faulting and cross-cutting structures play a factor in the

emplacement of the massive sulphide mineralization found to date. It was our intention to incorporate this idea into our new model for the mineralization to test the down-plunge extensions of the Coronation, Coronation Extension and '262' Zones around the Silver and Solly creek areas using drilling and newer down-hole geophysical techniques. Unfortunately, the 1998 program was unable to carry out any down-hole geophysics due to budget constraints.

The program that was carried out included data compilation, ground inspection, sampling and geological mapping, diamond drilling of twelve holes, and sample analysis of rock, stream sediment and core samples. Due to the limited success of this first program, further work should be carried out as part of a second phase program.

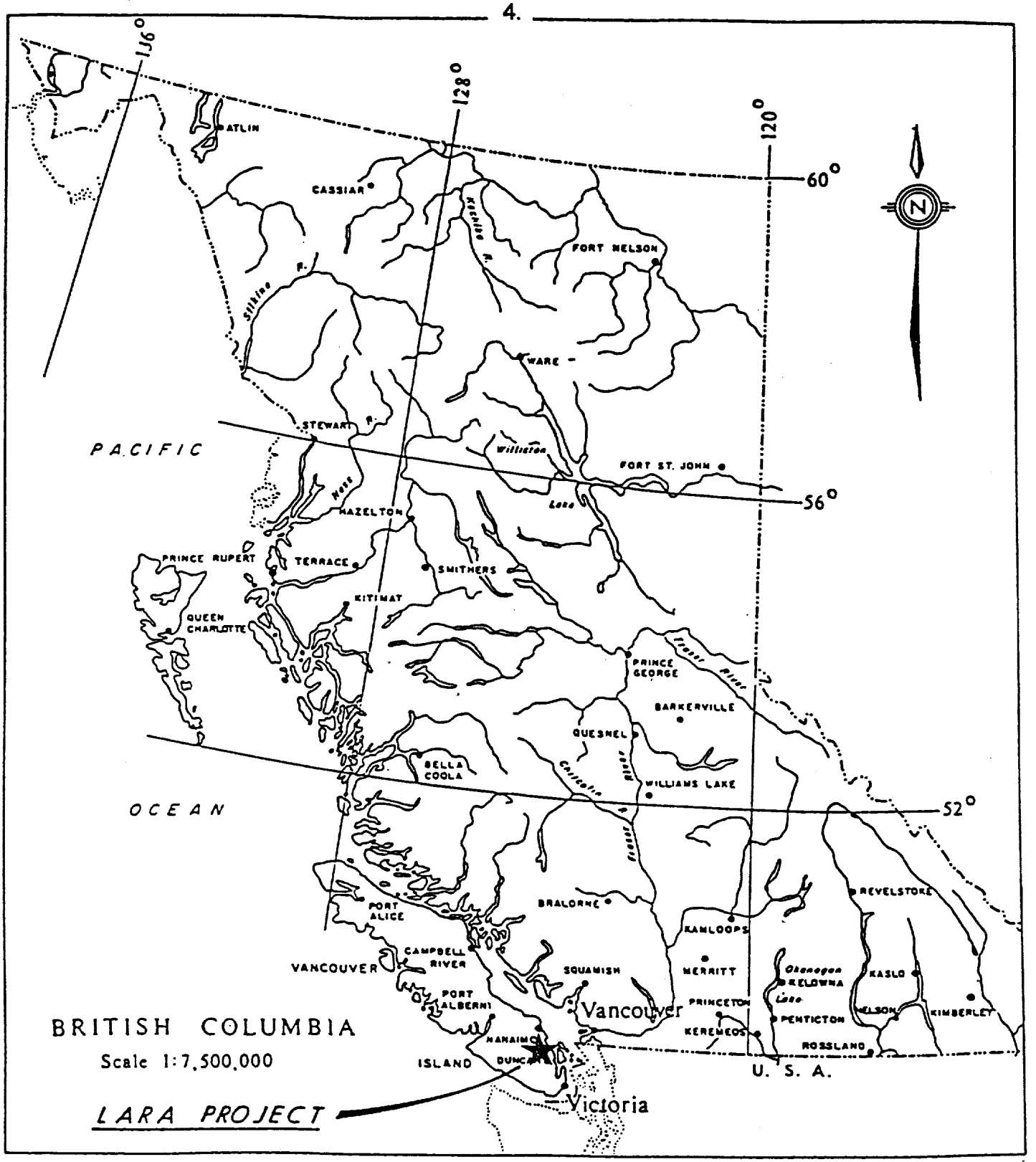
Introduction

The Laramide property known as the Lara Project is located in the southeast corner of Vancouver Island, 70 kilometres north of Victoria. The property is roughly 2.5 kilometres wide covering the Sicker Group volcanics which plays host to the past producing Mt. Sicker deposit to the east and having similar geological history to the Westmin's Mt. Buttle deposit. The Mt. Buttle massive sulphide deposits has reserves of better than 20 million tons grading 2.3% copper, 5.2 % zinc, 0.4 % lead, 34.5 g./ton silver and 2.5 g./ton in gold. In the Coronation and Coronation Extension zones, there exists a mineral resource of 538,000 tons averaging 1.01 % copper, 5.87% zinc, 1.22 % lead, 100.12 g./ton silver and 4.73 g./ton gold. With a renewed exploration program, we intend to develop a larger tonnage picture on the property and determine if an economic orebody can be found. The first phase tested two of the known zones (the Coronation and Coronation Extension) along geological strike using surface mapping, sampling, ground geophysics with a magnetometer and V.L.F.-Electromagnetic unit, and diamond drilling for 2550 metres of core.

Location and Access

The property is located on the southern tip of Vancouver Island, roughly 70 kilometres north of Victoria, B.C. (Fig.1). It lies12 kilometres east of Chemainus or 15 kilometres northwest of Duncan which are both on Hwy.1 which runs from Victoria to Nanaimo at Latitude 48 52' 30" North and 123 52' West on NTS sheet 92 B/13W.

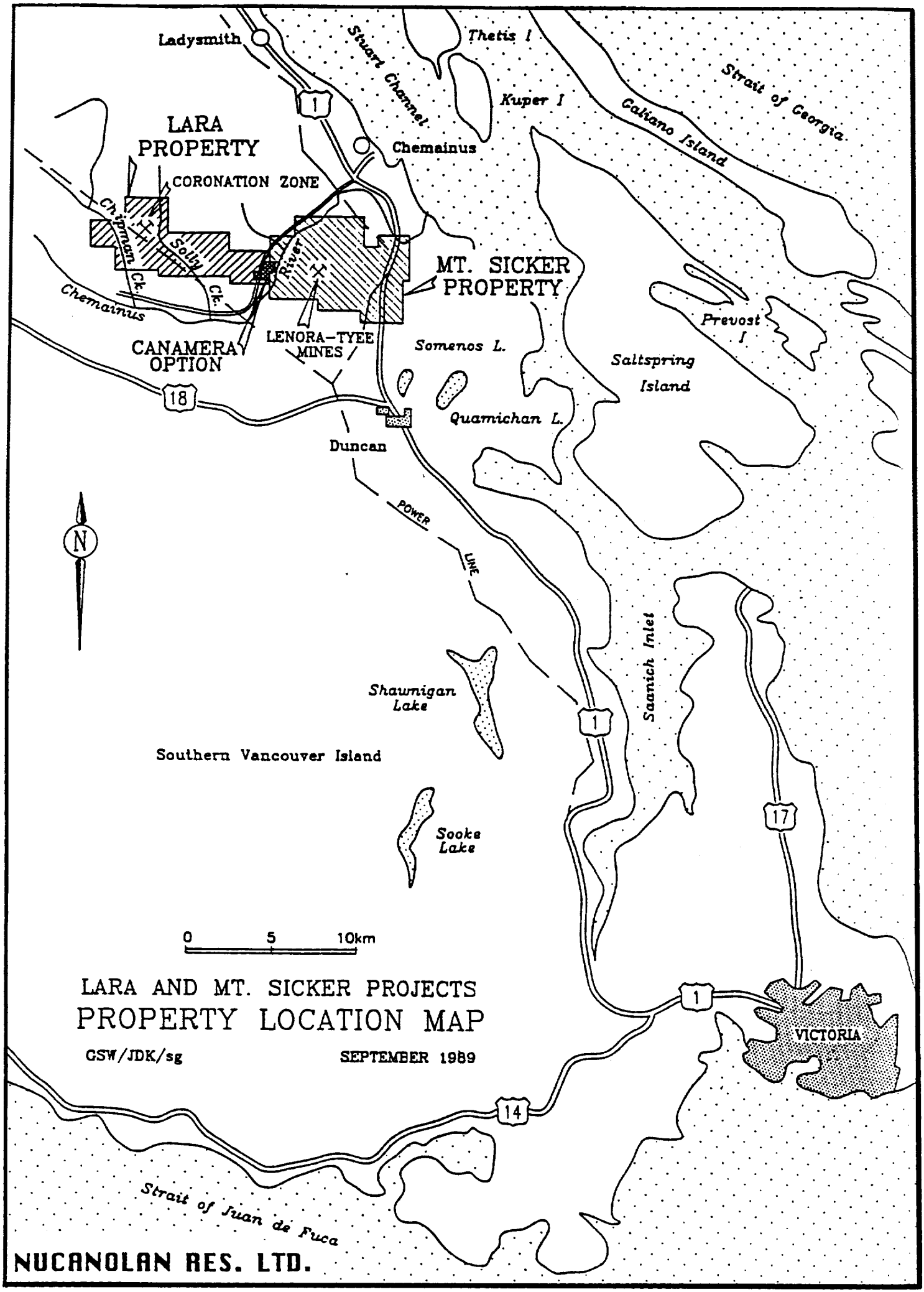
The property has good access from Chemainus, with a number of well developed secondary logging roads to many areas of the property. MacMillan



LOCATION PLAN

LARA VMS PROJECT
NUCANOLAN RESOURCES LTD. (NCRL- CDN.)

FIG. 1


Ladysmith
Stuart Channel
Thetis I
Kuper I
Strait of Georgia
Galiano Island
LARA
PROPERTY
CORONATION ZONE
Chemainus
Chipman Ck.
South Ck.
Chemainus River
MT. SICKER
PROPERTY
Chemainus
CANAMERA
OPTION
LENORA-TYEE
MINES
Somenos L.
Prevost I
Saltspring
Island
18
Quamichan L.
Duncan
POWER
LINE
N
Shawnigan
Lake
Saanich Inlet
Southern Vancouver Island
Sooke
Lake
17
0 5 10km
LARA AND MT. SICKER PROJECTS
PROPERTY LOCATION MAP
GSW/JDK/sg
SEPTEMBER 1989
VICTORIA
14
Strait of Juan de Fuca
NUCANOLAN RES. LTD.

Bloedel's Chemainus River Trunk Road can be accessed west from Chemainus to the property whereupon one takes a number of secondary logging roads at Mile 10, Mile 12, and C-7 to the powerline service road to reach diffderent parts of the claim group. One is advised to use a 4 X 4 vehicle due to the steep grades and rough terrain.

The topography is gentle to steep where creeks have deeply incised the terrain. A major B.C. power line transects the western side of the property in a northwest direction and road access is maintained along its right of way for repair crews.

The property straddles the southern flank of the Coronation mountains which include both Mount Brenton and Mount Hall. These range in elevation from 500 to 1000 metres above sea level. Much of the property has been logged by clearcutting methods over the past forty years with present vegetation consisting of secondary growth of spruce, balsam, fir and cedar with thick undergrowth cover.

Property Status

The property, under option from Laramide Resources Ltd., consists of 159 units made up of 14 full claims, 7 fractional claims and three reverted crown grants from the Victoria Mining Division of British Columbia. These are listed as follows:

Claim Name	Record No.	Units	Expiry Date
Group I			
Silver I	535	12	May 8, 2001
Silver II	536	9	May 8, 2001
Fang	534	20	May 8, 2001
Tooth	1377	5	Nov 7, 2001
Touche	1396	12	Jan 21, 2001
Cavity	1397	12	Jan 21, 2001
Susan (Lot 23G)	698	1	Oct 26, 2001
Klondyke (Lot 68G)	699	1	Oct 26, 2001
Tinto View (Lot 78G)	700	1	Oct 26, 2001
Solly	537	9	May 8, 2001
T.L.	538	20	May 8, 2001
Jennie	1112	4	Nov 18, 2001
Ugly	753	6	Feb 8, 2001
Wimp	754	2	Feb 8, 2001
Nero	755	1	Feb 8, 2001
Face	1402	12	Jan 23, 2001
Plant	1401	15	Jan 23, 2001
Cor 1-7 Fr.	1378-84	7	Nov 7, 2001

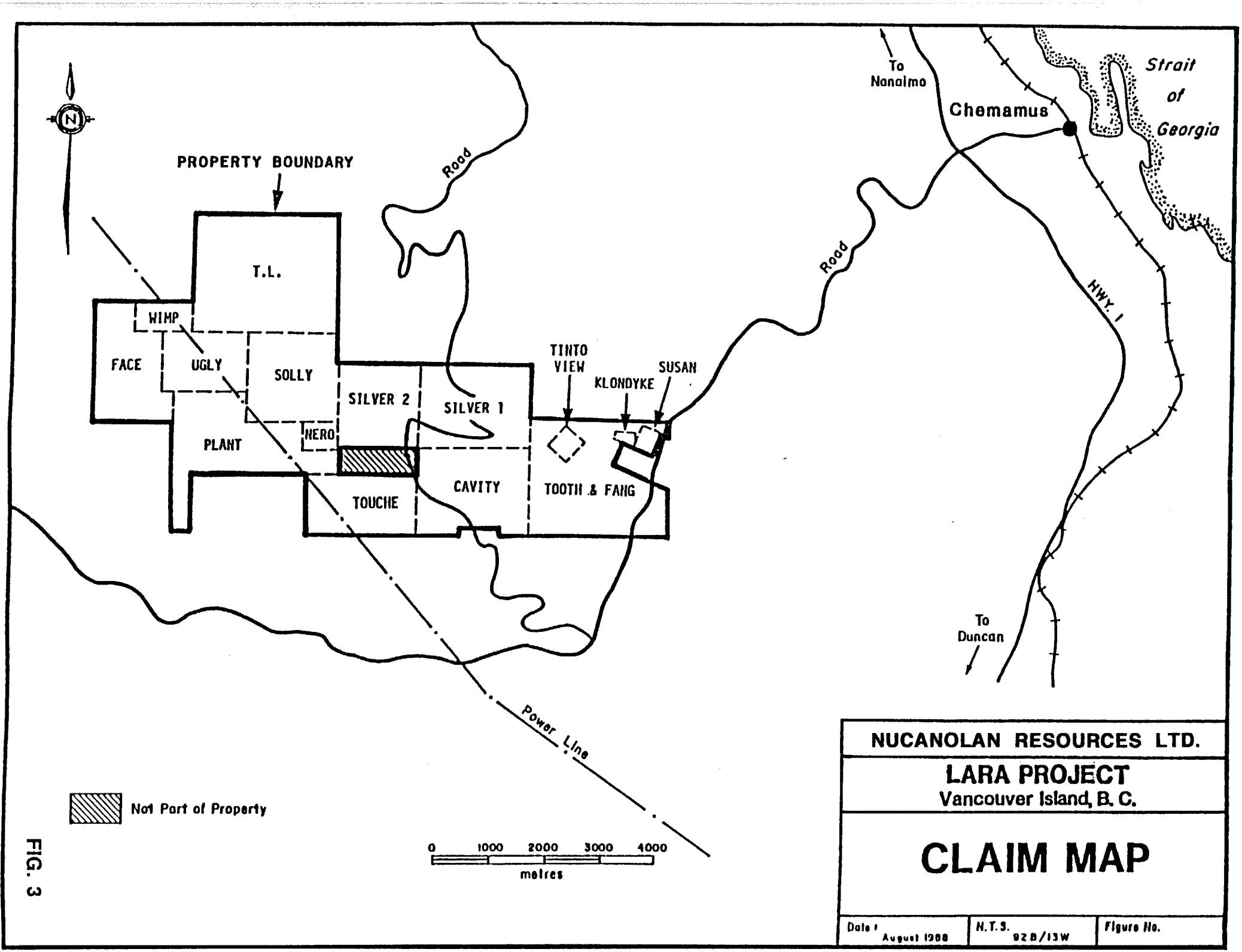


FIG. 3

NUCANOLAN RESOURCES LTD.

LARA PROJECT
Vancouver Island, B. C.

CLAIM MAP

Date	N.T.S.	Figure No.
August 1988	92 B/13W	

Work History

Not much is known of the property's work history prior to the staking of the ground by Laramide Resources in 1981.

In 1982, the property was optioned to Abermin Corporation who carried out linecutting, geological mapping and trenching, ground geophysics and soil geochemical surveys to cover the known anomalous areas. Four mineralized zones were indicated.

In 1983, eighteen backhoe trenches were placed over coincident geochemical and geophysical anomalies which revealed another thirteen mineral occurrences, defining five zones spanning at least three stratigraphic horizons.

In 1984, twelve diamond drill holes for a total of 1346 metres was drilled to test a number of targets from the above trenching and geological programs. The last hole of the program 84-12 (below Trench 83-35) intersected a true thickness of 7.95 metres of mineralization which returned values of 0.68% copper, 0.45 % lead, 3.01% zinc, 67.54 g. / ton in silver and 3.46 g./ ton in gold. This area was designated as the Coronation Zone. This program revealed five polymetallic mineral occurrences over what was later to be at least three stratigraphic horizons.

In 1985, sixty-one drill holes for a total 7437 metres was carried out to further test the Coronation zone for over 990 metres along strike and to a depth of 160 metres down-dip. One of the better holes, 85-40 intersected over 3.08 metres of sulphides which returned 1.16% copper, 2.53% lead, 9.22 % zinc, 8.6 g./ton silver and 0.213 o.p.t. gold in the Coronation Extension Zone.

In 1986, a further program of drilling was carried out to continue testing the Coronation Zone and other reconnaissance targets on the property. Seventy-five holes for 11,339 metres was completed and extended the Coronation Zone for a total of 2100 metres of strike length. Drill hole 86-43 and subsequent trenching revealed another high grade mineralized zone along the same trend carrying 3.04% copper, 43.01% zinc, 8.30 % lead, 513.60 g./ton silver and 24.58 g./ton in gold over a true width of 3.51 metres. This program defined another near surface high grade massive sulphide occurrence which was sub-economic. Geological mapping and sampling also resulted in the discovery of the Randy Zone which was later drill tested for a strike length of 740 metres. This defined a broad anomalous area roughly 150 metres thick containing up to six mineralized horizons from 0.1 to 2.60 metres thick containing spalerite, pyrite, chalcopyrite and tetrahedrite mineralization.

In 1987, further drilling increased the Coronation Zone mineralization, extended the Randy Zone to more than 2 kilometres of strike length and down-dip to 180 metres and tested several reconnaissance targets in other parts of the property. In this program, eighty-three holes were drilled for a total footage of 15,038 metres along with one backhoe trench over 87-44 located in the Coronation area. Ten of these holes delineated weak mineralization along a strike from the Randy Zone containing zinc but not economic in size. The reconnaissance drilling tested coincident geophysical and geochemical anomalies and geological targets, two of which (87-214 and 87-216) returned values of 1.02% zinc over 1.55 metres and 0.13% copper, 0.25% lead, 0.65% zinc for over 0.7 metres, respectively.

In 1988, the program was extended to include the potential of the Coronation Zone and included surface and underground drilling, mine cost studies, and a metallurgical test from a bulk sample of the main mineralized zone. Underground development work included 770 metres of ramping and drifting in the mineralization.

In 1989, 43 drill holes for a total of 10,328 meters was added in which 6457 metres further delineated the Coronation Zone and 3871 metres was used to test other zones and geophysical targets. At this point preliminary metallurgical and mineralogical studies by Mintec was completed on the Coronation zone. Other work included geological and lithological sampling, linecutting to extend the grid control lines and Magnetometer / V.L.F.- Electromagnetic and Induced Polarization geophysiscal surveys. Reclamation and a closure plan was also instituted for the Coronation Zone underground work at this time.

In 1990, a further 49 drill holes for anotherr 11,167 metres was completed on the property. Nineteen holes for 4139 metres tested the eastern extension of the Coronation mineralization, twenty-six holes for 6188 metres was drilled along the '262' Zone mineralization, and four holes for 840 metres drilled to test other reconnaissance targets. Further work included linecutting, humus and lithogeochemical sampling, Induced Polarization surveys and down-hole Pulse-Electromagnetic geophysics. At this time, the office in Chemainus was closed and all drill core was physically moved to the mine portal area, cross-stacked and secured.

From 1991 to 1994, a number of compilations, summaries and independent revues of the data were carried out by Laramide Resources, Falconbridge and Minnova Inc. to cover all the past work done on the property. A number of 1:10,000, 1:5,000 and 1:2,000 maps, cross-sections and longitudinal sections were generated for the main mineralized zones. Included was a complete inventory of the data and reports covering preliminary mineral inventory, resource and reserve calculations by three independent consulting companies, ore minerology for the Coronation Zone,

metallurgical testing on the ore for the Coronation Zone, recommended additional work by independent consultants Ivor Watson and Les Westervelt in 1992 and a Summary Report by G.R. Peatfield and R.W. Walker commissioned by Laramide Resources in 1994 (see references appended). During this time, the Falconbridge geological and drill hole data for their Chemainus properties and the Laramide Resources (Lara Group) data was compiled and digital files (Dbase) of all the drill hole was generated on both Autocad and Borsurv programs.

Regional Geology

Vancouver Island is underlain by a diverse assemblage of geological units and lithologies which in most part belong to Wrangellia which was accreted to the continental margin of North America during the Cretaceous period (Muller and Jones,1977). The Paleozoic Sicker Group of volcanics and sedimentary rocks are the oldest within this package and lies within discreet structural uplift episodes known as the Cowichan-Horne Lake, Buttle Lake, Tofino and Nanoose. The property lies within the southeastern most portion of the Cowichan-Horne Lake uplift (Fig. 3 & 4).

The Lara property is underlain by late Proterozoic Sicker Group volcanic rocks which include interbedded tuffaceous, carbonaceous and volcanoclastic sedimentary rocks. These units have been strongly deformed and regionally metamorphosed to the greenschist facies.

The Sicker Group rocks are exposed in three anticlinal structural uplifts as shown in Fig. 4 within the Cowichon-Horne Lake Uplift. The property lies within the southestern end of this uplift which extends from Saltspring Island to Port Alberni in the north. It has close similarities to the Buttle Lake uplift and attempts have been made to correlate the two especially with the presence of volcanic-hosted massive to semi-massive sulphides within both the McLaughlin Ridge Formation in the Cowichan-Horne Lake uplift and the Myra Formation of the Buttle Lake uplift.

Local Geology

The property is underlain by the Sicker Group volcanics within the Cowichan-Horne Lake uplift and has been sub-divided into five formations from youngest to oldest: Duck Lake, Nitinat, McLuaghlin Ridge, Fourth Lake, and Mount Mark Formations.

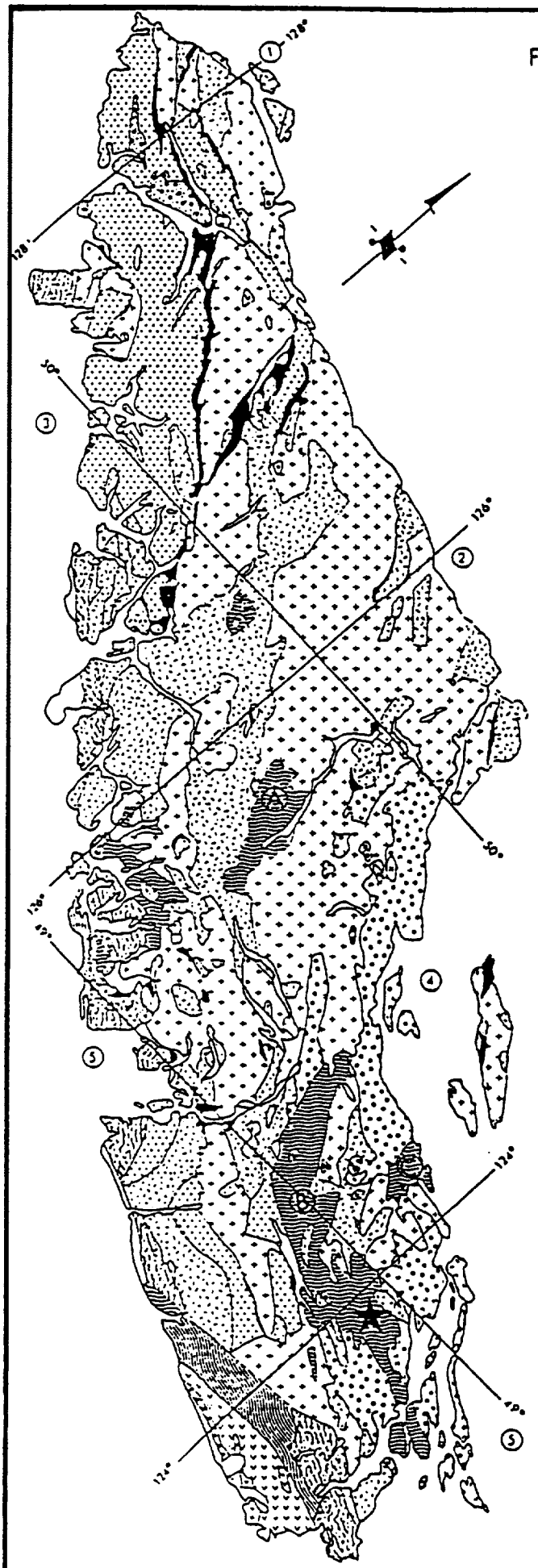


FIGURE 3 : Regional Geology (after Muller 1981)

Geological sketch map of Vancouver Island.

LEGEND

	CARMANAH GROUP	MIDDLE TERTIARY
	CATFACE INTRUSIONS	EARLY TO MIDDLE TERTIARY
	METCHOSIN VOLCANICS	EARLY TERTIARY
	NANAIMO GROUP	LATE CRETACEOUS
	QUEEN CHARLOTTE GROUP KYUQUOT GROUP	LATE JURASSIC TO EARLY CRETACEOUS
	LEECH RIVER FORMATION PACIFIC RIM COMPLEX	
	ISLAND INTRUSIONS	EARLY AND (?) MIDDLE JURASSIC
	BONANZA GROUP	EARLY JURASSIC
	VANCOUVER GROUP PARSON BAY FORMATION QUATSINO FORMATION KARMUTSEN FORMATION	LATE AND (?) MIDDLE TRIASSIC
	SICKER GROUP	PALEOZOIC
	METAMORPHIC COMPLEXES	JURASSIC AND OLDER

★ HOLYOAK-BRENT CLAIM GROUP

① ALERT BAY – CAPE SCOTT, 92 L – 102 I (G.S.C. PAPER 74–8)

② BUTE INLET, 92 K (IN PREPARATION), O.P. MAP 345

③ NOOTKA SOUND, 92 E (IN PREPARATION)

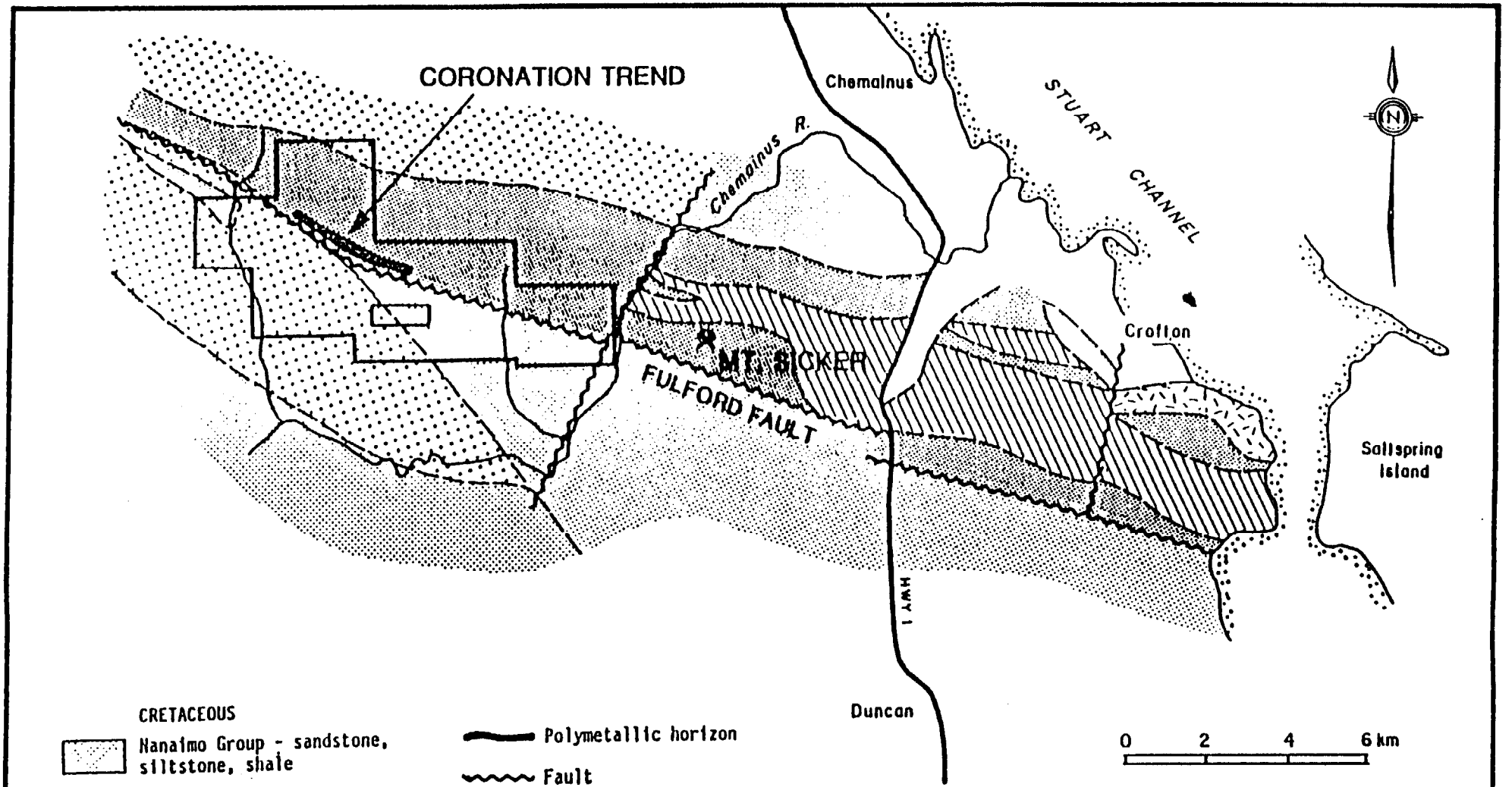
④ ALBERNI 92 F (G.S.C. PAPER 68–50)

⑤ VICTORIA, 92 B, C (FIELD WORK IN PROGRESS: SEE G.S.C. PAPERS 75–1A, p.21–26 : 76–1A, p. 107–111, 77–1A, p. 287–294.)

A — BUTTLE LAKE UPLIFT
B — COWICHAN–HORNE LAKE UPLIFT
C — NANOOSE UPLIFT

MILES
0 20 40

FIG. 4



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LARA PROJECT
Vancouver Island, B. C.

REGIONAL GEOLOGY-EASTERN PORTION OF THE HORNE LAKE -COWICHAN UPLIFT

Date	N.T.S.	Figure No.
August 1988	92B/13W	

FIG. 5

Table 1

LARA PROJECT

REGIONAL STRATIGRAPHY

Nanaimo Group (Cretaceous)
- conglomerate, sandstone, and fossil-bearing mudstone

----------unconformity----------

Buttle Lake Group (Mississippian to Permian)

Buttle Lake Formation
- Limestone, greywacke, argillite

Cameron River Formation (Sediment Sill Unit)
- turbiditic sandstone, siltstone, argillite, chert

----------unconformity (possible fault contact)----------

Sicker Group (late Devonian)

McLaughlin Ridge Formation (Myra Formation)
- andesite flows and breccias, rhyolite, and interbedded volcaniclastic sediments

Nitinat Formation
- mafic pyroclastics, commonly agglomeratic, with subordinate volcanic flows

The Duck Lake Formation is exposed in the northwest part of the Cowichan-Horne Lake uplift near Port Alberni and is comprised of interbedded sequences of variolitic pillowed to massive basalts (Massey,1989). It in turn is overlain by the Nitinat Formation composed of homogeneous sequences of mafic flows and pyroclastics from calc-alkalic to alkalic composition. This unit is overlain by the McLaughlin Ridge Formation composed of felsic, intermediate to mafic volcanics and metasediments. Related to this is the Saltspring dirorite intrusion, centred on Saltspring Island, composed of intermediate to mafic flows, pyroclastics and subvolcanic intrusive rocks having similar lithologies to the Nitinat Formation. The McLaughlin Ridge Formation was subsequently overlain by the Fourth Lake Formation which is predominantly epiclastic and are characterized by chemical sediments such as bedded cherts, argillites, siltstones and wackes. The uppermost formation is the Mount Mark Formation composed of massive to laminated crinoidal calcerinites and argillites and does not appear to outcrop on the subject's property (Massey and Friday,1987).

The Lara property itself is underlain by the McLaughlin Ridge Formation which has been thrust over the younger rocks of the Cameron River Formation and the Nanaimo Group along the Fulford fault. This fault dips 47 degree northeasterly and cross-cuts the volcanic units at a shallow angle.

The McLaughlin Ridge Formation volcanics has been locally intruded by gabbro and diorite sills as part of the Karmutsen Formation volcanics which was the result of late Triassic crustal dilation. These are sill-like intrusive bodies controlled by bedding and and foliation within the volcanics. These mafic flows strike generally west-northwesterly and dip at 60 to 75 degrees in the western half and at 30-35 degrees to the northeast in the eastern half of the property. On the property both the Sicker Group and Karmutsen intrusive units were uncorformably overlain by clastic sediments of the late cretaceous Nanaimo Group.

The felsic volcanics of the McLaughlin Ridge Formation appear to be the host unit for the Coronation, Anita, '262', '162' , Randy and Sharon massive sulphide occurrences.

Tectonically, southern Vancouver Island has undergone at least six periods of deformation (Massey and Friday, 1987) giving rise to a broad antiform structure with its axis west-northwesterly with younger units towards the west and plunging from 5 to 15 degrees to the west-northwest to east-southeast. The schistocity and cleavage is moderate to steeply dipping to the northeast.

Large scale west to northwesterly trending thrust faults cut the Cowichan-Horne Lake uplift into multiple slices and in turn these are transected by northeast trending block faults. The over thrusting of these faults have pushed the older units up over the younger units stratigraphically below them.

Table 2 (Fig.3) indicates the major geological units seen in this area.

The Sicker Group volcanics plays host to the mineralized occurrences observed on the property and have similarities to the Buttle Lake deposits (within the Myra Lake / McLaughlin Formations) presently being mined by Westmin Resources.

Economic Geology

The mapping on the property and adjoining Falconbridge groups was carried out over a ten year period from work done by Laramide Resources, Abermin Res., Falconbridge and Minnova (see Britten (1984), Everett and Cooper (1984), Enns and Hendrickson (1986), Mallilieu et al (1987) and Morrice (1989). In 1988, Dr. M.G. Morrice reviewed all the previous mapping and completed a property-wide compilation and interpretation on 1: 5,000 scale plans. Over the intervening years there were a number of summary reports using updated drill information. Generally, lithologies trend west-northwest, bedding attitudes vary from 20 degrees to steeply vertical with an overprinting of the schistocity which is often confused for bedding planes. The mineral plunge appears to be shallow to 20 degrees to the east within the plane of schistocity. A table of formations and general description of the geological units are found in the appendices of this report.

It appears that on first viewing that the post-metamorphic and post-deformational intrusive rocks are a very minor component of the rock units found in the drilling. They clearly cross-cut pre-existing schistocity and are undeformed and mainly unmineralized. The Karmutsen mafic intrusive rocks on the other hand occur from small one meter wide dikes and sills up to 400 metres in thickness and are traced over a 6.5 kilometre belt within the McLaughlin Ridge volcanics. They appear to be sill-like often intruding along lithological contacts with only localized cross-cutting of units. Their relationship to the sulphide emplacement is not clear and should be studied further along with the faulting, structural controls, and geological associations.

Of particular interest are the fine to coarse fragmental volcanics and extrusive rocks which have formed thick domes of rhyolite. Intercolated with these are the massive to finely disseminated sulphides, black argillites, siltstones, cherts, and barite observed within the 450 metre thick McLaughlin Ridge Formation. In the Buttle Lake area, this zone is known as the Mine sequence and compositionally ranges from

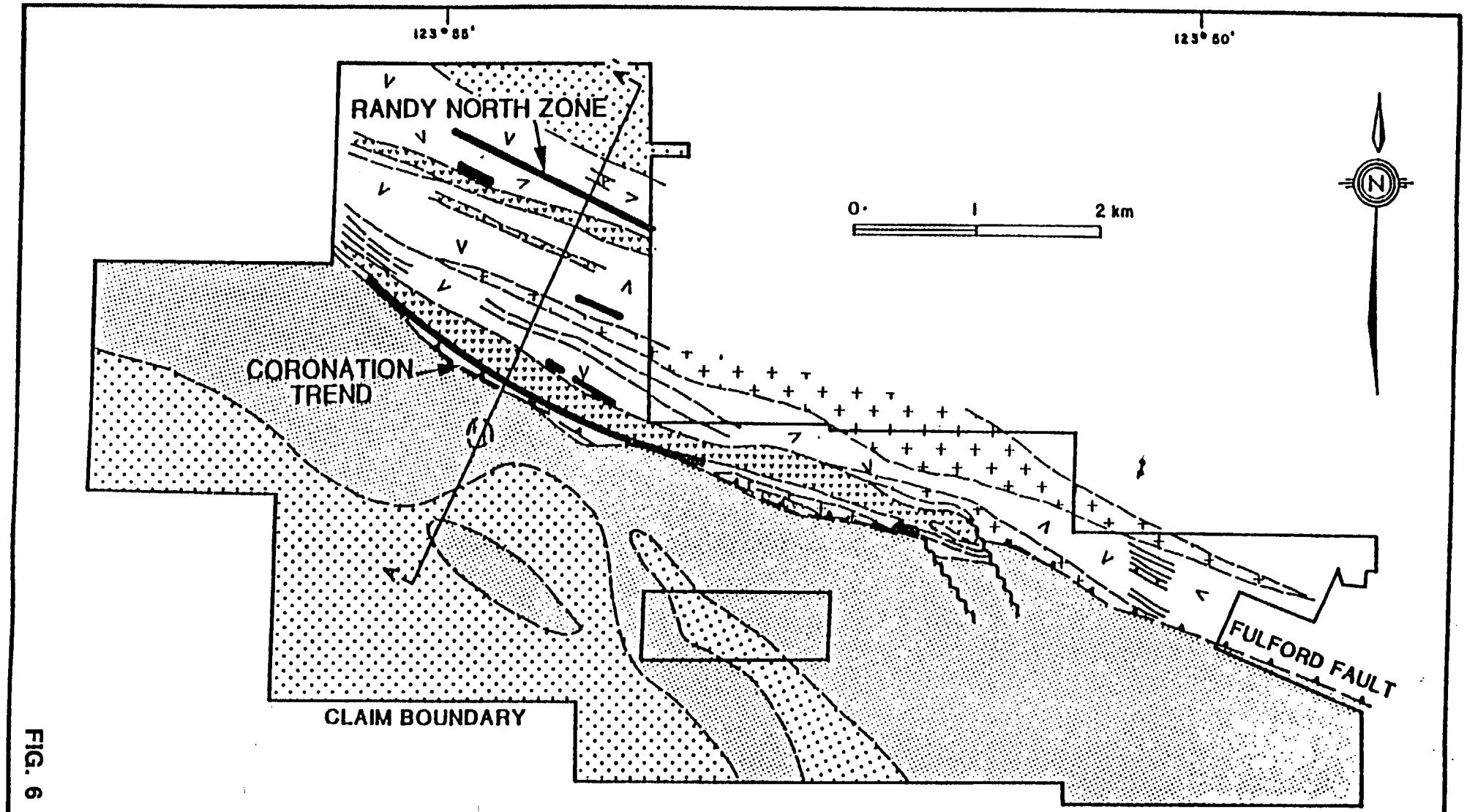

FIG. 6

CRETACEOUS
Nanaimo Group - sandstone, siltstone, shale

TRIASSIC
Karmutsen - Gabbro

MISSISSIPPIAN
Cameron River Formation

LATE DEVONIAN - SICKER GROUP
McLaughlin Ridge Formation

Felsic volcanics

Intermediate volcanics

Polymetallic horizon

Fault

Thrust Fault

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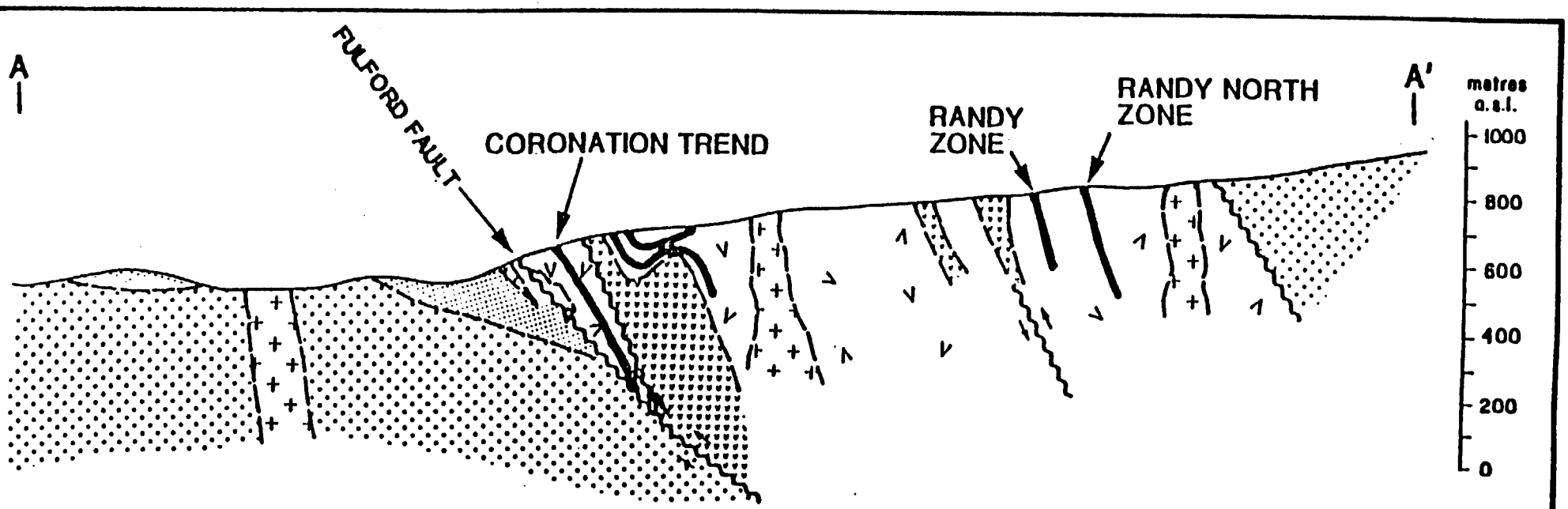
LARA PROJECT
Vancouver Island, B. C.

PROPERTY GEOLOGY

Date	N.T.S.	Figure No.
August 1988	92 B/13W	



CRETACEOUS

Nanaimo Group - sandstone, siltstone, shale

TRIASSIC

Karmutsen - Gabbro

MISSISSIPPIAN

Cameron River Formation

LATE DEVONIAN - SICKER GROUP
McLaughlin Ridge Formation

Felsic volcanics

Intermediate volcanics

Polymetallic horizon

Fault

0 400 800m

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LARA PROJECT
Vancouver Island, B. C.

SCHEMATIC GEOLOGICAL CROSS SECTION

Date: August 1988	N.T.S. 92 B/13W	Figure No.

FIG. 7

basalt to rhyolite with rapid lateral facies variations. It is also diffucult to follow laterally due to numerous offsets and down-faulting. The H-W zone in fact was not found until much later due to being offset from the known mineralization.

As seen in the drilling and from sampling the Coronation Zone, the sulphides appear to be generally stratabound within certain units, are more or less continuous although they vary in thickness in places, and are associated with the rhyolite volcanoclastic units along a flatly plunging northwest to southeast trending anticlinal structure. The sulphide beds are lensoidal in shape and consist of mainly pyrite, sphalerite, galena, chalcopyrite and barite with minor tennantite, bornite, silver, gold and pyrrhotite.

Historically, large polymetallic occurrences have been found within the Sicker Group volcanics as demonstrated by the Mt. Sicker deposit located 9 kilometres east of the Coronation Zone. This deposit was mined intermittently from 1898 to 1964 and produced over 305,787 tons averaging 3.3% copper, 0.13 o.p.t. gold, and 2.75 o.p.t.in silver. Zinc was also recovered but full records are not available. It has been reported that grades were approximately 5.2% zinc.

In view of the amount of drilling and geological information on the Lara and Falconbridge properties, previous work has given us a great deal of geological insight into a number of sulphide-rich horizons in which to carry out follow-up work. The local mineralized zones appear to be associated along trends from the Anita zone in the west to the Coronation, Coronation Extension, the '262' and eastward towards the Mt. Sicker deposit. Another mineralized zone occurs along a more northerly trend from the Lady 'C' Zone, the Randy North, the Silver Creek Zone, the '126' Zone, the Sharon Zone and on eastwardly to the Mt. Sicker Deposit.

It is along these trends and within certain volcanic sequences that we must concentrate future exploration work, taking into account the local and regional structural features and any new ideas as to the orogenesis for the mineralization.

The present reserves estimated for the Coronation and Coronation Extension Zones were calculated by Abermin resources from the 1987 drilling program using a combined polygonal method and a grade cut-off value. At $50 U.S. for gross metal prices, Laramide estimated that there is a reserve of 1,240,000 tons averaging 0.67% copper, 0.72% lead, 3.59% zinc, 1.98 ounces per ton of silver and 0.084 ounces per ton of gold. By 1988, Roscoe Postle and Associates had estimated that there was a total Probable and Possible reserve of 461,000 tons of ore using an $80 U.S. cut-off (see Table 3). Obviously grades fluctuate depending on the metal prices quoted and the mining widths used. It was noted that the distribution of the mineralization along the Coronation Trend was influenced by strong linear fabric which plunged at low

angles to the east and that resrves were calculated using contoured longitudinal sections of thickness and grade versus thickness for each metallic product in the ore.

The potential for finding more polymetallic mineralization is excellent and generally follows the Kuroko-type massive sulphide deposit model. The exploration parameters we will be following include the fact that the sulphides appear to be stratabound within an envelope of banded, laminated rhyolitic volcanic sequence, are related to rhyolite porphyry domal structures in close association with quiet extrusive activity (intercalated carbonaceous mudstones), and are proximal to major fault structures which may tend to localize hydrothermal solutions. There is also a close association of complex minerology which includes pyrite, chalcopyrite, sphalerite, galena, minor tetrahedrite and tennantite and their resemblance to other deposits in the area such the Mt. Buttle and Mt. Sicker deposits.

Volcanogenic massive sulphide deposits are generally associated with felsic volcanic centres and have a tendency to occur in clusters over several stratigraphic horizons. Only the Coronation Zone has been tested in any detail and there is ample room on the property for the discovery of other similar deposits. One must keep in mind the general foliation and schistocity directions and the fact that the Coronation mineralization apears to plunge in rod-like columns at 10 degrees to the southeast. The shape of any individual lenses will be influenced by both the primary shape of the depositional basin and the superimposed structural plunge.

There is a lot of room on the Lara Property for other Coronation Zone type mineralized bodies as shown by the subsequent drilling which subsequently identified the '262', '162', Silver Creek, Randy North and Sharon Zones. Additional follow-up drilling along any of these trends must take into account the fault structures and changes in easterly and westerly trending plunges over the whole property.

Conclusions

The geology and drillhole information compiled for the Lara property has identified a number of mineralized trends and massive sulphide zones which need to be further explored for their potential. These zones bear a close similarity to Westmin's Buttle Lake deposit and the Former Mt. Sicker mine to the east. A study of the historical background of these mines will assist in understanding the problems these operations had to overcome in bringing these deposits into producton. The successful exploration techniques they utilized will be needed to find other similar deposits on this property.

It is generally felt that these deposits have similar structural, lithological, and host statigraphy. The relationship between the rhyolitic fragmental rocks and the extrusive rhyolitic domes are similar; the ore mineralogy is similar (Cu-Pb-Zn-Ag-Au); the sulphides occur as massive lenses within a lesser banded sulphide envelope or stringer zone; and there is a rapid facies change laterally within the units as well as abrupt offsetting by faulting which cross-cuts the units at roughly ninety degrees.

In order to understand the complexity of the geology and mineralized zones, the data base for all the previous work on the Lara property has had to be compiled as well as information on the surrounding area and deposits having similar characteristics.

In order to trace these units laterally or the ore zones to depth, it was initially recommended that down-hole induced polarization be attempted where massive sulphide zones or even stringer zones were intersected in the previous drilling and where collars are still intact. This step was not carried out due to the limited exploration budget that Nucanolan Resources had for the 1998 field season.

The work that was carried out included geological reconnaissance mapping, prospecting, stream sediment and bedrock sampling, a study of previuos data and core samples, and a limited ground magnetic and electromagnetic survey to trace the lateral extent of the Coronation and Coronation Extension mineralized zones, and twelve diamond drill holes that were used to test the mineralization.

The results of the 1998 exploration work was very encouraging and the drilling returned a number of mineralized intersections that showed continuity of the mineralized zones and produced values that were higher and of greater value than were previously intersected (Fig. 8+9 - Append.).

The best intersection was encountered in Hole 98-05 where a length 4.54 metres returned values of 3.86% zinc, 0.5% copper, and 1.01 gms. per tonne in gold.

Another 0.7 metre section in Hole 98-09 assayed as high as 8.09 gms./ ton in gold, 225 gms./ tonne in silver, 1.42% in copper, 5.38% in lead, and 32.3% in zinc. The total mineralized portion of this intercept ran 2.3 gms./ tonne in gold, 49.8 gms./ tonne in silver, 2.48% in copper, 1.19% in lead, and 12.3% in zinc across a core length of 3.16 metres.

The geological reconnaissance work determined that there were enough structural controls and alteration mineralization to indicate emplacement of mineralization from secondary sources through hydrothermal processes. The primary structures are still present as sedimentary hosted VMS sulphides as regular bedded units which remain consistent along strike, but also appear to be upgraded or influenced by the cross-cutting fault structures and possibly by late stage mafic or diorite intrusions during the Jurassic or Carboniferous age.

The Magnetometer and V.L.F.- Electromagnetic surveys were used to delineate the zones along strike as a field tool to place the drilling where it would intersect the mineralization. The use of these instruments was limited but should be used whenever the program is continued. It is reliable and tends to outline the conductivity of the sulphide mineralization which we suspect sub-crops over most of the property in areas where the overburden is overly deep. It would have been nice to use the Down-Hole Pulse method of Electromagnetics to determine the lateral and down-hole extent of the known mineralization but unfortunately the budget was not available to us at this time.

Recommendations

The next phase of the exploration program for the Lara property should include a complete program of data compilation and digitizing the information for an electronic data base, down-hole induced polarization and Pulse E.M. surveys, detailed mapping and sampling over a portion of the Coronation and Coronation Extension zones, detailed ground geophysics covering the extension of these zones, and a complete geological interpretation of all the available data before further diamond drilling is carried out. At this time, an approach should also be made to option the Falconbridge ground in anticipation of carrying out a more extensive drilling program over the three properties. If any economic deposits are found, the addition of this ground will ensure a buffer zone and provide a larger area of mineralized potential as there are known mineralized zones occurring on these properties which extend off the Laramide property.

The reconnaissance was carried out by Nucanolan Resources field personnel and the recommendations for a second phase is contingent on raising further exploration funds to cover the work program. The second phase will include a much larger drill program. A cost breakdown will be submitted at a later date once the final parameters are discussed and the results from the first phase are fully tabulated.

It is important to continue the program since several sub-parallel zones of mineralization have been delineated on the property and values appear to be consistent along strike in both cases. A portal has been faced and a bulk sample has been taken from the main Coronation Zone to determine the metallurgical parameters of the ore. If larger tonnages or higher grade material can be found in close proximity to this known mineralization, the economic parameters of the Coronation Zone will change, bringing this deposit into production very quickly. On the other hand, if world market prices go up in any or all of the commodities listed in the mineral inventory, this would also reflect positively on it's economics viability.

Concord, Ont.
Feb. 22, 1999.

Respectfully submitted,
John C. Archibald, Bsc. Geologist

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LARA AND CHEMAINUS

GOLD-BASEMETAL PROPERTIES

Nov, 1994
93B.13W
93C.16E

VICTORIA MINING DIVISION, BC, CANADA

SELECTED REFERENCES TO SUMMARY REPORTS

There is a very large inventory of data for the Lara and Chemainus properties that is available for inspection. The following summary reports cover geology, reserves, metallurgy and mineralogy. These are backed up by a comprehensive set of plans, cross sections and more detailed reports. All of the data for 454 drill holes is filed electronically. The large volume of detail on geophysics and geochemistry is not included in the summary reports; however, maps and reports covering magnetic, electromagnetic, and induced polarization surveys as well as geochemical surveys are available. A comprehensive report on the Coronation Zone underground program was not produced; however, all of the records of this work are stored on Microfiche and an assay plan summary is available for inspection at this time.

1. January 9, 1991 - 1990 Exploration - Lara Property
   by Wells and Kapusta for Minnova Inc.
   Describes 1990 drilling and outlines the potential of the 262 horizon.

2. April, 1991 - Project Summary
   Chemainus Project (#116)
   by R. Stewart, Falconbridge
   Describes: - work to date,
   and mineralized zones.
   1:10,000 Scale Geology Map (2 parts)
   1:5,000 Scale Longitudinal of Anita.

3. August 26, 1988 - Report on the Lara Project for Laramide
   by W. Roscoe, Roscoe Postle Associates
   Describes: - geology, history, claims, mineralization, mining and metallurgy
   Contains a comprehensive set of diagrams and estimates reserves.

4. April 28, 1989 - Preliminary Mineral Inventory Report
   by Kapusta & Wells, Minnova
   - Estimates reserves
   - Page sized location and geology maps
   - 1:000 scale longitudinal section of Coronation Zone
   - 1:500 scale longitudinal section of Coronation Zone.

5. January, 1988 - Lara Project Reserve calculations
by D.W. Blackadar for Abermin Corp.
- includes eight longitudinal diagrams.

6. October, 1989 - Ore Mineralogy of Coronation
and Coronation Extension zones
by Minscan Consultants Ltd.
includes coloured photo micrographs.

7. July 7, 1987 - Exploratory Metallurgical test work
- Lara Property
by Coastech Research Inc.
Describes:- preliminary grinding and
flotation tests.

8. Dec. 3, 1987 - The Lara Polymetallic Massive Sulphide
Deposit, Vancouver Island, B.C.
- Describes the geology of Lara property
and Coronation zone.

9. Feb. 1994 - Geological Report, Cowichan
Uplift Polymetalic Mineral Property,
by G.R. Peatfield & R.W. Walker

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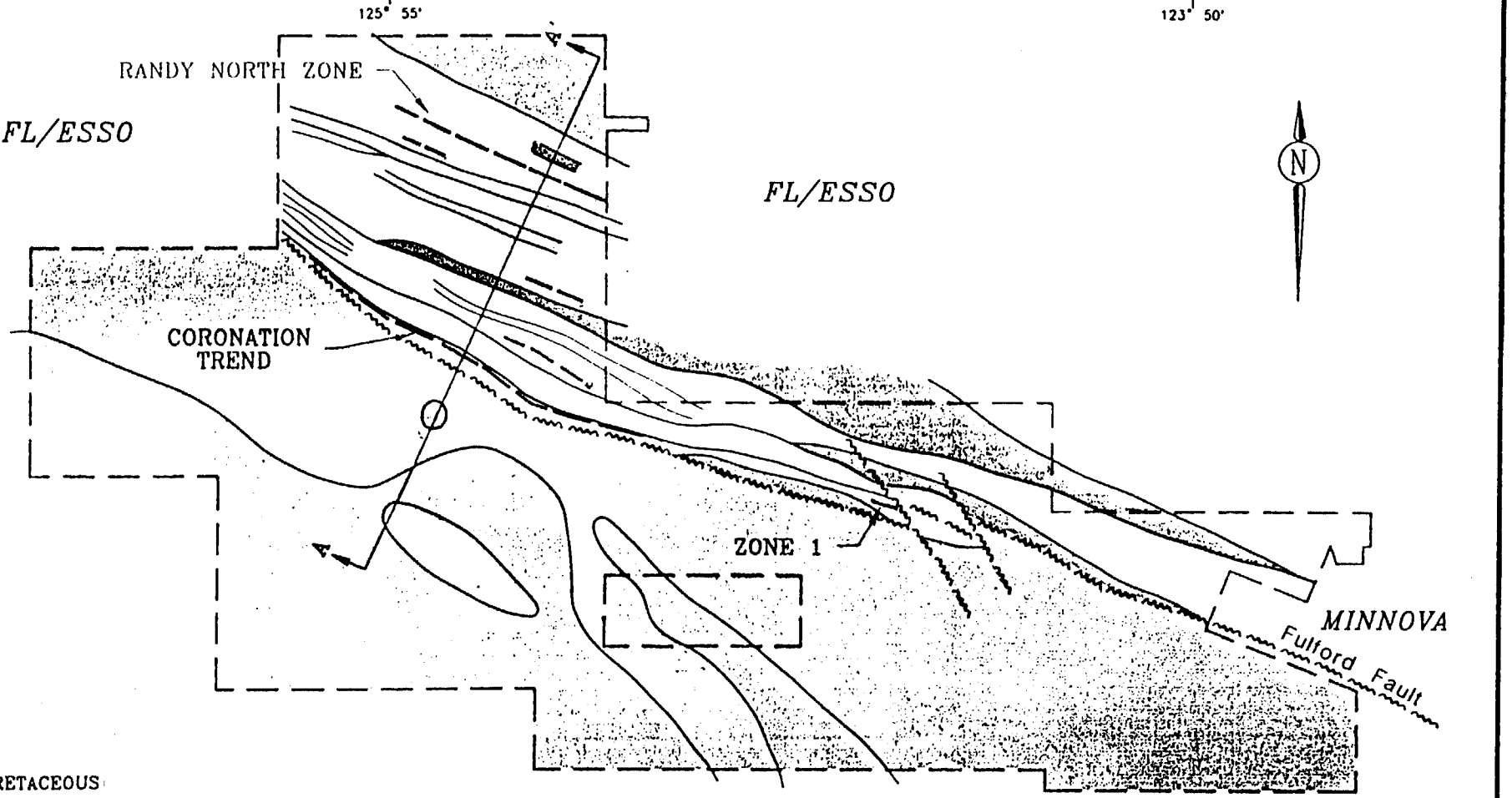
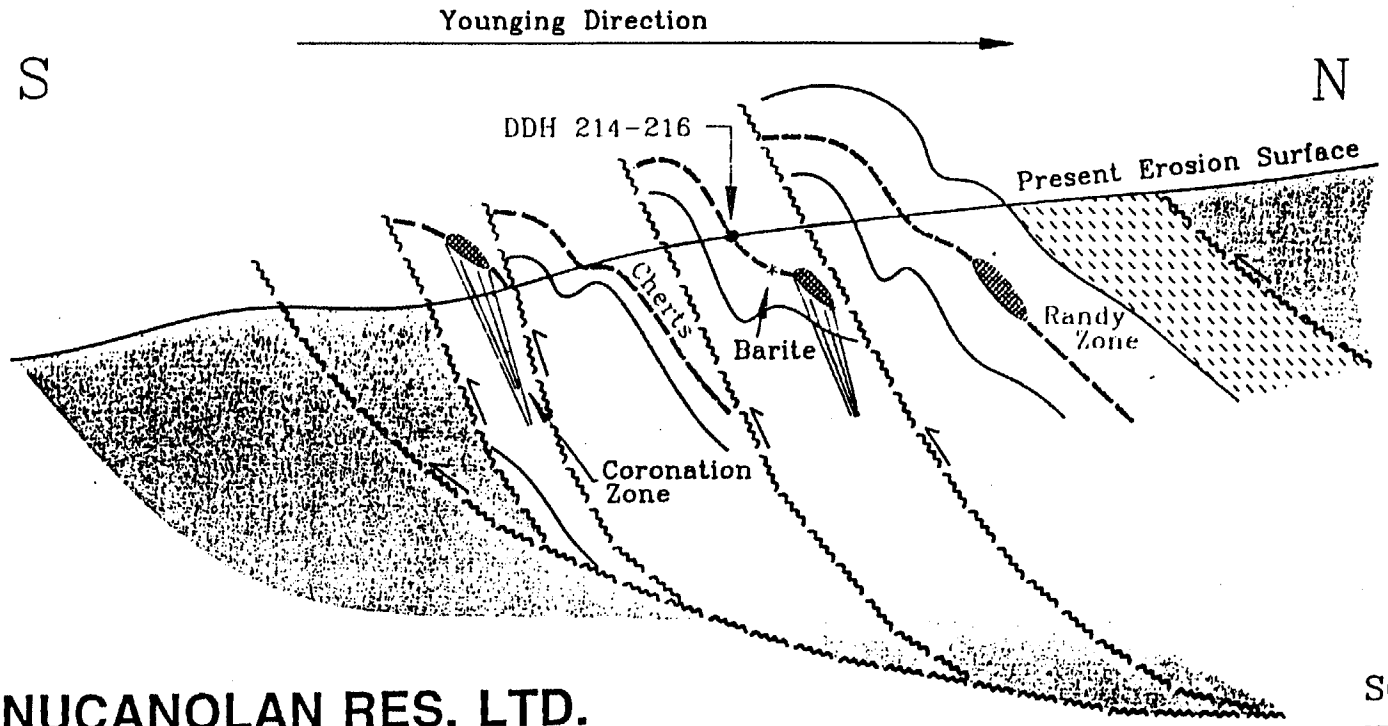


PLATE 3

NUCANOLAN RESOURCES LTD.

LARA PROJECT
SCHEMATIC GEOLOGICAL MAP

GSW/sg NTS 92B/13W OCTOBER 1988



ROCK TYPES

- Nanaimo Sediments
- Cameron River Sediments
- Sicker Volcanogenic Sediments
- Sicker Felsic Volcanics
- Sicker Andesitic Volcanics
- Volcanogenic Massive Sulphides
- Stringer Zones

LARA PROJECT

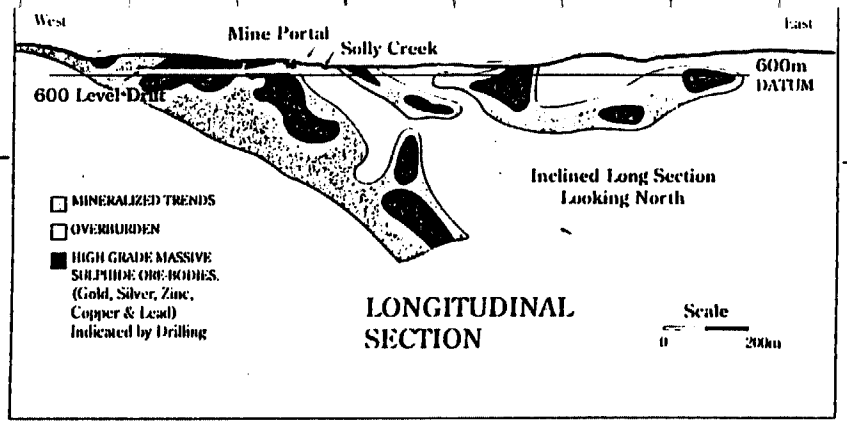
SCHEMATIC CROSS-SECTION

GSW/sg SEPTEMBER 1989

NUCANOLAN RES. LTD.

PLATE 4

FILE: D:\DWG\SCHMSLD
FILE: D:\DWG\LARSCHM



A

SW

A'

NE

1000m
800m
600m
400m
200m
00m

RANDY ZONE

RANDY NORTH ZONE

CORONATION TREND

Fulford Fault

?

CRETACEOUS

Nanaimo Group–sandstone, siltstone, shale

TRIASSIC

Karmutsen–Grabbro

MISSISSIPPIAN

Cameron River Formation

LATE DEVONIAN–SICKER GROUP
McLaughlin Ridge Formation

Felsic Volanics

Intermediate Volcanics

Mineralized Zone

Unconformity

Fault

1000 metres

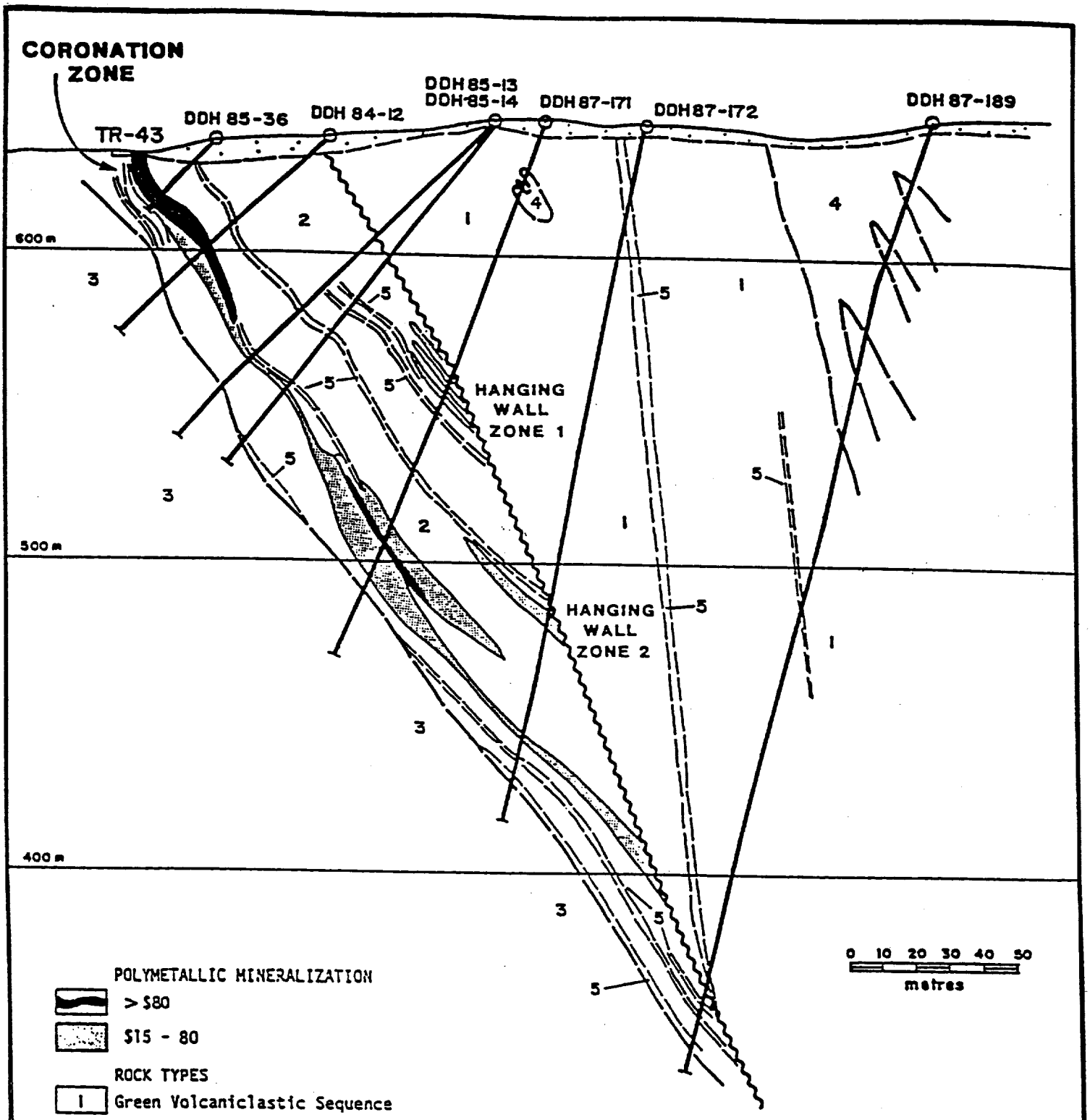
NUCANOLAN RES. LTD.

LARA PROJECT

SCHEMATIC GEOLOGICAL CROSS SECTION A–A'

GSW/sg NTS 92B/13W OCTOBER 1988

PLATE 5



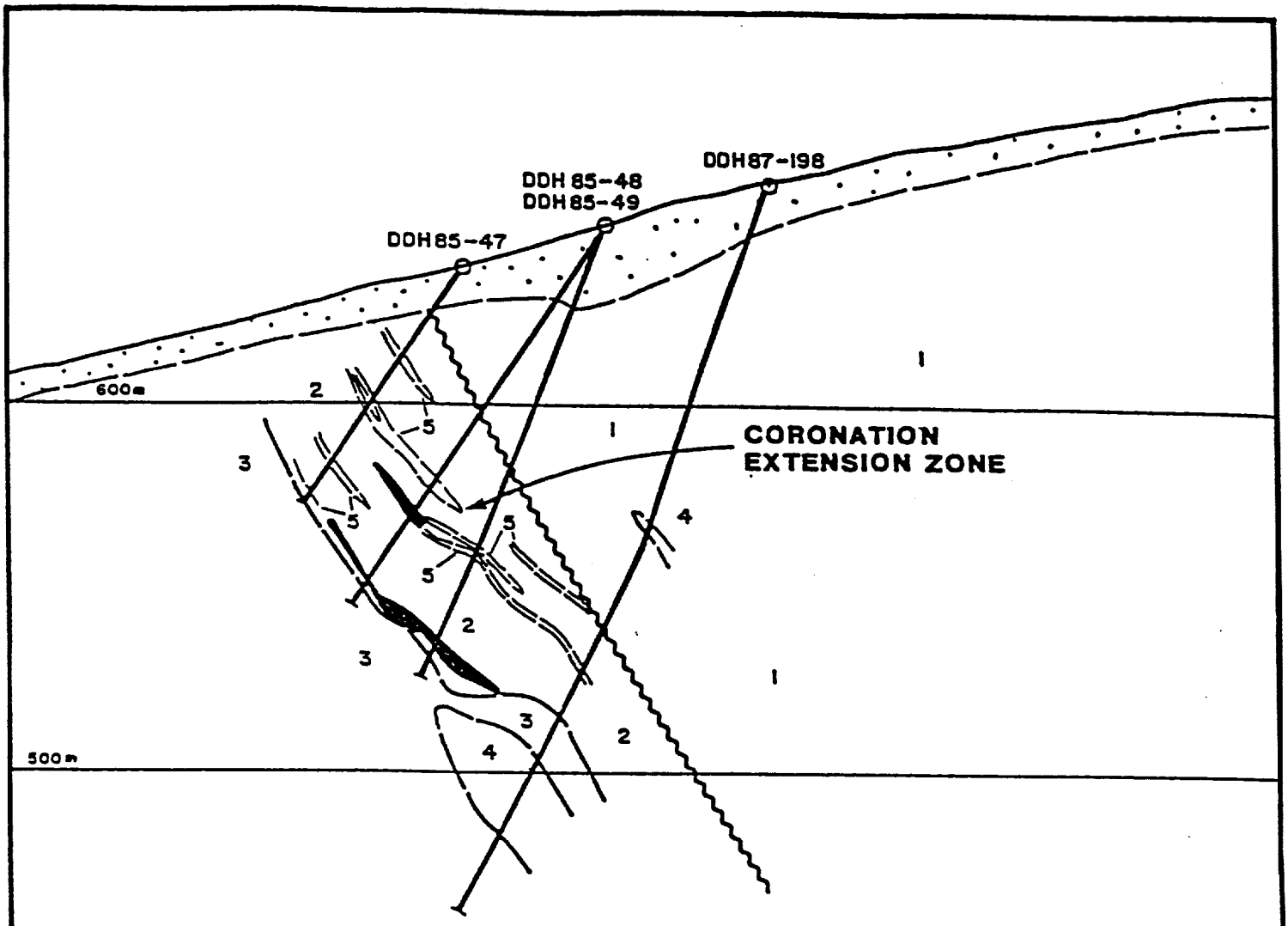
LARAMIDE RESOURCES LTD

LARA PROJECT
Vancouver Island, B. C.

GEOLOGIC CROSS SECTION 11

Date: August 1988	N.T.S. 92 B/13W	Figure No. 6

PLATE 6



POLYMETALLIC MINERALIZATION

- > $80
- $15 - 80

ROCK TYPES

1. Green Volcaniclastic Sequence
2. Member 1 Rhyolite Sequence
3. Footwall Rhyolite Sequence
4. Diorite
5. Mudstone

Fault

Contact

0 10 20 30 40 50
metres

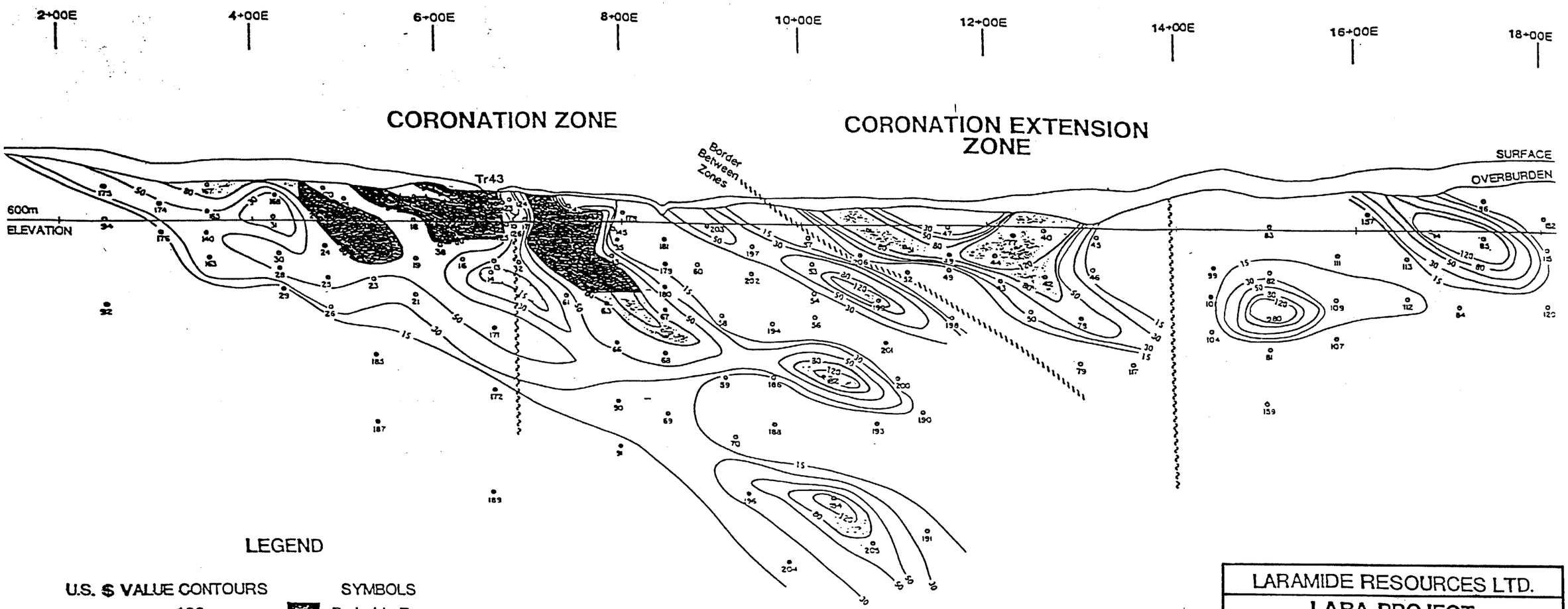
LARAMIDE RESOURCES LTD

LARA PROJECT
Vancouver Island, B. C.

GEOLOGIC CROSS SECTION 23

Date : August 1988	N.T.S. 92B/13W	Figure No.

PLATE 7



LEGEND

U.S. $ VALUE CONTOURS

Cutoff Grade
- 120
- 80
- 50
- 30
- 15

SYMBOLS

- Probable Reserves
- Possible Reserves
- Fault Trace
- Diamond Drill Hole & Number (e.g. 172)

LARAMIDE RESOURCES LTD.		
LARA PROJECT Vancouver Island, B. C.		
60° INCLINED LONGITUDINAL SECTION		
Date: Sept 1987	N.T.S. 92B/13W	Figure No. 8

Plate 8

NUCANOLAN RESOURCES LTD - 1998 LARA PROJECT - DIAMOND DRILLING SUMMARY

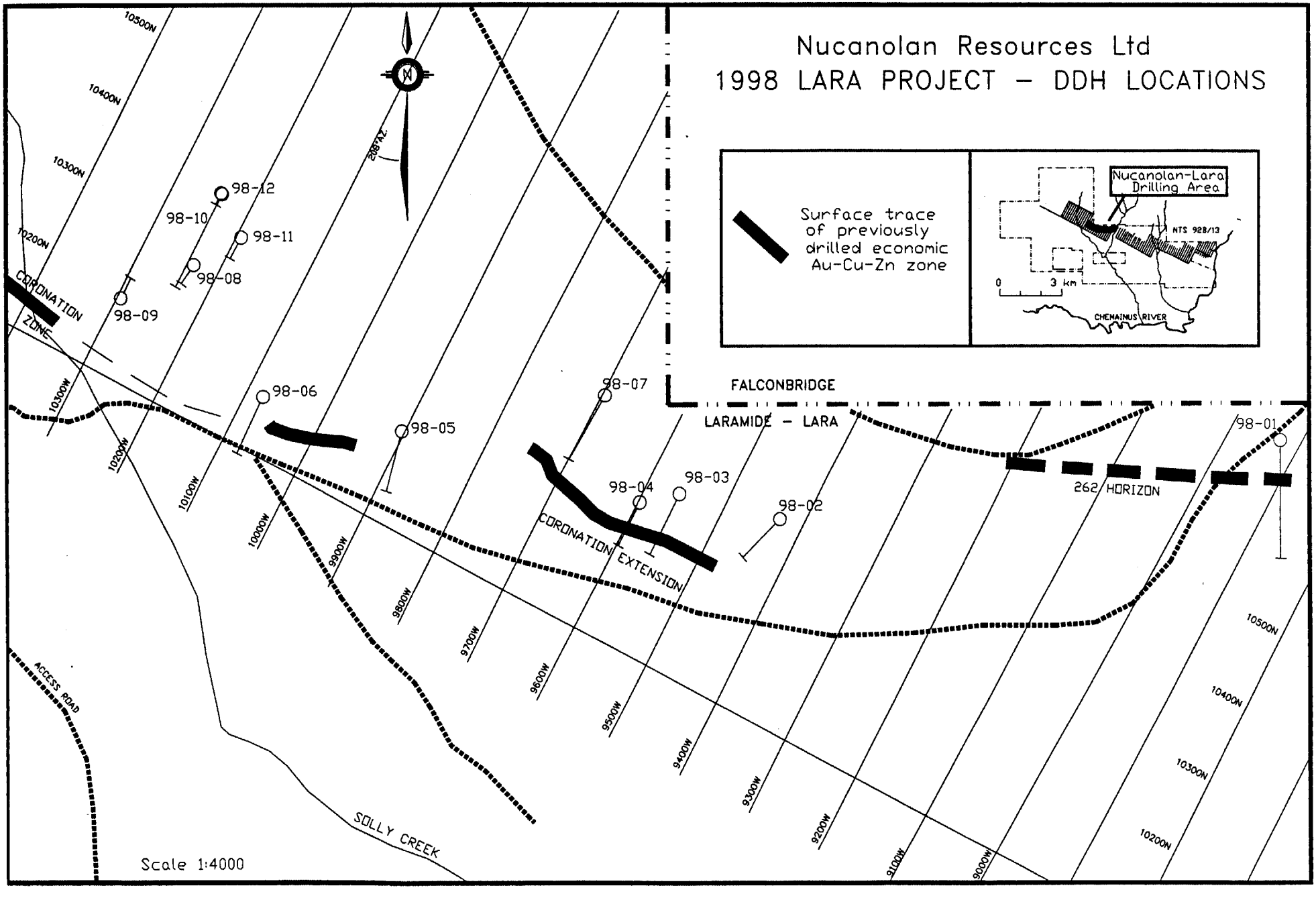
Hole No.	Location	Azimuth	Dip	Ov. m	Total Depth m	
98-01	Rd. 34m north & 51m east of 89-262	180	-45	15.8	199.84	Target: Intersection to confirm and extend 89-262 mineralization
98-02	Rd, 2m east of 87-152	228	-70	18.9	180.4	Target: Easterly downplunging extension of hole 85-1.5%Cu,9. 4% Zn, 5.55 g/t Au
98-03	Rd, 30m east of 87-114	208 GdS	-45	49.92	117.65	Target: Up-plunge extension of hole 85 mineral'n (see above)
98-04	Rd;96W & 103N, 40m east of 87-157	208 GdS	-55	15.24	99.36	Target: Up-plunge extension of hole 114 mineral'n, part of hole 85 zone
98-05	Rd;30m east of holes 41,42	195	-50	34.1	120.7	Target: Easterly extension of MSSX zone in holes 40,42 (1.14%Cu, 2.5-8.9%Zn, 3-7.3 g/t Au)
98-06	Rd; adjacent to 85-47	205	-45	17	108.5	Target: Westerly extension of MSSX zones as above hole -05
98-07	Rd; on L97W, SE of hole 80, 81,82	208 GdS	-60	6.4	178.6	Target: Easterly downplunge extension of MSSX zone in hole 80 (1.2%Cu,5.6%Zn, 4.25 g/t A
98-08	Rd; 102+33W, 102+34N	213	-82	4.3	181.66	Target: Extension of auriferous MSSX in DDH 87-182 and 90-241(east limit of Coronation Zo
98-09	Rd; 102+95W, 101+95N	28, GdN	-83	4.3	184.7	Target: Continuity of auriferous MSSX on east down-plunge, down-dip on Coronation Zone
98-10	Rd; 102+40W, 103+70N	208, GdS	-70	2.15	382.82	Target:Continuity of auriferous MSSX between DDH 87-182 & 184 (Coronation Zone down-pl
98-11	87-193 site; 101+95W, 103+32N	205	-82	1.22	346.25	Target: East lateral extension of auriferous MSSX, Coronation Zone down-plunge
98-12	87-184 site; 102+42W, 103+70N	208	-84	1.7	449.88	Target: Deep downdip extension of auriferous MSSX in Coronation Zone down-plunge (87-18
					2550.36 m	TOTAL DRILLED METRES

Fig. 8

Nucanolan Resources Ltd - Signficant Results, 1998 Lara Project Diamond Drilling

DDH No.	From(m)	To (m)	Interval (m)	SAMPLE NUMBER	Au ppb	Au g/t	Ag ppm	Ag g/t	As ppm	Cu ppm	Cu %	Pb ppm	Pb %	Zn ppm	Zn %
9801	20.09	21.18	1.09	340011	55		1.6		24	2060		242		2980	
9801	37.15	38.41	1.26	340012	35		1.2		8	1070		12		1120	
9801	94.62	95.62	1	340017	35		1.2		20	1505		86		270	
9801	95.62	96.61	0.99	340018	15		0.4		4	1060		14		592	
9801	96.61	98	1.39	340019	40		1.2		10	3630	0.38	<2		192	
9801	159.65	160.5	0.85	340025	10		<.2		8	1035		<2		66	
9805	77.52	78.29	0.77	340073	410		2.2		44	121		318		1620	
9805	98.44	99.3	0.86	340078	1320	1.54	>100.0	138	1850	6310	0.7	>10000	1.3	>10000	9.17
9805	99.3	100.24	0.94	340079	1640	1.23	36.4		306	4760	0.54	702		>10000	5.12
9805	100.24	101.35	1.11	340080	1180	1.23	18.4		62	6420	0.66	440		6270	0.59
9805	101.35	102	0.65	340081	665		17.6		170	1520	0.16	1310		>10000	1.4
9805	102	102.98	0.98	340082	370		21.2		92	3970	0.42	2530		>10000	3.02
9807	74.46	75.22	0.76	340040	140		1.8		24	3440	0.36	<2		176	
9807	80.55	81.39	0.84	340033	20		1.4		6	5280	0.54	<2		184	
9807	84.69	85.92	1.23	340034	30		0.8		16	2780		<2		212	
9809	140.2	140.9	0.7	340045	8710	8.09	>100.0	225	486	>10000	1.42	>10000	5.38	>10000	32.3
9809	140.9	141.55	0.65	340046	815		53.8		80	>10000	4.09	582		>10000	12.75
9809	141.6	142.32	0.63	340047	2510	1.92	39.2		112	>10000	3.01	196		>10000	10.35
9809	142.3	143.36	1.04	340048	690		22.2		18	>10000	1.8	32		1095	
9809	147.92	148.6	0.68	340049	1505	2.19	>100.0	144	310	>10000	5.39	<2		>10000	1.13
9810	61.97	62.55	0.58	340107	285		6		74	9770		12		230	
9810	80.9	81.46	0.56	340108	50		1.8		60	2960		<2		168	
9811	144.79	145.08	0.29	340101	20		0.8		20	3690		<2		74	
9811	280.5	281.4	0.91	340102	125		5.6		1970	>10000		<2		236	
9811	286	286.8	0.8	340103	35		2.6		7890	>10000		<2		102	
9811	286.8	287.52	0.72	340104	80		2		>10000	6940		<2		120	
9811	287.52	288.52	1	340105	70		2.4		>10000	8210		<2		116	
9811	288.52	289.27	0.75	340106	55		1		7390	4230		<2		96	
9812	119	120.05	1.05	340088	300		3.4		28	6640		8		192	
9812	159.37	160.32	0.92	340089	60		1.6		20	3450		2		352	
9812	160.21	161.24	1.03	340109	35		0.8		38	1760		<2		116	
9812	162.86	163.81	0.95	340111	70		2		54	6860		4		102	
9812	211.48	212.04	0.56	340090	65		1.8		14	4470		<2		236	
9812	363.4	363.67	0.27	340094	20		0.8		8	2690		<2		114	
9812	368.63	369.41	0.78	340095	70		1.2		2	2480		<2		46	
9812	388.31	389.12	0.81	340096	45		1		672	2890		<2		170	
9812	389.12	389.68	0.56	340097	110		2.4		2620	7870		<2		260	
9812	389.68	391.22	1.54	340098	10		0.8		134	3370		<2		54	
9812	391.22	391.83	0.61	340099	30		1.2		56	4930		<2		90	
9812	395.1	395.84	0.74	340100	15		0.6		3470	3890		<2		50	

Fig. 9


Nucanolan Resources Ltd
1998 LARA PROJECT – DDH LOCATIONS
Surface trace of previously drilled economic Au-Cu-Zn zone
Nucanolan-Lara Drilling Area
NTS 92B/13
0
3 km
CHEMAINUS RIVER
FALCONBRIDGE
LARAMIDE – LARA
CORONATION ZONE
CORONATION EXTENSION
262 HORIZON
98-01
98-02
98-03
98-04
98-05
98-06
98-07
98-08
98-09
98-10
98-11
98-12
208°AZ
10500N
10400N
10300N
10200N
10300W
10200W
10100W
10000W
9900W
9800W
9700W
9600W
9500W
9400W
9300W
9200W
9100W
9000W
ACCESS ROAD
SOLLY CREEK
Scale 1:4000

ASSAY SUMMARY - Most Significant Elements

DDH No.	From(m)	To (m)	Interval (m)	SAMPLE NUMBER	Au ppb	Au g/t	Ag ppm	Ag g/t	As ppm	Ba ppm	Cd ppm	Cu ppm	Cu %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	Pb %	Sb ppm	Zn ppm	Zn %
9601	20.09	21.18	1.09	340011	55		1.6		24	50	17.5	2090		2480	26	<.01	52	242		4	2980	
9601	37.15	38.41	1.26	340012	35		1.2		8	40	5.5	1070		2900	8	0.01	4	12		2	1120	
9601	90.77	91.77	1	340013	25		0.4		14	60	3	367		1100	3	0.01	1	14		2	508	
9601	91.77	92.62	0.82	340014	35		1		26	50	3	724		540	5	<.01	2	106		<2	490	
9601	92.62	93.62	1	340015	15		0.2		8	90	3	473		1025	3	0.01	1	2		<2	544	
9601	93.62	94.62	1	340016	10		<.2		8	110	0.5	438		1235	1	0.01	<1	<2		2	214	
9601	94.62	95.62	1	340017	35		1.2		20	40	1.5	1606		825	14	0.01	3	86		<2	270	
9601	95.62	96.61	0.99	340018	15		0.4		4	90	3.5	1060		900	5	0.01	4	14		2	592	
9601	96.61	98	1.39	340019	40		1.2		10	80	1	3630	0.36	670	3	0.01	1	<2		<2	192	
9601	98	99.21	1.21	340020	20		0.4		12	70	1	366		440	5	0.01	2	44		<2	174	
9601	101.59	102.41	0.82	340021	30		0.4		24	20	8	555		845	5	<.01	2	8		2	724	
9601	109.18	110.12	0.94	340022	35		0.2		54	10	<.5	282		285	3	<.01	4	2		<2	50	
9601	122.79	123.56	0.77	340023	15		0.2		66	40	<.5	512		780	18	<.01	12	16		<2	86	
9601	124.38	125.27	0.89	340024	45		0.2		24	90	<.5	831		855	9	<.01	18	<2		<2	56	
9601	159.65	160.5	0.85	340025	10		<.2		8	110	<.5	1036		1240	4	<.01	16	<2		2	66	
9601	162.31	163.1	0.79	340026	40		0.6		16	30	<.5	388		1220	7	<.01	13	<2		<2	64	
9602	24.8	25.83	1.03	340001	<5		<.2		2	<10	<.5	530		905	2	0.01	22	<2		2	72	
9602	27.12	28.12	1	340002	<5		<.2		2	40	<.5	36		475	1	0.03	4	<2		<2	28	
9602	55.76	56.24	0.48	340003	<5		<.2		<2	40	<.5	46		710	1	0.02	16	<2		<2	32	
9602	66.5	67.6	1.01	340004	<5		<.2		2	80	<.5	22		410	3	0.04	11	<2		<2	46	
9602	93.6	94.7	0.8	340005	<5		<.2		4	<10	<.5	70		800	<1	0.01	21	<2		2	34	
9602	113.08	113.62	0.54	340006	<5		<.2		28	80	<.5	13		160	3	0.02	2	6		<2	70	
9602	114.88	115.5	0.64	340007	5		0.2		1426	130	<.5	25		385	3	0.02	12	2		2	44	
9603	76.48	77.25	0.79	340008	<5		<.2		8	110	<.5	237		1055	1	0.01	28	<2		2	90	
9604	16.34	17.66	1.33	340027	<5		<.2		<2	150	<.5	32		130	3	0.04	3	<2		<2	18	
9604	46.68	46.08	1.4	340028	<5		<.2		2	40	<.5	82		755	3	0.01	22	<2		<2	42	
9604	48.06	49.14	1.08	340029	<5		<.2		2	30	<.5	121		690	1	0.01	20	<2		<2	38	
9604	88.34	89.28	0.96	340030	10		0.2		50	100	<.5	18		185	4	0.03	4	18		<2	178	
9605	34.82	35.74	0.92	340069	<5		<.2		<2	160	<.5	111		940	2	0.04	5	<2		<2	48	
9605	44.71	45.71	1	340070	<5		<.2		<2	120	<.5	5		365	1	0.05	4	<2		<2	14	
9605	51.21	52.15	0.94	340071	<5		<.2		<2	120	<.5	37		1195	1	0.03	18	<2		<2	42	
9605	54	54.69	0.69	340072	<5		<.2		<2	30	<.5	78		810	4	0.04	14	<2		2	52	
9605	77.52	78.29	0.77	340073	410		2.2		44	50	0.5	121		125	8	<.01	31	318		2	1620	
9605	88.33	89.35	1.02	340074	20		<.2		10	120	<.5	29		185	4	0.01	3	2		<2	66	
9605	89.35	90.22	0.87	340075	30		0.4		34	50	<.5	12		210	1	0.01	3	14		2	40	
9605	90.22	90.97	0.75	340076	115		3.4		14	50	<.5	18		125	2	0.03	1	204		6	150	
9605	93.27	94.18	0.91	340077	120		12.8		42	30	0.5	202		215	6	0.01	7	22		30	188	
9605	98.44	99.3	0.86	340078	1320	1.64	>100.0	138	1850	10	388	6310	0.7	180	31	<.01	15	>10000	1.3	200	>10000	9.17
9605	99.3	100.24	0.94	340079	1640	1.23	36.4		308	20	198.5	4760	0.54	125	25	<.01	6	702		42	>10000	6.12
9605	100.24	101.35	1.11	340080	1180	1.23	16.4		82	30	32.5	6420	0.66	210	26	<.01	4	440		4	6270	0.69
9605	101.35	102	0.65	340081	885		17.6		170	40	83	1620	0.16	250	8	<.01	11	1310		18	>10000	1.4
9605	102	102.98	0.98	340082	370		21.2		92	10	128.5	3970	0.42	85	14	<.01	15	2630		28	>10000	3.02
9606	34.36	35.17	0.79	340041	10		<.2		8	40	<.5	15		170	3	0.03	4	2		<2	6	
9606	38.8	39.86	1.16	340042	35		0.2		78	40	<.5	28		415	6	<.01	6	2		<2	50	
9607	47.55	48.72	1.17	340031	45		0.2		8	50	<.5	406		1195	18	<.01	17	<2		2	122	
9607	51.7	53.13	1.43	340032	85		0.4		10	100	<.5	116		385	9	<.01	4	10		<2	44	
9607	73.32	74.46	1.14	340039	50		0.6		20	30	<.5	401		2450	10	<.01	20	<2		<2	230	
9607	74.46	75.22	0.76	340040	140		1.8		24	20	1.5	3440	0.36	1820	19	<.01	18	<2		<2	178	
9607	80.55	81.39	0.84	340033	20		1.4		6	120	1.5	6260	0.64	2100	<1	<.01	14	<2		2	184	
9607	84.68	85.92	1.23	340034	30		0.6		16	60	0.5	2780		2260	1	<.01	19	<2		2	212	
9607	87.26	87.96	0.7	340035	<5		0.4		8	200	<.5	916		1695	<1	<.01	14	<2		<2	158	
9607	122.2	123.37	1.17	340036	<5		<.2		<2	20	<.5	17		320	2	0.02	42	<2		<2	24	
9607	132.32	133.7	1.38	340037	<5		<.2		2	50	<.5	50		385	3	0.04	11	<2		<2	48	
9607	141.5	142.5	1	340038	<5		<.2		<2	50	<.5	33		515	4	0.03	11	<2		<2	40	
9609	87.96	89.44	1.48	340044	10		<.2		18	40	<.5	37		75	19	0.01	20	6		<2	18	
9609	140.2	140.9	0.7	340045	8710	6.09	>100.0	226	466	50	>500.	>10000	1.42	370	31	0.01	3	>10000	6.36	596	>10000	32.3
9609	140.9	141.55	0.65	340046	615		83.8		80	70	462	>10000	4.09	125	52	<.01	<1	582		50	>10000	12.75
9609	141.6	142.32	0.63	340047	2610	1.92	39.2		112	10	430	>10000	3.01	140	55	0.01	3	196		12	>10000	10.36
9609	142.3	143.36	1.04	340048	690		22.2		18	100	7	>10000	1.8	225	<1	0.03	5	32		40	1095	
9609	147.92	148.8	0.88	340049	1606	2.19	>100.0	144	310	40	80	>10000	0.39	155	2	0.01	16	<2		868	>10000	1.13
9609	152.84	153	0.16	340050	145		0.8		66	20	1	68		100	23	0.01	14	124		4	152	
9610	61.97	62.55	0.58	340107	265		6		74	<10	5	9770		1070	24	<.01	11	12		4	236	
9610	80.9	81.48	0.58	340108	60		1.8		60	50	4	2960		810	18	<.01	11	<2		2	168	
9611	33	34	1	340083	15		<.2		6	70	<.5	295		645	20	<.01	12	<2		2	60	
9611	43.76	44.84	1.08	340084	20		<.2		14	40	<.5	14		780	13	<.01	2	<2		<2	44	
9611	144.78	145.08	0.28	340101	20		0.8		28	60	1	3690		1255	16	<.01	19	<2		<2	74	
9611	280.5	281.4	0.91	340102	125		5.6		1970	<10	1.5	>10000		805	47	<.01	25	<2		<2	236	
9611	288	288.8	0.8	340103	35		2.8		7890	20	0.5	>10000		840	57	0.01	21	<2		16	102	
9611	286.8	287.52	0.72	340104	80		2		>10000	10	1	6940		825	51	<.01	21	<2		12	120	
9611	287.52	288.52	1	340105	70		2.4		>10000	<10	1.5	8210		535	50	<.01	24	<2		12	116	
9611	288.52	289.27	0.75	340106	55		1		7390	20	1	4230		700	33	0.01	18	<2		8	96	
9612	31.38	32.54	1.16	340085	55		0.8		8	70	0.5	800		335	8	<.01	4	<2		<2	44	
9612	47.55	48.92	1.37	340086	35		0.4		14	60	1	35		715	7	<.01	3	30		2	192	
9612	48.92	49.92	1	340087	85		0.4		24	20	<.5	46		970	16	<.01	15	40		<2	132	
9612	119	120.05	1.05	340088	300		3.4		26	110	7	6640		1590	1	<.01	85	8		2	192	
9612	159.37	160.32	0.92	340089	60		1.6		20	40	2.5	3460		2330	11	<.01	28	2		<2	352	
9612	160.21	161.24	1.03	340109	35		0.8		38	40	0.8	1780		1515	15	<.01	13	<2		<2	116	
9612	161.24	162.86	1.62	340110	10		<.2		18	80	<.5	346		1405	7	<.01	12	<2		<2	96	
9612	162.86	163.81	0.95	340111	70		2		54	<10	2.5	6860		575	57	<.01	11	4		8	102	
9612	211.48	212.04	0.56	340090	65		1.8		14	50	3	4470		1690	1	0.01	30	<2		8	236	
9612	231.1	231.42	0.32	340091	40		0.6		18	80	0.5	849		795	5	<.01	25	2		<2	86	
9612	299.77	300.53	0.76	340092	<5		<.2		4	110	<.5	264		570	2	0.01	19	<2		2	48	
9612	330.92	332.1	1.28	340093	50		0.4		14	10	<.5	132		875	7	<.01	5	6		<2	112	
9612	363.4	363.67	0.27	340094	20		0.8		8	110	0.5	2690		1030	3	0.01	15	<2		<2	114	
9612	368.63	369.41	0.78	340095	70		1.2		2	130	1	2480		285	3	0.01	4	<2		2	46	
9612	388.31	389.12	0.81	340096	45		1		672	100	1.5	2690		470	3	0.04	8	<2		2	170	
9612	389.12	389.88	0.76	340097	110		2.4		2620	70	2	7870		425	8	0.01	7	<2		<2	260	
9612	389.88	391.22	1.34	340098	10		0.8		134	130	1	3370		815	8	0.02	19	<2		<2	54	
9612	391.22	391.83	0.61	340099	30		1.2		86	70	2.8	4930		820	33	0.01	9	<2		<2	90	
9612	395.1	395.84	0.74	340100	15		0.8		3470	60	<.5	3880		485	23	0.01	7	<2		<2	58	

FIG. 11

ASSAY SUMMARY - Multi-Element Analysis (ICAP)

DDH No.	SAMPLE NUMBER	Au ppb	Au g/t	Ag ppm	Ag g/t	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Cr ppm	Cu ppm	Cu %	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Pb %	Sb ppm	Se ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zn %
9802	340001	<5		<.2		3.12	2	<10	<.5	<2	1.99	<.5	25	46	530		6.56	<10	<1	<.01	<10	3	905	2	0.01	22	560	<2		2	7	27	0.14	<10	10	134	<10	72	
9802	340002	<5		<.2		1.78	2	40	<.5	<2	1.71	<.5	17	28	36		5.75	<10	<1	0.09	<10	1.7	475	1	0.03	4	610	<2		<2	5	16	0.11	<10	<10	61	<10	26	
9802	340003	<5		<.2		2.44	<2	40	<.5	<2	2.86	<.5	23	56	46		7.76	<10	<1	0.05	<10	1.86	710	1	0.02	18	650	<2		<2	3	46	0.01	<10	<10	83	<10	32	
9802	340004	<5		<.2		1.82	2	60	<.5	<2	1.8	<.5	19	61	22		6.07	<10	<1	0.13	<10	1.55	410	3	0.04	11	500	<2		<2	3	18	0.01	<10	<10	33	<10	40	
9802	340005	<5		<.2		2.83	4	<10	<.5	<2	2.45	<.5	33	62	70		7.05	<10	<1	0.01	<10	2.3	800	<1	0.01	21	440	<2		2	8	54	0.06	<10	10	74	<10	34	
9802	340006	<5		<.2		0.55	26	90	<.5	<2	1.58	<.5	5	37	13		1.96	<10	<1	0.24	<10	0.2	160	3	0.02	2	260	8		<2	<1	39	<.01	<10	<10	2	<10	70	
9802	340007	5		0.2		1.41	1426	130	<.5	<2	3.19	<.5	8	39	25		3	<10	<1	0.21	<10	0.85	385	3	0.02	12	300	2		2	1	81	<.01	<10	<10	21	<10	44	
9803	340008	<5		<.2		3.29	8	110	<.5	<2	5.8	<.5	22	19	237		8.19	10	<1	0.13	<10	1.54	1055	1	0.01	20	850	<2		2	7	81	0.14	<10	10	128	<10	90	
VOIDED	340009																																						
VOIDED	340010																																						
9801	340011	55		1.6		2.47	24	50	<.5	4	1.8	17.5	7	153	2060		6.07	<10	<1	0.13	<10	2.77	2480	26	<.01	52	180	242		4	3	46	<.01	<10	10	18	<10	2990	
9801	340012	35		1.2		1.89	8	40	<.5	<2	1.94	5.5	10	27	1070		6.02	<10	<1	0.19	<10	1.79	2900	9	0.01	4	210	12		2	<1	86	<.01	<10	<10	5	<10	1120	
9801	340013	25		0.4		2.49	14	60	<.5	2	1.17	3	5	33	367		6.01	<10	<1	0.1	<10	2.46	1100	3	0.01	1	230	14		2	<1	22	<.01	<10	<10	8	<10	508	
9801	340014	35		1		0.85	26	50	<.5	2	0.95	3	5	34	724		7.92	<10	<1	0.13	<10	0.63	540	5	<.01	2	160	108		<2	<1	15	<.01	<10	<10	2	<10	490	
9801	340015	15		0.2		2.37	8	90	<.5	<2	1	3	3	35	473		4.48	<10	<1	0.15	<10	1.97	1025	3	0.01	1	460	2		<2	<1	25	<.01	<10	<10	4	<10	544	
9801	340016	10		<.2		2.71	6	110	<.5	<2	1.21	0.5	3	32	438		3.62	<10	<1	0.13	10	2.25	1235	1	0.01	<1	580	<2		2	<1	29	<.01	<10	<10	4	<10	214	
9801	340017	35		1.2		1.81	20	40	<.5	4	1.1	1.5	6	38	1605		6.33	<10	<1	0.13	<10	1.56	825	14	0.01	3	130	86		<2	<1	17	<.01	<10	<10	3	<10	270	
9801	340018	15		0.4		1.55	4	90	<.5	<2	1.49	3.5	2	49	1080		3.22	<10	<1	0.15	<10	1.37	900	5	0.01	4	120	14		2	<1	22	<.01	<10	<10	2	10	592	
9801	340019	40		1.2		1.46	10	90	<.5	<2	1	1	<1	53	3630	0.38	3.73	<10	<1	0.14	<10	1.28	870	3	0.01	1	70	<2		<2	<1	16	<.01	<10	<10	<1	<10	192	
9801	340020	20		0.4		1.35	12	70	<.5	2	0.56	1	1	56	306		4.75	<10	<1	0.19	<10	1.11	440	5	0.01	2	50	44		<2	<1	13	<.01	<10	<10	<1	<10	174	
9801	340021	30		0.4		2.05	24	20	<.5	2	1.08	6	5	31	555		7.44	<10	<1	0.15	<10	1.78	845	5	<.01	2	160	8		2	<1	19	<.01	<10	<10	6	<10	724	
9801	340022	35		0.2		1.21	54	10	<.5	6	0.31	<.5	22	35	282		9.28	<10	<1	0.19	<10	0.94	285	3	<.01	4	290	2		<2	<1	8	<.01	<10	<10	6	<10	50	
9801	340023	15		0.2		2.59	68	40	<.5	2	0.27	<.5	21	26	512		11	<10	<1	0.16	<10	2.15	780	16	<.01	12	470	16		<2	2	10	<.01	<10	10	34	<10	80	
9801	340024	45		0.2		1.98	24	90	<.5	2	0.56	<.5	9	27	831		3.86	<10	<1	0.18	<10	1.63	655	9	<.01	16	420	<2		<2	1	10	<.01	<10	<10	32	<10	58	
9801	340025	10		<.2		4.27	8	110	<.5	2	0.61	<.5	36	47	1035		7.12	<10	<1	0.1	<10	3.78	1240	4	<.01	16	330	<2		2	5	11	0.1	<10	10	87	<10	66	
9801	340026	40		0.6		3.81	16	30	<.5	2	0.55	<.5	24	22	389		8.33	<10	<1	0.06	<10	3.62	1220	7	<.01	13	410	<2		<2	6	18	0.12	<10	<10	104	<10	84	
9804	340027	<5		<.2		0.78	<2	150	<.5	<2	0.11	<.5	4	32	32		2.4	<10	<1	0.14	<10	0.41	130	3	0.04	3	200	<2		<2	<1	7	0.03	<10	<10	10	<10	18	
9804	340028	<5		<.2		2.08	2	40	<.5	<2	2.7	<.5	27	44	82		6.02	<10	<1	0.04	<10	2.19	755	3	0.01	22	540	<2		<2	6	57	0.17	<10	<10	100	<10	42	
9804	340029	<5		<.2		2.14	2	30	<.5	<2	2.19	<.5	28	41	121		5.92	<10	<1	0.03	<10	2.24	660	1	0.01	20	510	<2		<2	4	50	0.13	<10	<10	87	<10	38	
9804	340030	10		0.2		0.96	50	100	<.5	<2	1.81	<.5	6	30	18		2.27	<10	<1	0.15	<10	0.7	165	4	0.03	4	260	18		<2	<1	29	<.01	<10	<10	4	<10	176	
9807	340031	45		0.2		3.55	6	50	<.5	2	0.37	<.5	15	28	406		5.4	<10	<1	0.1	<10	3.71	1195	10	<.01	17	780	<2		2	2	4	0.05	<10	<10	47	<10	122	
9807	340032	85		0.4		1.02	10	100	<.5	<2	0.5	<.5	6	30	116		2.92	<10	<1	0.2	<10	0.95	365	9	<.01	4	250	10		<2	<1	4	0.04	<10	<10	6	<10	44	
9807	340033	20		1.4		4.22	6	120	<.5	2	1.16	1.5	9	57	6280	0.64	5.7	<10	<1	0.07	<10	4.11	2100	<1	<.01	14	440	<2		2	6	21	0.1	<10	<10	94	10	184	
9807	340034	30		0.8		4.48	16	60	<.5	<2	0.34	0.5	21	35	2780		8.11	<10	<1	0.16	<10	4.24	2260	1	<.01	19	420	<2		2	7	9	0.13	<10	10	99	<10	212	
9807	340035	<5		0.4		3.16	8	200	<.5	<2	0.96	<.5	21	50	916		4.22	<10	<1	0.08	<10	2.84	1695	<1	<.01	14	340	<2		<2	4	40	0.12	<10	<10	65	<10	156	
9807	340036	<5		<.2		1.42	<2	20	<.5	<2	0.58	<.5	16	121	17		5.15	<10	<1	0.09	<10	1.6	320	2	0.02	42	370	<2		<2	3	9	0.08	<10	<10	27	<10	24	
9807	340037	<5		<.2		1.49	2	50	<.5	<2	1.43	<.5	11	40	50		4.3	<10	<1	0.14	<10	1.19	365	3	0.04	11	320	<2		<2	3	20	<.01	<10	<10	20	<10	48	
9807	340038	<5		<.2		1.11	<2	50	<.5	<2	3.07	<.5	14	35	33		3.27	<10	<1	0.06	<10	1.06	515	4	0.03	11	240	<2		<2	2	26	0.01	<10	<10	20	<10	40	
9807	340039	50		0.6		4.79	20	30	<.5	<2	0.35	<.5	25	72	401		7.75	<10	<1	0.04	<10	5.07	2450	10	<.01	20	370	<2		<2	6	5	0.04	<10	<10	94	<10	230	
9807	340040	140		1.8		3.54	24	20	<.5	2	0.64	1.5	29	59	3440	0.36	10.6	<10	<1	0.04	<10	3.63	1820	19	<.01	19	330	<2		<2	5	6	0.04	<10	<10	87	<10	176	
9808	340041	10		<.2		0.27	8	40	<.5	<2	1.46	<.5	8	35	15		2.5	<10	<1	0.16	<10	0.07	170	3	0.03	4	240	2		<2	<1	43	<.01	<10	<10	1	<10	6	
9808	340042	35		0.2		0.35	78	40	<.5	<2	2.7	<.5	12	72	28		3.94	<10	<1	0.25	<10	0.12	415	6	<.01	6	790	2		<2	<1	56	<.01	<10	<10	1	<10	50	
VOIDED	340043																																						
9809	340044	10		<.2		0.36	16	40	<.5	<2	0.72	<.5	8	32	37		3.27	<10	<1	0.25	<10	0.03	75	19	0.01	20	360	6		<2	<1	27	<.01	<10	<10	1	<10	18	
9809	340045	8710	8.89	>100.0	228	0.16	486	50	<.5	Inf*	5.57	>600.	7	20	>10000	1.42	5.33	10	27	0.05	<10	0.15	370	31	0.01	3	Inf*	>10000	6.39	698	<1	66	<.01	<10	10	<1	<10	>10000	32.3
9809	340046	815		53.6		0.29	80	70	<.5	Inf*	0.96	482	9	39	>10000	4.08	8.42	<10	19	0.15	<10	0.13	125	52	<.01	<1	Inf*	582		50	<1	28	<.01	<10	<10	<1	<10	>10000	12.78
9809	340047	2610	1.92	39.2		0.38	112	10	<.5	Inf*	1	430	15	35	>10000	3.01	10.3	<10	10	0.18	<10	0.2	140	55	0.01	3	Inf*	196		12	<1	23	<.01	<10	<10	<1	<10	>10000	18.36
9809	340048	690		22.2		0.39	16	100	<.5	Inf*	2.11	7	6	34	>10000	1.6	2.73	<10	<1	0.2	<10	0.43	225	<1	0.03	5	Inf*	32		40	1	66	<.01	<10	10	1	<10	1095	
9809	340049	1605	2.19	>100.0	144	0.1	310	40	<.5	Inf*	0.75	60	37	107	>10000	6.38	7.19	<10	10	0.06	<10	0.2	155	2	0.01	18	Inf*	<2		856	<1	19	<.01	<10	<10	<1	<10	>10000	1.13
9809	340050	145		0.8		0.32	66	20	<.5	<2	0.9	1	17	29	66		6.03	<10	<1	0.14	<10	0.27	100	23	0.01	14	340	124		4	<1	39	<.01	<10	<10	1	<10	152	
9805	N340069	<5		<.2		1.83	<2	160	<.5	<2	3.03	<.5	15	21	111		3.5	<10	<1	0.1	10	1.31	940	2	0.04	5	750	<2		<2	3	57	<.01	<10	<10	37	<10	46	
9805	N340070	<5		<.2		0.84	<2	120	<.5	<2	1.58	<.5	5	38	5		2.46	<10	2	0.15	<10	0.57	305	1	0.05	4	320	<2		<2	1	24	0.03	<10	<10	11	<10	14	
9805	N340071	<5		<.2		3.63	<2	120	<.5	<2	4.29	<.5	23	49	37		6.13	<10	<1	0.07	<10	2.71	1195	1	0.03	19	510	<2		<2	10	97	<.01	<10	<10	115	<10	42	
9805	N340072	<5		<.2		2.33	<2	30	<.5	<2	2.75	<.5	25	40	78		6.5	<10	<1	0.09	<10	2.03	910	4	0.04	14	520	<2		2	8	41	<.01	<10	<10	88	<10	52	
9805	N340073	410		2.2		0.54	44	50	<.5	<2	1.26	6.5	7	36	121		3.06	<10	<1	0.31	<10	0.1	125	8	<.01	31	340	318		2	<1	32	<.01	<10	<10	3	10	1620	
9805	N340074	20		<.2		0.61	10	120	<.5	<2	1.57	<.5	5	42	29		1.66	<10	<1	0.34	<10	0.06	165	4	0.01	3	330	2		<2	<1	29	<.01	<10	<10	2	<10	66	
9805	N340075	30		0.4		0.32	34	50	<.5	<2	1.8	<.5	3	30	12		3.22	<10	<1	0.21	<10	0.03	210	1	0.01	3	220	14		2	<1	31	<.01	<10	<10	1	<10	40	
9805	N340076	115		3.4		0.31	14	50	<.5	<2	1.17	<.5	4	30	18		2.26	<10	<1	0.2	<10	0.03	125	2	0.03	1	90	204		6	<1	24	<.01	<10	<10	1	<10	150	
9805	N340077	120		12.6		0.4	42	30	<.5	2	1.96	0.6	7	59	202		2.97	<10	<1	0.27	<10	0.05	215	8	0.01	7	240	22		30	<1	50	<.01	<10	<10	<1	<10	188	
9805	N340078	1320	1.84	>100.0	138	0.25	1850	10	<.5	10	1.67	369	3	34	6310	0.7	6.92	<10	18	0.16	<10	0.02	180	31	<.01	15	120	>10000	1.3	200	<1	30	<.01	10	<10	<1	<10	>10000	9.17
9805	N340079	1640	1.33	36.4		0.29	308	20	<.5	8	1.06	198.5	2	47	4760	0.84	6.74	<10	7	0.19	<10	0.03	125	25	<.01	8	240	702		42	<1	21	<.01	<10	<10	<1	<10	>10000	5.12
9805	N340080	1180	1.23	18.4		0.34	62	30	<.5	<2	2.06	32.5	1	53	6420	0.66	9.24	<10	3	0.22	<10	0.04	210	26	<.01	4	160	440		4	<1	50	<.01	<10	<10	1	<10	8270	0.99
9805	N340081	665		17.6		0.27	170	40	<.5	<2	2.16	83	7	30	1620	0.16	3.89	<10	4	0.19	<10	0.03	250	9	<.01	11	260	1310		18	<1	52	<.01	<10	<10	<1	<10	>10000	1.4
9805	N340082	370		21.2		0.32	92	10	<.5	4	0.91	126.5	7	42	3970	0.42	6.12	<10	10	0.18	<10	0.07	95	14	<.01	15	180	2830		28	<1	29	<.01	<10	<10	1	<10	>10000	3.82
9811	N340083	15		<.2		1.85	6	70	<.5	<2	0.23	<.5	8	44	295		3.13	<10	<1	0.12	<10	1.95	645	20	<.01	12	310	<2		2	1	3	0.04	<10	<10	29	<10	60	
9811	N340084	20		<.2		2.01	14	40	<.5	2	0.8	<.5	12	43	14		5.07	<10	<1	0.06	<10	2.21	760	13	<.01	2	40	<2		<2	<1	9	<.01	<10	<10	8	<10	44	
9812	N340085	55		0.6		0.67	8	70	<.5	<2	0.42	0.5	4	32	800		3	<10	<1	0.15	<10	0.59	335	6	<.01	4	170	<2		<2	<1	5	<.01	<10	<10	3	<10	44	
9812	N340086	35		0.4		1.31	14	60	<.5	<2	0.63	1	6	50	35		4.02	<10	<1	0.17	<10	1.29	715	7	<.01	3	120	30		2	<1	8	<.01	<10	<10	5	<10	182	
9812	N340087	95		0.4		2.05	24	20	<.5	<2	0.61	<.5	13	54	46		5.86	<10	<1	0.17	<10	2.04	970	16	<.01	15	360	40		<2	1	7	<.01	<10	<10	24	<10	132	
9812	N340088	300		3.4		4.16	26	110	<.5	<2	9.46	7	56	83	6640		7.65	10	<1	0.17	<10	2.92	1580	1	<.01	65	490	8		2	13	146	0.05	<10	<10	177	<10	192	
9812	N340089	80		1.8		5.23	20	40	<.5	<2	0.38	2.5	30	136	3480		10.3	10	<1	0.17	<10	4.98	2330	11	<.01	26	340	2		<2	10	9	0.04	<10	<10	124	<10	352	
9812	N340090	65		1.8		4.29	14	50	<.5	<2	2.33	3	25	111	4470		8.02	10	<1	0.17	<10	3.75	1690	1	0.01	30	340	<2		8	10	44	0.01	<10	<10	108	<10	236	
9812	N340091	40		0.8		3.71	18	90	<.5	<2	1.38	0.5	30	88	849		8.24	<10	<1	0.17	<10	3.17	795	5	<.01	25	360	2		<2	5	27	0.03	<10	<10	82	<10	88	
9812	N340092	<5		<.2		2.14	4	110	<.5	<2	3.3	<.5	37	63	284		5.94	<10	<1	0.17	<10	1.05	570	2	0.01	19	370	<2		2	4	44	0.07	<10	<10	43	<10	40	
9812	N340093	50		0.4		3.25	14	10	<.5	<2	0.93	<.5	26	25	132		10.55	<10	<1	0.17	<10	2.77	975	7	<.01	5	570	8		<2	3	18	<.01	<10	<10	46	<10	112	
9812	N340094	20		0.8		3.37	8	110	<.5	<2	2.42	0.5	17	63	2690		5.47	<10	<1	0.17	<10	2.49	1030	3	0.01	15	280	<2		<2	5	45	<.01	<10	<10	45	<10	114	
9812	N340095	70		1.2		0.87	2	130	<.5	<2	1.32	1	17	159	2480		1.78	<10	<1	0.17	<10	0.53	285	3	0.01	4	80	<2		2	<1	20	<.01	<10	<10	4	<10	48	
9812	N340096	45		1		2.58	672	100	<.5	<2	2.02	1.5	47	25	2690		7.98	<10	<1	0.17	<10	1.26	470	3	0.04	8	780	<2		2	7	30	0.01	<10	<10	81	<10	170	
9812	N340097	110		2.4		1.87	2620	70	<.5	<2	3.34	2	42	58	7870		8.71	<10	<1	0.17	<10	0.79	425	6	0.01	7	510	<2		<2	3	67	<.01	<10	<10	38	<10	260	
9812	N340098	10		0.8		2.79	134	130	<.5	<2	2.97	1	66	45	3370		8.9	<10	<1	0.17	<10	1.11	515	8	0.02	19	230	<2		<2	5	96	0.03	<10	<10	44	<10	54	
9812	N340099	30		1.2		2.61	56	70	<.5	<2	1.38	2.5	108	65	4930		8.56	<10	<1	0.17	<10	1.11	520	33	0.01	9	220	<2		<2	5	35	<.01	<10	<10	45	<10	90	
9812	N340100	15		0.8		2.06	3470	60	<.5	<2	2	<.5	20	34	3890		7.11	<10	<1	0.17	<10	0.87	495	23	0.01	7	260	<2		<2	3	66	<.01	<10	<10	26	<10	60	
9811	N340101	20		0.8		3.94	20	60	<.5	<2	1.27	1	36	110	3590		8.15	10	<1	0.17	<10	3.02	1255	16	<.01	19	310	<2		<2	6	17	0.06	<10	<10	87	<10	74	
9811	N340102	125		5.6		2.74	1970	<10	<.5	Inf*	0.43	1.5	73	40	>10000		>15.00	10	<1	0.17	<10	1.09	805	47	<.01	25	Inf*	<2		<2	5	21	0.06	<10	<10	57	<10	236	
9811	N340103	35		2.6		2.82	7890	20	<.5	Inf*	1.75	0.5	40	40	>10000		14.7	10	<1	0.17	<10	0.98	840	57	0.01	21	Inf*	<2		10	4	20	0.03	<10	<10	40	<10	102	
9811	N340104	80		2		3.06	>10000	10	<.5	<2	1.54	1	172	46	6940		>15.00	10	1	0.17	<10	0.92	825	51	<.01	21	290	<2		12	7	29	0.04	<10	<10	61	<10	120	
9811	N340105	70		2.4		1.89	>10000	<10	<.5	8	1.5	1.5	86	45	8210		>15.00	10	<1	0.17	<10	0.59	535	50	<.01	24	90	<2		12	3	15	0.01	<10	<10	27	<10	116	
9811	N340106	55		1		2.26	7390	20	<.5	<2	1.47	1	54	48	4230		10.35	<10	<1	0.17	<10	1.15	700	33	0.01	18	270	<2		8	4	20	0.03	<10	<10	52	<10	96	
9810	N340107	265		8		2.54	74	<10	<.5	<2	0.34	5	33	58	9770		>15.00	<10	<1	0.17	<10	1.99	1070	24	<.01	11	240	12		4	3	4	0.03	<10	<10	47	<10	230	
9810	N340108	50		1.8		2.87	80	50	<.5	<2	3.05	4	26	58	2960		9.05	10	<1	0.17	<10	1.82	910	10	<.01	11	250	<2		2	5	40	<.01	<10	<10	54	<10	188	
9812	N340109	35		0.6		4.96	38	40	<.5	<2	0.76	0.5	39	44	1780		10.8	10	<1	0.17	<10	3.86	1515	15	<.01	13	360	<2		<2	8	15	0.05	<10	<10	112	<10	116	
9812	N340110	10		<.2		4.46	18	90	<.5	<2	0.53	<.5	25	39	346		7.32	10	<1	0.17	<10	3.74	1405	7	<.01	12	420	<2		<2	8	16	0.07	<10	<10	100	<10	96	
9812	N340111	70		2		1.39	54	<10	<.5	60	1.74	2.5	107	83	8860		14.85	<10	<1	0.17	<10	0.76	575	57	<.01	11	150	4		8	3	15	0.03	<10	<10	29	<10	102	

FIG. 12

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9801 | Grid Azimuth: 152 | Collar True Azimuth: 180 | Acid Test Dips: -41 At(m) 199.84 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Silver 2 | Grid Easting: -8917 | Collar Dip: -45 | Acid Test Dips: At(m)

NTS Ref: 92 B/13 | Grid Northing: 10718 | Elev (m): 678 | Acid Test Dips: At(m) | Casing (m): 16.1 | HoleStart: 10/14/98

Collar UTM | Casing left: no | HoleFinish: 10/15/98 | Final Depth 199.84

Target: 262 Felsics stratigraphy and extension of mineralization in hole 89-262 - collared on road within 50m of Laramide-Falconbridge claim boundary

From (m) 16.10 Rock Unit: Rhyolite lapilli to ash tuff - 1LaT

To (m): 31.80

Lithology: medium grey to l.greenish grey, fine grained siliceous and sericitic matrix containing some 2-4mm qtz grains; some gradational bands with mir or f.g. matrix, local wispy chlorite enrichments; below 19.5m, unit grades to predominantly f-v.f.grained, whitish and sericitic ash tuff, some qtz-carbonate stringers with local contact chloritization; gradation into underlying unit

Structure: -weak to moderately shear foliated to 50°

StructFoln: 50 PrimryBed DbsKey: 1

Mineral'n: -minor laminar bandings of blebby disseminated fine py to 1-3%, tr.sph

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl 340011	20.09	21.18	1.09	2060	2980	1.6	55
Smpl							
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From (m) 31.80 Rock Unit: Rhyo-dacitic lapilli tuff - 1-2LaT

To (m): 53.65

Lithology: medium to dark greenish grey, f.-v.f.grained siliceous/sericitic matrix predominant with rare 0.5-1cm qtz eye grains; unit is variably cut by late-stage minor qtz-carbonate veinlets; fairly monotonous sequence; grades into underlying unit

Structure: weakly foliated, with apparent primary bedding at 40°

StructFoln: PrimryBed 40 DbsKey: 3

Mineral'n: -scattered minor disseminations of fine py <1% in local bandings; 37.15-38.41m; zone of SMMX bandings up to 1cm of disseminated py to 5% with <1% chalcopy

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl 340012	37.15	38.41	1.26	1070	1120	1.2	35
Smpl							
Smpl							
Smpl							

Assays:

From (m) 53.65 Rock Unit: Rhyolite ash tuff - 1LaT-DT

To (m): 81.80

Lithology: l.grey to whitish grey, f-v.f.grained siliceous equigranular ash tuff, rare thin cherty horizons, monolithic sequence that is gradually fining down, grading into!

Structure: very weakly foliated unit except at 62.91-63.36m -strong shear layer at 55°, is very strongly chloritic (sheared diorite?) containing sheared up qtz-carbonate veining (v.late stage shear)

StructFoln: PrimryBed DbsKey: 4

Mineral'n: tr. disseminated py

Remarks: -unit shows distinct fining-down i.e. apparent overturned primary bedding

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 81.80 Rock Unit: Rhyolite ash tuff, cherty -1CyDT
To (m): 90.00

Lithology: l.grey to whitish grey, v.f.grained and equigranular sericite schist with interlaminated cherty and argillaceous horizons increasing in frequency and thickness downhole (fining down sequence); argillaceous tuff bandings with minor disseminated SMMX laminations below 85.5m;

Structure: moderately-well foliated at 60°; at 86.65-86.9m - shear/fault zone at 60°, is fault gouge breccia bearing non-sheared white 'bull' qtz-carbonate veins up to 10cm wide with no significant mineralization

StructFoln: 60 PrimryBed DbsKey: 5

Mineral'n: below 85.5m - up to 1 cm bandings of 1-5% py-po disseminated bandings with tr.chalco

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl	340013	90.77	91.77	1	367	508	0.4	25
Smpl	340014	91.77	92.62	0.85	724	490	1	35
Smpl	340015	92.62	93.62	1	473	544	0.2	15
Smpl	340016	93.62	94.62	1	438	214	0.1	10
Smpl	340017	94.62	95.62	1	1505	270	1.2	35
Smpl	340018	95.62	96.61	0.99	1080	592	0.4	15

Assays: - above results pertain to the underlying litho unit (note depth metres)

From (m): 90.00 Rock Unit: Rhyolite ash, cherty and argillaceous - 1DT,Cy
To (m): 128.27

Lithology: 90.0-103.0m -zone of aphanitic whitish sericitic cherty ash tuff with numerous 20-30cm chert-rich and cherty argillaceous (d.grey) bands, containing numerous SMMX-MSSX bandings up to 10cm each; 103.0-112.5m - unit grades back to uniform sl.cherty sericitic ash tuff with only minor py-po disseminations <2%; 112.5-128.27m - argillaceous and cherty 'dirty' rhyolite ash tuff, d.greenish grey, v.f.grained to aphanitic & siliceous, bearing argillaceous laminations and discrete tuffaceous chert bands, with several major chert bands up to 30cm each occuring at 123-126.5m;

Structure: weakly foliated at 60°

StructFoln: 60 PrimryBed 40 DbsKey: 6

Mineral'n: 90-103.0m - SMMX-MSSX bandings of 20-60% disseminated blebby and clotty py-po with minor (<1%) chalcopy, no obvious sph-laminations, mineral'n concordant with argill/chert laminations; odd minor py-po disseminations at 1-2% throughout remainder of unit

Remarks: -unit at or near exhalative surface

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl	340019	96.61	98	1.39	3630	192	1.2	40
Smpl	340020	98	99.21	1.21	396	174	0.4	20
Smpl	340021	101.59	102.41	0.8	555	724	0.4	30
Smpl	340022	109.18	110.12	0.9	282	50	0.2	35
Smpl	340023	122.79	123.56	0.8	512	80	0.2	15
Smpl	340024	124.38	125.27	0.9	831	56	0.2	45

Assays: 340019 - 0.38% Cu

From (m): 128.27 Rock Unit: Diorite - 6
To (m): 136.20

Lithology: dark emerald green, massive to weakly foliated, medium grained and equigranular texture, chloritized, magnetite-rich with blebby brassy py - Karmutsen-type intrusive

Structure: -upper contact apparently sheared, but masked by barren late qtz-carbonate veining

StructFoln: PrimryBed DbsKey: 7

Mineral'n: -locally up to 3-5% brassy blebby py

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								

Assays:

From (m): 136.20 Rock Unit: Rhyolite ash, argillaceous and cherty - 1DT,Cy
To (m): 148.13

Lithology: -as above unit from 112.5-128.27m; -rich in tuffaceous chert bands up to 20cm thick from 143-145.8m

Structure: moderately foliated at 60°; very intensely sheared sericite schist at 80° between 145.8-148.13m

StructFoln: 60 PrimryBed DbsKey: 8

Mineral'n: -rare minor blebs and disseminations of py-po

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 148.30 Rock Unit: Andesite tuff - 3T
To (m): 199.84

Lithology: d.greenish greyish, f.grained and equigranular, variably cut by qtz-carbonate veinlets in zones up to 30cm wide, locally silicified matrix with blebby contact SX

Structure: weakly foliated, and locally moderately sheared in veining zones

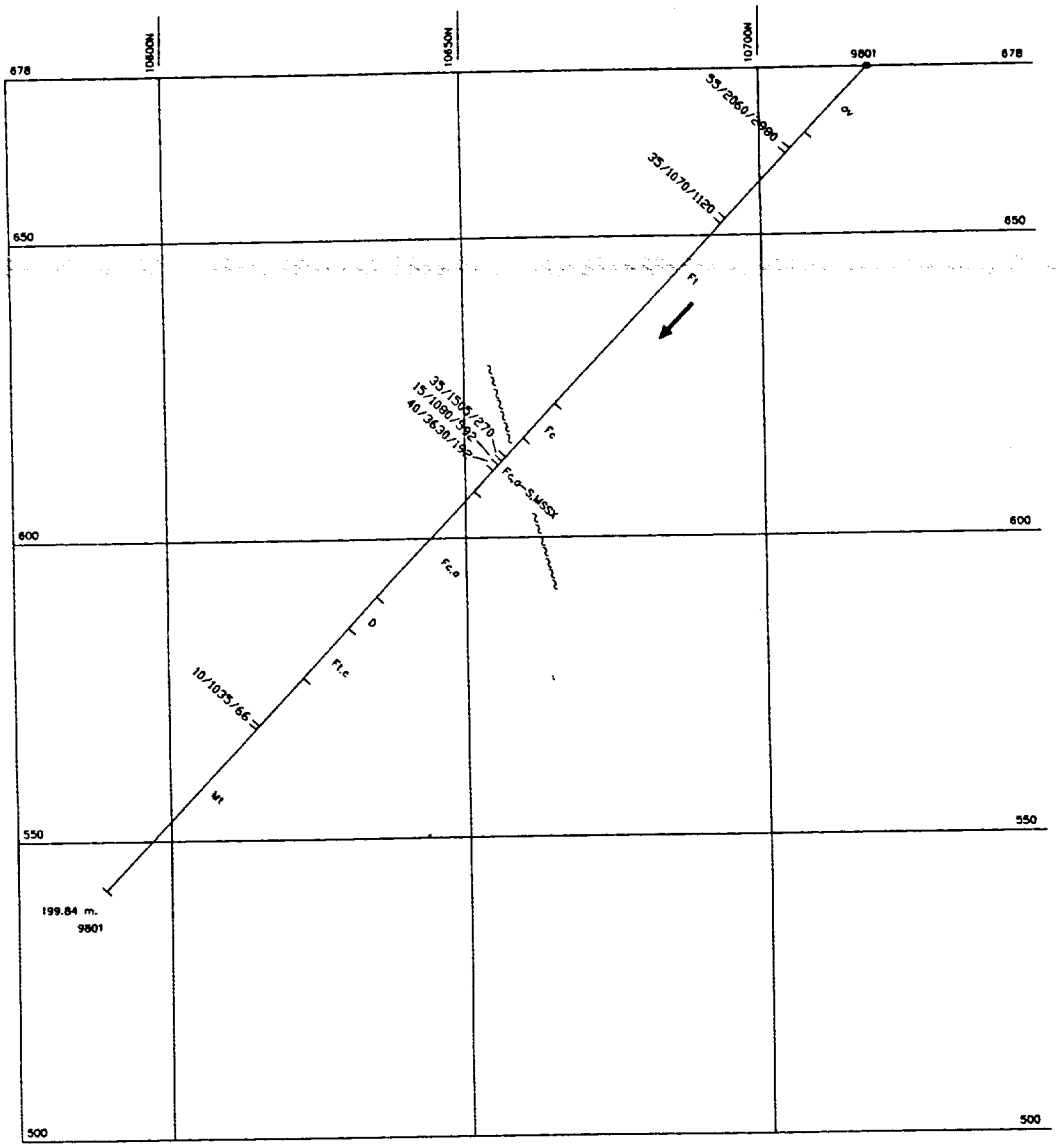
StructFoln: PrimryBed DbsKey: 9

Mineral'n: -blebby py up to 3-5% and tr.chalcopy along vein contacts

Remarks: E.O.H @ 199.84

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340025	159.65	160.5	0.8	1035	66	0.1	10
Smpl	340026	192.31	193.1	0.8	389	64	0.6	40
Smpl								
Smpl								
Smpl								



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

35/2060/2980

Assays & sample interval (AU-ppb/CU-ppm#/ZN-ppm#) #except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project-Vancouver Is., B.C.	
D.D. HOLE 98-01 Section along 89+17W	
Scale 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. - Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9802 | Grid Azimuth: 198 | Collar True Azimuth: 226 | Acid Test Dips: -67 At(m) 180.44 | Core size: NQ | Core storage: Lara portal site | Logged by: J.A. Richard

Claim #: Silver 2 | Grid Easting: -9435 | Collar Dip: -70 | Acid Test Dips: At(m) | Casing (m): 18.9 | HoleStart: 10/16/98

NTS Ref: 92 B/13 | Grid Northing: 10339 | Elev (m): 689 | Acid Test Dips: At(m) | Casing left: no | HoleFinish: 10/18/98 | Final Depth: 180.44

Collar UTM

Target: Easterly down-plunge extension of Abermin hole 86-85 mineralization (eastern limit of Coronation Extension) - collared 2m E of Abermin hole 87-152

From (m): 18.90 Rock Unit: Andesite crystal tuff - 3XT

To (m): 28.72

Lithology: d.greenish grey, v.f.-f.grained and equigranular, moderately chloritized matrix and tr.saussurite (after plag), conformable gradational contact to underlying unit!

Structure: -weakly foliated at 35°

StructFoln: 35 PrimryBed DbsKey: 1

Mineral'n: -<1% pervasive disseminated po-py euhedra and blebs , occ'l mineralized foliation laminae

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl	340001	24.8	25.83	1.03	530	72	0.1	4
Smpl	340002	27.12	28.12	1	36	28	0.1	4
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

---

From (m): 28.72 Rock Unit: Rhyo-dacite ash tuff - 1DT

To (m): 49.40

Lithology: med.-pale greenish grey, v.f.grained to aphanitic and equigranular, siliceous matrix, v.few coarser grains/frags, some minor coarser lapilli-ash bands and laminae, conformable

-@37.4-39.95m, andesite tuff band, as above unit, with variable minor qtz veinlets, locally epidotized patches to 1cm, conformable upper and lower contacts

Structure: -weakly foliated at 35°
-subtle textural bandings over 02.-2.5m thick

StructFoln: 35 PrimryBed DbsKey: 2

Mineral'n: -1-3% disseminated py-po, some mineralized foliation laminae

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Assays:							

From (m): 49.40 Rock Unit: Diorite - 6

To (m): 51.40

Lithology: d. emerald greenish, v.f.grained and equigranular matrix, very soft and chloritized

Structure: -massive matrix fabric
-sharp upper and lower intrusive contacts

StructFoln: PrimryBed DbsKey: 3

Mineral'n: -trace disseminated py euhedra, 3-5%py-po in coarser scattered blebs

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Assays:							

From (m): 51.40 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 60.05

Structure: -v.weakly foliated, texturally and mineralogically banded

Lithology: -continuation of rhyolite ash unit, as in 28.72-49.4m, minor conformable interbandings of andesite tuff up to 25 cm, pervasive white qtz-calcite veinlets and veins up to 15cm thick, with silicified haloes up to 5cm and local fracture flooding
-rapid conformable gradation to unit below..

StructFoln: PrimryBed DbsKey: 4

Mineral'n: 1-3% disseminated po-py in matrix, locally blebby along vein contacts

Remarks: -sequence of vague textural bandings suggest fining downhole, overturned volcaniclastic sequence?

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340003	55.76	56.24	0.48	46	32	0.1	4
Smpl								
Smpl								
Smpl								

From (m): 60.05 Rock Unit: Andesite crystal tuff - 3XT
To (m): 66.80

Structure: -weakly foliated

Lithology: d.greenish grey, f.g-v.f.grained and equigranular matrix, locally weakly siliceous and moderately chloritic, minor saussurite blebs (after plag). grades conformably into unit below.

StructFoln: PrimryBed DbsKey: 5

Mineral'n: -trace only py

Remarks:

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340004	66.5	67.6	1.01	22	40	0.1	4
Smpl								
Smpl								
Smpl								

From (m): 66.80 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 74.90

Structure: -weakly foliated

Lithology: whitish to l grey, v.f.grained and equigranular, to aphanitic, very siliceous matrix, minor qtz veinlets, conformably grades quickly tol

StructFoln: PrimryBed DbsKey: 6

Mineral'n: -minor disseminated po-py, locally 1-3% along foliations and blebby vein/fracture fills

Remarks:

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								

From (m): 74.90 Rock Unit: Andesite lapilli-ash tuff - 3LaDT
To (m): 98.50

Structure: -coarse textural banding and fining downhole

Lithology: d.greenish grey, f.grained chloritic matrix bearing epidotized and saussuritized felds and andesite fragments to 1cm
-@85.8-98.5m, numerous but minor l.greenish-grey rhyodacitic ash tuff bands up to 20cm thick, conformable within enclosing andesitic volcaniclastics, sharp but conformable gradation into

StructFoln: PrimryBed DbsKey: 7

Mineral'n: -@93.9-94.47m, blebby dissemination bands of SMMX up to 25% locally along foliation planes, laminae up to 3cm thick

Remarks:

Smpl
Smpl
Smpl 340005
Smpl
Smpl
Smpl

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
93.9	94.7	0.8	70	34	0.1	4

From (m): 98.50 Rock Unit: Rhyolite ash tuff -1DT
To (m): 100.50

Structure: -weakly foliated
-lower contact sheared over 2cm

Lithology: whitish to l.grey, v.f.grained to aphanitic siliceous-sericitic matrix, rare qtz grains to 2mm

StructFoln: PrimryBed DbsKey: 8

Mineral'n: -trace only disseminated po-py

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 100.50 Rock Unit: Diorite - 6
To (m): 102.20

Structure: -weakly shear foliated matrix
-sharp intrusive lower contact, upper contact obscured by qtz flood

Lithology: d.greenish, v.f.grained and v.chloritic equigranular matrix, trace saussurite blebs (after plag).
-@100.5m contact, 4cm qtz vein along contact, local qtz flooding/silicification

StructFoln: PrimryBed DbsKey: 9

Mineral'n: -1-3% blebby py along vein contact

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 102.20 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 105.77

Structure: -weakly foliated

Lithology: -continued from above unit 98.5-100.5m - fine rhyolite ash

StructFoln: PrimryBed DbsKey: 10

Mineral'n: -trace only disseminated po-py

Remarks:

From(m)	To(m)	Int'vl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From (m): 105.77 Rock Unit: Diorite - 6
To (m): 108.80

Structure: -sharp intrusive upper and lower contacts

Lithology: as in above unit at 100.5-102.2m

StructFoln: PrimryBed DbsKey: 11

Mineral'n: -trace po-py disseminated

Remarks:

From(m)	To(m)	Int'vl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From (m): 108.80 Rock Unit: Rhyolite lapilli/ash tuff -1LaDT
To (m): 155.25

Structure: -massive, non-foliated to weakly foliated
-@113.62-115m, major fault/shearing at 40°, internal brecciation and qtz veining; -@115-138m, numerous variable sheer slips and moderately shear foliated at 126-138m

Lithology: ined-l.grey, f.grained to aphanitic siliceous/sericitic matrix with up to 15% qtz & lesser feldspar x-stalline fragments, locally epidotized, few variable qtz veinlets, vague textural bandings showing fining downhole, minor argillaceous wisps and laminations increasing downhole
-@123-126.2m, numerous argillaceous laminations up to 1cm
-@138m-155.25m, unit grades into v.weakly foliated to monolithic sequence of whitish, v.f.grained to aphanitic, v.siliceous ash

StructFoln: PrimryBed DbsKey: 12

Mineral'n: -<1% po-py disseminated throughout
-@113.08-113.62m, several SMMX bands to 1cm each, 25% local
-@138m+, locally up to 1% po-py blebby clots dissem in matrix

Remarks: -fining downhole suggesting overturned volcaniclastic sequence

From(m)	To(m)	Int'vl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl 340006 113.08 113.62 0.54 13 70 0.1 4
Smpl 340007 114.86 115.5 0.6 25 44 0.2 5
Smpl
Smpl

Assays:

From (m): 155.25 Rock Unit: Sediments, brecciated argillite -5bx

To (m): 170.60

Structure: -contorted, brecciated bedding

Lithology: blackish, well laminated, aphanitic cherty argillite and argillite, strongly contorted bedding - brecciated, pervasive variable qtz veining, fining downhole
-rapid gradation to underlying unitI

StructFoln: PrimryBed DbsKey: 14

Mineral'n: -minor po-py laminar disseminations conformable to bedding, <1% locally

Remarks: -fining down volcaniclastic sequence-overturned, unit at/or close to exhalative surface

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 170.60 Rock Unit: Rhyolite lithic tuff - 1LT

To (m): 180.44

Structure: -coarse textural bandings, weakly foliated overall

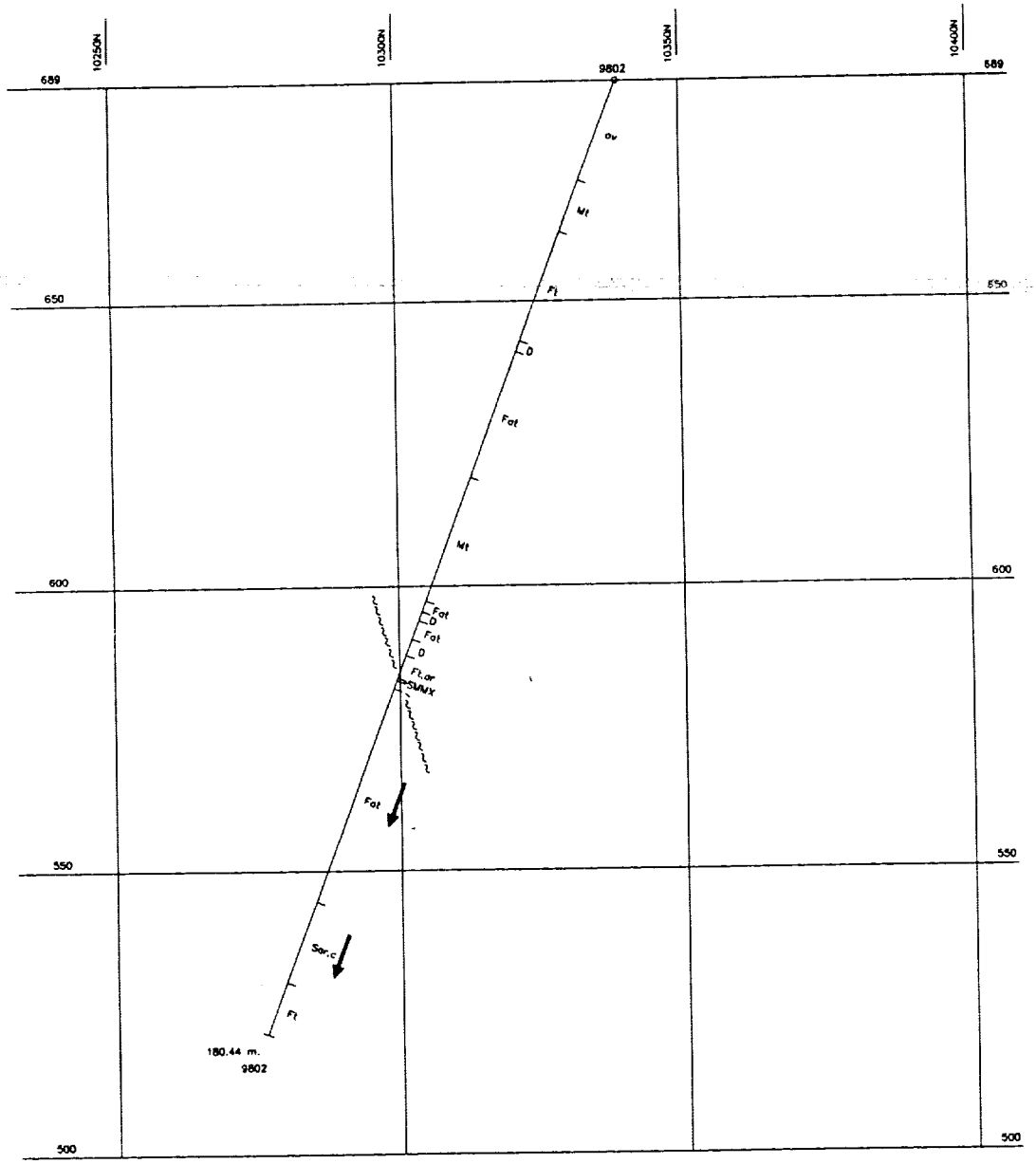
Lithology: pale greenish grey, v.f.-med grained, poorly sorted siliceous and sericitic matrix, containing 10% irregular cherty tuff and qtz fragments, minor carbonaceous/argillaceous interstitial wisps and few laminae to 0.25cm
-@178.3-180.44m, chert and argillite frags sheared

StructFoln: PrimryBed DbsKey: 15

Mineral'n: -trace only po-py blebs

Remarks: E.O.H. 180.44m

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

55/2060/2990

Assays & sample interval (AU-ppb/CU-ppm*/ZN-ppm*)
*except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–02 Section along 94+35W	
Scale: 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9803 | Grid Azimuth: 180 | Collar True Azimuth: 208 | Acid Test Dips: -42 At(m) 93.27 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Silver 2 | Grid Easting: -9558 | Collar Dip: -45 | Acid Test Dips: At(m) | Casing (m): 49.9 | HoleStart: 10/18/98

NTS Ref: 92 B/13 | Grid Northing: 10309 | Elev (m): 670 | Acid Test Dips: At(m) | Casing left: no | HoleFinish: 10/19/98 | Final Depth 117.65

Collar UTM

Target: Up-plunge confirmation of Abermin hole 86-85 mineralization (eastern limits of Coronatin Extension) -collared on road 30m E of Abermin hole 87-114

From (m): 49.92 Rock Unit: Dacite tuff - 2T

To (m): 59.95

Lithology: med.greenish grey, v.f-f.grained and equigranular, slightly chloritic matrix, qtz microveined and crackle brecc'd throughout, locally silicified

-@51.4m, 2cm barren qtz vein at 45° to C.A.
-@58-58.7m, undeformed late stage qtz veinlets within shear

Structure: -weakly to mod. foliated at 40°, hairline shears throughout
-@51.4-52.2m, fault gouge/breccia zone at 40° to C.A.
-@58-58.7m, strongly sheared at 80°, brecc'd in last 20cm
-@ 59.3m & 59.6-59.95m, shear and fault gouge zone at 85° to C.A.
-some Z-folded kinks in core below 51m

StructFoln: 40 PrimryBed DbsKey: 1

Mineral'n: -trace py locally along vein contacts
-@58-58.7m, up to 1% blebby py along qtz vein contacts

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From (m): 59.95 Rock Unit: Sediments - 5Cy

To (m): 62.52

Lithology: -@59.95-60.15m, Argillite, black, well laminated at 45°, v.f.grained to aphanitic carbonaceous/tuffaceous sediment, conformable contact to..
-@60.15-60.04m, greyish, aphanitic siliceous matrix, laminated chert
60.4-62.52m, dacite tuff as above

Structure: -upper shear contact (see above)
-lower shear contact at 62.5m to 45° to C.A.

StructFoln: PrimryBed 45 DbsKey: 2

Mineral'n: -trace po-py along lamination planes

Remarks: -apparent fining down volcanosedimentary sequence -overturned fold limb

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Assays:

From (m): 62.52 Rock Unit: Diorite - 6

To (m): 78.05

Lithology: v.dark greenish, f.grained and equigranular, chloritic matrix bearing some feldspar phenocrysts up to 2-4mm, few qtz-calcite veinlets <1cm thick
-@62.52m, barren qtz vein 2cm thick within shear contact
-@65.86-72.0m, massive, v.chloritic, soft matrix with 25% slightly saussuritized feldspar phenos and minor magnetite clots, cut by a few qtz-calcite veinlets

Structure: -weakly foliated (at 45°) to massive
-@76.46-77.25m, strongly shear foliated at 60° to C.A.

StructFoln: 45 PrimryBed DbsKey: 3

Mineral'n: -NVM to trace py
-@76.46-77.25m, 1-3% honey colored (sph?) mineral along shear foliation planes

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl 340008	76.46	77.25	0.79	237	90	0.1	4

Assays:

From (m): 78.05 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 79.40

Lithology: whitish l grey, v.f grained siliceous matrix containing minor component of 3-5mm qtz grains, cataclastic shear fabric

Structure: -entire unit is moderately shear foliated at 90° to C.A
-@78.1m, shear over 10cm at 80°

StructFoln: PrimryBed DbsKey: 4

Mineral'n: -trace py along foliation planes

Remarks:

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

From (m): 79.40 Rock Unit: Sediments- tuffaceous argillite -5arg
To (m): 84.40

Lithology: blackish, v.f grained to aphanitic, well laminated carboneaceous sediment, tuffaceous gradation from rhyolite ash in upper 1m, and minor interbandings decreasing downhole (fining downward), locally folded as noted, unit is variably cut by fine qtz-calcite veinlets- sl crenulated locally

-@84.0m, tip of major fold nose in well laminated argillite, axial plane oriented at 75° to C.A.

Structure: -variably folded, but true bedding appears to be at 40°
-@81.93-83.31m, major shear structure at 45° to C.A., strongly brecciated argillite and tuff bands, also containing strongly boudinaged qtz veins parallel to shearing
-numerous small scattered shear planes at 85° to C.A.

StructFoln: PrimryBed 40 DbsKey: 5

Mineral'n: -minor (<1%) po-py disseminations and blebs along lamination planes

Remarks: -significant variable folding apparent in this unit

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

From (m): 84.40 Rock Unit: Diorite - 6
To (m): 90.70

Lithology: -as in above unit 62.52-78.05m, but non-porphyritic; f.grained v.chloritic matrix, variably cut by fresh qtz-calcite veinlets up to 1cm

Structure: -upper contact sheared at 45° to C.A., cataclastic gouge for 15cm, shear foliation structure decreasing downhole to weakly foliated by 88m;
-@86.1-86.25m, shear/chloritic fault gouge at 45°

StructFoln: PrimryBed DbsKey: 6

Mineral'n: -trace only py euhedra

Remarks:

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

From (m) 90.70 Rock Unit: Andesite crystal tuff - 3CT
To (m): 96.15

Lithology: -or shear foliated diorite?? -med.greenish grey, v.f grained and equigranular, mod. chloritic (& saussurite), uniform throughout unit

Structure: -mod.well foliated at 60° to C.A.
-sharp but apparently conformable to underlying unit

StructFoln: 60 PrimryBed DbsKey: 7

Mineral'n: -NVM

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m) 96.15 Rock Unit: Diorite -6
To (m) 117.65

Lithology: med.-d.greenish grey, f.grained and equigranular mod.chloritic matrix 10-20% feldspar phenocrysts up to 1cm each

-@113.5-114.81m & 116.06-116.70m, massive barren and undeformed late qtz veins, bluish grey and transluscent, v.chloritic contacts

Structure: -massive
-@112-113.5m, moderately contorted qtz-calcite veinlets in shear foliated matrix
-113.5-117.65m, unit is weakly foliated at 85° to C.A.

StructFoln: PrimryBed DbsKey: 8

Mineral'n: -trace py euhedra only

Remarks: E.O.H. @ 117.65m - target zones displaced by diorite intrusives

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m): 37.46 Rock Unit: Andesite lithic tuff - 3LT
To (m): 39.42

Structure: -non-foliated, indistinct bedding

Lithology: -as above in andesite lithic tuff unit at 20.10-34.45m

StructFoln: PrimryBed DbsKey: 4

Mineral'n: -1-3% disseminated blebby py, trace chalco

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 39.42 Rock Unit: Rhyolite lapilli tuff - 1LaT
To (m): 42.05

Structure:

Lithology: whitish - l.grey, v.f grained qtz-sericite matrix with <10% qtz grains 2-4mm; intensive barren qtz vein stockwork, fracture fill and local qtz flooding

StructFoln: PrimryBed DbsKey: 5

Mineral'n: -trace py

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 42.05 Rock Unit: Andesite lithic tuff - 3LT
To (m): 62.23

Structure: non-foliated, crudely bedded

Lithology: d.grey greenish, v.f. to f.grained matrix, chlorite-rich, minor saussuritized plag xstal 2-4mm, locally epidotized & silicified lithic patches to 5cm, variably qtz veined up to 3cm thick, intensely chloritized contacts
-@55-62.23m, autobrecciated with very blackish, clayey argillaceous matrix, contorted and containing qtz-calcite veinlets

StructFoln: PrimryBed DbsKey: 6

Mineral'n: -1-3% disseminated py-po, locally up to 5% with trace sph along vein contacts and along laminar disseminations

Remarks:

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340028	46.68	48.08	1.4	82	42	0.1	4
Smpl	340029	48.08	49.14	1.06	121	176	0.1	4
Smpl								
Smpl								
Smpl								

From (m): 62.23 Rock Unit: Rhyolite lapilli-ash tuff, cherty -1LaTCy
To (m): 86.70

Structure: -major upper contact fault/shear at 70° to C.A., then moderate shear foliation of matrix to 80m

Lithology: med.-l.grey, f.-v.f.grained to aphanitic, siliceous and sericitic matrix, bearing 2-4mm qtz grains, progressively fining downhole with cherty tuff and tuffaceous chert bands/laminae
-@70.5m-86.7m, several interbedded chlorite schist/sheared andesite tuff bands up to 40cm
-@79.2m, 15cm band of well laminated argillite
-@79.86-83m, pervasive late barren white qtz veining, undeformed
-becoming argillaceous with discrete laminae at 85-86.7m
-grades into lower unit

StructFoln: PrimryBed DbsKey: 7

Mineral'n: -trace po-py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						

Assays:

From (m): 86.70 Rock Unit: Rhyolite ash tuff, cherty - 1DTCy
To (m): 93.50

Structure: weakly foliated

Lithology: med.-l.grey, v.f.grained to aphanitic qtz-sericite ash tuff, cherty laminae up to 4cm, thin laminae of argillite with disseminated conformable bands to 2cm of po-py

StructFoln: PrimryBed DbsKey: 8

Mineral'n: -trace po-py, locally up to 10% in disseminated bands

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl	340030	88.34	89.28	0.96	18	176	0.2	10
Smpl						
Smpl						
Smpl						
Smpl						

Assays:

From (m): 93.50 Rock Unit: Rhyolite QE tuff - 1QET
To (m): 99.36

Structure: -weakly foliated

Lithology: med.grey, 3-5mm qtz grains with minor interstitial siliceous/sericitic matrix, monolithic dome

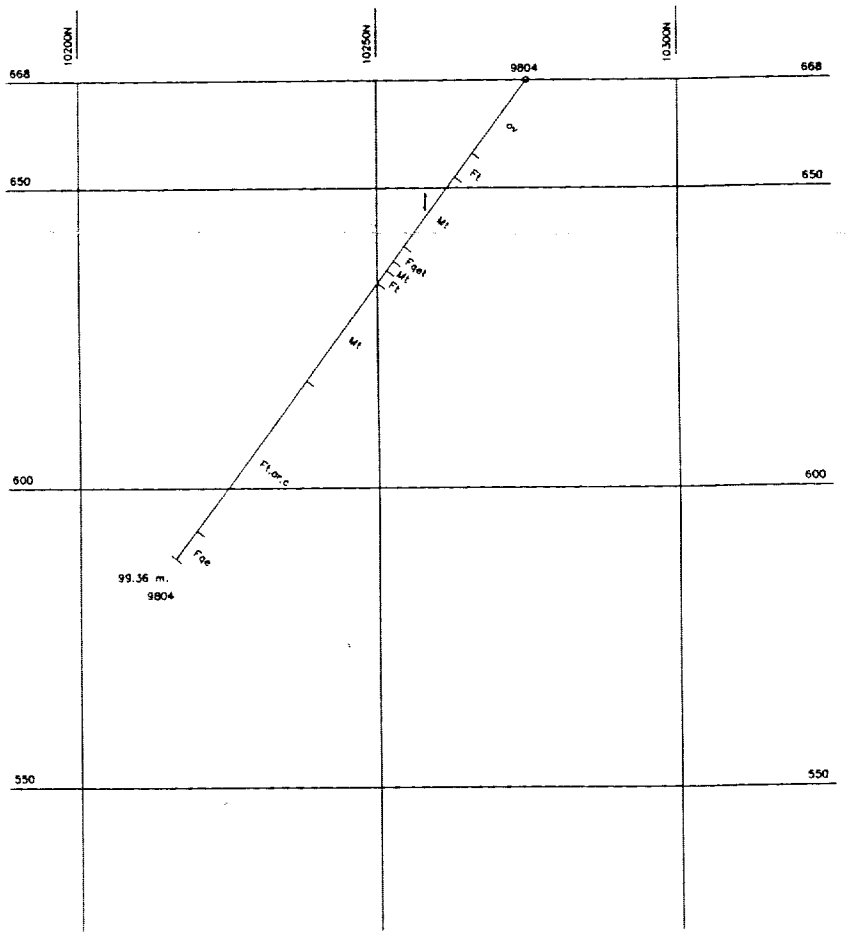
StructFoln: PrimryBed DbsKey: 9

Mineral'n: NVM

Remarks: E.O.H. @ 99.36m

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						

Assays:



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

55/2060/2980

Assays & sample interval (AU-ppb/CU-ppm*/ZN-ppm*)
*except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–04 Section along 96+00W	
Scale: 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9805 | Grid Azimuth: 167 | Collar True Azimuth: 195 | Acid Test Dips: -49 At(m) 120.7 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Solly | Grid Easting: -9907 | Collar Dip: -50 | Acid Test Dips: At(m) | Casing (m): 34.1 | HoleStart: 10/21/98

NTS Ref: 92 B/13 | Grid Northing: 10214 | Elev (m): 657 | Acid Test Dips: At(m) | Casing left: no | HoleFinish: 10/22/98 | Final Depth 120.7

Collar UTM

Target: Eastern extension of auriferous MSSX in Abermin holes 85-40&42 (Coronation Ext.Zone) - collared on road 30m E of hole 85-42

From (m) 34.52 Rock Unit: Andesite lapilli/crystal tuff - 3LaT,XT

To (m): 40.64

Lithology: d greenish greyish, saussuritized plagio grains to 2mm in a f.grained, moderately chloritic matrix, locally silicified; apparently bedded at 25°; unit is pervasively and variably cut by fine qtz-carbonate veinlets creating localized stockworks with very chloritized contacts, also hematized along vein contacts; local epidotization; unit shows fault contact to underlying unit

Structure: weakly foliated; a few scattered fault slips with up to 1cm clayey breccia @ 65-70°; lower unit contact marked by 5cm fault breccia @ 50°

StructFoln: 65 PrimryBed 25 DbsKey: 1

Mineral'n: tr to 1% disseminated py along foliation planes, tr. sph locally

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl 340069	34.82	35.74	0.92	111	48	0.1	4
Smpl							
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm
-Cu values returned from lab as >10000ppm read in this log as 10001

From (m) 40.64 Rock Unit: Rhyolite lapilli/QE crystal tuff - 1LaQET

To (m): 45.71

Lithology: l.grey; f.grained siliceous lapilli-ash matrix containing 20-30% weakly stretched qtz eye grains up to 4mm; at 41.5-43.1m -unit is intensely silicified along foliation plane and locally epidotized; at 40.6m - 15cm of barren qtz veining @ 90° to C.A.

Structure: -pervasive moderate to strong shear foliation @ 35°; faults at 80° to C.A. with gouge breccia to 5cm at 39.67 & 40.2m

StructFoln: 35 PrimryBed DbsKey: 2

Mineral'n: - disseminated py to 1/2% throughout unit, up to 1% in blebby laminations along foliation planes
- @41.5-43.1m, 20% py in disseminated bands up to 2cm thick

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl 340070	44.71	45.71	1	5	14	0.1	4
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m) 45.71 Rock Unit: Andesite lapilli tuff - 3LaT

To (m): 60.70

Lithology: d greenish greyish, f.-coarse grained mafic lapilli, localized epidotized patches up to 5cm, pervasive and variable qtz-carbonate veinlets with local matrix silicification, hematized along vein contacts; conformably grades into lower unit

Structure: -moderately foliated; @ 47.0-47.91m - major fault zone at 10-20° to C.A., showing strong brecc'n of strong chlor'd matrix & stretch/brecc'n of extensive internal qtz veining; 47.91-50.1m - lower fault contact showing sheared qtz stockwork @ 25°; 54.66-55.28m -fault breccia as above; unit sheared 50.51-60.7m @ 45°

StructFoln: 35 PrimryBed DbsKey: 3

Mineral'n: 1-3% disseminated coarse py-po throughout above fault zone; 5-7% disseminated py-po in vague foliation bands

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl 340071	51.21	52.15	0.94	37	42	0.1	4
Smpl 340072	54	54.69	0.69	78	52	0.1	4
Smpl							
Smpl							
Smpl							

Assays:

From (m): 60.70 Rock Unit: Rhyolite lithic tuff - 1LT
To (m): 81.00

Lithology: l.whitish-grey, rhyo lapilli fragments to 2 cm in f.grained qtz-sericite matrix, few chlorite-rich bandings and stretched andesitic fragments; becomes intensely sheared rhyo ash/sericite schist below 65.5m; pervasive stockwork of 'ladder patterned' qtz veinlets up to 1 cm wide showing internal strain fracturing,
- at 77.52-78.08m -blackish argillaceous bandings at 45°;

69.16-69.4m; white 'bull' qtz vein at 75° to C.A.
78.28-78.56m; vein as above, shear brecc'd

Structure: -strong-v.strongly shear foliated 40° to C.A.; intense Z-folding throughout core; 74.8-76.58m -fault at 20° with brecciated QE in sericitic gouge matrix, NVM,

StructFoln: 40 PrimryBed DbsKey: 4

Mineral'n: -trace only py-po along foliation planes
- 3-5% py-po along fol'n planes at 77.52-78.08m

Remarks:

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340073	77.52	78.29	0.77	121	1520	2.2	410
Smpl								
Smpl								
Smpl								

From (m): 81.00 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 98.55

Lithology: whitish-grey (locally d.grey where argillaceous), f-v.f.grained qtz-sericite groundmass with <2% coarse qtz grains; argillaceous parting and thin laminae commence at 87m;

Structure: - weak to moderately foliated at 45° to C.A.;
- 98.34-98.55m; intensely shear brecc'd at 65° to C.A., showing fine qtz 'ladder patterned' veinlets

StructFoln: 45 PrimryBed DbsKey: 5

Mineral'n: -dissemination bands of SMMX (up to 30% locally) py-po with tr. chalcopy at 87.0-87.5m, 88.25-87.6m, 89.84-90.22m, 93.3-93.51m

Remarks: -close to exhalative surface

Assays:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340074	88.33	89.35	1.02	29	66	0.1	20
Smpl	340075	89.35	90.22	0.87	12	40	0.4	30
Smpl	340076	90.22	90.97	0.75	18	150	3.4	115
Smpl	340077	93.27	94.18	0.91	202	188	12.6	120
Smpl								

From (m): 98.55 Rock Unit: Rhyolite ash tuff, cherty/argill - 1DT, Cy
To (m): 109.52

Lithology - as above unit, matrix is distinctly bedded as cherty ash tuff, containing repeated argillaceous partings and laminae with SMMX-MSSX (py-cp-gal-sph) bandings up to 4cm thick each; at 99.95m - late stage, undeformed qtz veins to 2cm containing coarse remobilized py with chalco and sph
-at 103.76-109.52m, -as above, with only few SX partings, also containing minor interbands of QE tuff with 1-2% disseminated py blebs with tr. chalco, sub-unit is pervasively cut by fine qtz-carbonate veinlets, variably oriented

Structure: -massive to v. weakly foliated
-102.68-102.92m; sheared and brecc'd, lithic fragments of cherty rhyolite ash and argillaceous tuff in muddy matrix (auto-breccia?)

StructFoln: PrimryBed 65 DbsKey: 6

Mineral'n: at 98.55-104.65m, repeated 2-4cm massive bands of py-chalco-sph with <1% galena
at 99.7-99.95m; 3-5% chalcopy/py in blebby laminar disseminations
at 102.68-102.92m; 5-7% py and sph disseminated in fault breccia

Remarks: -mineralized exhalative horizons

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl	340078	98.44	99.3	0.86	6310	10001	101	1320
Smpl	340079	99.3	100.24	0.94	4760	10001	36.4	1640
Smpl	340080	100.24	101.35	1.11	6420	5270	18.4	1180
Smpl	340081	101.35	102	0.6	1520	10001	17.6	665
Smpl	340082	102	102.98	0.98	3970	10001	21.2	370
Smpl								

Assays: 340078: Au=1.54 g/t; Ag=1.38 g/t; Cu=0.7%; Pb=1.3%; Zn=9.17%
340079: Au=1.23 g/t; Cu=0.54%; Zn=5.12% 340080: Au=1.23 g/t; Cu=0.66%; Zn=0.59% 340081: Zn=1.4% 340082: Cu=0.42%; Zn=3.02%

From (m): 109.52 Rock Unit: Rhyolite qtz-eye tuff - 1QET

To (m): 120.70

Lithology: 20% qtz eyes 1-5mm in pale greenish grey, v.f grained qtz-sericite matrix, variably cut by fine, late stage undeformed greyish qtz veinlets; unit is distinctly bedded and fines downhole
- 114.6-115.2m, andesitic tuff interbandings with tr py

Structure: -massive to v.weakly foliated unit
-119.7-119.84m; fault gouge at 50° to C.A.

StructFoln: PrimryBed

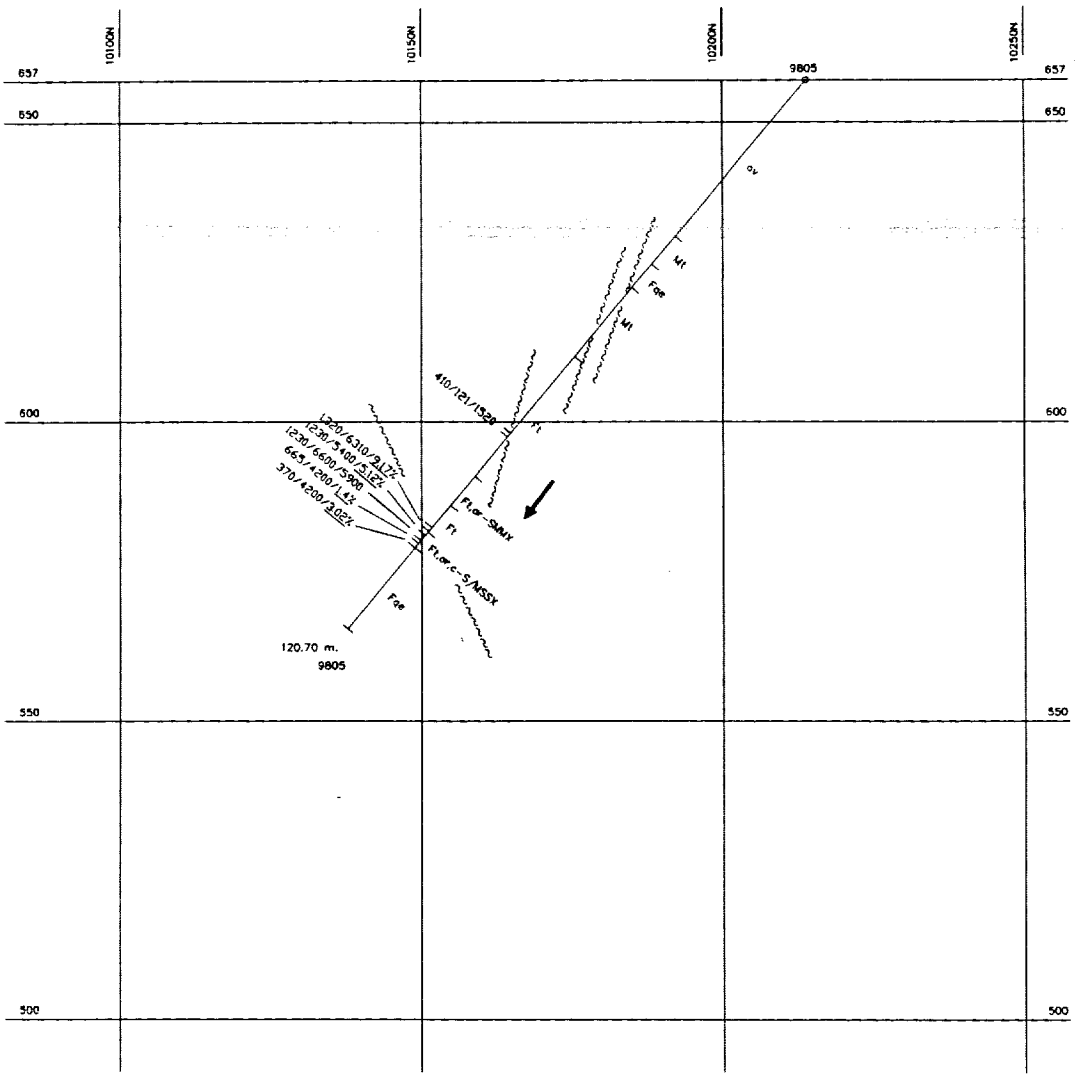
Mineral'n: -trace only py

Remarks: -unit fining downhole (overturned?)
-E.O.H @ 120.7m

DbsKey: 7

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl



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S -Sediments
F -Felsic volcanic (rhyolite)
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M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

55/2060/2980

Assays & sample interval (AU-ppb/CU-ppm*/ZN-ppm*) *except where % shown

NUCANOLAN RESOURCES LTD

Lara Project-Vancouver Is., B.C.

D.D. Hole 98-05
Section along 99+07W

Scale: 1:1000 | Elevations in m.a.s.l.

Looking Minnova grid west to 298° azimuth

Prepared by J.A.Richard, Proj.Geol. - Feb/99

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9806
Claim #: Solly
NTS Ref: 92 B/13

Grid Azimuth: 178
Grid Easting: -10080
Grid Northing: 10170
Collar UTM

Collar True Azimuth: 206
Collar Dip: -45
Elev (m): 658

Acid Test Dips: -43 At(m) 108.5
Acid Test Dips: At(m)
Acid Test Dips: At(m)

Core size: NQ
Casing (m): 17.0
Casing left: no

Core storage: Lara portal site
HoleStart: 10/23/98
HoleFinish: 10/24/98

Logged by J.A. Richard
Final Depth 108.5

Target: Up-plunge westerly continuity of auriferous MSSX in Abermin hole 85-44 (Coronation Ext.zone) -collared 2m E of old Abermin hole 85-47

From (m) 17.00 Rock Unit: Rhyolite crystal tuff - 1XT
To (m): 31.00

Lithology: med.grey crystal tuff, f.grained and equigranular, transluscent siliceous matrix, some thin cherty bandings, rare fine disseminated SX laminae, local qtz veining

-@ 19.5 and 26.5m: qtz veining and silica flooding and contact epidotization up to 30cm wide

-gradation into unit below

Structure: -moderately shear-foliated at 50° to 20.5m;
-discrete thin clayey shear @ 19.5m

StructFoln: PrimryBed DbsKey: 1

Mineral'n: -@ 23.72 and 27.5m; several MSSX laminae of f.grained py-po up to 2cm thick and minor laminae over 0.5-1m of core

Remarks:

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						

From (m) 31.00 Rock Unit: Rhyolite QE and cherty lapilli tuff - 1QELaT.Cy
To (m): 68.20

Lithology: as above unit, now with 5% qtz eyes, numerous argillaceous partings/ laminae and cherty laminae, with increasing frequency downhole ; variably cut by qtz veining and shears as noted;
-@38.7-39.0m; late undeformed qtz vein with 5% blebby py
-@39.6-40.5m; major cherty tuff band and minor py partings, grading to equel cherty and argillaceous bandings from 40.5-42.5m
-@52.23-52.64m; late qtz vein, tr.py
-@56.7-57.3m; qtz vein with contact py-po in blebs and stringers up to 5% locally
-@61.58-61.76m; black argillite band at 50°, cut by thin qtz veinlets

Structure: -@ 39.0-39.6m; strongly sheared argillaceous tuff at 60° to C.A.
-@40.5-42.5m; strongly sheared at 60-80° to C.A.
-@48.0-50.5m; major fault gouge breccia/qtz veining at 0-5° to C.A.
-@52.64; sharp slip fault at 45°to C.A.
-@59.0-59.5m; slip shear at 90° & fold nose axis at 90° in tuff.chert

StructFoln: 55 PrimryBed DbsKey: 2

Mineral'n: -@34.4-35.0m and 37.0-37.3m; numerous MSSX laminae of fine dissem.py-po up to 2cm thick, few stringers, locally 10% py-po, tr.cp

Remarks: -apparently fining downhole, suggesting an overturned sequence

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl 340041	34.38	35.17	0.79	15	6	0.1	10
Smpl 340042	38.8	39.96	1.16	28	50	0.2	35
Smpl						
Smpl						
Smpl						

From (m) 68.20 Rock Unit: Dacite-andesite ash tuff - 2DT
To (m): 89.60

Lithology: med.greenish grey, v.f.grained siliceous matrix with chlorite and 20-40% saussuritized porphyritic plagio up to 4mm;
-@74.3-74.7m, 75.35-75.71m, 80.16-80.31m, 86.14-86.7m; late stage pinkish-white, aphanitic qtz/plag-phyric veins with indistinct metasomatized contact haloes, minor py
-@81.0-83.0m; numerous late qtz veinlets with chloritized contacts, tr.only py-po
-@88.0-89.6m; very cherty tuff, massive
-conformable sharp contact to unit below.

Structure: -weak to mod.foliation at 45° to C.A.
-@71.34-71.52m; fault/gouge breccia at 45° to C.A.

StructFoln: 45 PrimryBed DbsKey: 3

Mineral'n: 1-3%py along veining contacts

Remarks:

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						

From (m) 89.60 Rock Unit: Rhyolite crystal ash tuff - 1XT.DT
To (m) 101.10

Structure: weakly foliated at 40 ° to C.A

Lithology: -as above unit: med grey, f-v f grained and equigranular siliceous matrix

StructFoln: 40 PrimryBed DbsKey: 4

Mineral'n: -rare py-po laminations along foliation planes

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Assays:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

From (m) 101.10 Rock Unit: Diorite - 6-
To (m) 108.51

Structure: massive

Lithology: d.greenish, med.grained and equigranular but f.grained along intrusive chill margins, v.chloritized matrix, 30% saussauritized plagio phenocrysts to 3-4mm

StructFoln: PrimryBed DbsKey: 5

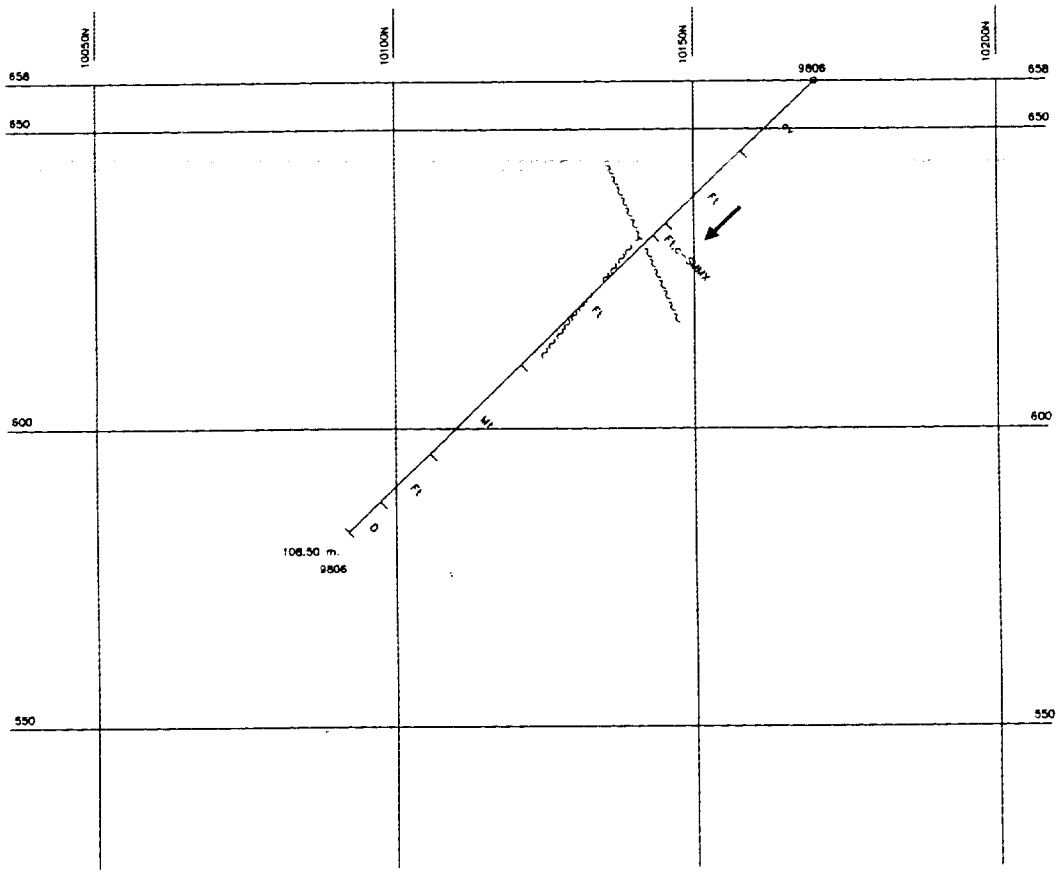
Mineral'n: tr.disseminated py

Remarks: -E.O.H. @ 108.51

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Assays:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

55/2060/2980

Assays & sample interval (AU-ppb/CU-ppm#/ZN-ppm#)
#except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–06 Section along 100+80W	
Scale: 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9807 | Grid Azimuth: 180 | Collar True Azimuth: 208 | Acid Test Dips: -58.5 At(m) 178.6 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Solly | Grid Easting: -9700 | Collar Dip: -60 | Acid Test Dips: At(m) | Casing (m): 6.4 | HoleStart: 10/24/98

NTS Ref: 92 B/13 | Grid Northing: 10372 | Elev (m): 695 | Acid Test Dips: At(m) | Casing left: no | HoleFinish: 10/25/98 | Final Depth 178.6

Collar UTM

Target: Easterly down-plunge extension of auriferous MSSX in Abermin hole 86-80 (east of Coronation Ext zone) -collared on rd 35m SE of holes 86-80&82

From (m) 6.40 Rock Unit: Rhyolite ash tuff, cherty - 1LT.Cy

To (m) 18.80

Lithology: pale greenish grey, v.fine-aphanitic siliceous matrix dominant, <5% qtz grains, numerous conformable cherty tuff bands, including some discrete chert lenses up to 1cm, minor py-po disseminations to 1-3%

Structure: moderately foliated or bedded at 60°

StructFoln: PrimryBed DbsKey: 1

Mineral'n: minor laminae of disseminated py-po 1-3%

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From (m) 18.80 Rock Unit: Diorite - 6

To (m) 24.50

Lithology: dark greenish, f.grained and equigranular crystalline matrix, inner 4m of unit bearing 25-30% plagio phenos, minor calcite, dissolved in sections creating vuggy appearance; no sharp contacts noted

Structure: massive to weakly foliated

StructFoln: PrimryBed DbsKey: 2

Mineral'n: -up to 10% disseminated py throughout matrix

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m) 24.50 Rock Unit: Rhyolite crystal ash tuff - 1CT.DT

To (m) 35.30

Lithology: pale greenish grey, 50% fine qtz grains in v.f. qtz sericite matrix with minor chloritic wisps, well bedded to 70°, minor cherty ash bands becoming numerous below 31m
-@28.5m; deformed qtz vein to 10cm thick at 5° to C.A. forming upper contact to 30cm of fault breccia
-@34.0-35.3m; well laminated, cherty qtz sericite schist (ash tuff) with minor chlorite wisps, bearing SMMX laminae (py-po & tr.chalcopy) up to 0.5cm, well foliated at 30° to C.A.

Structure: -relatively undeformed primary bedding
-@28.6-28.9m; fault and gouge breccia at 5° to C.A.

StructFoln: PrimryBed 70 DbsKey: 3

Mineral'n: -minor disseminated py-po to 1% throughout unit, occ'l dissemination bands 1-2cm with tr.py rimming chalcopy
-@34.0-35.0m; SMMX laminae (py-po & tr.chalcopy) up to 0.5cm.

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m) 35.30 Rock Unit: Andesite tuff - 3T
To (m) 38.00

Lithology: dark greenish grey, v.f grained chlorite-sericite schist, contorted qtz veinlets within unit, conformable quick gradation into lower unit.

Structure: -v.strong, variably contorted foliation

StructFoln: PrimryBed DbsKey: 4

Mineral'n: NVM

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m) 38.00 Rock Unit: Rhyolite ash tuff (qtz ser.schist) - 1DT
To (m) 53.80

Lithology: pale greenish l.grey, <5% qtz eyes to 5mm in v.f.-aphanitic qtz sericite matrix, few crystal tuff laminae up to 1cm
-@44.4-44.7m; qtz-carbonate vein, chloritized contact & blebby SX
-@44.7-47.0m; cherty tuff laminae with numerous thin SMMX laminae up to 1cm
-@52-53.8m, thinly laminated SMMX, some argillaceous wisps, primary bedding at 50° to C.A.
-grades quickly into unit below.

Structure: -strongly foliated at 25° to C.A., to 44m

StructFoln: 25 PrimryBed DbsKey: 5

Mineral'n: -generally up to 1% disseminated py-po throughout matrix; locally up to 5% in crystal tuff laminae
-@44.4m; qtz-carb vein with blebby py-po to 3%, with tr.sph
-@52-53.8m; thinly laminated py-po to 5% locally with tr.chalcopy

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl 340031	47.55	48.72	1.17	406	122	0.2	45
Smpl 340032	51.7	53.13	1.43	116	44	0.4	85
Smpl							
Smpl							
Smpl							

Assays:

From (m) 53.80 Rock Unit: Andesite tuff - 3T
To (m) 102.20

Lithology: dark greenish grey, f.-v.f.grained crystal tuff and ash tuff bands, well bedded with occ'l carbonaceous/argillaceous wisps, locally becoming chlorite-sericite schist in minor bands up to 1cm
-@77.8m, 80.4-81.0m; qtz veinlets and variably oriented stringers with blebby contact py and minor chalcopy and laminae up to 2cm
-@87.3-88.0m, multiple qtz veinlets with 1% contact chalcopy
-@92.45-93.35m; massive qtz vein, barren, v.chloritized wallrock within 1m
-@101.0-101.2m; qtz vein, barren

Structure: -weakly to locally moderate foliation
-@100-102.2m, mod.strong foliation at 20°

StructFoln: PrimryBed 65 DbsKey: 6

Mineral'n: -localized fine disseminated py-po laminae to 1-5%, plus variable disseminations throughout unit
-@74.4-75.0m; multiple thin SMMX-MSSX laminae, 25-50% fine py-po with minor chalcopy and tr.sph

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl 340039	73.32	74.46	1.14	401	230	0.6	50
Smpl 340040	74.46	75.22	0.76	3440	176	1.8	140
Smpl 340033	80.55	81.39	0.84	5280	184	1.4	20
Smpl 340034	84.69	85.92	1.23	2780	212	0.8	30
Smpl 340035	87.28	87.98	0.7	916	156	0.4	4
Smpl							

Assays: 340033=0.54%Cu, 340040=0.36%Cu;

From (m) 102.20 Rock Unit: Sediments-tuffaceous chert and ironstone - 5

To (m) 105.90

Structure: -well laminated

Lithology: -@102.2-104.55m; blackish d.green siliceous aphanitic matrix, well laminated to 35°, chlorite-silicate chert, some calcareous amygdules, thin laminae of disseminated py-po
-@104.55-105.9m; blackish, magnetic magnetitie-chlorite-silicate facies, tr. only SX partings, well laminated at 35°
-sharp, conformable contact to below unit

StructFoln: PrimryBed 35 DbsKey: 7

Mineral'n: -minor disseminated fine py-po laminae

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From (m) 105.90 Rock Unit: Rhyolite lapilli tuff - 1QELaT

To (m) 110.26

Structure: -primary bedding at 20°

Lithology: l.grey, whitish qtz frags up to 3cm, generally 3-4mm in v.f.grained-aphanitic siliceous matrix, well bedded at 20°

StructFoln: PrimryBed 20 DbsKey: 8

Mineral'n: -trace only disseminated py-po

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From (m) 110.26 Rock Unit: Diorite - 6

To (m) 118.30

Structure: -massive to weakly foliated

Lithology: d.greenish, felty chloritized f.grained matrix with access.magnetite and calcite, 30-40% saussuritized plagio pheno porphry, minor qtz-calcite veinlets

StructFoln: PrimryBed DbsKey: 9

Mineral'n: -1% disseminated py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From (m): 118.30 Rock Unit: Rhyolite QE lapilli tuff - 1QELa.DT

To (m): 137.85

Lithology: whitish to pale greenish grey, 10-20% qtz grains in v.f.grained qtz-sericite matrix (qtz-sericite schist), localized wisps of greenish fuchsite/mariposite, some fine blackish carbonaceous partings, and some clayey whitish sericite laminae
-@124.5-125.75m; chlorite schist layer with interbedded whitish sericitic and blackish (carbonaceous?) laminae with py-po lenses 5-7%, v.soft
-@127.6-137.85m; numerous qtz veinlets, variably oriented as fracture fills, silicified contacts haloes, local blebby py-po & tr. chalcopy
-@130-135m; good bluish transluscent qtz eyes to 5mm

Structure: -moderately foliated at 20°
-@134.14m, fault/gouge breccia over 10cm, at 60° to C.A.

StructFoln: 20 PrimryBed DbsKey: 10

Mineral'n: -generally 1-3% disseminated py-po, and in thin laminae, tr.chalcopy; local blebby py-po along vein contacts

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340036	122.2	123.37	1.2	17	24	0.1	4
Smpl	340037	132.32	133.7	1.4	50	48	0.1	4
Smpl								
Smpl								
Smpl								

Assays:

From (m): 137.85 Rock Unit: Andesite lapilli tuff, argillaceous - 3LaT

To (m): 178.61

Lithology: d greenish to locally blackish grey, f.-v.f.grained matrix, local minor interlaminated bands up to 0.5m of l.greyish rhyolite QE (<10%) tuff, plagio porphyritic below 144m (up to 30%), epidotization alt'n.
-@142.76-143.0m, 143.21-143.3m, 144.1-144.3m; white qtz veins with coarse contact py, chloritized contacts
-@161.17-161.6m; well laminated argillaceous tuff, some chrty lams
-@161.6-161.8m, 163.0-163.32m; qtz veinlet microstockworks, local brecc'n and wallrock silicification/chloritization, blebby py,tr.cp
-@166.5-178.61m; lithic tuff, large andesitic lapilli up to 6cm, silicified and epidotized, in fine muddy mafic tuff matrix, vague primary bedding at 45°

Structure: -well bedded at 45-50°
-weak shear foliation overprint at 30° below 144m

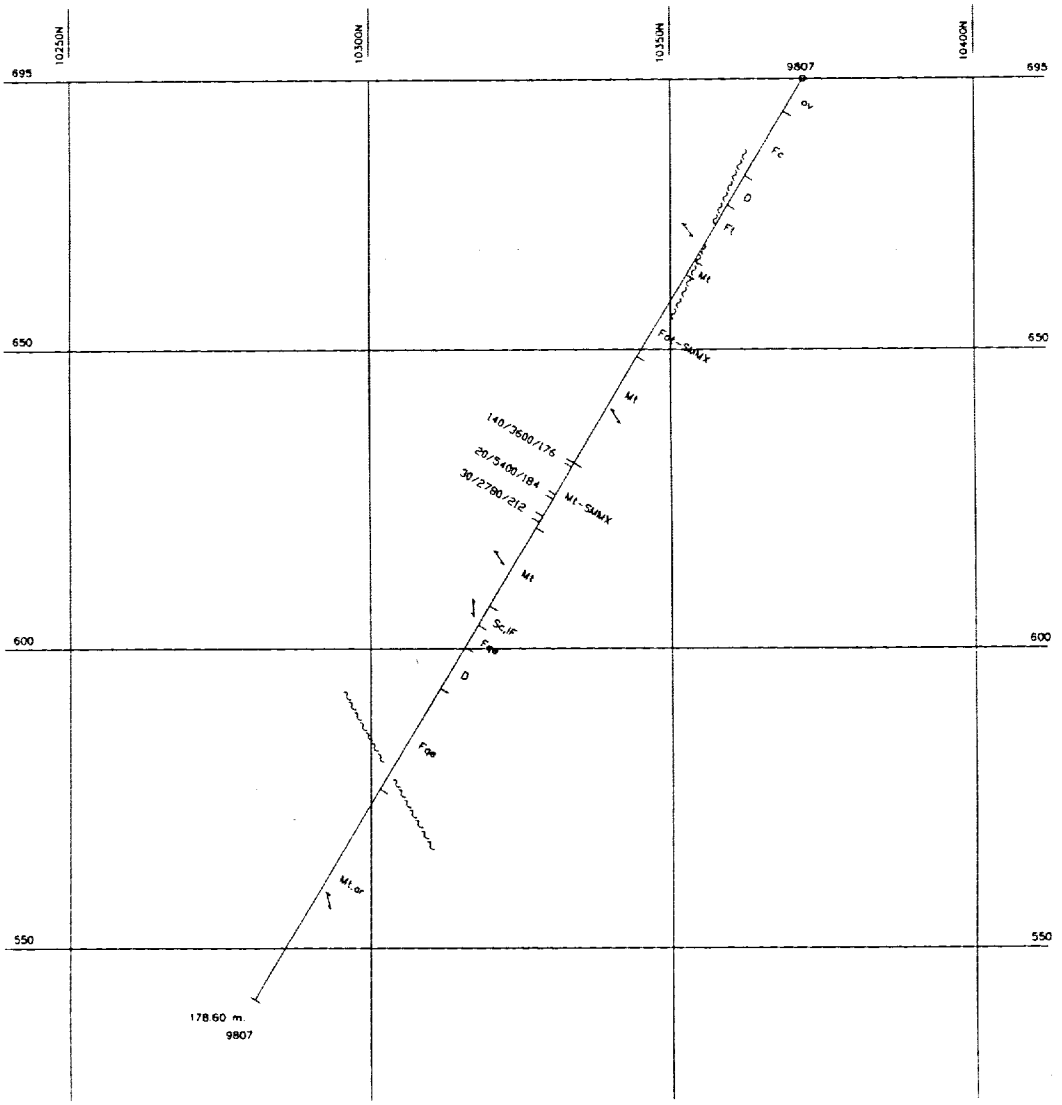
StructFoln: 30 PrimryBed 45 DbsKey: 11

Mineral'n: -disseminated 'streaky' fine py-po throughout, locally 1-3% in laminae, up to 5% coarse blebbing along vein contacts, tr.chalcopy
-@143.4-143.73m; SMMX (py-po) laminations up to 2-3cm

Remarks: E.O.H. 178.61m

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340038	141.5	142.5	1	33	40	0.1	4
Smpl								
Smpl								
Smpl								

Assays:



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

55/2060/2980

Assays & sample interval
(AU-ppb/CU-ppm#/ZN-ppm#)
#except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–07 Section along 97+00W	
Scale: 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9808 | Grid Azimuth: 185 | Collar True Azimuth: 213 | Acid Test Dips: -80.5 At(m) 181.6 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Solly | Grid Easting: -10233 | Collar Dip: -82 | Acid Test Dips: At(m) | Casing (m): 4.3 | HoleStart: 11/16/98

NTS Ref: 92 B/13 | Grid Northing: 10235 | Elev (m): 644 | Acid Test Dips: At(m) | Casing left: yes | HoleFinish: 11/17/98 | Final Depth 181.66

Collar UTM

Target: Extension of auriferous MSSX in Abermin hole 87-182 and Minnova hole 90-241(east limit of Coronation Zone)-collared on rd at Abermin 85-56 site

From (m) 4.30 Rock Unit: Andesite lithic tuff - 3LT

To (m): 14.90

Lithology: d greenish blackish, v.f.-f.grained chloritic and muddy (argillaceous) matrix, bearing small epidotized, greenish-buff lithic fragments, matrix supported, minor magnetite, few variable qtz-calcite veinlets -conformable contact to lower unit.

Structure: -weakly to non-foliated
-crude bedding at 25° to C.A.

StructFoln: PrimryBed 25 DbsKey: 1

Mineral'n: -trace po-py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm
-poorly mineralized. NO SAMPLES TAKEN FROM THIS HOLE

From (m) 14.90 Rock Unit: Rhyodacite crystal ash tuff - 1CTDT

To (m): 31.40

Lithology: med.-l., pale greenish grey, v.f.-f.grained and equigranular, siliceous matrix with trace chlorite and interstitial sericite, <5% qtz/saussuritized felds grain to 4mm

Structure: -weakly foliated
-textural bedding at 25° to C.A.

StructFoln: PrimryBed 25 DbsKey: 2

Mineral'n: -trace disseminated po-py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m) 31.40 Rock Unit: Andesite lithic tuff - 3LT

To (m): 38.35

Lithology: -as in unit above 4.3-14.9m, coarse epidotized, matrix supported lithic fragments up to 6cm, to 25%, minor qtz-calcite veinlets, rapid conformable gradation to lower unit.

Structure: -crudely bedded at 25° to C.A.
-weak to moderate foliation overprint

StructFoln: PrimryBed 25 DbsKey: 3

Mineral'n: -trace disseminated po-py, local blebbing to 1-3%

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m): 38.35 Rock Unit: Rhyodacite lapilli tuff - 1LaT
To (m): 45.57

Lithology: pale greenish-lgrey, v f grained to aphanitic, siliceous & weakly sericitic matrix, contains up to 5% qtz grains/frags to 5mm, minor saussuritized felds
-@45.43-45.57m, numerous conformable laminae of black tuffaceous argillite, grades into ..

Structure: -bedded at 20-30° to C.A
-@44.92-45.03, shear zone and brecciated rhyolite at 45° to C.A

StructFoln: PrimryBed 25 DbsKey: 4

Mineral'n: -trace disseminated po-py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m): 45.57 Rock Unit: Andesite lithic tuff - 3LT
To (m): 61.62

Lithology: d.blackish greenish-grey, v f-f.grained blackish argillaceous and chloritic matrix, bearing epidotized, irregular lithic tuff fragments to 3cm (matrix supported), wispy discrete argillite partings increasing downhole
-@47.8-49.3m, conformable band of rhyolite lapilli tuff, as in above unit
-@57.8-59.62, argillite bearing tuffaceous fragments, clearly laminated as sediment at 30°
-@59.62m, rapid gradation to argillaceous andesite lapilli tuff, fining downhole to tuffaceous argillite again by 61.0m

Structure: -crude primary bedding at 30° to C.A
-weak to non-foliated
-@57.2m, 10cm intense shearing at 45°, contorted lower contact

StructFoln: PrimryBed 30 DbsKey: 5

Mineral'n: -trace po-py, mineral-poor

Remarks: -volcaniclastics, showing fining down Bouma-type sequences - overturned sequence apparent

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m): 61.62 Rock Unit: Rhyodacite ash tuff, cherty - 1DT.Cy
To (m): 65.10

Lithology: med.grey to pale greenish grey, v f.grained to aphanitic siliceous matrix, vaguely bedded with some cherty tuff bands to 1cm
-@63.16-63.5m, numerous discrete chert bandings and tuffaceous cherts, well bedded
-unit grades conformably into..

Structure: -bedding at 10

StructFoln: PrimryBed 10 DbsKey: 6

Mineral'n:

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m): 65.10 Rock Unit: Andesite lapilli tuff -3LaT
To (m): 68.74

Lithology: d blackish greenish, f-v.f.grained argillaceous and chloritic matrix, bearing buff, epidotized lithic tuff fragments up to 4cm in diam., 15% of core, as above units; argillaceous wisps in matrix
-@67.0-68.05m, rhyodacite ash tuff band, 3cm shear at 50° to C.A. at 67.21m
-@67.86m, 1cm band of tuffaceous chert and 1-2% dissem. Po

Structure: -@66.87-67.0m, strongly sheared with undeformed qtz vein & chlor. at 90° to C.A.
-unit is moderately shear foliated at 65° below 68.05m

StructFoln: PrimryBed DbsKey: 7

Mineral'n: -<1% po-py disseminated, 1-3% 'streaky' po-py below 68.05m

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m To(m) Intrvl(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

From (m): 68.74 Rock Unit: Rhyodacite ash tuff - 1DT
To (m): 71.95

Lithology: pale greenish grey, v.f.grained to aphanitic, siliceous and weakly sericitic matrix, trace chlorite wisps, variable qtz veinlets below 70m, essentially qtz-sericite schist

Structure: -weakly foliated
-@71.71, unit becomes strongly shear foliated at 60°

StructFoln: 60 PrimryBed DbsKey: 8

Mineral'n: -blebby py and minor po to 1% throughout, 3% locally along bedding laminae, 5% along vein contacts
-@71.71m+, locally up to 5% blebby py

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m To(m) Intrvl(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

From (m): 71.95 Rock Unit: Andesite lithic tuff - 3LT
To (m): 77.53

Lithology: d.blackish greenish grey matrix, f.grained-argillaceous and v.chloritic, containing 10-20% large patches up to 10cm of variably epidotized, buff lithic tuff patches, minor saussuritized felds xstals in matrix, unit vaguely fines downward
-@76.51-76.92m, conformable band of buff grey rhyolite ash tuff
-@76.92-77.53m, v.cherty lithic tuff grades to very argillaceous banded
-conformable rapid gradation to unit below.

Structure: -numerous discrete shear slips throughout at 55° to C.A.
-@76.92-77.53m, pervasive moderate shear foliation at 55° to C.A.

StructFoln: 55 PrimryBed DbsKey: 9

Mineral'n: -trace po-py

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m To(m) Intrvl(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

From (m): 77.53 Rock Unit: Rhyolite crystal ash tuff - 1CTDT
To (m): 82.90

Lithology: buff-l grey, v.f.grained to aphanitic siliceous matrix with minor sericite, essentially qtz-sericite schist, rare wisps of bright chrome greenish fuchsite or mariposite
-@81.9m, 2cm white qtz vein in shear breccia at 45°
-by 82m, matrix fuchsite increases to 1-3%
-unit grades quickly to

Structure: -pervasive moderate shear foliation at 55° to C.A.
-@81.9m, 4cm shear breccia at 45°

StructFoln: 55 PrimryBed DbsKey: 10

Mineral'n: -matrix throughout unit peppered with up to 3% py euhedra and blebs, locally up to 5%

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 82.90 Rock Unit: Rhyolite QE/ash tuff -1QEDT
To (m): 85.23

Lithology: -as in above rhyolite crystal tuff, with addition of distinct qtz eyes up to 0.5cm, slightly stretched, comprising 3-5% of core
-@83.31-85.23m, QE decrease in volume to 1-3%

Structure: -weakly foliated at 45° to C.A.
-@83.31-85.23m, unit becomes strongly shear foliated at 45° to C.A.
-lower bedding contact at 15° to C.A.

StructFoln: 45 PrimryBed 15 DbsKey: 11

Mineral'n: -up to 3% po-py blebs

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 85.23 Rock Unit: Andesite lithic tuff - 3LT
To (m): 94.15

Lithology: d.blackish greenish grey, v.f.-f.grained chloritic and muddy (argillaceous) matrix, bearing large irregularly shaped, variably epidotized lithic tuff fragments up to 4cm, argillaceous wisps in matrix increase downhole (fining downward) to discrete laminae
-@86.6m, 3cm white qtz-calcite vein at 45° to C.A., heavily chloritized contacts
-@87.4-88.15m, 88.15-89.65m, conformable interbands of rhyodacite qtz eye tuff, pale greenish buff-grey, v.f.grained siliceous matrix, contains 5% bluish qtz eyes to 1cm, conformable contacts at 20° bedding angle
-@89.6-90.2m, white qtz-calcite veining within shear at 20°

Structure: -weakly to non-foliated
-@89.6-90.2m, strong shear zone at 20° to C.A.

StructFoln: PrimryBed 20 DbsKey: 12

Mineral'n: -po-py blebs to 1% in matrix, and along vein contacts, locally up to 5-7%

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 94.15 Rock Unit: Dacite crystal lapilli tuff - 2XLaT
To (m): 97.82

Lithology: d.-med. grey and pale greenish grey, v.f.grained to aphanitic, equigranular siliceous and weakly chloritic matrix, <10% qtz/feld grains 2-4mm
-@96.1-96.3m, 20cm white barren qtz vein at 40° to C.A., heavily chloritized contacts
-@97.53-97.82m, dacite grades to rhyolite cherty ash tuff, whitish grey, aphanitic siliceous&sericitic (qtz-sericite schist)

Structure: -vague textural bandings at 15° to C.A.
-weakly foliation overprint at 45°
-@96.3m-97.53m, strongly sheared at 40° with internal sheared and contorted qtz veining

StructFoln: 45 PrimryBed 15 DbsKey: 13

Mineral'n: - < 1% disseminated py
-@97.53-97.82m, a few disseminated po-py bandings up to 0.5cm, 3-5% locally

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb	Smpl
							Smpl
							Smpl
							Smpl
							Smpl
							Smpl

Assays:

From (m): 97.82 Rock Unit: Andesite lithic tuff, argill's - 3LT-5
To (m): 105.88

Lithology: blackish-d greenish grey, v.f.grained to aphanitic muddy matrix as in above unit 85.23-94.15m, bearing epidotized lithic fragments up to 4 cm, unit fines downhole with matrix >60% by 100m, with discrete minor argillite bands up to 0.5cm thick
-by 101.2m, distinctive roundish blue 'qtz eyes' to 0.5cm appear in matrix, up to 7%
-@101.68-102.48m, interband of rhyodacite QE crystal tuff as in above unit at 82.9-85.23m
-@102.48-105.88m, andesite lithic tuff becoming volcaniclastic sediment, blackish argillaceous matrix and discrete argillite laminae >50%, lithic fragments < 1cm - fining downhole sed. Sequence

Structure: -weakly to moderately shear foliated at 45° to C.A.

StructFoln: 45 PrimryBed DbsKey: 14

Mineral'n: -trace disseminated po-py

Remarks: Bouma-type fining down sequence in volcaniclastics-sediment sequence - overturned bedding

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb	Smpl
							Smpl
							Smpl
							Smpl
							Smpl
							Smpl

Assays:

From (m): 105.88 Rock Unit: Rhyodacite QE crystal tuff - 1,2QECT
To (m): 106.82

Lithology: conformable band of pale greenish grey, f.grained and siliceous xstalline matrix bearing bluish qtz eyes to 0.5cm in diameter

-@106.48m, discrete 2cm band of finely laminated argillite

Structure: -primary bedding evident to 30° to C.A.

StructFoln: PrimryBed 30 DbsKey: 15

Mineral'n: -trace po-py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb	Smpl
							Smpl
							Smpl
							Smpl
							Smpl
							Smpl

Assays:

From (m): 106.82 Rock Unit: Andesite lapilli/lithic tuff,arg - 3LaTLT
To (m): 122.18

Lithology: d.greenish blackish -grey, f.grained and equigranular matrix, moderately chloritic, <10% saussuritized felds grains, variably cut by qtz-calcite veinlets below 109.3m
-@108.25-109.3m, increasing argillite laminae and fining downhole, large 3cm band of well laminated argillite at 108.9m
-@109.3-117m, unit grades into argillaceous and chloritic lithic tuff, epidotized lithic fragments up to 8cm, argillaceous wisps becoming discrete laminae downhole
117-122.18m, andesite grades into f.-v.f.grained and equigranular tuff, no lithic fragments, minor saussuritized felds xstals, texturally bedded, no visible mineralization

Structure: -primary bedding at 30°
-weak to moderate foliation fabric, coincident at 30-40°

StructFoln: 35 PrimryBed 30 DbsKey: 16

Mineral'n: -trace po-py blebbing only

Remarks: -fining downhole, overturned sequence

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 122.18 Rock Unit: Rhyolite crystal tuff - 1CT
To (m): 131.62

Lithology: buff-l.grey, f.-med.grained siliceous and equigranular matrix, porridge textured, grain-supported, becoming v.f.grained siliceous ash tuff by 128m
-@129.9-131.62m, pervasive qtz veinlet stockwork and silica fracture fills, no significant mineral'n
-@130.47-131.62m, numerous minor, discrete argillaceous laminae, fining downhole
-@131.62m, qtz vein in shear, mother vein to overlying stockwork

Structure: -conformable upper contact at 10°
-laminae horizons at 30° to C.A.
-lower shear contact at 90° to C.A.

StructFoln: PrimryBed 30 DbsKey: 17

Mineral'n: -blebby and disseminated po-py to 1% throughout
-129.9-131.62m, a few minor conformable laminae of disseminated po-py with argillite, locally to 3%

Remarks: -no significant mineralization beyond minor disseminated po-py

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 131.62 Rock Unit: Andesite lithic tuff - 3LT
To (m): 133.80

Lithology: d.greenish blackish, f.grained to aphanitic muddy matrix, minor buff lithic fragments in 70% argillaceous tuff matrix, gradually grades muddier to lower unit..

Structure: -textural bedding at 30° to C.A.
-weakly foliated

StructFoln: PrimryBed 30 DbsKey: 18

Mineral'n: NVM

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 133.80 Rock Unit: Sediments, arg mudstone - 5
To (m): 143.76

Lithology: -overlying volcaniclastic dissaggregates into predominant blackish, tuffaceous argillite matrix, >70% of core, minor suspended lithic tuff fragments, fining downhole
-@143.2m, textural gradation into argillaceous fine andesitic tuff

Structure: -primary bedding at 10° to C.A.

StructFoln: PrimryBed 10 DbsKey: 19

Mineral'n: -blebby po 1-3% at 134.5m horizon

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m): 143.76 Rock Unit: Rhyodacite crystal/ash tuff, arg - 1CTDT
To (m): 181.66

Lithology: med.-l.grey to pale greenish grey, f.-v.f.grained siliceous-sericitic matrix, discrete argillaceous horizons as noted, fining downhole
-@144.76-145.7m, intensely sheared qtz-sericite schist
-@156.64m, 5cm argillite band, numerous argillaceous bands and increasingly muddy tuffaceous matrix downhole to 159m
-@159m, textural gradation to well sorted ash tuff, fining downhole into increasingly argillaceous matrix
-@171.56-172.52m, brecc'd vein qtz and rhyodacite in muddy fault
-@175.58-176.73m, strongly contorted banded argillite and lesser argill's tuff bands
-@176.81-181.66m, crystal tuff with grains to 4mm

Structure: -upper/lower contacts faulted at 45°, intensely sheared and altered to sericite-chlorite gouge clay bearing brecc'd qtz vein frags
-unit is moderately shear foliated at 55° to C.A.
-discrete shear horizons throughout unit at 55°, at 146.46, 148.22, 171.56-172.52m, 173-173.2m; -@176.81m, 4cm shear at 35°

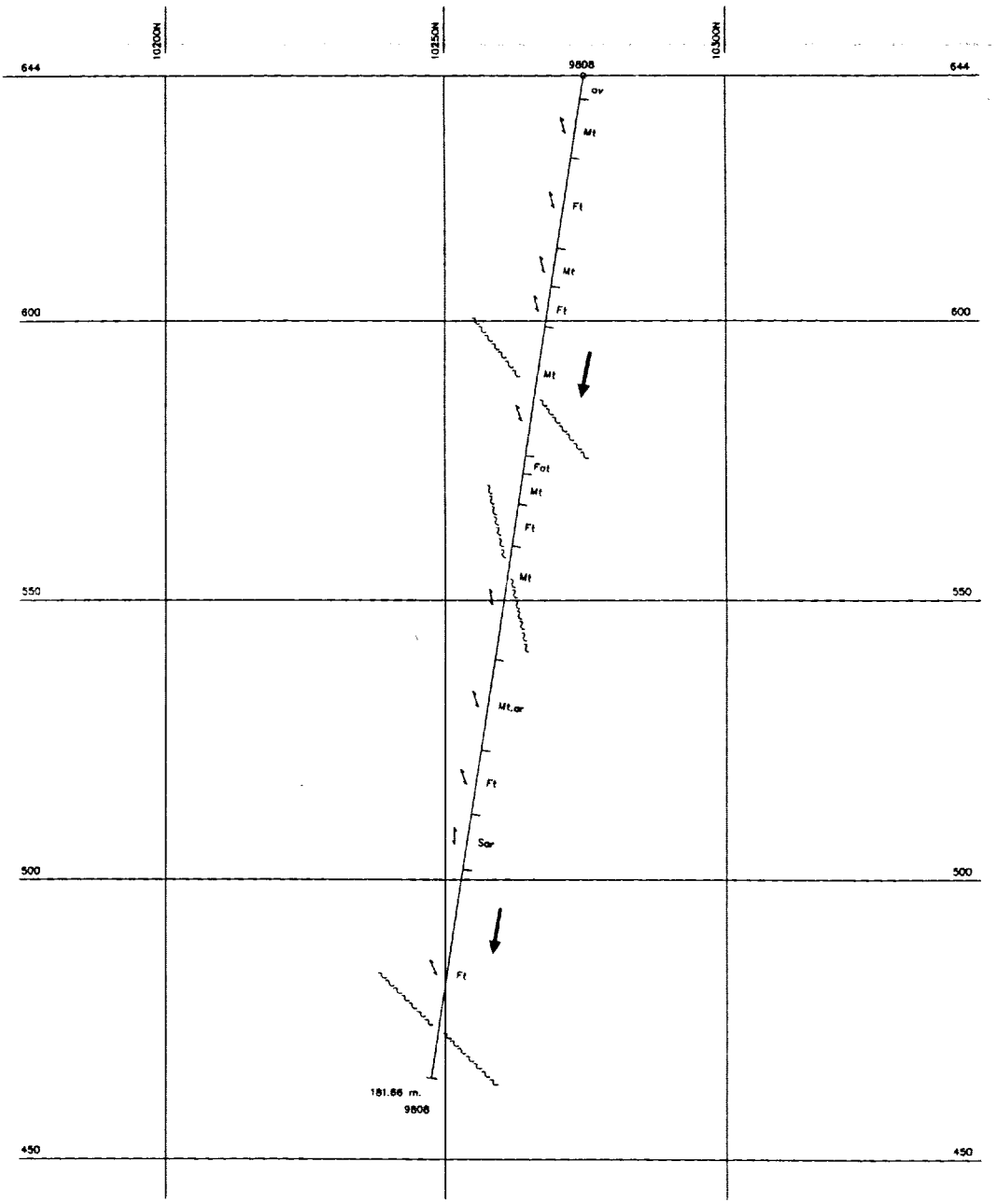
StructFoln: 55 PrimryBed 35 DbsKey: 20

Mineral'n: -trace amounts of po-py, metal-poor sequence

Remarks: -volcaniclastic Bouma-type sequences fining downhole - overturned bedding E.O.H. @ 181.66m

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

55/2060/2980

Assays & sample interval (AU-ppb/CU-ppm#/ZN-ppm#)
#except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–08 Section along 102+33W	
Scale: 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9809 | Grid Azimuth: 0 | Collar True Azimuth: 28 | Acid Test Dips: -83 At(m) 94.79 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Solly | Grid Easting: -10295 | Collar Dip: -83 | Acid Test Dips: -75.5 At(m) 184.71 | Casing (m): 4.3 | HoleStart: 11/18/98

NTS Ref: 92 B/13 | Grid Northing: 10195 | Elev (m): 632 | Acid Test Dips: At(m) | Casing left: no | HoleFinish: 11/19/98 | Final Depth 184.7

Collar UTM

Target: Continuity of auriferous MSSX on eastern down-plunge extension of Coronation Zone (drilling downdip) -collared on rd next to Abermin hole 87-202

From (m) 4.30 Rock Unit: Andesite crystal tuff - 3CT

To (m) 47.50

Lithology: d.greenish-blackish grey, f.-v.f.grained chloritic groundmass with wispy argillaceous/graphitic partings below 20m;, contains <20% epidote-altered feldspars to 4mm, variably cut by qtz-calcite veinlets with chloritized contacts, some cherty tuff bands up to 20cm; matrix becomes v.f.grained-aphanitic cherty tuff by 29.2m
-@33.65-34.32m; barren white qtz vein
-@37.2-38.5m; numerous bands up to 20cm of 30% bluish qtz eyes in mafic matrix, eyes stretched sub-parallel to C.A., NVM
-@43.1-44.0m; several argillite bands up to 2cm
-@44.5-47.5m; andesite lithic tuff, epidotized lapilli fragments
-conformable but distinct contact to underlying unitl

Structure: -weak foliation overprint
-well bedded

StructFoln: PrimryBed 10 DbsKey: 1

Mineral'n: -pervasive minor disseminated py-po

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From (m) 47.50 Rock Unit: Basalt - 4

To (m) 67.62

Lithology: d.blackish green grey, f.grained and equigranular 1-2mm, v.chloritized matrix overall, strongly carbonatized, talcose partings, v.soft, essentially chlorite-carbonate schist, variably cut by qtz-calcite veinlets
-@67.62m; lower fault/shear contact at 30° to C.A.

Structure: -moderately foliated at 25°
-@60.3m; 20cm wide shear at 80° to C.A.
-@62.85-67.62m; intensely shear-faulted, qtz vein fragments in chloritic gouge clay, tightly Z-folds noted, lower contact at 30°

StructFoln: 25 PrimryBed DbsKey: 2

Mineral'n: -trace only py-po

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						

Assays:

From (m) 67.62 Rock Unit: Rhyolite lapilli tuff, QE tuff - 1La, QET

To (m) 92.84

Lithology: pale greenish grey, qtz eyes to 10%, up to 5mm, in f.grained qtz-sericite matrix (qtz-sericite schist), occ'l cherty tuff and ash laminae, few argillaceous laminae up to 0.5cm with minor SX
-67.62-74.0m; fault/sheared gouge clay (kaolin-sericite) bearing rhyo tuff fragments
-@71.13-71.59m; barren white qtz vein
-@82.52-85.4m; v.f.grained ash tuff, distinct cherty horizons, rare qtz eye laminae, a few argillaceous laminae
-@87.17-87.64m; qtz vein with 3% contact blebby py, silicified halo
-some SMMX bandings of py-po to 20% below 88m

Structure: -weakly to strongly foliated at 30°, good primary bedding at 45°
-@67.62-74.0m; upper part of unit within shear zone at base of above unit, is sericitic/kaolinized clayey fault gouge fol'd at 30°

StructFoln: 30 PrimryBed 45 DbsKey: 3

Mineral'n: -disseminated py-po to 1-3% in discrete laminae up to 1cm
-@88.0-90.4m, 91.5-1.64m; 10-20% finely net-textured py-po in bands up to 10cm within QE tuff matrix

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl	340044	87.96	89.44	1.48	37	18	0.1	10
Smpl						
Smpl						
Smpl						

Assays:

From (m): 92.84 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 111.70

Lithology: l.buff-grey, v.f.grained and equigranular qtz-sericite matrix, alternating beds up to 2m each of ash tuff with minor interbedded bands of fine lapilli tuff with <5% qtz grains to 3mm
-@94.26m; 10cm barren qtz vein

Structure: -bedded at 45°
-@102.3-102.53m; fault gouge breccia, indistinct dip angle to C.A.
-@108.68m & 110.22m; 2cm slip fault and gouge at 45°

StructFoln: PrimryBed 45 DbsKey: 4

Mineral'n: -trace only py-po

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 111.70 Rock Unit: Rhyolite lapilli & QE tuff, argillaceous - 1LaQET
To (m): 138.80

Lithology: l.grey, f-v.f.grained qtz sericite matrix, variably banded with qtz eye grains as noted, also containing argillaceous bandings as noted, with f.grained po-py disseminations as laminae
-@121.54-123.85m; blackish green laminated argillaceous tuff, hosting a 0.53m wide barren qtz vein @ 123.12m-bleach halo
-@123.85-124.7m; argillaceous chert and chert, laminated at 40°, underlain by black argillite showing minor offsets and qtz veinlets
-@124.7-138.22m; lapilli QE tuff, 70% qtz eyes up to 8mm, variably cut and locally bleached by qtz-albite veinlets, intensifying downhole
-@138.22-138.8m; black argillite, some tuffaceous lenses, tr.po-py

Structure: -generally bedded at 40°
-local moderately strong shear foliations 20-40° (avg 30)
-@124.7m; 10cm of fault gouge breccia at 45° to C.A., other 45° slips at 128.7m & 129.12m

StructFoln: 30 PrimryBed 40 DbsKey: 5

Mineral'n: -poorly mineralized, trace to 1% po-py in discrete horizons

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 138.80 Rock Unit: Rhyolite ash tuff & SMMX,MSSX - 1DT
To (m): 142.44

Lithology: l.buff-grey, bleached (albitized?-orangy cream colour) qtz-sericite, minor argillaceous partings and fine po-py laminations increasing downhole gradually into SMMX and MSSX as noted
-@140.15-140.86m; sharp contact to blackish MSSX (90% of core)
-@140.86-142.34m; SMMX and MSSX bandings (40-50% of core) with minor rhyo ash laminae, net-textured chalcopy dominant
-@142.34-142.44m; white qtz vein, 50% being coarse remobilized net-textured chalcopy

Structure: -good primary laminations at 40°

StructFoln: PrimryBed 40 DbsKey: 6

Mineral'n: -@140.15-140.86m; MSSX is 70% sph, py-po 10%, chalcopy 5% but increasing downhole; 140.86-142.34m, 60% of mineral'n is coarse net textured chalco with sph matrix

Remarks: -primary VMS type massive sulphides similar to high-grade Coronation Zone mineralization, cut by later mineralized stringer qtz vein

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl	340045	140.2	140.9	0.7	10001	10001	101	8710
Smpl	340046	140.9	141.55	0.7	10001	10001	53.8	815
Smpl	340047	141.6	142.32	0.63	10001	10001	39.2	2510
Smpl	340048	142.3	143.36	1.04	10001	1095	22.2	690
Smpl								
Smpl								

Assays: 340045; Pb=>10000ppm, Cu=1.42%, Zn=32.3%, Ag=225 g/t, Au=8.09 g/t
340046; Cu=4.09%, Zn=12.75%, 340047; Cu=3.01%, Zn=10.35%, Au=1.92 g/t
340048; Cu=1.8%

From (m): 142.44 Rock Unit: Rhyolite ash tuff & SMMX - 1DT
To (m): 153.70

Lithology: pale greenish grey to grey, v.f.grained-aphanitic qtz-sericite matrix, few late undeformed qtz veinlets, minor disseminated py euhedra
-@142.82-143.31m; qtz flooding and vein at 40° to C.A., with net-textured coarse chalcopy and minor po-py
-@146.9-148.04m; qtz as above, with up to 40% coarse net-textured chalcopy in upper half, lesser v.f.g sph and po along vein contacts
-@148.04-152.84m; qtz grain (5%) lapilli tuff, massive, tr.py-po
-@152.84-153.7m; MSSX, 90% well laminated po-py & tr.chalcopy, in blackish argillaceous tuff - lower contact; lower contact is qtz veined & silicified & sheared at 30°

Structure: -mod.well foliated locally, primary bedding at 40° to C.A.
-@152.84m; slip shear at 65° to C.A.
-@153.7m; lower contact shear at 30°

StructFoln: PrimryBed 40 DbsKey: 7

Mineral'n: -@142.82-143.31m; net-text. chalcopy to 30% of core
-@146.9-148.04m; 40% coarse net-textured chalcopy, minor sph
-@152.84-153.7m; 90% well laminated po-py & tr.chalcopy

Remarks: -more primary VMS cut by later mineralized stringer veining

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340049	147.92	148.6	0.7	10001	10001	101	1505
Smpl	340050	152.84	153	0.2	68	152	0.8	145
Smpl								
Smpl								
Smpl								

Assays: 340049; Cu=5.39%, Zn=1.13%, Ag=144 g/t, Au=2.19 g/t

From (m): 153.70 Rock Unit: Rhyolite QE lapilli/ash tuff - 1QELaT.DT
To (m): 184.71

Lithology: med.pale greenish grey, med.grained, massive qtz eye lapilli up to 5mm, some to 1cm, in fine qtz-sericite matrix
-@162.5-163.75m; qtz veining up to 2cm throughout
-@166.0-169.0m; extensive qtz veining/flooding, vague digested contacts, highly bleached and silicified wallrock, minor contact po-py, local bedding at 65°, cross-cut by opposite slips at 70°
-@172.1-174.25m; tan buff, altered (bleached & albitized?)ash tuff, cut by fine qtz stockwork
-@174.25-174.57m; qtz vein
-@174.57-184.71m; pervasive qtz-albite(?) veinlets, sub-parallel to C.A., localized blebby py-po to 2%

Structure: -bedded at 45°

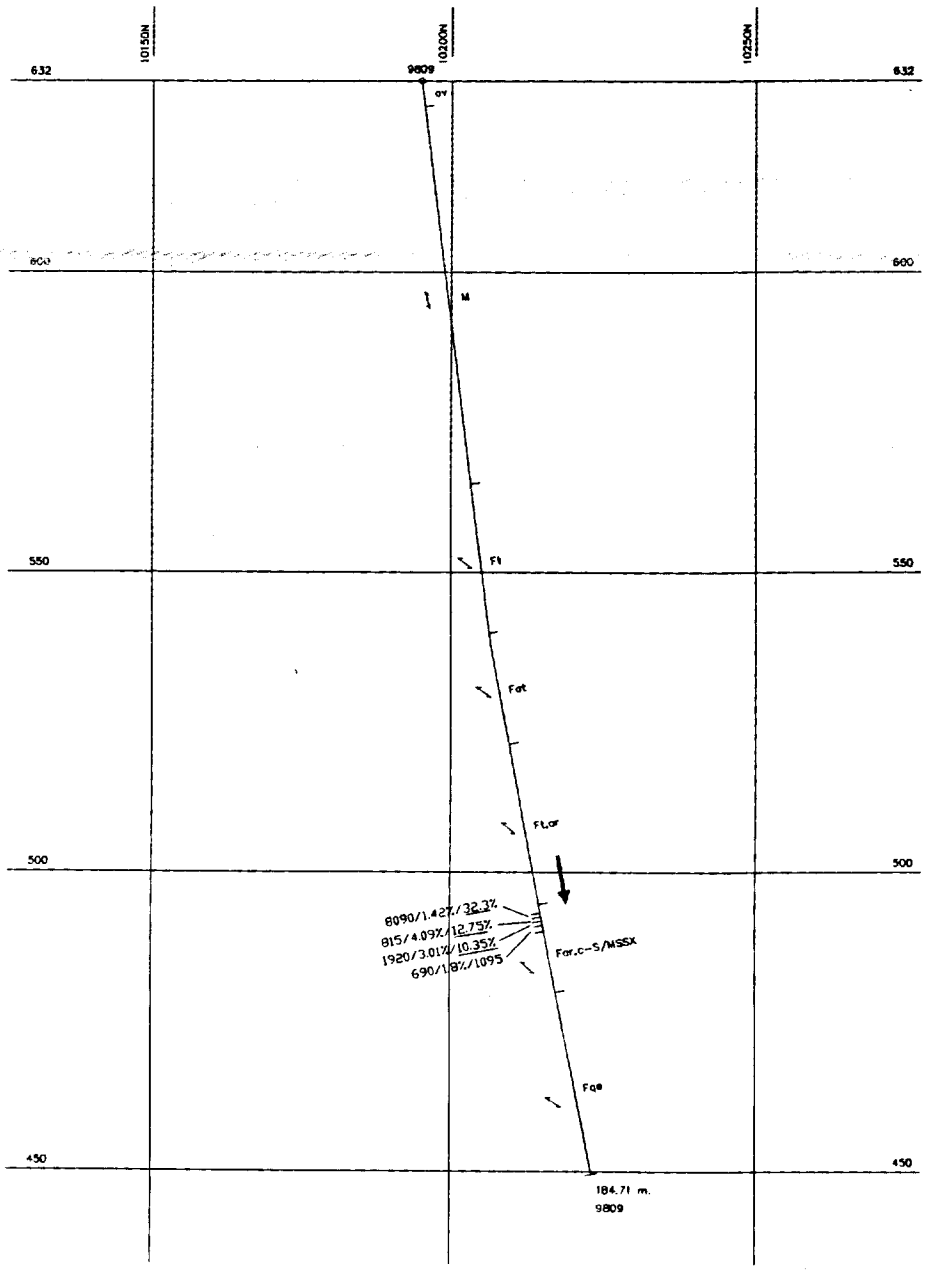
StructFoln: PrimryBed 45 DbsKey: 8

Mineral'n: -generally trace po-py, minor localized bands to 2%

Remarks: E.O.H. 184.71m - hole reflects continuation of Coronation Zone VMS mineralization, succeeded/intruded by qtz stringer mineral'n

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								

Assays:



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (Fining)

Bedding angle to core

Major fault/shear to core angle

55/2050/2980

Assays & sample interval (AU-ppb/CU-ppm*/ZN-ppm*)
*except where % shown

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–09 Section along 102+95W	
Scale: 1:1000	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No: 9810 | Grid Azimuth: 180 | Collar True Azimuth: 208 | Acid Test Dips: -70.5 At(m) 166 | Core size: NQ | Core storage: Lara portal site | Logged by J.A. Richard

Claim #: Solly | Grid Easting: -10240 | Collar Dip: -70 | Acid Test Dips: -70.5 At(m) 288 | Casing (m): 2.15 | HoleStart: 11/20/98

NTS Ref: 92 B/13 | Grid Northing: 10370 | Elev (m): 680 | Acid Test Dips: -68.5 At(m) 382.8 | Casing left: yes | HoleFinish: 11/24/98 | Final Depth 382.82

Collar UTM

Target: Continuity of auriferous MSSX between Abermin holes 87-182&184 (Coronation Zone down-plunge ext.) - collared on 87-184 site

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From (m) 2.15 Rock Unit: Rhyolite ash tuff - 1DT

To (m): 7.12

Lithology: l.grey, v.f.grained and equigranular siliceous matrix, well laminated

Structure: -bedded at 15°

StructFoln: PrimryBed 15 DbsKey: 1

Mineral'n: -trace py

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

---

From (m) 7.12 Rock Unit: Diorite - 6

To (m): 18.82

Lithology: -weathered to 11m;
-d.greenish, massive, fine grained chloritic matrix, feldspar porphyritic, intrusive upper and lower contacts

Structure: -upper contact at 45°
-lower contact at 30°

StructFoln: PrimryBed DbsKey: 2

Mineral'n: -minor disseminated py, <1%

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m) 18.82 Rock Unit: Rhyolite ash tuff - 1DT

To (m): 46.90

Lithology: -as in 2.15-7.12m; well bedded at 35°
-@42-46.9m; rhyolite ash tuff grades into rhyo-dacite tuff, conformable gradation into underlying unit

Structure: -@45.42-45.52m; sharp shear at 75°

StructFoln: PrimryBed 35 DbsKey: 3

Mineral'n: -trace disseminated po-py, few thin po-py laminae below 32m

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 46.90 Rock Unit: Andesite crystal/ash tuff - 3CT.DT
To (m): 66.00

Lithology: d.greenish grey, f.grained and equigranular, grading downward to v.f.grained ash tuff with minor qtz grains, chloritic matrix

Structure: -a few bands up to 1m of moderate shear foliation at 45° to C.A., otherwise primary bedding at 30°

StructFoln: 45 PrimryBed 30 DbsKey: 5

Mineral'n: -rare disseminated and blebby po-py in laminae
-@61.62-62.8m; blebby po-py laminae, including MSSX band (50%SX) at 62.19-62.51m, mainly py & 1% cp

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340107	61.97	62.55	0.58	9770	230	6	285
Smpl								
Smpl								
Smpl								
Assays:								

From (m): 66.00 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 79.77

Lithology: pale greenish grey, v.f.grained qtz-sericite matrix with <5% qtz grains up to 4mm, some wispy chlorite and trace fuchsite/mariposite, is qtz-sericite-chlorite schist

Structure: -primary bedding at 20° to C.A.
-weak to moderately foliated
-@78.8m; 15cm fault gouge zone at 80° to C.A.

StructFoln: PrimryBed 20 DbsKey: 6

Mineral'n: -@ 73-79.77m; few fine po-py laminations to 0.5cm of 1%, 3-5% locally with tr.chalco

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								
Smpl								
Assays:								

From (m): 79.77 Rock Unit: Andesite crystal tuff - 3CT
To (m): 111.45

Lithology: d.blackish green grey, f.grained to aphanitic chloritic matrix with fine grained plagio and minor qtz grains, soft and locally schistose, primary bedded, discretely sheared as noted, qtz veining with chloritized contacts as noted

-@80.97-81.63m; qtz vein stockwork with 5-7% blebby py-po, tr.cp
-@84.46-86.05m, 86.4-86.6m, barren white qtz veins
-@94.7-107m; numerous undeformed, en echelon qtz and albite rimmed veins to 8cm, veins range 45-70° to C.A.

Structure: -primary bedding at 25°
-@81.63m; shear fault at 80°
-@86.0m; shear slip at 80°
-@discrete bands of mod.shear fol'n in matrix at 40°, pervasive below 95m

StructFoln: 40 PrimryBed 25 DbsKey: 7

Mineral'n: @80.97-81.63m; 5-7% blebby py-po, tr.cp on vein contacts

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340108	80.9	81.46	0.56	2960	168	1.8	50
Smpl								
Smpl								
Smpl								
Smpl								
Assays:								

From (m): 111.45 Rock Unit: Rhyo-dacite crystal tuff - 2CT
To (m): 118.44

Lithology: pale greenish grey, f.-med. grained glassy qtz and minor sericite matrix, bedded, tr.fuchsite/mariposite
-@112.78-113.38m; qtz veining in strongly sheared qtz-sericite-chlorite schist at 40°
-grades into lower unitl.

Structure: -weakly foliated
-@112.78-113.38m; strongly sheared qtz-sericite-chlorite schist at 40°

StructFoln: 40 PrimryBed 50 DbsKey: 8

Mineral'n: -local minor po-py blebs along vein contacts

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 118.44 Rock Unit: Andesite crystal tuff - 3CT
To (m): 128.62

Lithology: d.blackish green, as above rhyo-dacite but great increase in chlorite to chlorite-sericite schist, bedded at 30°

Structure: weak-moderately foliated

StructFoln: PrimryBed 30 DbsKey: 9

Mineral'n: -NVM

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 128.62 Rock Unit: Diorite -6
To (m): 138.84

Lithology: d.emerald green, f.grained and equigranular, chlorite-rich matrix, containing epidotized feldspar phenos up to 10mm, unit is shear-bounded

Structure: -massive matrix
-@138m; discrete shear at 70° to C.A.
-upper shear contact at 70° to C.A.
-sharp intrusive lower contact at 5° to C.A.

StructFoln: PrimryBed DbsKey: 10

Mineral'n: -tr. py euhedra

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 138.84 Rock Unit: Andesite crystal tuff - 3CT
To (m): 141.70

Lithology: -as above unit 118.4-128.62m

Structure:

StructFoln: PrimryBed DbsKey: 11

Mineral'n:

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 141.70 Rock Unit: Diorite - 6
To (m): 146.85

Lithology: as above diorite unit 128.62-138.84m

Structure: -upper shear contact at 65° to C.A., containing qtz veinlets
-lower intrusive shear contact at 5° to C.A.

StructFoln: PrimryBed DbsKey: 12

Mineral'n:

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 146.85 Rock Unit: Andesite crystal tuff - 3CT
To (m): 156.68

Lithology: -as above andesite unit 118.44-128.62m

Structure: -@155.1m, 1cm fault and gouge clay over 1cm at 15° to C.A.

StructFoln: PrimryBed 10 DbsKey: 13

Mineral'n: -a@148.2m; local 5-7% po-py along qtz veinlet contacts

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 156.68 Rock Unit: Diorite - 6
To (m): 159.76

Lithology: -as above diorite unit 128.62-138.84m

Structure: -upper intrusive contact at 30° to C.A.
-lower sheared contact at 75° to C.A.

StructFoln: PrimryBed DbsKey: 14

Mineral'n:

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 159.76 Rock Unit: Andesite crystal tuff & minor breccia - 3CT,PBx
To (m): 171.42

Lithology: d.blackish green grey, f.-med. grained matrix, coarse angular qtz lapilli and matrix fragments up to 3cm in brecciated bedding at approx. 40-45°

-@162.9-163.75m; qtz veined and qtz flooded shear zone

Structure: -brecc'n bedding at approx. 40°
-unit is non-foliated
-@162.9-163.75m; shear zone - indistinct upper contact; lower shear contact at 65°
-below shear zone, andesite is mod. foliated at 25°

StructFoln: 25 PrimryBed 40 DbsKey: 15

Mineral'n: -some diffuse bands of fine po-py up to 2cm, locally 10-15%, some py rimming chalcopy bleb up to 3%
-@162.9-163.75m; shear zone, 30% SMMX-net textured py, up to 5% chalcopy

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 171.42 Rock Unit: Diorite -6
To (m): 183.20

Lithology: as above diorite unit 128.62-138.84m

Structure: -upper intrusive shear contact at 75°
-lower intrusive shear contact at 80°

StructFoln: PrimryBed DbsKey: 16

Mineral'n:

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 183.20 Rock Unit: Andesite crystal tuff - 3CT
To (m): 250.40

Lithology: -as in above andesite units, to 195.7m
-@185.28-187.38m; minor shear-bounded diorite sliver

-below 197.4m, andesite tuff becomes strongly foliated chlorite schist, Z-kink folded, intruded locally by diorite as noted:
-@210.23-213.92m; diorite, upper and lower shears at 70°
-@225.52-226.6m; diorite, upper and lower shears at 75°
-@226.6-250.45m; andesite, well laminated ash tuff with numerous blackish argillite bandings at 20° to C.A.
-@228.48-230m; en echelon qtz vein sets, up to 10cm & local silic.

Structure: -@185.28-187.38m; diorite; upper shear contact at 20° to C.A., lower shear contact at 75°
-@195.7-197.4m; intensely foliated and Z-kink folded, axes at 45°
-@248.55m, 10cm shear zone at 90°

StructFoln: 75 PrimryBed 20 DbsKey: 17

Mineral'n: -trace po-py

-@248.55m; shear zone & qtz veining with 10-15% py-po dissemin.

Remarks:

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

From (m): 250.40 Rock Unit: Dacite QE tuff - 2QET
To (m): 270.54

Lithology: med.greenish grey to d.grey, 20% clear qtz eyes & 10% bluish qtz eyes up to 75mm in v.f.grained to aphanitic siliceous ash matrix

-@260.26-261.21m; diabase dike, greenish black, f.grained, massive, hard broken core
-@263.5-266.78m; shear-bounded (at 55°) slice of diorite, v.blackish green, epidotized clots up to 3cm, qtz veined & hematized.

Structure: -upper contact is sharply sheared at 30° to C.A.
-@256.58-256.74m; shear zone at 55°
-lower contact also sheared at 75°

StructFoln: PrimryBed DbsKey: 18

Mineral'n: -trace po-py only

Remarks:

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

From (m): 270.54 Rock Unit: Andesite lithic tuff -3LT
To (m): 294.00

Lithology: epidotized lithic fragments up to 3cm in f-v.f.grained chloritic matrix with minor argillaceous laminations, bedded at 20°, unit is pervasively cut by fine qtz-calcite veinlets

-@287.28-290.52m, 291.2-292.77m; andesite lithic frags in tuffaceous argillite bands 15-20cm thick, conformably interbedded with l.grey rhyolitic tuff

Structure: -@287.28-290.52m, 291.2-292.77m; argillaceous laminations show offsetting slips

StructFoln: PrimryBed 20 DbsKey: 19

Mineral'n: -trace po-py laminations
-@287.28-290.52m, 291.2-292.77m; up to 10% po-py in laminar disseminations

Remarks:

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

From (m): 294.00 Rock Unit: Dacite QE tuff -2QET
To (m): 300.70

Lithology: as above dacite QE unit at 250.4-270.54m; - numerous interlaminated argillaceous bands, unit is pervasively cut by fine qtz veinlets
-@296.33m; unit grades into v.f.grained ash tuff and interlaminated argillaceous tuffs

Structure: -@296.3m; discrete shear at 80°

StructFoln: PrimryBed 20 DbsKey: 20

Mineral'n: -trace only po-py

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m): 300.70 Rock Unit: Andesite crystal tuff - 3CT
To (m): 315.14

Lithology: d.greenish grey, f.grained, v. chloritic matrix with saussuritized plagio, local epidotization, argillaceous laminations

-@304.5-305.3m; massive barren white qtz vein oriented at 20°
-@311.7-312.13m; intrabed of whitish grey rhyolite QE tuff, argillaceous in lower 10cm

Structure: -moderately shear foliated at 45°
-primary bedding at 40°

StructFoln: 45 PrimryBed 40 DbsKey: 21

Mineral'n:

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m): 315.14 Rock Unit: Rhyolite QE crystal tuff, argillaceous - 1QET.arg
To (m): 348.50

Lithology: whitish-grey, med.grained qtz eye tuff up to 6mm in v.f.grained qtz sericite matrix, well bedded at 40°, minor argillaceous horizons increasing with depth
-@316.17-317.52m; lense of andesite crystal tuff as noted above with 2cm argillite band at 317.48m
-@318.1-319.33m; two 15cm bands of fine laminated tuff's argillite
-@320.5-323m; cherty ash tuff grading into tuffaceous argillite
-@326-327.5m; undeformed qtz veining subparallel to C.A.
-@342-347.88m; increasingly intense bleaching/silicif. of matrix
-@347.8-348.5m; massive barren qtz vein

Structure: -@347.8-348.5m; qtz vein shear-bounded at 85° to C.A.

StructFoln: PrimryBed 40 DbsKey: 22

Mineral'n: -poorly mineralized, trace only po-py

Remarks: -apparent sedimentary fining downhole - overturned sequence

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From (m) 348.50 Rock Unit: Sediment -4Cy
To (m): 363.05

Lithology: -gradational from above unit

-buff grey, cryptocrystalline to aphanitic silica - chert, tuffaceous, with minor cherty ash tuff bands; bedding first at 10°, grading to 35° by 353m;
-@362.77-362.93m; shear bounded qtz vein

-unit conformably grades intol

Structure: -excellent primary bedding, very well laminated
-@362.77-362.93m; shear bounded qtz vein, upper and lower contacts at 75° and 40°

StructFoln: PrimryBed 35 DbsKey: 23

Mineral'n: -trace only po-py disseminations

Remarks: -sequence clearly shows sedimentario fining down - overturned sequence

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m) 363.05 Rock Unit: Rhyolite QE tuff - 1QET
To (m): 382.82

Lithology: pale greenish to whitish grey, slightly stretched qtz eyes up to 2cm, in v.f.grained qtz-sericite matrix

-@364.58-365.05m; en echelon qtz veining, up to 8cm each, weakly deformed, chloritic contacts
-@374m and below, several minor lenses of interbedded andesite crystal tuff

Structure: -moderate to strong shear foliation at 40°
-@367.7m; 40cm of intense shearing (qtz-ser schist) at 45°
-@379.34-380m; intense cataclastic brecc'n of matrix

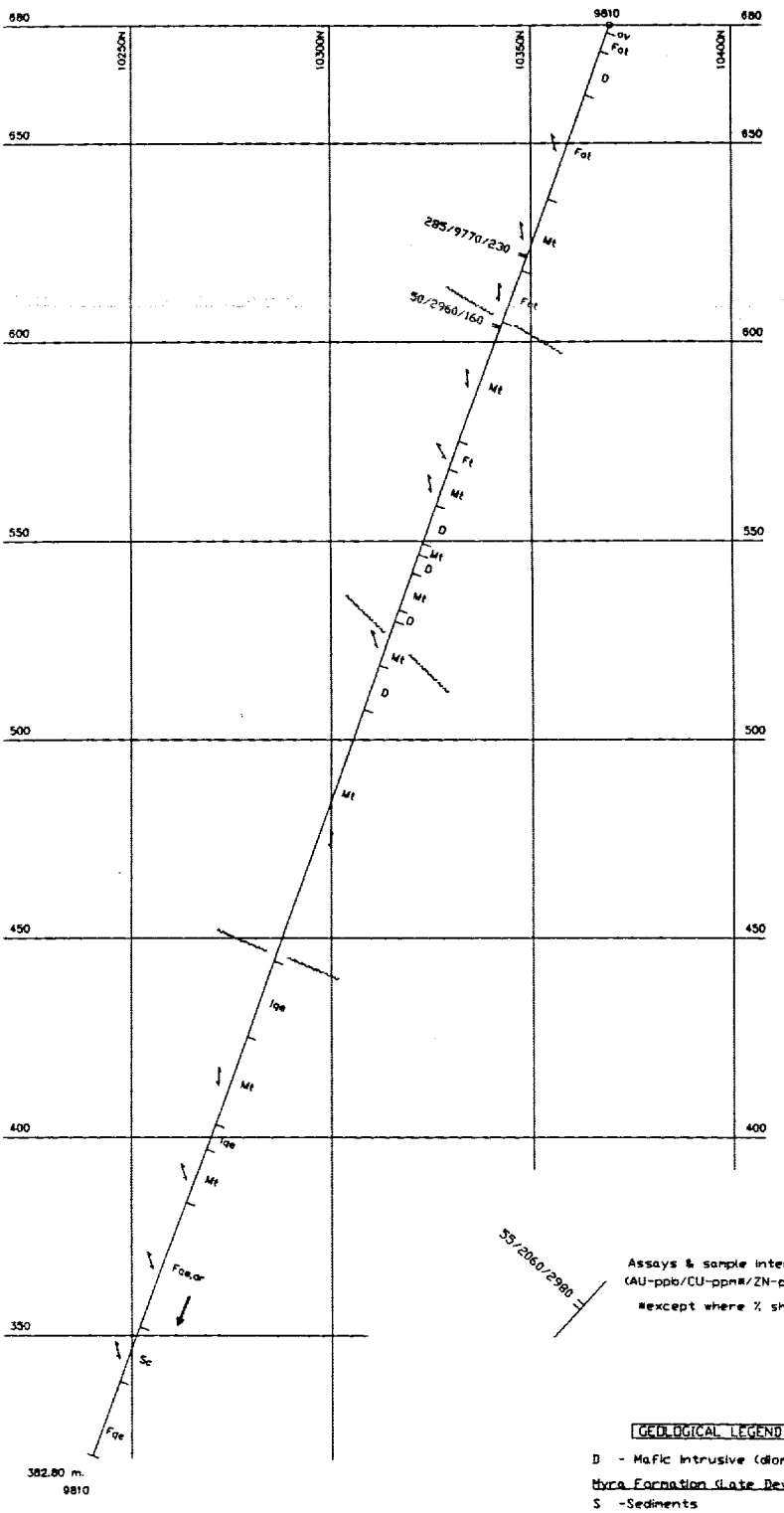
StructFoln: 40 PrimryBed DbsKey: 24

Mineral'n: -trace only po-py, poorly mineralized sequence

Remarks: E.O.H. 382.82m

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb



GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (Fining)

Bedding angle to core

Major fault/shear to core angle

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–10 Section along 102+40W	
Scale: 1:1500	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

NUCANOLAN RESOURCES LTD - LARA PROJECT - South Vancouver Island. B.C.. Canada

DDH No:	9811	Grid Azimuth:	177	Collar True Azimuth:	205	Acid Test Dips:	-86	At(m)	93.3	Core size: NQ	Core storage: Lara portal site		Logged by J.A. Richard
Claim #:	Solly	Grid Easting:	-10195	Collar Dip:	-82	Acid Test Dips:	-88	At(m)	203	Casing (m): 1.22	HoleStart:	11/26/98	
NTS Ref:	92 B/13	Grid Northing:	10332	Elev (m):	678	Acid Test Dips:	-90	At(m)	301	Casing left: yes	HoleFinish:	11/29/98	Final Depth 346.25
		Collar UTM											

Target: Easterly lateral extension of auriferous MSSX in Coronation Zone down-plunge - collared on Abermin 87-193 site

From (m): 1.22 Rock Unit: Rhyolite ash tuff, cherty - 1DT.Cy
To (m): 38.12

Lithology: light to med. grey, to pale greenish grey, f-v.f.grained qtz-sericite - chlorite matrix, well bedded texturally at approx. 10°, containing cherty tuff bands, mixed with minor lapilli tuff bands;
-discrete cherty bands below 25m, especially 29.1-31.2m
-@33.9-35.12m; very laminated cherty ash with some chert lamin's
-@37.1-38.12m; laminated chert, at 30° to C.A.

Structure: -moderate to strongly foliated throughout, as qtz-sericite schist, consistent rhombic 'box' shearing by 11m, at 30°
-core is running parallel to repeated folding, noted in reversing dip angles; bedding is most consistently approx.30°, obscured by near parallel shear foliation overprint, @26.53m; 3cm fault gouge at 40°

StructFoln: 40 PrimryBed 30 DbsKey: 1

Mineral'n: -blebby disseminated po-py principally in cherty bands, 1% to 3% locally

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl	340083	33	34	1	295	60	0.1 15
Smpl							
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From (m): 38.12 Rock Unit: Andesite ash tuff, cherty -3DT.Cy
To (m): 41.18

Lithology: d.greenish grey, f.grained and equigranular, moderately chloritic, numerous scattered intralaminated cherty bands

Structure: -bedded at 30°

StructFoln: PrimryBed 30 DbsKey: 2

Mineral'n: -few laminae up to 1cm of fine po-py, locally up to 10%

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 41.18 Rock Unit: Rhyolite tuff, cherty, argill's - 1T.Cy
To (m): 46.10

Lithology: whitish to pale greenish to med.grey, well laminated f.grained tuffaceous to aphenitic cherty matrix in 1cm alternating bands, few blackish argillaceous horizons

Structure: -well bedded at 30°

StructFoln: PrimryBed 30 DbsKey: 3

Mineral'n: -minor disseminated po-py

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 46.10 Rock Unit: Rhyolite crystal tuff,ash - 1CT.DT
To (m): 55.20

Lithology: pale greenish grey, v.f.grained qtz-sericite matrix, texturally alternating bands of dominant ash, and lesser bands of QE and crystal tuff with qtz grains up to 4mm, minor chloritic wisps, variably cut by fine qtz-calcite veinlets increasing in density downhole

-@54-55m: argillaceous laminations

Structure: -well bedded at 10°

StructFoln: PrimryBed 10 DbsKey: 4

Mineral'n: -minor disseminated bands of py-po to 10% locally, tr.chalcopy

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340084	49.78	50.84	1.6	14	44	0.1	20
Smpl								
Smpl								
Smpl								
Assays:								

From (m): 55.20 Rock Unit: Andesite lapilli tuff - 3LaT
To (m): 67.58

Lithology: d.greenish grey, f.grained chloritic tuff matrix, well bedded at 40°, a few massive, v.f.grained ash bands up to 40cm thick; unit is variably cut by fine qtz-calcite veinlets

Structure: -bedded at 40°

StructFoln: PrimryBed 40 DbsKey: 5

Mineral'n: 1-5% py in blebby laminar disseminations

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Assays:							

From (m): 67.58 Rock Unit: Diorite -6
To (m): 90.09

Lithology: d.blackish green-grey, f.grained and equigranular, v.chloritic and calcite rich matrix, cut by pervasive undeformed qtz-calcite veinlets to 1cm wide
-by 74-78.45m, 0.5cm feldspar phenos, weakly saussuritized
-@80-81m, 81.62-81.78m: barren qtz veins, chloritic contacts

Structure: -massive, except weak shear foliation along intrusive margins; upper contact sheared at 40°; lower sharp intrusive contact at 70°
-@78.45m; 2cm fault gouge plane at 45°
-@80-81m, 81.62-81.78m; barren qtz veins at 45° to C.A.

StructFoln: PrimryBed DbsKey: 6

Mineral'n: trace py

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Assays:							

From (m): 90.09 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 103.84

Lithology: -whitish l.-med grey, aphanitic siliceous matrix, minor argillaceous wisps

Structure: -weakly bedded at 40° to C.A., contorted at 99-102m
-@95.85-96.3m; cataclastic overprint with foliation varying 0-40°

StructFoln: PrimryBed 40 DbsKey: 7

Mineral'n: -bands up to 20cm of fine py-po disseminated in laminae, 1-5%
-@102.52m; 4cm band of SMMX, py-po-chalcopy at 65° to C.A.

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 103.84 Rock Unit: Diorite - 6
To (m): 105.08

Lithology: -as in above diorite unit at 67.58-98.09m

Structure: -sheared upper intrusive contact at 45°

StructFoln: PrimryBed DbsKey: 8

Mineral'n: -up to 3% local euhedral py

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 105.08 Rock Unit: Andesite crystal tuff - 3CT
To (m): 155.45

Lithology: d.greenish grey, texturally alternating bands up to 2 metres of v.f-med.grained tuff, epidotized plagio clots, a few argillaceous laminations below 127m, bedded at 20°
-@114.3-116.87m; diorite lense, upper contact at 30°
-@144.8-145.0m; qtz vein at 45°

Structure: -weak shear foliation, qtz veinlets smeared out
-@125.95m; 3cm of chloritic fault gouge at 35°, then brecc'd tuff and qtz veinlet fragments
-@145-148m; sheared into chlorite schist

StructFoln: PrimryBed 20 DbsKey: 9

Mineral'n: -up to 1% euhedral py throughout
-@124.46-125.46m; 5-10% blebby py
-@125.95-127.1m; 5% py-po blebs rimming chalco
-@144.8-145.0m; qtz vein; 10% po-py blebs rimming 5% chalcopy

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl 340101	144.79	145.08	0.3	3590	74	0.8	20
Smpl							
Smpl							
Smpl							

From (m): 155.45 Rock Unit: Diorite - 6
To (m): 167.40

Lithology: -as in above diorite unit at 67.58-90.09m.

Structure: -massive
-sharp intrusive contacts

StructFoln: PrimryBed DbsKey: 10

Mineral'n:

Remarks:

Assays: Smpl Smpl Smpl Smpl Smpl Smpl Smpl

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 167.40 Rock Unit: Andesite crystal tuff - 3CT
To (m): 209.00

Lithology: d.greenish grey, f-v f.grained, chloritic matrix, texturally banded, indistinct saussuritized plagio xstals
-@170.04m; 10 cm qtz vein-chloritized and pyritic contact at 50°, other similar veins at 174.02-174.41m,177.18-178.75m,180-181.1m, 184.81-184.92m, 189.66-189.8m (at 80° in fault gouge)
-unit is foliated into chlorite schist below 186m, numerous Z-kink folded zones

Structure: -bedded/banded at 10° to C.A.
-weakly foliated at 50°, strongly foliated to chlorite schist by 186.4m
-@173.47-170.02m; fault and clayey gouge in chlorite schist at 80°
-@189.66-189.8m; fault gouge at 80° to C.A.
-@189.8-197m; intensely foliated and contorted, Z-kink folding

StructFoln: 50 PrimryBed 10 DbsKey: 11

Mineral'n: -@174.41m; coarse blebby py-po along vein contact, and most qtz veins in this unit

Remarks:

Assays: Smpl Smpl Smpl Smpl Smpl Smpl Smpl

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 209.00 Rock Unit: Andesite ash tuff (chlorite schist) - 3DT
To (m): 240.22

Lithology: d.greenish grey, f-v f.grained, foliated andesite to chlorite schist, including dacitic ash bands up to 1m, increasing with frequency downhole

Structure: -moderate to strong shear foliation at 50°
-bedding at approx 15° to C.A. where foliation is weaker
-@229-234m; intensely foliated at 65°, zones of chevron kink folds with axes at 0-5° to C.A.

StructFoln: 50 PrimryBed 15 DbsKey: 12

Mineral'n: -trace po-py blebbing

Remarks:

Assays: Smpl Smpl Smpl Smpl Smpl Smpl Smpl

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 240.22 Rock Unit: Dacite ash tuff - 2DT
To (m): 244.48

Lithology: -grades from above andesite into greenish grey to grey, v.f.grained to aphanitic siliceous matrix, weakly chloritic laminae, bedded at 30°

Structure: -weakly foliated

StructFoln: PrimryBed 30 DbsKey: 13

Mineral'n: tr.py-po

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 244.48 Rock Unit: Andesite tuff
To (m): 275.81

Lithology: d.greenish grey, f.grained and equigranular, chloritic matrix, cut throughout unit by qtz veins as noted, matrix is chlorite schist proximal to vein systems
-@247.81-248.08m, 248.53-250.2m, 252.0-252.54m, 267.66-267.78m: major barren white qtz veins showing diffuse contacts, heavily chloritized and silicified local wallrock
-@259.28-260.14m: large qtz vein with digested wallrock contacts at 25° to C.A.

Structure: moderately shear foliated at 45°
-non-foliated below 254m

StructFoln: 45 PrimryBed 10 DbsKey: 14

Mineral'n: trace py-po
-@259.28-260.14m: large qtz vein, 5% coarse po on contacts

Remarks:

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 275.81 Rock Unit: Rhyolite ash, cherty & MSSX - 1DT,Cy, MSSX
To (m): 289.27

Lithology: pale greenish to whitish grey, f.grained to aphanitic siliceous matrix, bedded at 10° to C.A.
-@279.6-280.33m: minor cherty laminae
-@280.43m; 3cm qtz vein stringer at 40° to C.A.
-@280.63-281.38m: MSSX in cherty ash
-@283.25-284.2m: diorite lens, sheared contacts

-@284.2-289.27m: rhyo ash is heavily qtz veined and brecciated, at 20° to C.A., SMMX in and along veins

Structure: -bedded at approx 20° to C.A.
-@283.25-284.2m: upper and lower diorite intrusive contacts sheared at 40 & 60°

StructFoln: PrimryBed 20 DbsKey: 15

Mineral'n: -generally up to 1% disseminated po-py blebs in matrix
@280.43m; 3cm qtz vein, 1% blebby chalco along contact
-@280.63-281.38m; MSSX-70% blebby py-po, 10% net text. chalco
-@281.38-281.83m; 3% po-py and tr.chalco in laminar dissemin.

Remarks: -@284.2-289.27m; SMMX is 20-40% as net-textured within and blebby contact rimmings; miner'n is 90% py-po rimming 10% chalco

Smpl
Smpl 340102 280.5 281.4 0.91 10001 236 5.6 125
Smpl 340103 286 286.8 0.8 10001 102 2.6 35
Smpl 340104 286.8 287.52 0.72 6940 120 2 80
Smpl 340105 287.52 288.52 1 8210 116 2.4 70
Smpl 340106 288.52 289.27 0.75 4230 95 1 55
Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 289.27 Rock Unit: Dacite ash & lapilli tuff - 2DT.LaT
To (m): 329.00

Lithology: med.greenish grey, f.grained to aphanitic matrix, textural banding at 20° to C.A., some blackish argillaceous horizons (in ash up to 40cm each)
-@293-294m; qtz vein, barren, strongly chloritized contacts, 8cm qtz vein at 297.46m
-@326-329m; numerous argillaceous laminations in ash tuff

Structure: -bedded at 20°
-@290.6-292.15m; strongly shear foliated at 55° to C.A., then 292.15-292.43 is brecciated and chloritized
-@294-295.2m; strongly shear foliated at 80° sericite-qtz-chlorite schist; -@323m; 20cm fault gouge at 90° to C.A.

StructFoln: 80 PrimryBed 20 DbsKey: 16

Mineral'n: trace po-py

Remarks: -sequence is repetitive cycles of minor lapilli bands, fining downhole into argill/cherty ash - overturned depositional sequence

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:

From (m): 329.00 Rock Unit: Andesite ash tuff, cherty & arg - 3DT.Cy
To (m): 346.25

Lithology: d.greenish grey, f.grained grading to aphanitic matrix, odd fine lapilli tuff laminae, is essentially chlorite-sericite schist, some cherty and argillaceous laminae within unit, variably cut by qtz-calcite veinlets

-@332.77-333.0m; barren white qtz vein at 30° to C.A.

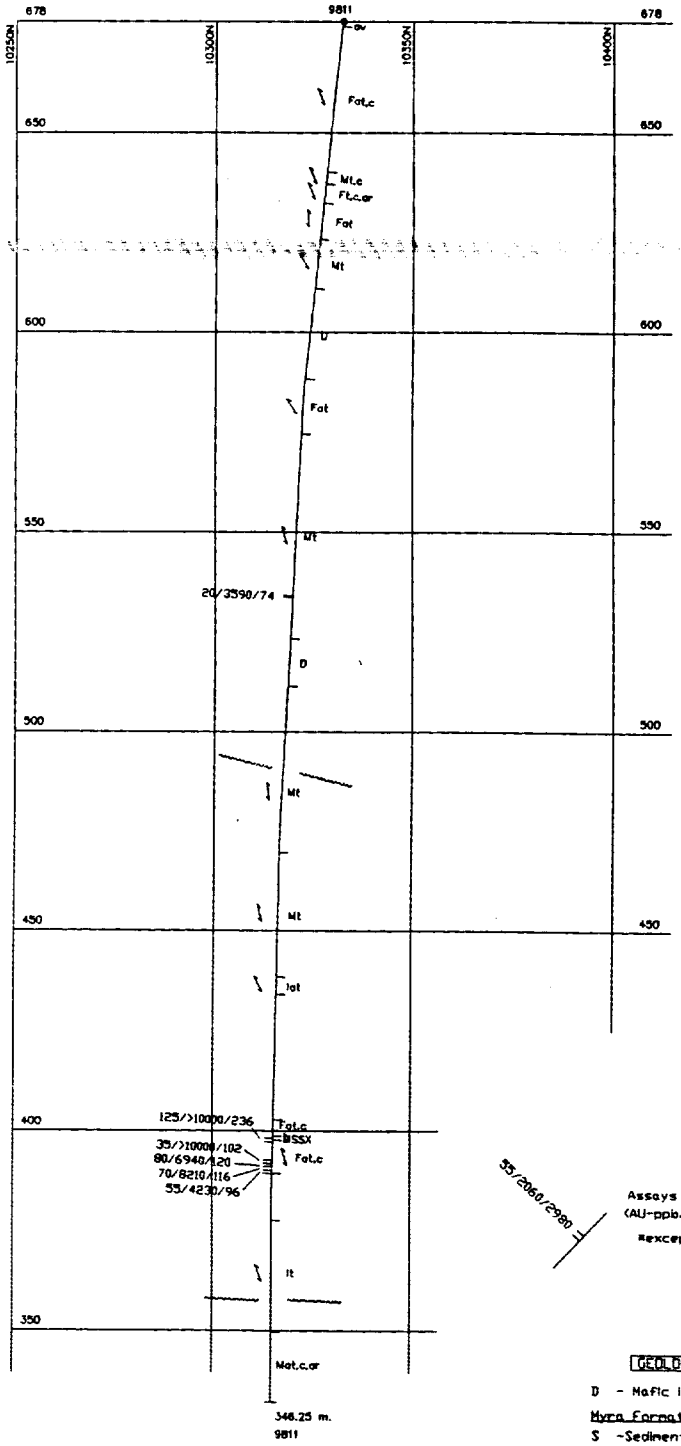
Structure: -moderately well foliated overall
-@330.2m; 2cm shear at 45° to C.A.
-@333.15-333.68m; chloritized fault gouge at 30° to C.A.

StructFoln: PrimryBed DbsKey: 17

Mineral'n: -NVM, mineral poor

Remarks: E.O.H. 346.25m

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Assays:



55/2060/2980

Assays & sample interval
(AU-ppb/CU-ppm*/ZN-ppm*)
*except where % shown

GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

NUCANOLAN RESOURCES LTD	
Lara Project–Vancouver Is., B.C.	
D.D. Hole 98–11 Section along 101+95W	
Scale: 1:1500	Elevations in m.a.s.l.
Looking Minnova grid west to 298° azimuth	
Prepared by J.A.Richard, Proj.Geol. – Feb/99	

UCANOLAN RESOURCES LTD. — LARA PROJECT — South Vancouver Island, B.C., Canada

DDH No:	9812	Grid Azimuth:	180	Collar True Azimuth:	208	Acid Test Dips:	-88.5	At(m)	154	Core size:	NQ	Core storage:	Lara portal site
Claim #:	Solly	Grid Easting:	-10242	Collar Dip:	-84	Acid Test Dips:	-89	At(m)	300	Casing (m):	1.7	HoleStart:	11/29/98
NTS Ref:	92 B/13	Grid Northing:	10370	Elev (m):	680	Acid Test Dips:	-89	At(m)	426	Casing left:	yes	HoleFinish:	12/3/98
		Collar UTM		Target:	Down-dip extension of auriferous MSSX in Coronation Zone down-plunge below Abermin hole 87-184 - collared next to hole 87-184								

Logged by: J.A. Richard — Final Depth: 449.88

From (m): 1.70 — To (m): 9.35 — Rock Unit: Rhyolite ash tuff - 1DT

Lithology: pale greenish grey, v.f.grained to aphanitic, equigranular siliceous matrix.

Structure: -bedded at 5°

Struct'Foln: — PrimryBed: 5 — DbsKey: 1

Mineral'n: -minor py blebbing

Remarks:

	From(m)	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays: -Au values returned from lab as <5ppb read in this log as 4ppb
-Ag values returned from lab as <0.2ppm read in this log as 0.1ppm

From (m): 9.35 — To (m): 24.45 — Rock Unit: Diorite - 6

Lithology: d.emerald green grey, f.grained chloritic groundmass, to v.f.grained along chill margins, calcitic, saussuritized plagio phenos up to 1cm, variably cut by few qtz-calcite veinlets

Structure: -massive
-lower intrusive contact at 45°

Struct'Foln: — PrimryBed: — DbsKey: 2

Mineral'n: -trace py euhedra

Remarks:

	From(m)	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 24.45 — To (m): 51.00 — Rock Unit: Rhyolite ash, cherty - 1DT.Cy

Lithology: pale greenish to l.grey, v.f.grained to aphanitic siliceous qtz-sericite matrix, minor fine lapilli grain bands, cherty bands, most prevalent below 47m; few argillaceous wisps 26-27m

Structure: -bedded at 10°
-@49.8m; 10cm of fault gouge at 55°

Struct'Foln: — PrimryBed: 10 — DbsKey: 3

Mineral'n: -generally tr.po-py disseminated
-@31.4-32.85m; 5% laminar py disseminations to 0.5cm & 1% chalco in cherty ash
-@47-50.5m; 5% disseminated po-py in laminae, & 1% chalco

Remarks:

	From(m)	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl	340085	31.38	32.54	1.16	800	44	0.6	55
Smpl	340086	47.55	48.92	1.37	35	192	0.4	35
Smpl	340087	48.92	49.92	1	46	132	0.4	95
Smpl								
Smpl								

Assays:

From (m) 51.00 Rock Unit: Rhyolite ash & lapilli tuff - 1DT,LaT
To (m) 77.50

Lithology: pale greenish grey to med.grey, f.grained to aphanitic qtz sericite matrix, 10% qtz eye lapilli up to 5mm down to 69m, texturally banded, some lenses of jade green fuchsite/mariposite, few cherty laminae
-@54-56m, a few blackish argillaceous laminae
-@54.5m & 59.1m; 5cm barren white qtz vein, chloritic contacts, NVM
-@69.4-77.5m, slight chloritic enrichment of ash matrix (qtz-chl sch), med greenish grey with l.grey rhyo ash intrabands, argill. wisps

Structure: -moderately foliated at 15°
-bedded at 35°
-@69.97-70.2m, & 72.6m; fault gouge at 30° to C.A.

StructFoln: 15 PrimryBed 35 DbsKey: 4

Mineral'n: <1% po-py blebs, tr.chalco

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m) 69.40 Rock Unit: Rhyo-dacite crystal tuff - 1,2CT
To (m) 77.50

Lithology: med.-l.greenish grey, f.grained to v.f.g.grained, crystalline siliceous matrix with minor chlorite, few argillaceous wispy horizons

Structure: -bedded at 35°
-@69.97-70.2m, fault gouge at 30°

StructFoln: PrimryBed 35 DbsKey: 5

Mineral'n: -up to 1% disseminated py euhedra

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m) 77.50 Rock Unit: Andesite crystal tuff - 3CT
To (m) 117.10

Lithology: d. to med. greenish grey, texturally banded/bedded at 10°, v.f.grained chloritic matrix with up to 25% xstal to 5mm, few qtz-calcite veinlets
-below 102.4m, unit rock is chlorite-sericite schist

Structure: -variable weak to moderate foliation at 45°
-@contorted bedding below 93m in chlorite schist
-@98-99.5m; strongly sheared at 45°
-@102.4-117.1m; unit is strongly shear foliated at 45°, chlor schist

StructFoln: 45 PrimryBed 10 DbsKey: 6

Mineral'n: -up to 1% 'streaky' disseminated py
-@93.4-93.5m; bands up to 2cm of 10% blebby po-py, tr. chalco
-@105.55-105.7m; 5% blebby po-py & tr.chalco

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl
						Smpl

Assays:

From (m) 117.10 Rock Unit: Diorite - 6
To (m) 119.00

Lithology: d emerald green, saussurtized plagio pheno blebs in v. chloritic and calcareous, f grained equigranular matrix, few qtz-calcite veinlets

Structure: -weakly shear foliated at 50°
-qtz-calcite veinlets offset by slips at 30°

StructFoln: 50 PrimryBed

Mineral'n:

Remarks:

DbsKey: 7

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m) 119.00 Rock Unit: Andesite crystal tuff - 3CT
To (m) 123.20

Lithology: -as in above andesite unit, 102.4-117.1m;

-@119-120.05m, several 3-15cm wide qtz veins & contact SX

Structure: -strongly foliated into chlorite schist at 50°

StructFoln: 50 PrimryBed

Mineral'n: -5-7% net-textured py & cp along vein contacts

Remarks:

DbsKey: 8

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
340088	119	120.05	1.05	6640	192	3.4	300

From (m) 123.20 Rock Unit: Diorite -6
To (m) 129.90

Lithology: -as in above diorite 117.1-119.0m;

Structure: -sheared upper and lower intrusive contacts at 50°, otherwise massive

StructFoln: PrimryBed

Mineral'n: -trace py euhedra

Remarks:

DbsKey: 9

Smpl
Smpl
Smpl
Smpl
Smpl
Smpl

Assays:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb

From (m): 129.90 Rock Unit: Andesite crystal tuff - 3CT
To (m): 181.66

Lithology: d.greenish grey, up to 30% saussuritized plagio xstals in f.grained blackish chlorite-rich matrix, shows some textural banding, locally epidotized clots up to 3cm, weakly stretch-deformed, variable qtv veining
-@135-137m, matrix is sheared/serpentinized
-@146.03-147.1m, 152.2-152.84m; rhyolite ash tuff bands, qtz-ser.
-@148.15-149.25m; diorite intrusive, lower contact 4cm SMMX
-@157-162.9m, chl-ser.schist & SMMX bands of po-py & tr.cp
-@162.9-170.78m; numerous thin blackish argillaceous laminations with minor SMMX laminations
-@170.78-181.66m; chlorite schist, few small deformed qtz veinlets

Structure: -weak textural banding at 45°
-@135-137m; strongly sheared at 50°, then moderately sheared to 143m; -@149.25m, sheared chlor gouge brecc at 35°; -@157-163m; intensely sheared chl.sch at 45°, also 167.18-167.61m
-many qtz veins are boudinaged in this unit

StructFoln: PrimryBed 45 DbsKey: 10

Mineral'n: -disseminated and blebby po-py up to 1%
-@138.6&141.5m, 3&9cm bands of SMMX (po-py) at 45°, more bandings at 159.2-160m;

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl	340089	159.37	160.32	0.92	3450	352	1.6	60
Smpl	340109	160.21	161.24	1.03	1760	116	0.8	35
Smpl	340110	161.24	162.86	1.62	346	96	0.1	10
Smpl	340111	162.86	163.81	0.95	6860	102	2	70

From (m): 181.66 Rock Unit: Rhyolite lapilli/ash - 1LaT,DT
To (m): 189.00

Lithology: pale greenish l.-med.grey, 15% increasing to 40% med.-coarse qtz grains in v.f.grained qtz-sericite matrix, textural bedding visible as noted.

Structure: -moderate to strongly foliated at 50°
-bedding apparent at 45

StructFoln: 50 PrimryBed 45 DbsKey: 11

Mineral'n: -trace py

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 189.00 Rock Unit: Andesite tuff -3T
To (m): 221.25

Lithology: med.-d.greenish grey, f-v.f.grained chlorite schist, pervasively cut by fine qtz-calcite veinlets, many repetitive (cyclic) gradations into med-l.grey, thin (<0.3m) rhyolite ash intrabands (qtz-sericite-chlorite schist), blackish argillaceous wisps and thin laminae below 197m;
-@209.55-210.1m, 210.46-212.14m; 214.67-215.3m, 219.75-220.32m, rhyodacitic tuff band & minor SX

Structure: -moderate to strongly foliated at 40-50°
-@195.45-197.86m; fault zone-sheared upper contact at 50° and thick fault breccia, lower contact at 30°, -@201-208m; str.sheared chl.schist at 50°;

StructFoln: 45 PrimryBed 25 DbsKey: 12

Mineral'n: -@195.45-197.86m; 5% dissemminated py in fault breccia
-@208.5-209m; several qtz-calcite veinlets, 5% py blebs, 1/2% cp
-@209.55-210.1m; few po-py partings, tr.cp
-@210.46-212.14m; net-textured py-po & cp to 5% locally

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl	340090	211.48	212.04	0.56	4470	236	1.8	65
Smpl							
Smpl							
Smpl							

From (m): 221.25 Rock Unit: Andesite-dacite tuff - 3T, 2T

To (m): 227.58

Lithology: -gradation from above unit into..
alternating bandings (up to 8 cm each) of d.greenish grey, f.grained, chloritic tuff, with med.-greenish grey, f.grained to aphanitic, locally cherty qtz-sericite-chlorite schist, few deformed qtz-calcite veinlets -@226.8-227.1m; barren white qtz vein, NVM

Structure: -bedded at 10-25°

StructFoln: PrimryBed 20 DbsKey: 13

Mineral'n: -minor disseminated po-py laminae <1%

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 227.58 Rock Unit: Andesite tuff -3T

To (m): 235.80

Lithology: d.greenish grey, f-v.f.grained, chlorite (and minor sericite/saussurite schist, numerous boudinaged/sheared qtz veinlets up to 1cm thick

Structure: -strongly shear foliated at 40°, proto-bedding noted at 20°
-@231.68-232.88m; fault gouge breccia - brecc'd vein qtz fragments in predominant chlorite-qtz-sericite clay matrix, imbricate stacked shears at 10° to C.A. with 1-3% disseminated py-po

StructFoln: 40 PrimryBed 20 DbsKey: 14

Mineral'n: -@231.3m; 2cm MSSX band of cp-po-py; shear fractured into stepwise offsets

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl 340091	231.1	231.42	0.32	849	86	0.6	40
Smpl							
Smpl							
Smpl							

From (m): 235.80 Rock Unit: Rhyolite ash tuff - 1DT

To (m): 238.40

Lithology: whitish l.grey, predominantly v.f.grained qtz-sericite schist, <10% fine lapilli grains

Structure: -moderately foliated

StructFoln: 40 PrimryBed DbsKey: 15

Mineral'n: -tr. py-po

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Nucanolan Resources Ltd - Signficant Results, 1998 Lara Project Diamond Drilling

DDH No.	From(m)	To (m)	Interval (m)	SAMPLE NUMBER	Au ppb	Au g/t	Ag ppm	Ag g/t	As ppm	Cu ppm	Cu %	Pb ppm	Pb %	Zn ppm	Zn %
9801	20.09	21.18	1.09	340011	55		1.6		24	2060		242		2980	
9801	37.15	38.41	1.26	340012	35		1.2		8	1070		12		1120	
9801	94.62	95.62	1	340017	35		1.2		20	1505		86		270	
9801	95.62	96.61	0.99	340018	15		0.4		4	1080		14		592	
9801	96.61	98	1.39	340019	40		1.2		10	3630	0.38	<2		192	
9801	159.65	160.5	0.85	340025	10		<.2		8	1035		<2		66	
9805	77.52	78.29	0.77	340073	410		2.2		44	121		318		1520	
9805	98.44	99.3	0.86	340078	1320	1.54	>100.0	138	1850	6310	0.7	>10000	1.3	>10000	9.17
9805	99.3	100.24	0.94	340079	1640	1.23	36.4		306	4760	0.54	702		>10000	5.12
9805	100.24	101.35	1.11	340080	1180	1.23	18.4		62	6420	0.66	440		5270	0.59
9805	101.35	102	0.65	340081	665		17.6		170	1520	0.16	1310		>10000	1.4
9805	102	102.98	0.98	340082	370		21.2		92	3970	0.42	2530		>10000	3.02
9807	74.46	75.22	0.76	340040	140		1.8		24	3440	0.36	<2		176	
9807	80.55	81.39	0.84	340033	20		1.4		6	5280	0.54	<2		184	
9807	84.69	85.92	1.23	340034	30		0.8		16	2780		<2		212	
9809	140.2	140.9	0.7	340045	8710	8.09	>100.0	225	486	>10000	1.42	>10000	5.38	>10000	32.3
9809	140.9	141.55	0.65	340046	815		53.8		80	>10000	4.09	582		>10000	12.75
9809	141.6	142.32	0.63	340047	2610	1.92	39.2		112	>10000	3.01	196		>10000	10.35
9809	142.3	143.36	1.04	340048	690		22.2		18	>10000	1.8	32		1095	
9809	147.92	148.6	0.68	340049	1505	2.19	>100.0	144	310	>10000	5.39	<2		>10000	1.13
9810	61.97	62.55	0.58	340107	285		6		74	9770		12		230	
9810	80.9	81.46	0.56	340108	50		1.8		60	2960		<2		168	
9811	144.79	145.08	0.29	340101	20		0.8		20	3590		<2		74	
9811	280.5	281.4	0.91	340102	125		5.6		1970	>10000		<2		236	
9811	286	286.8	0.8	340103	35		2.6		7890	>10000		<2		102	
9811	286.8	287.52	0.72	340104	80		2		>10000	6940		<2		120	
9811	287.52	288.52	1	340105	70		2.4		>10000	8210		<2		116	
9811	288.52	289.27	0.75	340106	55		1		7390	4230		<2		96	
9812	119	120.05	1.05	340088	300		3.4		26	6640		8		192	
9812	159.37	160.32	0.92	340089	60		1.6		20	3450		2		352	
9812	160.21	161.24	1.03	340109	35		0.8		38	1760		<2		116	
9812	162.86	163.81	0.95	340111	70		2		54	6860		4		102	
9812	211.48	212.04	0.56	340090	65		1.8		14	4470		<2		236	
9812	363.4	363.67	0.27	340094	20		0.8		8	2690		<2		114	
9812	368.63	369.41	0.78	340095	70		1.2		2	2480		<2		46	
9812	388.31	389.12	0.81	340096	45		1		672	2690		<2		170	
9812	389.12	389.68	0.56	340097	110		2.4		2620	7870		<2		260	
9812	389.68	391.22	1.54	340098	10		0.8		134	3370		<2		54	
9812	391.22	391.83	0.61	340099	30		1.2		56	4930		<2		90	
9812	395.1	395.84	0.74	340100	15		0.6		3470	3890		<2		50	

From (m): 238.40 Rock Unit: Dacite tuff - 2T

To (m): 270.78

Lithology: med. greenish grey to grey, minor (<5%) qtz lapilli grains in v.f.grained to aphanitic qtz-sericite-chlorite matrix, pervasive and variable qtz-calcite veinlets, fault zones as noted

-@263.04-270.78m: basalt? - v.d.blackish green grey, v.f.grained and equigranular, v.soft, talcose on fracture surfaces, pyrox-rich

Structure: -mod. shear foliated at 40°, bedded at 20°

-@239.44m: shear at 25°; -@249-251.4m, 262.03-263.04m; fault zone-brecc'd tuff/chl./talc clay with brecc'd/non-brecc'd vein qtz.

-@260.43m; tight Z-kink folding

StructFoln: 40 PrimryBed 20 DbsKey: 16

Mineral'n: -locally 1% minor disseminated py

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 270.78 Rock Unit: Rhyolite crystal tuff - 1CT

To (m): 274.68

Lithology: pale greenish l.grey, siliceous v.f.grained to aphanitic matrix, variably and pervasively cut by qtz-calcite veinlets

Structure: -upper 2cm gougy shear contact at 40°, lower fault contact at 55°

StructFoln: PrimryBed DbsKey: 17

Mineral'n: -trace po-py

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 274.68 Rock Unit: Andesite tuff -3T

To (m): 293.70

Lithology: blackish green-grey, f.-v.f.grained (fining down) chlorite-sericite schist, minor felsic ash laminae, pervasively cut by qtz-calcite veinlets, grading to lower unit.

-@277-280m; several white qtz veins up to 2cm, all at 30° to C.A.

Structure: -weakly foliated; bedded at 25°

StructFoln: PrimryBed 25 DbsKey: 18

Mineral'n: -trace py euhedra

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:

From (m): 293.70 Rock Unit: Rhyolite ash tuff - 1DT
To (m): 299.40

Lithology: med.-l.greenish grey, v.f.grained siliceous qtz-sericite matrix, 20% qtz grains, pervasively cut by qtz-calcite veinlets
-@293-293.68m, pyroclastic breccia, ash frags to 5cm in chl.matrix
-@297.35m; 3cm qtz vein at 50°, chloritized contacts, NVM

Structure: -bedded at 10°

StructFoln: PrimryBed 10 DbsKey: 19

Mineral'n: -few minor bands up to 10cm of 1-3% disseminated py-po

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

From (m): 299.40 Rock Unit: Dacite tuff -2LaT
To (m): 305.22

Lithology: med.grey, f.-med.grained lapilli in v.f.grained siliceous ash matrix, minor chlorite in matrix, locally silicified and epidotized along contacts to numerous qtz veinlets subparallel to C.A.
-@299.77-300.53m; qtz vein, fractured wallrock halo, silicified

Structure: -upper shear contact at 20°
-unit bedded at 20°

StructFoln: PrimryBed DbsKey: 20

Mineral'n: -trace po-py blebs along vein contacts
-@299.77-300.53m; qtz vein,5-10% net textured po-py & 1% cp

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl	340092	299.77	300.53	0.76	284	40	0.1	4
Smpl							
Smpl							
Smpl							

From (m): 305.22 Rock Unit: Andesite ash&crystal tuff - 3DT,CT
To (m): 330.82

Lithology: d.greenish grey, v.f.grained to aphanitic ash matrix, <10% coarser grains, pervasive and variable qtz veinlets, texturally banded
-@318.86-319.75m; sheared chlorite schist, , v.soft, qtz vnlts@75°
-@320.43-321.12m; barren qtz vein, chl.&silicif halo, contact py
-@321.12-330.82m; blackish d.green grey, med.-l.grained and equigranular chloritic crystal tuff
-@325.44-326.62m; numerous qtz veins, chlor.contact, at 35°toC.A
-@328.5-332.46m; qtz veined shear zone, several 2-4cm qtz veins and more veinlets, v.chloritic, blebby po-py & dissem bands to 1cm

Structure: -bedded at 10° to C.A.
-weakly foliated at 30°; non-foliated below 321.12m
-@318.86-319.75m; strongly sheared at 30°
-@322.17m; 3cm fault gouge, clayey breccia at 70°
-@330.02-330.16m; fault gouge, chloritic clay & frags at 35° to C.A.

StructFoln: 30 PrimryBed 10 DbsKey: 21

Mineral'n: -few SMMX disseminated bands up to 1cm, <1% po-py
-@328.5-332.46m; qtz veined shear zone with 5-10% blebby po-py

Remarks:

Assays:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl	340093	330.82	332.1	1.28	132	112	0.4	50
Smpl							
Smpl							
Smpl							

From (m): 330.82 Rock Unit: Rhyolite ash tuff - 1DT,Cy
To (m): 333.30

Lithology: med.-l.grey, v.f.grained to aphanitic qtz-sericite and cherty, some cherty laminae up to 1cm, shear-deformed qtz veinlets

-@330.82-331.0m; SMMX bandings

Structure: -moderately shear foliated

StructFoln: 80 PrimryBed DbsKey: 22

Mineral'n: -@330.82-331.0m; SMMX bandings of py-po-cp to 50% locally

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 333.30 Rock Unit: Andesite lithic tuff -3LT
To (m): 337.45

Lithology: blackish greenish grey, 25% lithic fragments up to 3cm, in v.f.grained chloritic matrix, frags epidotized, few qtz veinlets

Structure: -contorted to 334m, non-foliated to 337.45

StructFoln: PrimryBed 45 DbsKey: 23

Mineral'n: -<1% po-py blebs

Remarks:

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 337.45 Rock Unit: Dacite ash tuff, argillaceous - 2DT,arg, SMMX
To (m): 356.00

Lithology: med.-l.greenish grey, to locally blackish,f.-v.f.grained, texturally banded ash tuff and argillaceous tuff, qtz-sericite-chlorite with numerous discrete argillite laminae and lenses (30% by 342m), SX mineralization throughout, as noted
-@347.22-347.52m; qtz vein at 10°, brecc'd/silicif.wallrock, chl/epi -argillaceous horizons stop by 353m
-@348-349.33m; contorted argill.tuff with SMMX bandings, with late undeformed qtz veinlets x-cutting mineral'n

-@353-356m; qtz veined and silicified haloes, ser-chl-qtz matrix

Structure: -well bedded at 10°
-@348.0m; shear at 45°, x-cuts/offsets minor po-py lamina
-@348-349.33m; highly contorted argill.tuff

StructFoln: PrimryBed 10 DbsKey: 24

Mineral'n: -5-10%, locally 10-20% po-py blebby dissem laminae in argillites
-generally up to 1% py euhedra throughout matrix
-@348-349.33m; SMMX bandings of 10-20% blebby lam'd po-py

Remarks: -close to or at exhalative surface

From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Smpl						
Assays:						

From (m): 356.00 Rock Unit: Dacite ash tuff, cherty -2DT,Cy, SMMX
To (m): 379.24

Lithology: med.-l.greenish grey, f.-v.f.grained to aphanitic siliceous matrix, weakly chloritic locally, few argillaceous bandings, blebby po-py SMMX laminations in arg/cherts as noted
-@363.12-367.86m; alternating argillaceous blackish tuff and tuffaceous chert bands & minor SMMX laminae to 1cm
-@363.52m; 12cm qtz vein and silicif.halo
-@367.86-368.68m; strongly silicif.and sheared; 368.68-369.52m-white qtz vein, net-text.blebby contact cp, <1% & minor py
-@372-375.7m; 50cm qtz vein in shear at 373.2m,silicif & chl, NVM
@375.2m, 8cm white qtz vein, NVM
-grades into lower unit

Structure: -bedded at 20°
-weakly foliated, to moderately foliated 35-40° by 358m
-bedding at 40° by 363m; -@364.77m, shears at 50°; -@367.9m; shear at 35°, lower contact shear at 40°

StructFoln: 40 PrimryBed 20 DbsKey: 25

Mineral'n: -blebby & dissem. po-py, generally 1%,locally up to 5%
-@363.12-363.24m; SMMX laminae up to 3cm,-po-py
-@363.52m; 12cm qtz vein, net-tex.contact cp; @365.4-376.9m, SMMX 3-10cm bands to 40% po-py laminations

Remarks: -close to or at exhalative surface

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl	340094	363.4	363.67	0.27	2690	114	0.8	20
Smpl	340095	368.63	369.41	0.78	2480	46	1.2	70
Smpl								
Smpl								
Smpl								

Assays:

From (m): 379.24 Rock Unit: Andesite ash/crystal tuff - 3DT,XT
To (m): 388.86

Lithology: d.greenish grey, f.grained chloritic ash matrix, minor interbands to 20-30cm each of crystal tuff, local siliceous patches, few argillaceous partings
-@368.46-388.86m, thin argillaceous partings & 1% po-py-cp blebs

Structure: -weakly bedded at 40°; -weak to mod. foliated at 50°; -@379.9-381.6m, strongly shear fol'd at 80°; -@382.37-383.53m, 12cm qtz vein in fault brecc, silicif, sheared at 70°

StructFoln: 50 PrimryBed 40 DbsKey: 26

Mineral'n: -@388.46-388.86m, 1% po-py-cp blebs

Remarks:

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl								
Smpl								
Smpl	340096	388.31	389.12	0.81	2690	170	1	45
Smpl								
Smpl								
Smpl								

Assays:

From (m): 388.86 Rock Unit: Andesite ash tuff, Qvn - 3DT, Qvn
To (m): 391.97

Lithology: -heavily altered and bleached zone around major qtz vein in andesite unit as above, silicified and chloritized tuff, buff-grey

-main qtz vein at 389.2-389.55m; at 45° to C.A.

Structure: -weak to moderately foliated at 55°
-@391.81m, 2cm fault gouge at 50°

StructFoln: 55 PrimryBed DbsKey: 27

Mineral'n: -389.02-389.1m, MSSX po & trace cp in silica flood
-@389.2-389.55m, 5-10% po-py-cp blebbing and net-textured
-@391.37-391.44m, 10% net-textured chalcopy, minor py

Remarks: -stringer vein system and mineralization

		From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl	340097	389.12	389.68	0.56	7870	260	2.4	110
Smpl	340098	389.68	391.22	1.54	3370	54	0.8	10
Smpl	340099	391.22	391.83	0.61	4930	90	1.2	30
Smpl								
Smpl								
Smpl								

Assays: 340097, As=2620ppm;

From (m): 391.97 Rock Unit: Andesite tuff/ chlorite schist - 3T

To (m): 418.92

Lithology: blackish green-grey, v.f.grained and equigranular, chlorite-sericite schist, pervasive qtz-calcite veinlets

-@395.18-395.84m, silicified, bleached and epidotized
-@407-418.92m, dense qtz-calcite veinlets throughout, local silicif'n, weakly deformed , NVM

Structure: -v.strongly foliated at 35°
-@397.4m, 5cm fault gouge at 80°

StructFolm: 35 PrimryBed DbsKey: 28

Mineral'n: -@395.18-395.84m, 5% py-po, up to 1% cp as fracture fills and contact mineral'n around veinlets

Remarks:

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl	340100	395.1	395.84	0.74	3890	50	0.6	15
Smpl							
Smpl							
Smpl							
Smpl							

Assays: 340100, As=3470ppm;

From (m): 418.92 Rock Unit: Andesite crystal/ash tuff - 3CT,DT

To (m): 449.88

Lithology: d.greenish grey, texturally banded and repetitive sequence of f.grained and equigranular crystal tuffs, grading over 1-2m to v.f.grained chloritic ash matrix, repeated stacked sequence

-@435m, grades to massive monolithic f.-med.grained crystal tuff, minor saussuritized plagios in chloritic matrix, strongly hematized

-@440.66-440.84m, 20cm qtz vein, chlor'd contacts
-@444.0-444.7m, unit is 60% qtz in 5 barren veins up to 25cm each,heavily chlor/silicif'd wallrock; -@447.7-448.44m, intensely bleached and silicified thermal halo 'over' vein - overturned

Structure: -weakly foliated
-@440m, becomes moderately well foliated at 50°, chloritic fault gouge clay to lower shear contact at 440.84m, to 60°

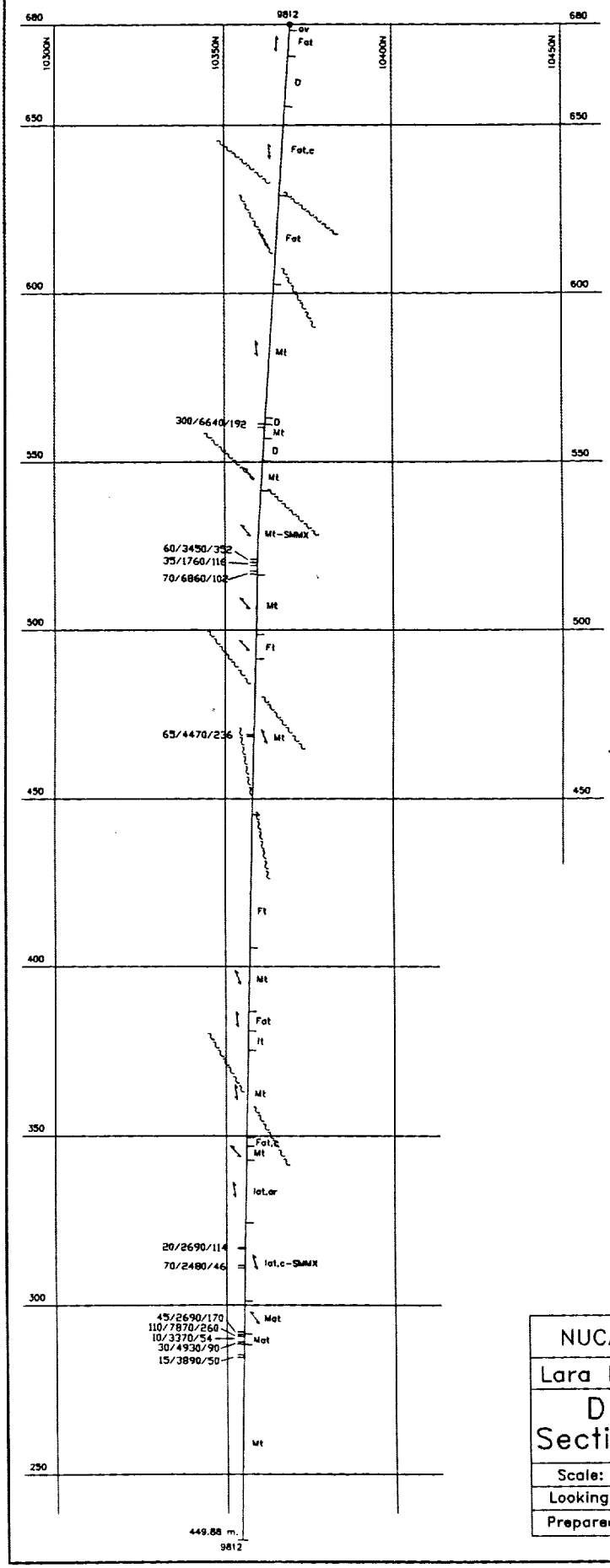
Struct'folm: 50 PrimryBed DbsKey: 29

Mineral'n: -trace only py-po, mineral-poor sequence overall
-@444.33m, 1cm MSSX po&minor py band

Remarks: E.O.H. 449.88m -hematized mafics possibly mark rifting mafic volcanic cap over felsic exhalatives??

	From(m	To(m)	Intrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							
Smpl							

Assays:



55/2060/2980

Assays & sample interval
(AU-ppb/CU-ppm*/ZN-ppm*)
*except where % shown

GEOLOGICAL LEGEND

D - Mafic intrusive (diorite)

Myra Formation (Late Devonian)

S -Sediments
F -Felsic volcanic (rhyolite)
I -Intermediate volcanic (dacite)
M -Mafic volcanic (andesite)

ar - argillite
c - chert
IF - iron formation
t - tuff, undifferentiated
at - ash/dust tuff
qe - quartz eye tuff

SMMX/MSSX - Semi-massive/ massive sulphide bandings

Bedding tops (fining)

Bedding angle to core

Major fault/shear to core angle

NUCANOLAN RESOURCES LTD

Lara Project-Vancouver Is., B.C.

D.D. Hole 98-12
Section along 102+42W

Scale: 1:1500 | Elevations in m.a.s.l.

Looking Minnova grid west to 298° azimuth

Prepared by J.A.Richard, Proj.Geol. - Feb/99

DDH No.	From(m)	To (m)	Interval (m)	SAMPLE NUMBER	Au ppb	Au g/t	Ag ppm	Ag g/t	As ppm	Ba ppm	Cd ppm	Cu ppm	Cu %	Mn ppm	Mo ppm	Na %	Ni ppm	Pb ppm	Pb %	Sb ppm	Zn ppm	Zn %
9801	20.09	21.18	1.09	340011	55		1.6		24	50	17.5	2060		2490	26	<.01	52	242		4	2980	
9801	37.15	38.41	1.26	340012	35		1.2		8	40	5.5	1070		2900	9	0.01	4	12		2	1120	
9801	90.77	91.77	1	340013	25		0.4		14	60	3	367		1100	3	0.01	1	14		2	508	
9801	91.77	92.62	0.82	340014	35		1		26	50	3	724		540	5	<.01	2	106		<2	490	
9801	92.62	93.62	1	340015	15		0.2		8	90	3	473		1025	3	0.01	1	2		<2	544	
9801	93.62	94.62	1	340016	10		<.2		6	110	0.5	438		1235	1	0.01	<1	<2		2	214	
9801	94.62	95.62	1	340017	35		1.2		20	40	1.5	1505		825	14	0.01	3	86		<2	270	
9801	95.62	96.61	0.99	340018	15		0.4		4	90	3.5	1080		900	5	0.01	4	14		2	592	
9801	96.61	98	1.39	340019	40		1.2		10	90	1	3630	0.38	670	3	0.01	1	<2		<2	192	
9801	98	99.21	1.21	340020	20		0.4		12	70	1	396		440	5	0.01	2	44		<2	174	
9801	101.59	102.41	0.82	340021	30		0.4		24	20	6	555		845	5	<.01	2	8		2	724	
9801	109.18	110.12	0.94	340022	35		0.2		54	10	<.5	282		285	3	<.01	4	2		<2	50	
9801	122.79	123.56	0.77	340023	15		0.2		68	40	<.5	512		790	16	<.01	12	16		<2	80	
9801	124.38	125.27	0.89	340024	45		0.2		24	90	<.5	831		655	9	<.01	16	<2		<2	56	
9801	159.65	160.5	0.85	340025	10		<.2		8	110	<.5	1036		1240	4	<.01	16	<2		2	66	
9801	192.31	193.1	0.79	340026	40		0.6		16	30	<.5	389		1220	7	<.01	13	<2		<2	64	
9802	24.8	25.83	1.03	340001	<5		<.2		2	<10	<.5	530		905	2	0.01	22	<2		2	72	
9802	27.12	28.12	1	340002	<5		<.2		2	40	<.5	36		475	1	0.03	4	<2		<2	28	
9802	55.76	56.24	0.48	340003	<5		<.2		<2	40	<.5	46		710	1	0.02	16	<2		<2	32	
9802	66.5	67.6	1.01	340004	<5		<.2		2	60	<.5	22		410	3	0.04	11	<2		<2	40	
9802	93.9	94.7	0.8	340005	<5		<.2		4	<10	<.5	70		800	<1	0.01	21	<2		2	34	
9802	113.08	113.62	0.54	340006	<5		<.2		26	90	<.5	13		160	3	0.02	2	6		<2	70	
9802	114.86	115.5	0.64	340007	5		0.2		1425	130	<.5	25		385	3	0.02	12	2		2	44	
9803	76.46	77.25	0.79	340008	<5		<.2		6	110	<.5	237		1055	1	0.01	20	<2		2	90	
9804	16.34	17.66	1.33	340027	<5		<.2		<2	150	<.5	32		130	3	0.04	3	<2		<2	18	
9804	46.68	48.08	1.4	340028	<5		<.2		2	40	<.5	82		755	3	0.01	22	<2		<2	42	
9804	48.08	49.14	1.06	340029	<5		<.2		2	30	<.5	121		690	1	0.01	20	<2		<2	38	
9804	88.34	89.28	0.96	340030	10		0.2		50	100	<.5	18		165	4	0.03	4	18		<2	176	
9805	34.82	35.74	0.92	340069	<5		<.2		<2	160	<.5	111		940	2	0.04	5	<2		<2	48	
9805	44.71	45.71	1	340070	<5		<.2		<2	120	<.5	5		365	1	0.05	4	<2		<2	14	
9805	51.21	52.15	0.94	340071	<5		<.2		<2	120	<.5	37		1195	1	0.03	19	<2		<2	42	
9805	54	54.69	0.69	340072	<5		<.2		<2	30	<.5	78		910	4	0.04	14	<2		2	52	
9805	77.52	78.29	0.77	340073	410		2.2		44	50	6.5	121		125	8	<.01	31	318		2	1620	
9805	88.33	89.35	1.02	340074	20		<.2		10	120	<.5	29		185	4	0.01	3	2		<2	66	
9805	89.35	90.22	0.87	340075	30		0.4		34	50	<.5	12		210	1	0.01	3	14		2	40	

9805	90.22	90.97	0.75	340076	115		3.4		14	50	<.5	18		125	2	0.03	1	204		6	150			
9805	93.27	94.18	0.91	340077	120		12.6		42	30	0.5	202		215	8	0.01	7	22		30	188			
9805	98.44	99.3	0.86	340078	1320	1.64	>100.0	138	1850	10	369	6310	0.7	180	31	<.01	15	>10000	1.3	200	>10000	9.17		
9805	99.3	100.24	0.94	340079	1640	1.23	36.4		306	20	198.5	4760	0.64	125	25	<.01	6	702		42	>10000	6.12		
9805	100.24	101.35	1.11	340080	1180	1.23	18.4		62	30	32.5	6420	0.86	210	28	<.01	4	440		4	5270	0.69		
9805	101.35	102	0.65	340081	665		17.6		170	40	83	1620	0.16	250	9	<.01	11	1310		18	>10000	1.4		
9805	102	102.98	0.98	340082	370		21.2		92	10	126.5	3970	0.42	95	14	<.01	15	2530		28	>10000	3.02		
9806	34.38	35.17	0.79	340041	10		<.2		6	40	<.5	15		170	3	0.03	4	2		<2	6			
9806	38.8	39.96	1.16	340042	35		0.2		78	40	<.5	28		415	6	<.01	6	2		<2	50			
9807	47.55	48.72	1.17	340031	45		0.2		6	50	<.5	406		1195	10	<.01	17	<2		2	122			
9807	51.7	53.13	1.43	340032	85		0.4		10	100	<.5	116		365	9	<.01	4	10		<2	44			
9807	73.32	74.46	1.14	340039	50		0.6		20	30	<.5	401		2450	10	<.01	20	<2		<2	230			
9807	74.46	75.22	0.76	340040	140		1.8		24	20	1.5	3440	0.36	1820	19	<.01	19	<2		<2	176			
9807	80.55	81.39	0.84	340033	20		1.4		6	120	1.5	5280	0.64	2100	<1	<.01	14	<2		2	184			
9807	84.69	85.92	1.23	340034	30		0.8		16	60	0.5	2780		2260	1	<.01	19	<2		2	212			
9807	87.28	87.98	0.7	340035	<5		0.4		8	200	<.5	916		1695	<1	<.01	14	<2		<2	156			
9807	122.2	123.37	1.17	340036	<5		<.2		<2	20	<.5	17		320	2	0.02	42	<2		<2	24			
9807	132.32	133.7	1.38	340037	<5		<.2		2	50	<.5	50		385	3	0.04	11	<2		<2	48			
9807	141.5	142.5	1	340038	<5		<.2		<2	50	<.5	33		515	4	0.03	11	<2		<2	40			
9809	87.96	89.44	1.48	340044	10		<.2		16	40	<.5	37		75	19	0.01	20	6		<2	18			
9809	140.2	140.9	0.7	340045	8710	8.09	>100.0	225	486	50	>500.	>10000	1.42	370	31	0.01	3	>10000	5.38	698	>10000	32.3		
9809	140.9	141.55	0.65	340046	815		53.8		80	70	452	>10000	4.09	125	52	<.01	<1	582		50	>10000	12.76		
9809	141.6	142.32	0.63	340047	2610	1.92	39.2		112	10	430	>10000	3.01	140	55	0.01	3	196		12	>10000	10.36		
9809	142.3	143.36	1.04	340048	690		22.2		18	100	7	>10000	1.8	225	<1	0.03	5	32		40	1095			
9809	147.92	148.6	0.68	340049	1605	2.19	>100.0	144	310	40	60	>10000	5.39	155	2	0.01	18	<2		868	>10000	1.13		
9809	152.84	153	0.16	340050	145		0.8		66	20	1	68		100	23	0.01	14	124		4	152			
9810	61.97	62.55	0.58	340107	285		6		74	<10	5	9770		1070	24	<.01	11	12		4	230			
9810	80.9	81.46	0.56	340108	50		1.8		60	50	4	2960		910	10	<.01	11	<2		2	168			
9811	33	34	1	340083	15		<.2		6	70	<.5	295		645	20	<.01	12	<2		2	60			
9811	49.78	50.84	1.06	340084	20		<.2		14	40	<.5	14		760	13	<.01	2	<2		<2	44			
9811	144.79	145.08	0.29	340101	20		0.8		20	60	1	3590		1255	16	<.01	19	<2		<2	74			
9811	280.5	281.4	0.91	340102	125		5.6		1970	<10	1.5	>10000		805	47	<.01	25	<2		<2	236			
9811	286	286.8	0.8	340103	35		2.6		7890	20	0.5	>10000		840	57	0.01	21	<2		10	102			
9811	286.8	287.52	0.72	340104	80		2		>10000	10	1	6940		825	51	<.01	21	<2		12	120			
9811	287.52	288.52	1	340105	70		2.4		>10000	<10	1.5	8210		535	50	<.01	24	<2		12	116			
9811	288.52	289.27	0.75	340106	55		1		7390	20	1	4230		700	33	0.01	18	<2		8	96			

9812	31.38	32.54	1.16	340085	55	0.6	8	70	0.5	800	335	6	<.01	4	<2	<2	44
9812	47.55	48.92	1.37	340086	35	0.4	14	60	1	35	715	7	<.01	3	30	2	192
9812	48.92	49.92	1	340087	95	0.4	24	20	<.5	46	970	16	<.01	15	40	<2	132
9812	119	120.05	1.05	340088	300	3.4	26	110	7	6640	1590	1	<.01	85	8	2	192
9812	159.37	160.32	0.92	340089	60	1.6	20	40	2.5	3460	2330	11	<.01	26	2	<2	352
9812	160.21	161.24	1.03	340109	35	0.8	38	40	0.5	1760	1515	15	<.01	13	<2	<2	116
9812	161.24	162.86	1.62	340110	10	<.2	18	90	<.5	346	1405	7	<.01	12	<2	<2	96
9812	162.86	163.81	0.95	340111	70	2	54	<10	2.5	6860	575	57	<.01	11	4	8	102
9812	211.48	212.04	0.56	340090	65	1.8	14	50	3	4470	1690	1	0.01	30	<2	6	236
9812	231.1	231.42	0.32	340091	40	0.6	18	90	0.5	849	795	5	<.01	25	2	<2	86
9812	299.77	300.53	0.76	340092	<5	<.2	4	110	<.5	284	570	2	0.01	19	<2	2	40
9812	330.82	332.1	1.28	340093	50	0.4	14	10	<.5	132	975	7	<.01	5	6	<2	112
9812	363.4	363.67	0.27	340094	20	0.8	8	110	0.5	2690	1030	3	0.01	15	<2	<2	114
9812	368.63	369.41	0.78	340095	70	1.2	2	130	1	2480	285	3	0.01	4	<2	2	46
9812	388.31	389.12	0.81	340096	45	1	672	100	1.5	2690	470	3	0.04	8	<2	2	170
9812	389.12	389.68	0.56	340097	110	2.4	2620	70	2	7870	425	6	0.01	7	<2	<2	260
9812	389.68	391.22	1.54	340098	10	0.8	134	130	1	3370	515	8	0.02	19	<2	<2	54
9812	391.22	391.83	0.61	340099	30	1.2	56	70	2.5	4930	520	33	0.01	9	<2	<2	90
9812	395.1	395.84	0.74	340100	15	0.6	3470	60	<.5	3890	495	23	0.01	7	<2	<2	50

DDH No.	SAMPLE NUMBER	Au ppb	Au g/t	Ag ppm	Ag g/t	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Cu %	Fe %	Ga ppm	Hg ppm	K %	La ppm
9802	340001	<5		<.2		3.12	2	<10	<.5	<2	1.99	<.5	25	46	530		6.56	<10	<1	<.01	<10
9802	340002	<5		<.2		1.78	2	40	<.5	<2	1.71	<.5	17	28	36		5.75	<10	<1	0.06	<10
9802	340003	<5		<.2		2.44	<2	40	<.5	<2	2.86	<.5	23	56	46		7.76	<10	<1	0.05	<10
9802	340004	<5		<.2		1.82	2	60	<.5	<2	1.6	<.5	19	61	22		6.07	<10	<1	0.13	<10
9802	340005	<5		<.2		2.83	4	<10	<.5	<2	2.45	<.5	33	62	70		7.05	<10	<1	0.01	<10
9802	340006	<5		<.2		0.55	26	90	<.5	<2	1.58	<.5	5	37	13		1.96	<10	<1	0.24	<10
9802	340007	5		0.2		1.41	1425	130	<.5	<2	3.19	<.5	8	39	25		3	<10	<1	0.21	<10
9803	340008	<5		<.2		3.29	6	110	<.5	<2	5.6	<.5	22	19	237		6.19	10	<1	0.13	<10
VOIDED	340009																				
VOIDED	340010																				
9801	340011	55		1.6		2.47	24	50	<.5	4	1.8	17.5	7	153	2060		6.07	<10	<1	0.13	<10
9801	340012	35		1.2		1.69	8	40	<.5	<2	1.94	5.5	10	27	1070		5.02	<10	<1	0.19	<10
9801	340013	25		0.4		2.49	14	60	<.5	2	1.17	3	5	33	367		5.01	<10	<1	0.1	<10
9801	340014	35		1		0.85	26	50	<.5	2	0.95	3	5	34	724		7.92	<10	<1	0.13	<10
9801	340015	15		0.2		2.37	8	90	<.5	<2	1	3	3	35	473		4.48	<10	<1	0.15	<10
9801	340016	10		<.2		2.71	6	110	<.5	<2	1.21	0.5	3	32	438		3.62	<10	<1	0.13	10
9801	340017	35		1.2		1.81	20	40	<.5	4	1.1	1.5	6	38	1505		6.33	<10	<1	0.13	<10
9801	340018	15		0.4		1.55	4	90	<.5	<2	1.49	3.5	2	49	1080		3.22	<10	<1	0.15	<10
9801	340019	40		1.2		1.46	10	90	<.5	<2	1	1	<1	53	3630	0.38	3.73	<10	<1	0.14	<10
9801	340020	20		0.4		1.35	12	70	<.5	2	0.56	1	1	56	396		4.75	<10	<1	0.19	<10
9801	340021	30		0.4		2.05	24	20	<.5	2	1.08	6	5	31	555		7.44	<10	<1	0.15	<10
9801	340022	35		0.2		1.21	54	10	<.5	6	0.31	<.5	22	35	282		9.28	<10	<1	0.19	<10
9801	340023	15		0.2		2.59	68	40	<.5	2	0.27	<.5	21	26	512		11	<10	<1	0.16	<10
9801	340024	45		0.2		1.98	24	90	<.5	2	0.56	<.5	9	27	831		3.88	<10	<1	0.18	<10
9801	340025	10		<.2		4.27	8	110	<.5	2	0.61	<.5	36	47	1035		7.12	<10	<1	0.1	<10
9801	340026	40		0.6		3.81	16	30	<.5	2	0.55	<.5	24	22	389		8.33	<10	<1	0.06	<10
9804	340027	<5		<.2		0.78	<2	150	<.5	<2	0.11	<.5	4	32	32		2.4	<10	<1	0.14	<10
9804	340028	<5		<.2		2.08	2	40	<.5	<2	2.7	<.5	27	44	82		6.02	<10	<1	0.04	<10
9804	340029	<5		<.2		2.14	2	30	<.5	<2	2.19	<.5	28	41	121		5.92	<10	<1	0.03	<10
9804	340030	10		0.2		0.96	50	100	<.5	<2	1.61	<.5	6	30	18		2.27	<10	<1	0.15	<10
9807	340031	45		0.2		3.55	6	50	<.5	2	0.37	<.5	15	28	406		5.4	<10	<1	0.1	<10
9807	340032	85		0.4		1.02	10	100	<.5	<2	0.5	<.5	6	30	116		2.92	<10	<1	0.2	<10
9807	340033	20		1.4		4.22	6	120	<.5	2	1.16	1.5	9	57	5280	0.54	5.7	<10	<1	0.07	<10
9807	340034	30		0.8		4.48	16	60	<.5	<2	0.34	0.5	21	35	2780		8.11	<10	<1	0.16	<10
9807	340035	<5		0.4		3.16	8	200	<.5	<2	0.96	<.5	21	50	916		4.22	<10	<1	0.08	<10
9807	340036	<5		<.2		1.42	<2	20	<.5	<2	0.58	<.5	16	121	17		5.15	<10	<1	0.09	<10
9807	340037	<5		<.2		1.49	2	50	<.5	<2	1.43	<.5	11	40	50		4.3	<10	<1	0.14	<10
9807	340038	<5		<.2		1.11	<2	50	<.5	<2	3.07	<.5	14	35	33		3.27	<10	<1	0.06	<10
9807	340039	50		0.6		4.79	20	30	<.5	<2	0.35	<.5	25	72	401		7.75	<10	<1	0.04	<10
9807	340040	140		1.8		3.54	24	20	<.5	2	0.64	1.5	29	59	3440	0.36	10.6	<10	<1	0.04	<10
9806	340041	10		<.2		0.27	6	40	<.5	<2	1.46	<.5	8	35	15		2.5	<10	<1	0.16	<10
9806	340042	35		0.2		0.35	78	40	<.5	<2	2.7	<.5	12	72	28		3.94	<10	<1	0.25	<10
VOIDED	340043																				
9809	340044	10		<.2		0.36	16	40	<.5	<2	0.72	<.5	8	32	37		3.27	<10	<1	0.25	<10
9809	340045	8710	8.09	>100.0	225	0.16	486	50	<.5	Intf*	5.57	>500.	7	20	>10000	1.42	5.33	10	27	0.05	<10
9809	340046	815		53.8		0.29	80	70	<.5	Intf*	0.96	452	9	39	>10000	4.09	8.42	<10	19	0.15	<10
9809	340047	2510	1.92	39.2		0.38	112	10	<.5	Intf*	1	430	15	35	>10000	3.01	10.3	<10	10	0.18	<10
9809	340048	690		22.2		0.39	18	100	<.5	Intf*	2.11	7	6	34	>10000	1.8	2.73	<10	<1	0.2	<10
9809	340049	1505	2.19	>100.0	144	0.1	310	40	<.5	Intf*	0.75	60	37	107	>10000	5.39	7.19	<10	10	0.06	<10
9809	340050	145		0.8		0.32	66	20	<.5	<2	0.9	1	17	29	68		6.03	<10	<1	0.14	<10
9805	N340069	<5		<.2		1.83	<2	160	<.5	<2	3.03	<.5	15	21	111		3.5	<10	<1	0.1	10
9805	N340070	<5		<.2		0.84	<2	120	<.5	<2	1.59	<.5	5	38	5		2.46	<10	2	0.15	<10
9805	N340071	<5		<.2		3.63	<2	120	<.5	<2	4.29	<.5	23	49	37		6.13	<10	<1	0.07	<10
9805	N340072	<5		<.2		2.33	<2	30	<.5	<2	2.75	<.5	25	40	78		6.5	<10	<1	0.09	<10

9805	N340073	410		2.2		0.54	44	50	<.5	<2	1.26	6.5	7	36	121		3.06	<10	<1	0.31	<10
9805	N340074	20		<.2		0.51	10	120	<.5	<2	1.57	<.5	5	42	29		1.68	<10	<1	0.34	<10
9805	N340075	30		0.4		0.32	34	50	<.5	<2	1.8	<.5	3	30	12		3.22	<10	<1	0.21	<10
9805	N340076	115		3.4		0.31	14	50	<.5	<2	1.17	<.5	4	30	18		2.26	<10	<1	0.2	<10
9805	N340077	120		12.6		0.4	42	30	<.5	2	1.96	0.5	7	59	202		2.97	<10	<1	0.27	<10
9805	N340078	1320	1.54	>100.0	138	0.25	1850	10	<.5	10	1.67	369	3	34	6310	0.7	6.92	<10	18	0.16	<10
9805	N340079	1640	1.23	36.4		0.29	306	20	<.5	6	1.08	198.5	2	47	4760	0.54	6.74	<10	7	0.19	<10
9805	N340080	1180	1.23	18.4		0.34	62	30	<.5	<2	2.08	32.5	1	53	6420	0.66	9.24	<10	3	0.22	<10
9805	N340081	665		17.6		0.27	170	40	<.5	<2	2.16	63	7	30	1520	0.16	3.69	<10	4	0.19	<10
9805	N340082	370		21.2		0.32	92	10	<.5	4	0.91	126.5	7	42	3970	0.42	6.12	<10	10	0.18	<10
9811	N340083	15		<.2		1.85	6	70	<.5	<2	0.23	<.5	8	44	295		3.13	<10	<1	0.12	<10
9811	N340084	20		<.2		2.01	14	40	<.5	2	0.8	<.5	12	43	14		5.07	<10	<1	0.06	<10
9812	N340085	55		0.6		0.67	8	70	<.5	<2	0.42	0.5	4	32	800		3	<10	<1	0.15	<10
9812	N340086	35		0.4		1.31	14	60	<.5	<2	0.63	1	6	50	35		4.02	<10	<1	0.17	<10
9812	N340087	95		0.4		2.05	24	20	<.5	<2	0.61	<.5	13	54	46		5.86	<10	<1	0.17	<10
9812	N340088	300		3.4		4.15	26	110	<.5	<2	9.46	7	56	83	6640		7.65	10	<1	0.17	<10
9812	N340089	60		1.6		5.23	20	40	<.5	<2	0.38	2.5	30	136	3450		10.3	10	<1	0.17	<10
9812	N340090	65		1.8		4.29	14	50	<.5	<2	2.33	3	25	111	4470		6.02	10	<1	0.17	<10
9812	N340091	40		0.6		3.71	18	90	<.5	<2	1.38	0.5	30	88	849		6.24	<10	<1	0.17	<10
9812	N340092	<5		<.2		2.14	4	110	<.5	<2	3.3	<.5	37	53	284		5.94	<10	<1	0.17	<10
9812	N340093	50		0.4		3.25	14	10	<.5	<2	0.93	<.5	26	25	132		10.55	<10	<1	0.17	<10
9812	N340094	20		0.8		3.37	8	110	<.5	<2	2.42	0.5	17	63	2690		5.47	<10	<1	0.17	<10
9812	N340095	70		1.2		0.67	2	130	<.5	<2	1.32	1	17	159	2480		1.78	<10	<1	0.17	<10
9812	N340096	45		1		2.58	672	100	<.5	<2	2.02	1.5	47	25	2690		7.98	<10	<1	0.17	<10
9812	N340097	110		2.4		1.87	2620	70	<.5	<2	3.34	2	42	58	7870		6.71	<10	<1	0.17	<10
9812	N340098	10		0.8		2.79	134	130	<.5	<2	2.97	1	66	45	3370		6.9	<10	<1	0.17	<10
9812	N340099	30		1.2		2.61	56	70	<.5	<2	1.38	2.5	108	65	4930		8.56	<10	<1	0.17	<10
9812	N340100	15		0.6		2.06	3470	60	<.5	<2	2	<.5	20	34	3890		7.11	<10	<1	0.17	<10
9811	N340101	20		0.8		3.94	20	60	<.5	<2	1.27	1	36	110	3690		8.15	10	<1	0.17	<10
9811	N340102	125		5.6		2.74	1970	<10	<.5	Intf*	0.43	1.5	73	40	>10000		>15.00	10	<1	0.17	<10
9811	N340103	35		2.6		2.82	7890	20	<.5	Intf*	1.75	0.5	40	40	>10000		14.7	10	<1	0.17	<10
9811	N340104	80		2		3.06	>10000	10	<.5	<2	1.54	1	172	46	6940		>15.00	10	1	0.17	<10
9811	N340105	70		2.4		1.89	>10000	<10	<.5	8	1.5	1.5	86	45	8210		>15.00	10	<1	0.17	<10
9811	N340106	55		1		2.26	7390	20	<.5	<2	1.47	1	54	46	4230		10.35	<10	<1	0.17	<10
9810	N340107	285		6		2.54	74	<10	<.5	<2	0.34	5	33	58	9770		>15.00	<10	<1	0.17	<10
9810	N340108	50		1.8		2.87	60	50	<.5	<2	3.05	4	26	58	2960		9.05	10	<1	0.17	<10
9812	N340109	35		0.8		4.96	38	40	<.5	<2	0.76	0.5	39	44	1760		10.8	10	<1	0.17	<10
9812	N340110	10		<.2		4.46	18	90	<.5	<2	0.53	<.5	25	39	346		7.32	10	<1	0.17	<10
9812	N340111	70		2		1.39	54	<10	<.5	50	1.74	2.5	107	63	6860		14.85	<10	<1	0.17	<10

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

INVOICE NUMBER I I9824016

BILLING INFORMATION

Date: 17-JUL-98
Project: LARA
P.O. No.:
Account: QHG

Comments: LTJ495XNR.98Q

Billing: For analysis performed on Certificate A9824016

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	205 - Geochem ring to approx 150 mesh	2.50		
	EX-1 Package	16.75		
	0-3 Kg crush and split	2.60	21.85	218.50

Total Cost $	218.50
Client Discount (15%) $	-32.78
Net Cost $	185.72
(Reg# R100938885) GST $	13.00
TOTAL PAYABLE (CDN) $	**198.72**

OK JW

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number : 1-A
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : I9823962
P.O. Number :
Account : QHG

CERTIFICATE OF ANALYSIS A9823962

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm
340055	208	226	40	-----	< 1	0.97	70	60	< 5	< 10	0.45	< 5	65	110	130	11.75	< 10	0.10	0.67	310	20
340056	208	226	40	-----	< 1	0.66	50	60	< 5	< 10	0.04	< 5	90	130	235	14.05	< 10	0.08	0.41	130	30
340058	208	226	2350	-----	68	0.29	90	260	< 5	10	0.17	< 5	20	110	16440	19.30	< 10	0.27	0.04	70	35
340059	208	226	660	-----	37	0.11	30	120	< 5	< 10	0.03	< 5	5	60	12040	2.25	< 10	0.10	0.01	10	< 5
340061	208	226	4570	-----	>200	0.05	420	300	< 5	30	0.04	>1000	5	< 10	24100	2.75	150	0.03	< 0.01	70	90
340063	208	226	>10000	13.85	>200	0.04	1680	360	< 5	20	10.15	>1000	< 5	< 10	30700	4.66	30	0.03	< 0.01	280	200
340064	208	226	3870	-----	>200	0.06	980	340	< 5	10	0.13	>1000	5	< 10	30400	3.39	90	0.03	< 0.01	70	125
340067	208	226	75	-----	3	1.50	50	20	< 5	< 10	0.06	15	115	130	390	18.05	< 10	0.04	1.09	240	30

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number : 1-B
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : I9823962
P.O. Number :
Account : QHG

CERTIFICATE OF ANALYSIS A9823962

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
340055	208 226	0.05	< 5	100	< 5	< 10	< 5	5	0.01	< 20	< 20	< 20	< 20	40
340056	208 226	0.05	< 5	100	< 5	< 10	< 5	5	0.03	< 20	< 20	< 20	< 20	40
340058	208 226	0.06	15	100	15	< 10	< 5	20	< 0.01	< 20	< 20	< 20	< 20	385
340059	208 226	0.04	< 5	< 100	15	< 10	< 5	5	< 0.01	< 20	< 20	< 20	< 20	165
340061	208 226	0.04	< 5	< 100	>50000	420	< 5	10	< 0.01	< 20	< 20	< 20	< 20	>50000
340063	208 226	0.04	< 5	< 100	40900	1310	< 5	40	< 0.01	< 20	< 20	< 20	< 20	>50000
340064	208 226	0.03	< 5	< 100	23000	840	< 5	5	< 0.01	< 20	< 20	< 20	< 20	>50000
340067	208 226	0.05	< 5	100	390	< 10	< 5	5	0.02	< 20	< 20	20	< 20	2560

CERTIFICATION: Hank Bicalle

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

INVOICE NUMBER I 9823962

BILLING INFORMATION

Date: 18-JUL-98
Project: LARA
P.O. No.:
Account: QHG

Comments: LTJ495XNR.98Q

Billing: For analysis performed on Certificate A9823962

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
7	208 - Assay ring to approx 150 mesh	2.50		
	A-30 ICP Package	10.50		
	0-3 Kg crush and split	2.60		
	983 - Au ppb FA+AA	9.75	25.35	177.45
1	208 - Assay ring to approx 150 mesh	2.50		
	A-30 ICP Package	10.50		
	0-3 Kg crush and split	2.60		
	983 - Au ppb FA+AA	9.75		
	997 - Au FA g/t	11.75	37.10	37.10

Total Cost $	214.55
Client Discount (15%) $	-32.18
Net Cost $	182.37
(Reg# R100938885) GST $	12.77
TOTAL PAYABLE (CDN) $	**195.14**

ok ja

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

INVOICE NUMBER I9824451

BILLING INFORMATION

Date: 15-JUL-98
Project: LARA
P.O. No.:
Account: QHG

Comments: LTJ495XNR.98Q

Billing: For analysis performed on
Certificate A9824451

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION		UNIT PRICE	SAMPLE PRICE	AMOUNT
1	244 - Pulp; prev. prepared at Chemex		0.00		
	384 - Ag FA	g/t	10.50		
	312 - Pb	%	8.00		
	316 - Zn	%	8.00	26.50	26.50
2	244 - Pulp; prev. prepared at Chemex		0.00		
	384 - Ag FA	g/t	10.50		
	316 - Zn	%	8.00	18.50	37.00

Total Cost $	63.50
Client Discount (15%) $	-9.53
Net Cost $	53.97
(Reg# R100938885) GST $	3.78
TOTAL PAYABLE (CDN) $	**57.75**

OK Joe

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

INVOICE NUMBER I9824741

BILLING INFORMATION

Date: 17-JUL-98
Project: LARA
P.O. No.:
Account: QHG

Comments: LTJ495XNR.98Q

Billing: For analysis performed on
Certificate A9824741

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
1	244 - Pulp; prev. prepared at Chemex	0.00		
	316 - Zn %	8.00	8.00	8.00

Total Cost $	8.00
Client Discount (15%) $	-1.20
Net Cost $	6.80
(Reg# R100938885) GST $	0.48
TOTAL PAYABLE (CDN) $	**7.28**

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: NUCANOLAN

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

A9824451

Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

CERTIFICATE A9824451

(QHG) - NUCANOLAN

Project: LARA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	3	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
384	3	Ag g/t: Gravimetric	FA-GRAVIMETRIC	3	1000
312	1	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	3	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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: NUCANOLAN

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number :1
Total Pages :1
Certificate Date: 15-JUL-98
Invoice No. :I9824451
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9824451

SAMPLE	PREP CODE	Ag FA g/t	Pb %	Zn %
340061	244 --	371	17.40	42.4
340063	244 --	439	-----	35.1
340064	244 --	234	-----	54.2

OVERLIMITS from A9823962

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

A9824741

Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

CERTIFICATE A9824741

(QHG) - NUCANOLAN RESOURCES LTD.

Project: LARA
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
316	1	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number :1
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9824741
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9824741

SAMPLE	PREP CODE	Zn %
340066	244 --	2.01

OVERLIMITS from A9824016

CERTIFICATION: Said Ceinad

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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CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number : 1-A
Total Pages : 1
Certificate Date: 16-JUL-98
Invoice No. : I9824016
P.O. Number :
Account : QHG

CERTIFICATE OF ANALYSIS A9824016

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
340051	205	226	55	0.6	1.23	26	40	< 0.5	< 2	0.04	< 0.5	6	46	34	4.91	< 10	1	0.17	< 10	1.02	300
340052	205	226	15	0.4	1.73	8	200	< 0.5	< 2	0.03	< 0.5	4	86	242	2.60	< 10	< 1	0.21	< 10	1.33	340
340053	205	226	40	1.6	0.69	26	70	< 0.5	2	0.01	< 0.5	25	193	32	6.00	< 10	< 1	0.20	< 10	0.25	90
340054	205	226	10	< 0.2	0.56	22	10	< 0.5	< 2	0.02	< 0.5	62	96	19	7.87	< 10	< 1	0.05	< 10	0.25	120
340057	205	226	40	< 0.2	4.44	22	140	< 0.5	< 2	0.01	< 0.5	11	84	108	6.54	< 10	< 1	0.09	< 10	3.71	1285
340060	205	226	10	< 0.2	0.56	10	240	< 0.5	< 2	0.81	42.0	1	57	277	0.56	< 10	< 1	0.32	10	0.10	315
340062	205	226	385	1.4	0.55	34	420	< 0.5	< 2	0.07	< 0.5	3	68	90	0.95	< 10	< 1	0.30	10	0.05	185
340065	205	226	110	0.4	0.60	14	310	< 0.5	< 2	0.17	2.0	2	55	16	0.49	< 10	< 1	0.34	10	0.07	245
340066	205	226	945	24.4	0.57	74	< 10	< 0.5	4	0.05	117.5	4	102	1375	5.83	< 10	14	0.28	< 10	0.04	15
340068	205	226	< 5	< 0.2	1.11	2	120	< 0.5	< 2	0.43	< 0.5	3	67	6	0.80	< 10	< 1	0.24	< 10	0.57	205

CERTIFICATION: Ivan Bruckler

Chemex Labs Ltd.

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To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number :1-B
Total Pages :1
Certificate Date: 16-JUL-98
Invoice No. :I9824016
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9824016

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
340051	205	226	4	< 0.01	1	280	36	2	< 1	2	< 0.01	< 10	< 10	5	< 10	70
340052	205	226	4	0.02	1	270	16	< 2	1	4	< 0.01	< 10	< 10	8	< 10	86
340053	205	226	14	< 0.01	2	160	48	< 2	< 1	3	< 0.01	< 10	< 10	8	< 10	24
340054	205	226	6	< 0.01	3	90	12	< 2	< 1	1	0.01	< 10	< 10	8	< 10	28
340057	205	226	12	< 0.01	10	340	8	< 2	6	2	0.01	< 10	< 10	82	< 10	108
340060	205	226	< 1	0.02	1	230	88	< 2	< 1	25	< 0.01	< 10	< 10	1	< 10	8470
340062	205	226	< 1	0.05	1	350	212	< 2	< 1	7	< 0.01	< 10	< 10	3	< 10	310
340065	205	226	1	0.04	1	260	60	< 2	< 1	8	< 0.01	< 10	< 10	2	< 10	1060
340066	205	226	53	< 0.01	6	150	8870	50	< 1	4	< 0.01	< 10	< 10	3	< 10	>10000
340068	205	226	< 1	0.02	3	170	30	< 2	< 1	26	< 0.01	< 10	< 10	3	< 10	56

CERTIFICATION: Stewart Buchholz

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD. ##

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number 1-A
Total Pages 2
Certificate Date 09-NOV-98
Invoice No. I-9835032
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9835032

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N340001	205	226	< 5	-----	< 0.2	3.12	2	< 10	< 0.5	< 2	1.99	< 0.5	25	46	530	6.56	< 10	< 1	< 0.01	< 10	3.00
N340002	205	226	< 5	-----	< 0.2	1.78	2	40	< 0.5	< 2	1.71	< 0.5	17	28	36	5.75	< 10	< 1	0.06	< 10	1.70
N340003	205	226	< 5	-----	< 0.2	2.44	< 2	40	< 0.5	< 2	2.86	< 0.5	23	56	46	7.76	< 10	< 1	0.05	< 10	1.88
N340004	205	226	< 5	-----	< 0.2	1.82	2	60	< 0.5	< 2	1.60	< 0.5	19	61	22	6.07	< 10	< 1	0.13	< 10	1.55
N340005	205	226	< 5	-----	< 0.2	2.83	4	< 10	< 0.5	< 2	2.45	< 0.5	33	62	70	7.05	< 10	< 1	0.01	< 10	2.30
N340006	205	226	< 5	-----	< 0.2	0.55	26	90	< 0.5	< 2	1.58	< 0.5	5	37	13	1.96	< 10	< 1	0.24	< 10	0.20
N340007	205	226	5	-----	0.2	1.41	1425	130	< 0.5	< 2	3.19	< 0.5	8	39	25	3.00	< 10	< 1	0.21	< 10	0.85
N340008	205	226	< 5	-----	< 0.2	3.29	6	110	< 0.5	< 2	5.60	< 0.5	22	19	237	6.19	< 10	< 1	0.13	< 10	1.54
N340011	205	226	55	-----	1.6	2.47	24	50	< 0.5	4	1.80	17.5	7	153	2060	6.07	< 10	< 1	0.13	< 10	2.77
N340012	205	226	35	-----	1.2	1.69	8	40	< 0.5	< 2	1.94	5.5	10	27	1070	5.02	< 10	< 1	0.19	< 10	1.79
N340013	205	226	25	-----	0.4	2.49	14	60	< 0.5	2	1.17	3.0	5	33	367	5.01	< 10	< 1	0.10	< 10	2.46
N340014	205	226	35	-----	1.0	0.85	26	50	< 0.5	2	0.95	3.0	5	34	724	7.92	< 10	< 1	0.13	< 10	0.63
N340015	205	226	15	-----	0.2	2.37	8	90	< 0.5	< 2	1.00	3.0	3	35	473	4.48	< 10	< 1	0.15	< 10	1.97
N340016	205	226	10	-----	< 0.2	2.71	6	110	< 0.5	< 2	1.21	0.5	3	32	438	3.62	< 10	< 1	0.13	10	2.25
N340017	205	226	35	-----	1.2	1.81	20	40	< 0.5	4	1.10	1.5	6	38	1505	6.33	< 10	< 1	0.13	< 10	1.55
N340018	205	226	15	-----	0.4	1.55	4	90	< 0.5	< 2	1.49	3.5	2	49	1080	3.22	< 10	< 1	0.15	< 10	1.37
N340019	205	226	40	-----	1.2	1.46	10	90	< 0.5	< 2	1.00	1.0	< 1	53	3630	3.73	< 10	< 1	0.14	< 10	1.28
N340020	205	226	20	-----	0.4	1.35	12	70	< 0.5	2	0.56	1.0	1	56	396	4.75	< 10	< 1	0.19	< 10	1.11
N340021	205	226	30	-----	0.4	2.05	24	20	< 0.5	2	1.08	6.0	5	31	555	7.44	< 10	< 1	0.15	< 10	1.76
N340022	205	226	35	-----	0.2	1.21	54	10	< 0.5	6	0.31	< 0.5	22	35	282	9.28	< 10	< 1	0.19	< 10	0.94
N340023	205	226	15	-----	0.2	2.59	68	40	< 0.5	2	0.27	< 0.5	21	26	512	11.00	< 10	< 1	0.16	< 10	2.15
N340024	205	226	45	-----	0.2	1.98	24	90	< 0.5	2	0.56	< 0.5	9	27	831	3.88	< 10	< 1	0.18	< 10	1.63
N340025	205	226	10	-----	< 0.2	4.27	8	110	< 0.5	2	0.61	< 0.5	36	47	1035	7.12	< 10	< 1	0.10	< 10	3.78
N340026	205	226	40	-----	0.6	3.81	16	30	< 0.5	2	0.55	< 0.5	24	22	389	8.33	< 10	< 1	0.06	< 10	3.62
N340027	205	226	< 5	-----	< 0.2	0.78	< 2	150	< 0.5	< 2	0.11	< 0.5	4	32	32	2.40	< 10	< 1	0.14	< 10	0.41
N340028	205	226	< 5	-----	< 0.2	2.08	2	40	< 0.5	< 2	2.70	< 0.5	27	44	82	6.02	< 10	< 1	0.04	< 10	2.19
N340029	205	226	< 5	-----	< 0.2	2.14	2	30	< 0.5	< 2	2.19	< 0.5	28	41	121	5.92	< 10	< 1	0.03	< 10	2.24
N340030	205	226	10	-----	0.2	0.96	50	100	< 0.5	< 2	1.61	< 0.5	6	30	18	2.27	< 10	< 1	0.15	< 10	0.70
N340031	205	226	45	-----	0.2	3.55	6	50	< 0.5	2	0.37	< 0.5	15	28	406	5.40	< 10	< 1	0.10	< 10	3.71
N340032	205	226	85	-----	0.4	1.02	10	100	< 0.5	< 2	0.50	< 0.5	6	30	116	2.92	< 10	< 1	0.20	< 10	0.95
N340033	205	226	20	-----	1.4	4.22	6	120	< 0.5	2	1.16	1.5	9	57	5280	5.70	< 10	< 1	0.07	< 10	4.11
N340034	205	226	30	-----	0.8	4.48	16	60	< 0.5	< 2	0.34	0.5	21	35	2780	8.11	< 10	< 1	0.16	< 10	4.24
N340035	205	226	< 5	-----	0.4	3.16	8	200	< 0.5	< 2	0.96	< 0.5	21	50	916	4.22	< 10	< 1	0.08	< 10	2.84
N340036	205	226	< 5	-----	< 0.2	1.42	< 2	20	< 0.5	< 2	0.58	< 0.5	16	121	17	5.15	< 10	< 1	0.09	< 10	1.50
N340037	205	226	< 5	-----	< 0.2	1.49	2	50	< 0.5	< 2	1.43	< 0.5	11	40	50	4.30	< 10	< 1	0.14	< 10	1.19
N340038	205	226	< 5	-----	< 0.2	1.11	< 2	50	< 0.5	< 2	3.07	< 0.5	14	35	33	3.27	< 10	< 1	0.06	< 10	1.06
N340069	205	226	< 5	-----	< 0.2	1.83	< 2	160	< 0.5	< 2	3.03	< 0.5	15	21	111	3.50	< 10	< 1	0.10	10	1.31
N340070	205	226	< 5	-----	< 0.2	0.84	< 2	120	< 0.5	< 2	1.59	< 0.5	5	38	5	2.46	< 10	2	0.15	< 10	0.57
N340071	205	226	< 5	-----	< 0.2	3.63	< 2	120	< 0.5	< 2	4.29	< 0.5	23	49	37	6.13	< 10	< 1	0.07	< 10	2.71
N340072	205	226	< 5	-----	< 0.2	2.33	< 2	30	< 0.5	< 2	2.75	< 0.5	25	40	78	6.50	< 10	< 1	0.09	< 10	2.01

Chemex Labs Ltd.

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To: NUCANOLAN RESOURCES LTD. ##

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number 1-B
Total Pages 2
Certificate Date 09-NOV-98
Invoice No. I-9835032
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9835032

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N340001	205 226	905	2	0.01	22	560	< 2	2	7	27	0.14	< 10	10	134	< 10	72
N340002	205 226	475	1	0.03	4	610	< 2	< 2	5	16	0.11	< 10	< 10	61	< 10	28
N340003	205 226	710	1	0.02	16	650	< 2	< 2	3	46	0.01	< 10	< 10	63	< 10	32
N340004	205 226	410	3	0.04	11	500	< 2	< 2	3	16	0.01	< 10	< 10	33	< 10	40
N340005	205 226	800	< 1	0.01	21	440	< 2	2	6	54	0.06	< 10	10	74	< 10	34
N340006	205 226	160	3	0.02	2	260	6	< 2	< 1	39	< 0.01	< 10	< 10	2	< 10	70
N340007	205 226	385	3	0.02	12	300	2	2	1	81	< 0.01	< 10	< 10	21	< 10	44
N340008	205 226	1055	1	0.01	20	850	< 2	2	7	81	0.14	< 10	10	128	< 10	90
N340011	205 226	2490	26	< 0.01	52	180	242	4	3	46	< 0.01	< 10	10	16	< 10	2980
N340012	205 226	2900	9	0.01	4	210	12	2	< 1	88	< 0.01	< 10	< 10	5	< 10	1120
N340013	205 226	1100	3	0.01	1	230	14	2	< 1	22	< 0.01	< 10	< 10	6	< 10	508
N340014	205 226	540	5	< 0.01	2	190	106	< 2	< 1	15	< 0.01	< 10	< 10	2	< 10	490
N340015	205 226	1025	3	0.01	1	460	2	< 2	< 1	25	< 0.01	< 10	< 10	4	< 10	544
N340016	205 226	1235	1	0.01	< 1	590	< 2	2	< 1	29	< 0.01	< 10	< 10	4	< 10	214
N340017	205 226	825	14	0.01	3	130	86	< 2	< 1	17	< 0.01	< 10	< 10	3	< 10	270
N340018	205 226	900	5	0.01	4	120	14	2	< 1	22	< 0.01	< 10	< 10	2	10	592
N340019	205 226	670	3	0.01	1	70	< 2	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	192
N340020	205 226	440	5	0.01	2	50	44	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	174
N340021	205 226	845	5	< 0.01	2	160	8	2	< 1	19	< 0.01	< 10	< 10	6	< 10	724
N340022	205 226	285	3	< 0.01	4	290	2	< 2	< 1	8	< 0.01	< 10	< 10	6	< 10	50
N340023	205 226	790	16	< 0.01	12	470	16	< 2	2	10	< 0.01	< 10	10	34	< 10	80
N340024	205 226	655	9	< 0.01	16	420	< 2	< 2	1	10	< 0.01	< 10	< 10	32	< 10	56
N340025	205 226	1240	4	< 0.01	16	330	< 2	2	5	11	0.10	< 10	10	87	< 10	66
N340026	205 226	1220	7	< 0.01	13	410	< 2	< 2	6	18	0.12	< 10	< 10	104	< 10	64
N340027	205 226	130	3	0.04	3	200	< 2	< 2	< 1	7	0.03	< 10	< 10	10	< 10	18
N340028	205 226	755	3	0.01	22	540	< 2	< 2	6	57	0.17	< 10	< 10	100	< 10	42
N340029	205 226	690	1	0.01	20	510	< 2	< 2	4	50	0.13	< 10	< 10	87	< 10	38
N340030	205 226	165	4	0.03	4	260	18	< 2	< 1	29	< 0.01	< 10	< 10	4	< 10	176
N340031	205 226	1195	10	< 0.01	17	760	< 2	2	2	4	0.05	< 10	< 10	47	< 10	122
N340032	205 226	365	9	< 0.01	4	250	10	< 2	< 1	4	0.04	< 10	< 10	6	< 10	44
N340033	205 226	2100	< 1	< 0.01	14	440	< 2	2	6	21	0.10	< 10	< 10	94	10	184
N340034	205 226	2260	1	< 0.01	19	420	< 2	2	7	9	0.13	< 10	10	99	< 10	212
N340035	205 226	1695	< 1	< 0.01	14	340	< 2	< 2	4	40	0.12	< 10	< 10	65	< 10	156
N340036	205 226	320	2	0.02	42	370	< 2	< 2	3	9	0.06	< 10	< 10	27	< 10	24
N340037	205 226	385	3	0.04	11	320	< 2	< 2	3	20	< 0.01	< 10	< 10	20	< 10	48
N340038	205 226	515	4	0.03	11	240	< 2	< 2	2	28	0.01	< 10	< 10	20	< 10	40
N340069	205 226	940	2	0.04	5	750	< 2	< 2	3	57	< 0.01	< 10	< 10	37	< 10	48
N340070	205 226	365	1	0.05	4	320	< 2	< 2	1	24	0.03	< 10	< 10	11	< 10	14
N340071	205 226	1195	1	0.03	19	510	< 2	< 2	10	97	< 0.01	< 10	< 10	115	< 10	42
N340072	205 226	910	4	0.04	14	520	< 2	2	8	41	< 0.01	< 10	< 10	88	< 10	52

Chemex Labs Ltd.

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L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number 2-A
Total Pages 2
Certificate Date 09-NOV-98
Invoice No. I-9835032
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9835032

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N340073	205	226	410	-----	2.2	0.54	44	50	< 0.5	< 2	1.26	6.5	7	36	121	3.06	< 10	< 1	0.31	< 10	0.10
N340074	205	226	20	-----	< 0.2	0.51	10	120	< 0.5	< 2	1.57	< 0.5	5	42	29	1.68	< 10	< 1	0.34	< 10	0.06
N340075	205	226	30	-----	0.4	0.32	34	50	< 0.5	< 2	1.80	< 0.5	3	30	12	3.22	< 10	< 1	0.21	< 10	0.03
N340076	205	226	115	-----	3.4	0.31	14	50	< 0.5	< 2	1.17	< 0.5	4	30	18	2.26	< 10	< 1	0.20	< 10	0.03
N340077	205	226	120	-----	12.6	0.40	42	30	< 0.5	2	1.96	0.5	7	59	202	2.97	< 10	< 1	0.27	< 10	0.05
N340078	205	226	1320	1.54	>100.0	0.25	1850	10	< 0.5	10	1.67	369	3	34	6310	6.92	< 10	18	0.16	< 10	0.02
N340079	205	226	1640	1.23	36.4	0.29	306	20	< 0.5	6	1.08	198.5	2	47	4760	6.74	< 10	7	0.19	< 10	0.03
N340080	205	226	1180	1.23	18.4	0.34	62	30	< 0.5	< 2	2.08	32.5	1	53	6420	9.24	< 10	3	0.22	< 10	0.04
N340081	205	226	665	-----	17.6	0.27	170	40	< 0.5	< 2	2.16	63.0	7	30	1520	3.69	< 10	4	0.19	< 10	0.03
N340082	205	226	370	-----	21.2	0.32	92	10	< 0.5	4	0.91	126.5	7	42	3970	6.12	< 10	10	0.18	< 10	0.07

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: NUCANOLAN RESOURCES LTD. ##

868 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Certificate Date 09-NOV-98
Invoice No. I-9835032
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9835032

SAMPLE DESCRIPTION	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N340073	205	226	125	8	< 0.01	31	340	318	2	< 1	32	< 0.01	< 10	< 10	3	10	1520
N340074	205	226	185	4	0.01	3	330	2	< 2	< 1	29	< 0.01	< 10	< 10	2	< 10	66
N340075	205	226	210	1	0.01	3	220	14	2	< 1	31	< 0.01	< 10	< 10	1	< 10	40
N340076	205	226	125	2	0.03	1	90	204	6	< 1	24	< 0.01	< 10	< 10	1	< 10	150
N340077	205	226	215	8	0.01	7	240	22	30	< 1	50	< 0.01	< 10	< 10	< 1	< 10	188
N340078	205	226	180	31	< 0.01	15	120	>10000	200	< 1	30	< 0.01	10	< 10	< 1	< 10	>10000
N340079	205	226	125	25	< 0.01	6	240	702	42	< 1	21	< 0.01	< 10	< 10	< 1	< 10	>10000
N340080	205	226	210	28	< 0.01	4	160	440	4	< 1	50	< 0.01	< 10	< 10	1	< 10	5270
N340081	205	226	250	9	< 0.01	11	260	1310	18	< 1	52	< 0.01	< 10	< 10	< 1	< 10	>10000
N340082	205	226	95	14	< 0.01	15	180	2530	28	< 1	29	< 0.01	< 10	< 10	1	< 10	>10000

Chemex Labs Ltd.

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To: NUCANOLAN RESOURCES LTD.

688 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Page Number 1-B
Total Pages 2
Certificate Date 09-N
Invoice No. I-983
P.O. Number
Account

Project :
Comments: ATTN: J.C ARCHIBALD FAX: J.A. RICHARD

CERTIFICATE OF ANALYSIS A9835032

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
98-07																
W340001	205 226	905	2	0.01	22	560	< 2	2	7	27	0.14	< 10	10	134	< 10	72
W340002	205 226	475	1	0.03	4	610	< 2	< 2	5	16	0.11	< 10	< 10	61	< 10	28
W340003	205 226	710	1	0.02	16	650	< 2	< 2	3	46	0.01	< 10	< 10	63	< 10	32
W340004	205 226	410	3	0.04	11	500	< 2	< 2	3	16	0.01	< 10	< 10	33	< 10	40
W340005	205 226	800	< 1	0.01	21	440	< 2	2	6	54	0.06	< 10	10	74	< 10	34
W340006	205 226	160	1	0.02	2	260	6	< 2	< 1	39	< 0.01	< 10	< 10	2	< 10	70
W340007	205 226	385	3	0.02	12	300	2	2	1	81	< 0.01	< 10	< 10	21	< 10	44
98-03 W340008	205 226	1055	1	0.01	20	850	< 2	2	7	81	0.14	< 10	10	126	< 10	90
W340011	205 226	2490	26	< 0.01	52	180	242	4	3	46	< 0.01	< 10	10	16	< 10	2980 *
W340012	205 226	2900	9	0.01	4	210	12	2	< 1	88	< 0.01	< 10	< 10	5	< 10	1120
W340013	205 226	1100	3	0.01	1	230	14	2	< 1	22	< 0.01	< 10	< 10	6	< 10	508
W340014	205 226	540	5	< 0.01	2	190	106	< 2	< 1	15	< 0.01	< 10	< 10	2	< 10	490
W340015	205 226	1025	3	0.01	1	460	2	< 2	< 1	25	< 0.01	< 10	< 10	4	< 10	544
W340016	205 226	1235	1	0.01	< 1	590	< 2	2	< 1	29	< 0.01	< 10	< 10	4	< 10	214
98-01 W340017	205 226	825	14	0.01	3	130	86	< 2	< 1	17	< 0.01	< 10	< 10	3	< 10	270
W340018	205 226	900	5	0.01	4	120	14	2	< 1	22	< 0.01	< 10	< 10	2	10	592
W340019	205 226	670	3	0.01	1	70	< 2	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	192
W340020	205 226	440	5	0.01	2	50	44	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	174
W340021	205 226	845	5	< 0.01	2	160	8	2	< 1	19	< 0.01	< 10	< 10	6	< 10	724
W340022	205 226	285	3	< 0.01	4	290	2	< 2	< 1	8	< 0.01	< 10	< 10	6	< 10	50
W340023	205 226	790	16	< 0.01	12	470	16	< 2	2	10	< 0.01	< 10	10	34	< 10	80
W340024	205 226	655	9	< 0.01	16	420	< 2	< 2	1	10	< 0.01	< 10	< 10	32	< 10	56
W340025	205 226	1240	4	< 0.01	16	330	< 2	2	5	11	0.10	< 10	10	87	< 10	66
W340026	205 226	1220	7	< 0.01	13	410	< 2	< 2	6	18	0.12	< 10	< 10	104	< 10	64
W340027	205 226	130	3	0.04	3	200	< 2	< 2	< 1	7	0.03	< 10	< 10	10	< 10	18
98-04																
W340028	205 226	755	3	0.01	22	540	< 2	< 2	6	57	0.13	< 10	< 10	100	< 10	42
W340029	205 226	690	1	0.01	20	510	< 2	< 2	4	50	0.13	< 10	< 10	87	< 10	38
W340030	205 226	165	4	0.03	4	260	18	< 2	< 1	29	< 0.01	< 10	< 10	4	< 10	176
W340031	205 226	1195	10	< 0.01	17	760	< 2	2	2	4	0.05	< 10	< 10	47	< 10	122
W340032	205 226	365	9	< 0.01	4	250	10	< 2	< 1	4	0.04	< 10	< 10	6	< 10	44
98-07																
W340033	205 226	2100	< 1	< 0.01	14	440	< 2	2	6	21	0.10	< 10	< 10	94	10	184
W340034	205 226	2260	1	< 0.01	19	420	< 2	2	7	9	0.13	< 10	10	99	< 10	212
W340035	205 226	1695	< 1	< 0.01	14	340	< 2	< 2	4	40	0.12	< 10	< 10	65	< 10	156
W340036	205 226	320	2	0.02	42	320	< 2	< 2	3	9	0.06	< 10	< 10	27	< 10	24
W340037	205 226	385	3	0.04	11	320	< 2	< 2	3	20	< 0.01	< 10	< 10	20	< 10	48
W340038	205 226	515	4	0.03	11	240	< 2	< 2	2	28	0.01	< 10	< 10	20	< 10	40
W340069	205 226	940	2	0.04	5	750	< 2	< 2	3	57	< 0.01	< 10	< 10	37	< 10	48
W340070	205 226	365	1	0.05	4	320	< 2	< 2	1	24	0.03	< 10	< 10	11	< 10	14
W340071	205 226	1195	1	0.03	19	510	< 2	< 2	10	97	< 0.01	< 10	< 10	115	< 10	42
98-05 W340072	205 226	910	4	0.04	14	520	< 2	2	8	41	< 0.01	< 10	< 10	88	< 10	52

CERTIFICATION:

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

688 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number 2-A
Total Pages 2
Certificate Date 09-NOV-98
Invoice No. I-9835032
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9835032

98-05

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N340073	205	226	410	-----	2.2	0.54	44	50	< 0.5	< 2	1.26	6.5	7	36	121	3.06	< 10	< 1	0.11	< 10	0.10
N340074	205	226	20	-----	< 0.2	0.51	10	120	< 0.5	< 2	1.57	< 0.5	5	42	23	1.68	< 10	< 1	0.14	< 10	0.06
N340075	205	226	30	-----	0.4	0.32	34	50	< 0.5	< 2	3.80	< 0.5	3	30	12	3.22	< 10	< 1	0.21	< 10	0.03
N340076	205	226	115	-----	3.4	0.31	14	50	< 0.5	< 2	1.17	< 0.5	4	38	18	2.26	< 10	< 1	0.20	< 10	0.03
N340077	205	226	120	-----	12.6	0.40	42	30	< 0.5	2	1.96	0.5	7	59	202	2.97	< 10	< 1	0.27	< 10	0.05
N340078	205	226	1320	1.54	>100.0	0.25	1850	30	< 0.5	10	1.67	369	3	34	6310	6.92	< 10	18	0.16	< 10	0.02
N340079	205	226	1640	1.23	36.4	0.29	306	20	< 0.5	6	1.08	198.5	2	47	4760	6.74	< 10	7	0.19	< 10	0.03
N340080	205	226	1180	1.23	38.4	0.34	62	30	< 0.5	< 2	2.08	32.5	1	53	6420	9.29	< 10	3	0.22	< 10	0.04
N340081	205	226	665	-----	17.6	0.27	170	40	< 0.5	< 2	2.16	63.0	7	30	1520	3.69	< 10	4	0.19	< 10	0.03
N340082	205	226	370	-----	21.2	0.32	92	10	< 0.5	4	0.91	126.5	7	42	3970	6.12	< 10	10	0.18	< 10	0.07

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: NUCANOLAN RESOURCES LTD.

888 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Numb
Total Pages
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P.O. Numbe
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CERTIFICATE OF ANALYSIS A9835032

SAMPLE DESCRIPTION	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
A340073	205	226	125	8	< 0.01	31	340	318	2	< 1	32	< 0.01	< 10	< 10	3	10	1520
A340074	205	226	185	4	0.01	3	330	2	< 2	< 1	29	< 0.01	< 10	< 10	2	< 10	66
A340075	205	226	210	1	0.01	3	220	14	2	< 1	31	< 0.01	< 10	< 10	1	< 10	40
A340076	205	226	125	2	0.03	1	90	204	6	< 1	24	< 0.01	< 10	< 10	1	< 10	150
A340077	205	226	215	8	0.01	7	240	22	30	< 1	50	< 0.01	< 10	< 10	< 1	< 10	188
A340078	205	226	180	33	< 0.01	15	120	>10000 *	200	< 1	30	< 0.01	10	< 10	< 1	< 10	>10000
A340079	205	226	125	25	< 0.01	6	240	702	42	< 1	21	< 0.01	< 10	< 10	< 1	< 10	>10000
A340080	205	226	210	28	< 0.01	4	160	440	4	< 1	50	< 0.01	< 10	< 10	1	< 10	5270
A340081	205	226	250	9	< 0.01	11	260	1310	18	< 1	52	< 0.01	< 10	< 10	< 1	< 10	>10000
A340082	205	226	95	14	< 0.01	15	180	2530	28	< 1	29	< 0.01	< 10	< 10	1	< 10	>10000

** FOR ASSAY

CERTIFICATION:

98-05

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Nu
Total Pa
Certifica
Invoice
P.O. Nu
Account

CERTIFICATE OF ANALYSIS A9837223

* PLEASE NOTE
* INTERFERENCE: Cu on Bi and P

SAMPLE DESCRIPTION	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
340039	205	226	2450	10	< 0.01	20	370	< 2	< 2	6	5	0.04	< 10	< 10	94	< 10	230
340040	205	226	1820	19	< 0.01	19	330	< 2	< 2	5	6	0.04	< 10	< 10	67	< 10	176
340041	205	226	170	3	0.03	4	240	2	< 2	< 1	43	< 0.01	< 10	< 10	1	< 10	6
340042	205	226	415	6	< 0.01	6	790	2	< 2	< 1	56	< 0.01	< 10	< 10	1	< 10	50
340045	205	226	370	31	0.01	3	Intf*	>10000	598	< 1	66	< 0.01	< 10	10	< 1	< 10	>10000
340046	205	226	125	52	< 0.01	< 1	Intf*	582	50	< 1	29	< 0.01	< 10	< 10	< 1	< 10	>10000
340047	205	226	140	55	0.01	3	Intf*	196	12	< 1	23	< 0.01	< 10	< 10	< 1	< 10	>10000
340048	205	226	225	< 1	0.03	5	Intf*	32	40	1	66	< 0.01	< 10	10	1	< 10	1095
340049	205	226	155	2	0.01	18	Intf*	< 2	858	< 1	19	< 0.01	< 10	< 10	< 1	< 10	>10000

CERTIFICATION:

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number 1-A
Total Pages 1
Certificate Date 04-DEC
Invoice No. I-983722
P.O. Number :
Account :

* PLEASE NOTE
* INTERFERENCE: Cu on Bi and P

CERTIFICATE OF ANALYSIS A9837223

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
340039	205	226	50	-----	0.6	4.79	20	30	< 0.5	< 2	0.35	< 0.5	25	72	401	7.75	< 10	< 1	0.04	< 10	5.07
340040	205	226	140	-----	1.8	3.54	24	20	< 0.5	2	0.64	1.5	29	59	3440	10.60	< 10	< 1	0.04	< 10	3.69
340041	205	226	10	-----	< 0.2	0.27	6	40	< 0.5	< 2	1.46	< 0.5	8	35	15	2.50	< 10	< 1	0.16	< 10	0.07
340042	205	226	35	-----	0.2	0.35	78	40	< 0.5	< 2	2.70	< 0.5	12	72	28	3.94	< 10	< 1	0.25	< 10	0.12
340045	205	226	8710	8.09	>100.0	0.16	486	50	< 0.5	Intf*	5.57	>500	7	20	>10000	5.33	10	27	0.05	< 10	0.15
340046	205	226	815	-----	53.8	0.29	80	70	< 0.5	Intf*	0.96	452	9	39	>10000	8.42	< 10	19	0.15	< 10	0.13
340047	205	226	2510	1.92	39.2	0.38	112	10	< 0.5	Intf*	1.00	430	15	35	>10000	10.30	< 10	10	0.18	< 10	0.20
340048	205	226	690	-----	22.2	0.39	18	100	< 0.5	Intf*	2.11	7.0	6	34	>10000	2.73	< 10	< 1	0.20	< 10	0.41
340049	205	226	1505	2.19	>100.0	0.10	310	40	< 0.5	Intf*	0.75	60.0	37	107	>10000	7.19	< 10	10	0.06	< 10	0.20

CERTIFICATION

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number :1
Total Pages :1
Certificate Date: 30-DEC-199
Invoice No. :I9839102
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9839102

SAMPLE	PREP CODE	Cu %
N340088	212 --	0.64
N340089	212 --	0.32
N340090	212 --	0.45
N340097	212 --	0.84
N340098	212 --	0.35
N340099	212 --	0.51
N340100	212 --	0.42
N340101	212 --	0.33
N340102	212 --	1.59
N340103	212 --	1.10
N340104	212 --	0.68
N340105	212 --	0.84
N340106	212 --	0.43
N340107	212 --	1.01
N340111	212 --	0.68

CERTIFICATION: David Lehnert

OVERLIMITS from A9838609

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Page Number : 1-A
Total Pages : 1
Certificate Date: 24-DEC-1998
Invoice No. : I9838609
P.O. Number :
Account : QHG

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9838609

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N340044	205 226	10	< 0.2	0.36	16	40	< 0.5	< 2	0.72	< 0.5	8	32	37	3.27	< 10	< 1	0.25	< 10	0.03	75
N340050	205 226	145	0.8	0.32	66	20	< 0.5	< 2	0.90	1.0	17	29	68	6.03	< 10	< 1	0.14	< 10	0.27	100
N340083	205 226	15	< 0.2	1.85	6	70	< 0.5	< 2	0.23	< 0.5	8	44	295	3.13	< 10	< 1	0.12	< 10	1.95	645
N340084	205 226	20	< 0.2	2.01	14	40	< 0.5	2	0.80	< 0.5	12	43	14	5.07	< 10	< 1	0.06	< 10	2.21	760
N340085	205 226	55	0.6	0.67	8	70	< 0.5	< 2	0.42	0.5	4	32	800	3.00	< 10	< 1	0.15	< 10	0.59	335
N340086	205 226	35	0.4	1.31	14	60	< 0.5	< 2	0.63	1.0	6	50	35	4.02	< 10	< 1	0.17	< 10	1.29	715
N340087	205 226	95	0.4	2.05	24	20	< 0.5	< 2	0.61	< 0.5	13	54	46	5.86	< 10	< 1	0.19	< 10	2.04	970
N340088	205 226	300	3.4	4.15	26	110	< 0.5	< 2	9.46	7.0	56	83	6640	7.65	10	< 1	0.05	< 10	2.92	1590
N340089	205 226	60	1.6	5.23	20	40	< 0.5	< 2	0.38	2.5	30	136	3450	10.30	10	< 1	0.06	< 10	4.96	2330
N340090	205 226	65	1.8	4.29	14	50	< 0.5	< 2	2.33	3.0	25	111	4470	6.02	10	< 1	0.07	< 10	3.75	1690
N340091	205 226	40	0.6	3.71	18	90	< 0.5	< 2	1.38	0.5	30	88	849	6.24	< 10	< 1	0.15	< 10	3.17	795
N340092	205 226	< 5	< 0.2	2.14	4	110	< 0.5	< 2	3.30	< 0.5	37	53	284	5.94	< 10	< 1	0.15	< 10	1.05	570
N340093	205 226	50	0.4	3.25	14	10	< 0.5	< 2	0.93	< 0.5	26	25	132	10.55	< 10	< 1	0.10	< 10	2.77	975
N340094	205 226	20	0.8	3.37	8	110	< 0.5	< 2	2.42	0.5	17	63	2690	5.47	< 10	< 1	0.15	< 10	2.49	1030
N340095	205 226	70	1.2	0.67	2	130	< 0.5	< 2	1.32	1.0	17	159	2480	1.78	< 10	< 1	0.04	< 10	0.53	285
N340096	205 226	45	1.0	2.58	672	100	< 0.5	< 2	2.02	1.5	47	25	2690	7.98	< 10	< 1	0.11	< 10	1.26	470
N340097	205 226	110	2.4	1.87	2620	70	< 0.5	< 2	3.34	2.0	42	58	7870	6.71	< 10	< 1	0.15	< 10	0.79	425
N340098	205 226	10	0.8	2.79	134	130	< 0.5	< 2	2.97	1.0	66	45	3370	6.90	< 10	< 1	0.12	< 10	1.11	515
N340099	205 226	30	1.2	2.61	56	70	< 0.5	< 2	1.38	2.5	108	65	4930	8.56	< 10	< 1	0.07	< 10	1.11	520
N340100	205 226	15	0.6	2.06	3470	60	< 0.5	< 2	2.00	< 0.5	20	34	3890	7.11	< 10	< 1	0.12	< 10	0.87	495
N340101	205 226	20	0.8	3.94	20	60	< 0.5	< 2	1.27	1.0	36	110	3590	8.15	10	< 1	0.11	< 10	3.02	1255
N340102	205 226	125	5.6	2.74	1970	< 10	< 0.5	Intf*	0.43	1.5	73	40	>10000	>15.00	10	< 1	0.07	< 10	1.09	805
N340103	205 226	35	2.6	2.82	7890	20	< 0.5	Intf*	1.75	0.5	40	40	>10000	14.70	10	< 1	0.13	< 10	0.98	840
N340104	205 226	80	2.0	3.06	>10000	10	< 0.5	< 2	1.54	1.0	172	46	6940	>15.00	10	1	0.10	< 10	0.92	825
N340105	205 226	70	2.4	1.89	>10000	< 10	< 0.5	8	1.50	1.5	86	45	8210	>15.00	10	< 1	0.07	< 10	0.59	535
N340106	205 226	55	1.0	2.26	7390	20	< 0.5	< 2	1.47	1.0	54	46	4230	10.35	< 10	< 1	0.12	< 10	1.15	700
N340107	205 226	285	6.0	2.54	74	< 10	< 0.5	< 2	0.34	5.0	33	58	9770	>15.00	< 10	< 1	0.10	< 10	1.99	1070
N340108	205 226	50	1.8	2.87	60	50	< 0.5	< 2	3.05	4.0	26	58	2960	9.05	10	< 1	0.08	< 10	1.62	910
N340109	205 226	35	0.8	4.96	38	40	< 0.5	< 2	0.76	0.5	39	44	1760	10.80	10	< 1	0.10	< 10	3.88	1515
N340110	205 226	10	< 0.2	4.46	18	90	< 0.5	< 2	0.53	< 0.5	25	39	346	7.32	10	< 1	0.13	< 10	3.74	1405
N340111	205 226	70	2.0	1.39	54	< 10	< 0.5	50	1.74	2.5	107	63	6860	14.85	< 10	< 1	0.13	< 10	0.75	575

* INTERFERENCE: HIGH Cu on Bi and P

CERTIFICATION: M Lbg

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

Certificate Date: 24-DEC-1998
Invoice No. :I9838609
P.O. Number :
Account :QHG

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9838609

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N340044	205	226	19	0.01	20	360	6	< 2	< 1	27	< 0.01	< 10	< 10	1	< 10	18
N340050	205	226	23	0.01	14	340	124	4	< 1	39	< 0.01	< 10	< 10	1	< 10	152
N340083	205	226	20	< 0.01	12	310	< 2	2	1	3	0.04	< 10	< 10	29	< 10	60
N340084	205	226	13	< 0.01	2	40	< 2	< 2	< 1	9	< 0.01	< 10	< 10	8	< 10	44
N340085	205	226	6	< 0.01	4	170	< 2	< 2	< 1	5	< 0.01	< 10	< 10	3	< 10	44
N340086	205	226	7	< 0.01	3	120	30	2	< 1	8	< 0.01	< 10	< 10	5	< 10	192
N340087	205	226	16	< 0.01	15	360	40	< 2	1	7	< 0.01	< 10	< 10	24	< 10	132
N340088	205	226	1	< 0.01	85	490	8	2	13	146	0.05	< 10	< 10	177	< 10	192
N340089	205	226	11	< 0.01	26	340	2	< 2	10	9	0.04	< 10	< 10	124	< 10	352
N340090	205	226	1	0.01	30	340	< 2	6	10	44	0.01	< 10	< 10	108	< 10	236
N340091	205	226	5	< 0.01	25	360	2	< 2	5	27	0.03	< 10	< 10	62	< 10	86
N340092	205	226	2	0.01	19	370	< 2	2	4	44	0.07	< 10	< 10	43	< 10	40
N340093	205	226	7	< 0.01	5	570	6	< 2	3	18	< 0.01	< 10	< 10	46	< 10	112
N340094	205	226	3	0.01	15	280	< 2	< 2	5	45	< 0.01	< 10	< 10	45	< 10	114
N340095	205	226	3	0.01	4	80	< 2	2	< 1	20	< 0.01	< 10	< 10	4	< 10	46
N340096	205	226	3	0.04	8	780	< 2	2	7	30	0.01	< 10	< 10	81	< 10	170
N340097	205	226	6	0.01	7	510	< 2	< 2	3	67	< 0.01	< 10	< 10	38	< 10	260
N340098	205	226	8	0.02	19	230	< 2	< 2	5	98	0.03	< 10	< 10	44	< 10	54
N340099	205	226	33	0.01	9	220	< 2	< 2	5	35	< 0.01	< 10	< 10	45	< 10	90
N340100	205	226	23	0.01	7	260	< 2	< 2	3	66	< 0.01	< 10	< 10	28	< 10	50
N340101	205	226	16	< 0.01	19	310	< 2	< 2	6	17	0.06	< 10	< 10	87	< 10	74
N340102	205	226	47	< 0.01	25	Intf*	< 2	< 2	5	21	0.06	< 10	< 10	57	< 10	236
N340103	205	226	57	0.01	21	Intf*	< 2	10	4	20	0.03	< 10	< 10	40	< 10	102
N340104	205	226	51	< 0.01	21	290	< 2	12	7	29	0.04	< 10	< 10	61	< 10	120
N340105	205	226	50	< 0.01	24	90	< 2	12	3	15	0.01	< 10	< 10	27	< 10	116
N340106	205	226	33	0.01	18	270	< 2	8	4	20	0.03	< 10	< 10	52	< 10	96
N340107	205	226	24	< 0.01	11	240	12	4	3	4	0.03	< 10	< 10	47	< 10	230
N340108	205	226	10	< 0.01	11	250	< 2	2	5	40	< 0.01	< 10	< 10	54	< 10	168
N340109	205	226	15	< 0.01	13	360	< 2	< 2	8	15	0.05	< 10	< 10	112	< 10	116
N340110	205	226	7	< 0.01	12	420	< 2	< 2	8	16	0.07	< 10	< 10	100	< 10	96
N340111	205	226	57	< 0.01	11	150	4	8	3	15	0.03	< 10	< 10	29	< 10	102

CERTIFICATION: M. Le Bas

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

INVOICE NUMBER I9838609

BILLING INFORMATION

Date: 24-DEC-98
Project: LARA
P.O. No.:
Account: QHG

Comments: LTJ495XNR.98Q

Billing: For analysis performed on
Certificate A9838609

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
31	205 - Geochem ring to approx 150 mesh	2.50		
	EX-1 Package	16.75		
	0-3 Kg crush and split	2.60	21.85	677.35

Total Cost	$	677.35
Client Discount (15%)	$	-101.60
Net Cost	$	575.75
(Reg# R100938885) GST	$	40.30
TOTAL PAYABLE (CDN)	$	616.05

OK
JCG

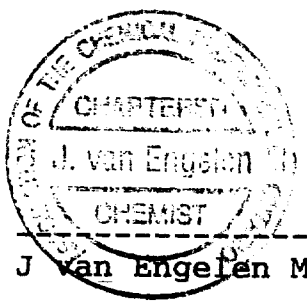
CHAUNCEY ASSAY LABORATORIES LTD.
33 Chauncey Avenue, Toronto, Ontario, M8Z 2Z2
Tel: (416) 239-3527 FAX: (416) 239-4012

CERTIFICATE OF ANALYSIS

RECEIVED FROM: SONIC SOIL SAMPLING INC. DATE: NOVEMBER 30, 1998
REPORT NO. AR-243 SAMPLE OF: SOLUTION
DATE RECEIVED: NOVEMBER 23, 1998 ATTENTION: JOHN ARCHIBALD

RESULTS IN MG/L

SAMPLE:	WATER B-16
Ag	<.1
Al	<.01
As	1.0
Ba	<.01
Be	<.01
Bi	<.01
Ca	730
Cd	<.01
Co	.03
Cr	<.01
Cu	<.01
Fe	<.01
K	88
La	<.01
Mg	557
Mn	<.01
Mo	<.01
Na	18
Nb	<.01
Ni	<.01
P	8.8
Pb	<.01
S	830
Sn	1.8
Sr	5.3
Te	<.01
Th	<.01
Ti	<.01
U	<.01
V	<.01
W	<.01
Y	<.01
Zn	<.01
Zr	<.01
Au	218 PPB



J Van Engelen Mgr.

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: NUCANOLAN RESOURCES LTD. ~*

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Certificate Date: 04-DEC-1998
Invoice No. :I9837223
P.O. Number :
Account :QHG

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9837223

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
340039	205 226	2450	10	< 0.01	20	370	< 2	< 2	6	5	0.04	< 10	< 10	94	< 10	230
340040	205 226	1820	19	< 0.01	19	330	< 2	< 2	5	6	0.04	< 10	< 10	67	< 10	176
340041	205 226	170	3	0.03	4	240	2	< 2	< 1	43	< 0.01	< 10	< 10	1	< 10	6
340042	205 226	415	6	< 0.01	6	790	2	< 2	< 1	56	< 0.01	< 10	< 10	1	< 10	50
340045	205 226	370	31	0.01	3	Intf*	>10000	598	< 1	66	< 0.01	< 10	10	< 1	< 10	>10000
340046	205 226	125	52	< 0.01	< 1	Intf*	582	50	< 1	29	< 0.01	< 10	< 10	< 1	< 10	>10000
340047	205 226	140	55	0.01	3	Intf*	196	12	< 1	23	< 0.01	< 10	< 10	< 1	< 10	>10000
340048	205 226	225	< 1	0.03	5	Intf*	32	40	1	66	< 0.01	< 10	10	1	< 10	1095
340049	205 226	155	2	0.01	18	Intf*	< 2	858	< 1	19	< 0.01	< 10	< 10	< 1	< 10	>10000

CERTIFICATION: Hawthfichler

* INTERFERENCE: Cu on Bi and P

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Certificate Date: 04-DEC-1998
Invoice No. :I9837223
P.O. Number :
Account :QHG

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9837223

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
340039	205	226	50	-----	0.6	4.79	20	30	< 0.5	< 2	0.35	< 0.5	25	72	401	7.75	< 10	< 1	0.04	< 10	5.07
340040	205	226	140	-----	1.8	3.54	24	20	< 0.5	2	0.64	1.5	29	59	3440	10.60	< 10	< 1	0.04	< 10	3.63
340041	205	226	10	-----	< 0.2	0.27	6	40	< 0.5	< 2	1.46	< 0.5	8	35	15	2.50	< 10	< 1	0.16	< 10	0.07
340042	205	226	35	-----	0.2	0.35	78	40	< 0.5	< 2	2.70	< 0.5	12	72	28	3.94	< 10	< 1	0.25	< 10	0.12
340045	205	226	8710	8.09	>100.0	0.16	486	50	< 0.5	Intf*	5.57	>500	7	20	>10000	5.33	10	27	0.05	< 10	0.15
340046	205	226	815	-----	53.8	0.29	80	70	< 0.5	Intf*	0.96	452	9	39	>10000	8.42	< 10	19	0.15	< 10	0.13
340047	205	226	2510	1.92	39.2	0.38	112	10	< 0.5	Intf*	1.00	430	15	35	>10000	10.30	< 10	10	0.18	< 10	0.20
340048	205	226	690	-----	22.2	0.39	18	100	< 0.5	Intf*	2.11	7.0	6	34	>10000	2.73	< 10	< 1	0.20	< 10	0.43
340049	205	226	1505	2.19	>100.0	0.10	310	40	< 0.5	Intf*	0.75	60.0	37	107	>10000	7.19	< 10	10	0.06	< 10	0.20

CERTIFICATION:

* INTERFERENCE: Cu on Bi and P

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: NUCANOLAN RESOURCES LTD. -*

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number :1
Total Pages :1
Certificate Date: 08-DEC-1998
Invoice No. :I9837819
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9837819

SAMPLE	PREP CODE	Ag FA g/t	Cu %	Pb %	Zn %
340040	212 --	-----	0.36	-----	-----
340045	212 --	225	1.42	5.38	32.3
340046	212 --	-----	4.09	-----	12.75
340047	212 --	-----	3.01	-----	10.35
340048	212 --	-----	1.80	-----	-----
340049	212 --	144	5.39	-----	1.13

CERTIFICATION:

OVERLIMITS from A9837223

Waiting for "rte"

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.
668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J. C. ARCHIBALD

Page Number 1-A
Total Pages 1
Certificate Date 05-OCT-
Invoice No. I-983239
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9832394

SAMPLE DESCRIPTION	PREP CODE	Ag ug/L	Al mg/L	As ug/L	Ba ug/L	Be ug/L	Bi ug/L	Ca mg/L	Cd ug/L	Co ug/L	Cr ug/L	Cu ug/L	Fe mg/L	Hg ug/L	K mg/L	Mg mg/L	Mn ug/L	Mo ug/L	Na mg/L	Ni ug/L
L98-W1	221 2393	< 0.05	0.007	< 1	51.9	< 0.5	< 0.05	35.8	< 0.1	< 0.02	1.0	1.0	0.19	< 1	0.80	3.40	40.8	1.1	5.15	2.0

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD.
668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J. C. ARCHIBALD

Page Number 1-B
Total Pages 1
Certificate Date 05-OCT-
Invoice No. I-983239
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9832394

SAMPLE DESCRIPTION	PREP CODE	P mg/L	Pb ug/L	Sb ug/L	Se ug/L	Sn ug/L	Sr ug/L	Ti ug/L	Tl ug/L	U ug/L	V ug/L	Zn ug/L
L98-W1	221 2393	< 0.1	< 2	1.05	< 1	< 0.5	189.5	1	< 0.05	0.30	< 1	19.5

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J. C. ARCHIBALD

Page Number :1-B
Total Pages :1
Certificate Date: 05-OCT-199
Invoice No. :19832394
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9832394

SAMPLE	PREP CODE	P mg/L	Pb ug/L	Sb ug/L	Se ug/L	Sn ug/L	Sr ug/L	Ti ug/L	Tl ug/L	U ug/L	V ug/L	Zn ug/L
L98-W1	221 2393	< 0.1	< 2	1.05	< 1	< 0.5	189.5	1	< 0.05	0.30	< 1	19.5

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: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project : LARA
Comments: ATTN: J. C. ARCHIBALD

Page Number : 1-A
Total Pages : 1
Certificate Date: 05-OCT-19
Invoice No. : I9832394
P.O. Number :
Account : QHG

CERTIFICATE OF ANALYSIS A9832394

SAMPLE	PREP CODE	Ag ug/L	Al mg/L	As ug/L	Ba ug/L	Be ug/L	Bi ug/L	Ca mg/L	Cd ug/L	Co ug/L	Cr ug/L	Cu ug/L	Fe mg/L	Hg ug/L	K mg/L	Mg mg/L	Mn ug/L	Mo ug/L	Na mg/L	Ni ug/L
L98-W1	221 2393	< 0.05	0.007	< 1	51.9	< 0.5	< 0.05	35.8	< 0.1	< 0.02	1.0	1.0	0.19	< 1	0.80	3.40	40.8	1.1	5.15	2.0

CERTIFICATION: Parker Thiel

Chemex Labs Ltd.

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

To: NUCANOLAN RESOURCES LTD. ##

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

INVOICE NUMBER I9835032

BILLING INFORMATION

Date: 9-NOV-98
Project:
P.O. No.:
Account: QHG

Comments: LTJ495XNR.98Q

Billing: For analysis performed on Certificate A9835032

Terms: Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
47	205 - Geochem ring to approx 150 mesh	2.50		
	EX-1 Package	16.75		
	0-3 Kg crush and split	2.60	21.85	1026.95
3	205 - Geochem ring to approx 150 mesh	2.50		
	EX-1 Package	16.75		
	0-3 Kg crush and split	2.60		
	997 - Au FA g/t	11.75	33.60	100.80

Total Cost $	1127.75
Client Discount (15%) $	-169.16
Net Cost $	958.59
(Reg# R100938885) GST $	67.10
TOTAL PAYABLE (CDN) $	**1025.69**

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: NUCANOLAN RESOURCES LTD. ##

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number :2-B
Total Pages :2
Certificate Date: 09-NOV-19
Invoice No. :I9835032
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9835032

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N340073	205	226	125	8	< 0.01	31	340	318	2	< 1	32	< 0.01	< 10	< 10	3	10	1520
N340074	205	226	185	4	0.01	3	330	2	< 2	< 1	29	< 0.01	< 10	< 10	2	< 10	66
N340075	205	226	210	1	0.01	3	220	14	2	< 1	31	< 0.01	< 10	< 10	1	< 10	40
N340076	205	226	125	2	0.03	1	90	204	6	< 1	24	< 0.01	< 10	< 10	1	< 10	150
N340077	205	226	215	8	0.01	7	240	22	30	< 1	50	< 0.01	< 10	< 10	< 1	< 10	188
N340078	205	226	180	31	< 0.01	15	120	>10000	200	< 1	30	< 0.01	10	< 10	< 1	< 10	>10000
N340079	205	226	125	25	< 0.01	6	240	702	42	< 1	21	< 0.01	< 10	< 10	< 1	< 10	>10000
N340080	205	226	210	28	< 0.01	4	160	440	4	< 1	50	< 0.01	< 10	< 10	1	< 10	5270
N340081	205	226	250	9	< 0.01	11	260	1310	18	< 1	52	< 0.01	< 10	< 10	< 1	< 10	>10000
N340082	205	226	95	14	< 0.01	15	180	2530	28	< 1	29	< 0.01	< 10	< 10	1	< 10	>10000

CERTIFICATION:

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To: NUCANOLAN RESOURCES LTD. ##

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number :2-A
Total Pages :2
Certificate Date: 09-NOV-19
Invoice No. :19835032
P.O. Number :
Account :QHG

CERTIFICATE OF ANALYSIS A9835032

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N340073	205	226	410	-----	2.2	0.54	44	50	< 0.5	< 2	1.26	6.5	7	36	121	3.06	< 10	< 1	0.31	< 10	0.10
N340074	205	226	20	-----	< 0.2	0.51	10	120	< 0.5	< 2	1.57	< 0.5	5	42	29	1.68	< 10	< 1	0.34	< 10	0.06
N340075	205	226	30	-----	0.4	0.32	34	50	< 0.5	< 2	1.80	< 0.5	3	30	12	3.22	< 10	< 1	0.21	< 10	0.03
N340076	205	226	115	-----	3.4	0.31	14	50	< 0.5	< 2	1.17	< 0.5	4	30	18	2.26	< 10	< 1	0.20	< 10	0.03
N340077	205	226	120	-----	12.6	0.40	42	30	< 0.5	2	1.96	0.5	7	59	202	2.97	< 10	< 1	0.27	< 10	0.05
N340078	205	226	1320	1.54	>100.0	0.25	1850	10	< 0.5	10	1.67	369	3	34	6310	6.92	< 10	18	0.16	< 10	0.02
N340079	205	226	1640	1.23	36.4	0.29	306	20	< 0.5	6	1.08	198.5	2	47	4760	6.74	< 10	7	0.19	< 10	0.03
N340080	205	226	1180	1.23	18.4	0.34	62	30	< 0.5	< 2	2.08	32.5	1	53	6420	9.24	< 10	3	0.22	< 10	0.04
N340081	205	226	665	-----	17.6	0.27	170	40	< 0.5	< 2	2.16	63.0	7	30	1520	3.69	< 10	4	0.19	< 10	0.03
N340082	205	226	370	-----	21.2	0.32	92	10	< 0.5	4	0.91	126.5	7	42	3970	6.12	< 10	10	0.18	< 10	0.07

CERTIFICATION: David Fuller

Chemex Labs Ltd.

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To: NUCANOLAN RESOURCES LTD. ##

668 MILLWAY AVE., UNIT 15
CONCORD, ON
L4K 3V2

Project :
Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

Page Number :1-B
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CERTIFICATE OF ANALYSIS A9835032

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N340001	205 226	905	2	0.01	22	560	< 2	2	7	27	0.14	< 10	10	134	< 10	72
N340002	205 226	475	1	0.03	4	610	< 2	< 2	5	16	0.11	< 10	< 10	61	< 10	28
N340003	205 226	710	1	0.02	16	650	< 2	< 2	3	46	0.01	< 10	< 10	63	< 10	32
N340004	205 226	410	3	0.04	11	500	< 2	< 2	3	16	0.01	< 10	< 10	33	< 10	40
N340005	205 226	800	< 1	0.01	21	440	< 2	2	6	54	0.06	< 10	10	74	< 10	34
N340006	205 226	160	3	0.02	2	260	6	< 2	< 1	39	< 0.01	< 10	< 10	2	< 10	70
N340007	205 226	385	3	0.02	12	300	2	2	1	81	< 0.01	< 10	< 10	21	< 10	44
N340008	205 226	1055	1	0.01	20	850	< 2	2	7	81	0.14	< 10	10	128	< 10	90
N340011	205 226	2490	26	< 0.01	52	180	242	4	3	46	< 0.01	< 10	10	16	< 10	2980
N340012	205 226	2900	9	0.01	4	210	12	2	< 1	88	< 0.01	< 10	< 10	5	< 10	1120
N340013	205 226	1100	3	0.01	1	230	14	2	< 1	22	< 0.01	< 10	< 10	6	< 10	508
N340014	205 226	540	5	< 0.01	2	190	106	< 2	< 1	15	< 0.01	< 10	< 10	2	< 10	490
N340015	205 226	1025	3	0.01	1	460	2	< 2	< 1	25	< 0.01	< 10	< 10	4	< 10	544
N340016	205 226	1235	1	0.01	< 1	590	< 2	2	< 1	29	< 0.01	< 10	< 10	4	< 10	214
N340017	205 226	825	14	0.01	3	130	86	< 2	< 1	17	< 0.01	< 10	< 10	3	< 10	270
N340018	205 226	900	5	0.01	4	120	14	2	< 1	22	< 0.01	< 10	< 10	2	10	592
N340019	205 226	670	3	0.01	1	70	< 2	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	192
N340020	205 226	440	5	0.01	2	50	44	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	174
N340021	205 226	845	5	< 0.01	2	160	8	2	< 1	19	< 0.01	< 10	< 10	6	< 10	724
N340022	205 226	285	3	< 0.01	4	290	2	< 2	< 1	8	< 0.01	< 10	< 10	6	< 10	50
N340023	205 226	790	16	< 0.01	12	470	16	< 2	2	10	< 0.01	< 10	10	34	< 10	80
N340024	205 226	655	9	< 0.01	16	420	< 2	< 2	1	10	< 0.01	< 10	< 10	32	< 10	56
N340025	205 226	1240	4	< 0.01	16	330	< 2	2	5	11	0.10	< 10	10	87	< 10	66
N340026	205 226	1220	7	< 0.01	13	410	< 2	< 2	6	18	0.12	< 10	< 10	104	< 10	64
N340027	205 226	130	3	0.04	3	200	< 2	< 2	< 1	7	0.03	< 10	< 10	10	< 10	18
N340028	205 226	755	3	0.01	22	540	< 2	< 2	6	57	0.17	< 10	< 10	100	< 10	42
N340029	205 226	690	1	0.01	20	510	< 2	< 2	4	50	0.13	< 10	< 10	87	< 10	38
N340030	205 226	165	4	0.03	4	260	18	< 2	< 1	29	< 0.01	< 10	< 10	4	< 10	176
N340031	205 226	1195	10	< 0.01	17	760	< 2	2	2	4	0.05	< 10	< 10	47	< 10	122
N340032	205 226	365	9	< 0.01	4	250	10	< 2	< 1	4	0.04	< 10	< 10	6	< 10	44
N340033	205 226	2100	< 1	< 0.01	14	440	< 2	2	6	21	0.10	< 10	< 10	94	10	184
N340034	205 226	2260	1	< 0.01	19	420	< 2	2	7	9	0.13	< 10	10	99	< 10	212
N340035	205 226	1695	< 1	< 0.01	14	340	< 2	< 2	4	40	0.12	< 10	< 10	65	< 10	156
N340036	205 226	320	2	0.02	42	370	< 2	< 2	3	9	0.06	< 10	< 10	27	< 10	24
N340037	205 226	385	3	0.04	11	320	< 2	< 2	3	20	< 0.01	< 10	< 10	20	< 10	48
N340038	205 226	515	4	0.03	11	240	< 2	< 2	2	28	0.01	< 10	< 10	20	< 10	40
N340069	205 226	940	2	0.04	5	750	< 2	< 2	3	57	< 0.01	< 10	< 10	37	< 10	48
N340070	205 226	365	1	0.05	4	320	< 2	< 2	1	24	0.03	< 10	< 10	11	< 10	14
N340071	205 226	1195	1	0.03	19	510	< 2	< 2	10	97	< 0.01	< 10	< 10	115	< 10	42
N340072	205 226	910	4	0.04	14	520	< 2	2	8	41	< 0.01	< 10	< 10	88	< 10	52

CERTIFICATION: Hawkfiddler

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SAMPLE	PREP CODE		Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N340001	205	226	< 5	-----	< 0.2	3.12	2	< 10	< 0.5	< 2	1.99	< 0.5	25	46	530	6.56	< 10	< 1	< 0.01	< 10	3.00
N340002	205	226	< 5	-----	< 0.2	1.78	2	40	< 0.5	< 2	1.71	< 0.5	17	28	36	5.75	< 10	< 1	0.06	< 10	1.70
N340003	205	226	< 5	-----	< 0.2	2.44	< 2	40	< 0.5	< 2	2.86	< 0.5	23	56	46	7.76	< 10	< 1	0.05	< 10	1.88
N340004	205	226	< 5	-----	< 0.2	1.82	2	60	< 0.5	< 2	1.60	< 0.5	19	61	22	6.07	< 10	< 1	0.13	< 10	1.55
N340005	205	226	< 5	-----	< 0.2	2.83	4	< 10	< 0.5	< 2	2.45	< 0.5	33	62	70	7.05	< 10	< 1	0.01	< 10	2.30
N340006	205	226	< 5	-----	< 0.2	0.55	26	90	< 0.5	< 2	1.58	< 0.5	5	37	13	1.96	< 10	< 1	0.24	< 10	0.20
N340007	205	226	5	-----	0.2	1.41	1425	130	< 0.5	< 2	3.19	< 0.5	8	39	25	3.00	< 10	< 1	0.21	< 10	0.85
N340008	205	226	< 5	-----	< 0.2	3.29	6	110	< 0.5	< 2	5.60	< 0.5	22	19	237	6.19	10	< 1	0.13	< 10	1.54
N340011	205	226	55	-----	1.6	2.47	24	50	< 0.5	4	1.80	17.5	7	153	2060	6.07	< 10	< 1	0.13	< 10	2.77
N340012	205	226	35	-----	1.2	1.69	8	40	< 0.5	< 2	1.94	5.5	10	27	1070	5.02	< 10	< 1	0.19	< 10	1.79
N340013	205	226	25	-----	0.4	2.49	14	60	< 0.5	2	1.17	3.0	5	33	367	5.01	< 10	< 1	0.10	< 10	2.46
N340014	205	226	35	-----	1.0	0.85	26	50	< 0.5	2	0.95	3.0	5	34	724	7.92	< 10	< 1	0.13	< 10	0.63
N340015	205	226	15	-----	0.2	2.37	8	90	< 0.5	< 2	1.00	3.0	3	35	473	4.48	< 10	< 1	0.15	< 10	1.97
N340016	205	226	10	-----	< 0.2	2.71	6	110	< 0.5	< 2	1.21	0.5	3	32	438	3.62	< 10	< 1	0.13	10	2.25
N340017	205	226	35	-----	1.2	1.81	20	40	< 0.5	4	1.10	1.5	6	38	1505	6.33	< 10	< 1	0.13	< 10	1.55
N340018	205	226	15	-----	0.4	1.55	4	90	< 0.5	< 2	1.49	3.5	2	49	1080	3.22	< 10	< 1	0.15	< 10	1.37
N340019	205	226	40	-----	1.2	1.46	10	90	< 0.5	< 2	1.00	1.0	< 1	53	3630	3.73	< 10	< 1	0.14	< 10	1.28
N340020	205	226	20	-----	0.4	1.35	12	70	< 0.5	2	0.56	1.0	1	56	396	4.75	< 10	< 1	0.19	< 10	1.11
N340021	205	226	30	-----	0.4	2.05	24	20	< 0.5	2	1.08	6.0	5	31	555	7.44	< 10	< 1	0.15	< 10	1.76
N340022	205	226	35	-----	0.2	1.21	54	10	< 0.5	6	0.31	< 0.5	22	35	282	9.28	< 10	< 1	0.19	< 10	0.94
N340023	205	226	15	-----	0.2	2.59	68	40	< 0.5	2	0.27	< 0.5	21	26	512	11.00	< 10	< 1	0.16	< 10	2.15
N340024	205	226	45	-----	0.2	1.98	24	90	< 0.5	2	0.56	< 0.5	9	27	831	3.88	< 10	< 1	0.18	< 10	1.63
N340025	205	226	10	-----	< 0.2	4.27	8	110	< 0.5	2	0.61	< 0.5	36	47	1035	7.12	< 10	< 1	0.10	< 10	3.78
N340026	205	226	40	-----	0.6	3.81	16	30	< 0.5	2	0.55	< 0.5	24	22	389	8.33	< 10	< 1	0.06	< 10	3.62
N340027	205	226	< 5	-----	< 0.2	0.78	< 2	150	< 0.5	< 2	0.11	< 0.5	4	32	32	2.40	< 10	< 1	0.14	< 10	0.41
N340028	205	226	< 5	-----	< 0.2	2.08	2	40	< 0.5	< 2	2.70	< 0.5	27	44	82	6.02	< 10	< 1	0.04	< 10	2.19
N340029	205	226	< 5	-----	< 0.2	2.14	2	30	< 0.5	< 2	2.19	< 0.5	28	41	121	5.92	< 10	< 1	0.03	< 10	2.24
N340030	205	226	10	-----	0.2	0.96	50	100	< 0.5	< 2	1.61	< 0.5	6	30	18	2.27	< 10	< 1	0.15	< 10	0.70
N340031	205	226	45	-----	0.2	3.55	6	50	< 0.5	2	0.37	< 0.5	15	28	406	5.40	< 10	< 1	0.10	< 10	3.71
N340032	205	226	85	-----	0.4	1.02	10	100	< 0.5	< 2	0.50	< 0.5	6	30	116	2.92	< 10	< 1	0.20	< 10	0.95
N340033	205	226	20	-----	1.4	4.22	6	120	< 0.5	2	1.16	1.5	9	57	5280	5.70	< 10	< 1	0.07	< 10	4.11
N340034	205	226	30	-----	0.8	4.48	16	60	< 0.5	< 2	0.34	0.5	21	35	2780	8.11	< 10	< 1	0.16	< 10	4.24
N340035	205	226	< 5	-----	0.4	3.16	8	200	< 0.5	< 2	0.96	< 0.5	21	50	916	4.22	< 10	< 1	0.08	< 10	2.84
N340036	205	226	< 5	-----	< 0.2	1.42	< 2	20	< 0.5	< 2	0.58	< 0.5	16	121	17	5.15	< 10	< 1	0.09	< 10	1.50
N340037	205	226	< 5	-----	< 0.2	1.49	2	50	< 0.5	< 2	1.43	< 0.5	11	40	50	4.30	< 10	< 1	0.14	< 10	1.19
N340038	205	226	< 5	-----	< 0.2	1.11	< 2	50	< 0.5	< 2	3.07	< 0.5	14	35	33	3.27	< 10	< 1	0.06	< 10	1.06
N340069	205	226	< 5	-----	< 0.2	1.83	< 2	160	< 0.5	< 2	3.03	< 0.5	15	21	111	3.50	< 10	< 1	0.10	10	1.31
N340070	205	226	< 5	-----	< 0.2	0.84	< 2	120	< 0.5	< 2	1.59	< 0.5	5	38	5	2.46	< 10	2	0.15	< 10	0.57
N340071	205	226	< 5	-----	< 0.2	3.63	< 2	120	< 0.5	< 2	4.29	< 0.5	23	49	37	6.13	< 10	< 1	0.07	< 10	2.71
N340072	205	226	< 5	-----	< 0.2	2.33	< 2	30	< 0.5	< 2	2.75	< 0.5	25	40	78	6.50	< 10	< 1	0.09	< 10	2.03

CERTIFICATION:

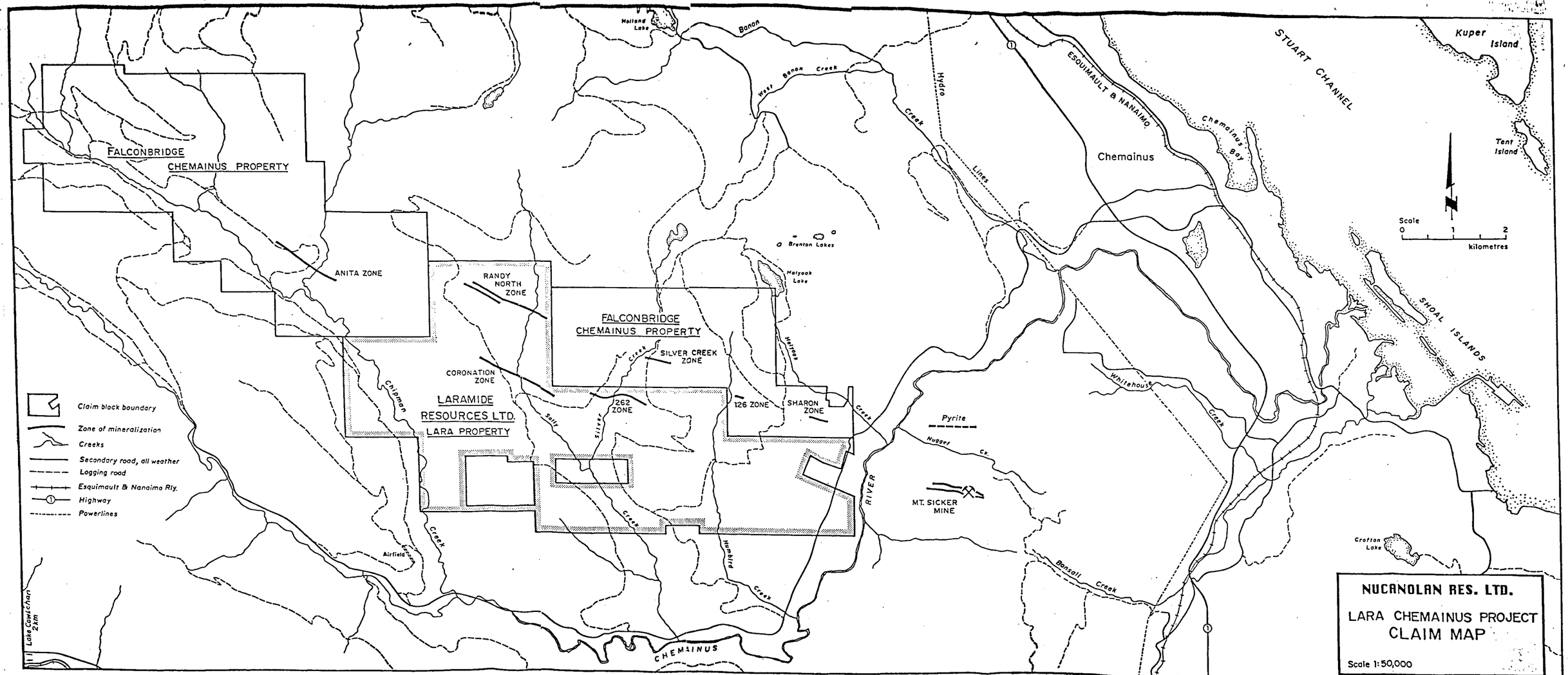
FALCONBRIDGE
CHEMAINUS PROPERTY
ANITA ZONE
RANDY NORTH ZONE
FALCONBRIDGE
CHEMAINUS PROPERTY
SILVER CREEK ZONE
CORONATION ZONE
LARAMIDE
RESOURCES LTD.
LARA PROPERTY
262 ZONE
126 ZONE
SHARON ZONE
Holland Lake
Banon
West Banon Creek
Hydro
Lines
Brenton Lakes
Holyoak Lake
Holyoak Creek
Chipman Creek
Salty Silver Creek
Humbird Creek
Airfield
Lake Cowichan 2km
CHEMAINUS
RIVER
Pyrite
Nugget Ck.
MT. SICKER MINE
Whitehouse Creek
Bonsall Creek
Crofton Lake
ESQUIMALT & NANAIMO
Chemainus
Chemainus Bay
STUART CHANNEL
Kuper Island
Tent Island
SHOAL ISLANDS
Scale
0 1 2
kilometres
Claim block boundary
Zone of mineralization
Creeks
Secondary road, all weather
Logging road
Esquimalt & Nanaimo Rly.
Highway
Powerlines
NUCANOLAN RES. LTD.
LARA CHEMAINUS PROJECT
CLAIM MAP
Scale 1:50,000

PLATE 1