

Summary Report

on the

Laramide Property Diamond Drill Program

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

GEOLOGICAL SURVEY BRANCI J.C. Archibald, B.Sc. Geol. Feb. 22, 1999.



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<u>Summary</u>

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 crossfaulting 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 downplunge 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.-

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



NUCANOLAN RESOURCES LTD. (NCRL- CDN.)



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:

<u>Claim Name</u>	Record No.	<u>Units</u>	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	l	Oct 26, 2001
Klondyke (Lot 68	BG) 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	l	Feb 8, 2001
Face	1402	12	Jan 23, 2001
Plant	1401	15	Jan 23, 2001
Cor 1-7 Fr.	1378-84	7	No



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.





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<u></u>	Table 1
	LARA PROJECT
	REGIONAL STRATIGRAPHY
Nanaimo	Group (Cretaceous)
	- conglomerate, sandstone, and fossil-bearing
	mudstone
	unconformity
Buttle L	ake 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 G	Froup (late Devonian)
	McLaughlin Ridge Formation (Myra Formation)
	 andesite flows and breccias, rhyolite, an
	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 postdeformational 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 silllike 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





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. 22.

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.

Canado Respectfully submitted,

John C. Archibald, Bsc. Geologist

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LARA AND CHEMAINUS	Nov, 1994		
· · · · · ·	93B.13W		
GOLD-BASEMETAL PROPERTIES	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 These are backed up by a comprehensive set of plans, mineralogy. 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.
					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.

August 26, 1988 -3. 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. The Lara Polymetallic Massive Sulphide 8. Dec. 3, 1987 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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- Proton Systems Ltd. (1987): Preliminary Study for the Lara Process Plant and Ancillary Surface Facilities.
- Orocon Incorporated (1987): Process Plant Capital and Operating Cost Estimate.
- Steffen, Robertson, & Kirsten (1987): Pre-feasibility Evaluation, Lara Project.













NUCANOLAN RESOURCES LTD - 1998 LARA PROJECT - DIAMOND DRILLING SUMMARY

Hole No. Location Azimuth Dip Ov. m Total Depth m

Rd. 34m north & 51m east of 89-262	180	-45	15.8	199.84	Target:	Intersection to confirm and extend 89-262 mineralization
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
Rd, 30m east 20 of 87-114)8 GdS	-45	49.92	117.65	Target:	Up-plunge extension of hole 85 mineral'n (see above)
Rd;96W & 20 103N, 40m cast of 87-157	08 GdS	-55	15.24	99.36	Target:	Up-plunge extension of hole 114 mineral'n, part of hole 85 zone
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)
Rd; adjacent to 85-47	205	-45	17	108.5	Target:	Westerly extension of MSSX zones as above hole -05
Rd; on L97W, 20 SE of hole 80, 81,82	08 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 Å
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 Zoi
Rd; 102+95W, 2 101+95N	8, GdN	-83	4.3	184.7	Target:	Continuity of auriferous MSSX on east down-plunge, down-dip on Coronation Zone
Rd; 102+40W, 2 103+70N	08, GdS	-70	2.15	382.82	Target:	Continuity of auriferous MSSX between DDH 87-182 & 184 (Coronation Zone down-plu
87-193 site; 101+95W, 103+32N	205	-82	1.22	346.25	Target	East lateral extension of auriferous MSSX, Coronation Zone down-plunge
87-184 site; 102+42W,	208	-84	1.7	449.88 2550 36 m	Target	Deep downdip extension of auriferous MSSX in Coronation Zone down-plunge (87-18-
	Rd. 34m north & 51m east of 89-262 Rd, 2m east of 87-152 Rd, 30m east 24 of 87-114 Rd;96W & 24 103N, 40m east of 87-157 Rd;30m east of holes 41,42 Rd; adjacent to 85-47 Rd; on L97W, 2 SE of hole 80, 81,82 Rd; 102+33W, 102+34N Rd; 102+95W, 2 101+95N Rd; 102+40W, 2 103+70N 87-193 site; 103+32N 87-184 site; 102+42W, 103+70N	Rd. 34m north 180 & 51m east of 89-262 Rd, 2m east 228 of 87-152 208 GdS Rd, 30m east 208 GdS of 87-114 208 GdS Rd,96W & 208 GdS 103N, 40m east of 87-157 Rd;30m east 195 of holes 41,42 205 to 85-47 208 GdS Rd; adjacent 205 to 85-47 208 GdS Rd; on L97W, 208 GdS SE of hole 80, 81,82 Rd; 102+33W, 213 213 102+34N 213 Rd; 102+95W, 28, GdN 101+95N Rd; 102+40W, 208, GdS 103+70N 87-193 site; 205 205 101+95W, 103+32N 87-184 site; 208 87-184 site; 208 102+42W, 103+70N	Rd. 34m north 180 -45 & 51m east of 89-262 Rd, 2m east 228 -70 of 87-152 208 GdS -45 Rd, 30m east 208 GdS -45 of 87-152 208 GdS -45 Rd, 30m east 208 GdS -55 103N, 40m east of 87-157 Rd;30m east 195 -50 of holes 41,42 205 -45 to 85-47 205 -45 Rd; adjacent 205 -45 to 85-47 208 GdS -60 SE of hole 80, 81,82 81,82 213 -82 102+34N 213 -82 Rd; 102+95W, 28, GdN 28 -45 -60 -60 -70 103+70N -83 Rd; 102+95W, 28, GdN -83 101+95N -84 103+70N -82 Rd; 102+40W, 208, GdS -70 103+70N -82 -70 87-184 site; 208 -84 102+42W, 103+70N 87-184 site; 208 -84 102+42W, -84	Rd. 34m north 180 -45 15.8 & 51m east of 89-262 Rd, 2m east 228 -70 18.9 of 87-152 228 -70 18.9 Rd, 30m east 208 GdS -45 49.92 of 87-152 34.1 103N, 40m 195 -50 34.1 Rd; 96W & 208 GdS -55 15.24 103N, 40m 195 -50 34.1 east of 87-157 Rd; 30m east 195 -50 34.1 of holes 41,42 205 -45 17 10 Rd; adjacent 205 -45 17 10 kd; on L97W, 208 GdS -60 6.4 5E SE of hole 80, 81,82 4.3 102+33W, 213 -82 4.3 Rd; 102+33W, 213 -82 4.3 101+95N 4.3 101+95N Rd; 102+95W, 28, GdN -83 4.3 101+95N 4.3 101+95N Rd; 102+40W, 208, GdS -70 2.15 103+70N 205 -82 1.22 87-193 site; 205 -82 1.22 101+95VV, 103+32N 4.3 87-184 site; 208 -84 1.7 <td>Rd. 34m north 180 -45 15.8 199.84 & 51m east of 89-262 Rd, 2m east 228 -70 18.9 180.4 Rd, 2m east 228 -70 18.9 180.4 of 87-152 Rd, 30m east 208 GdS -45 49.92 117.65 of 87-157 Rd;96W & 208 GdS -55 15.24 99.36 103N, 40m east of 87-157 Rd;30m east 195 -50 34.1 120.7 of holes 41,42 205 -45 17 108.5 108.5 Rd; adjacent 205 -45 17 108.5 108.5 se of holes 41,42 205 -45 17 108.5 Rd; on L97W, 208 GdS -60 6.4 178.6 SE of hole 80, 81,82 81,82 181.66 102+34N Rd; 102+33W, 213 -82 4.3 184.7 101+95N 213 -83 4.3 184.7 Rd; 102+40W, 208, GdS -70 2.15 382.82 103+70N 87-193 site; 205 -82 1.22</td> <td>Rd. 34m north 180 -45 15.8 199.84 Target: & 51m east of 89-262 Rd, 2m east 228 -70 18.9 180.4 Target: of 87-152 Rd, 30m east 208 GdS -45 49.92 117.65 Target: of 87-152 Rd, 30m east 208 GdS -55 15.24 99.36 Target: of 87-114 Rd;96W & 208 GdS -55 15.24 99.36 Target: 103N, 40m east of 87-157 Rd;30m east 195 -50 34.1 120.7 Target: of holes 41,42 Rd; adjacent 205 -45 17 108.5 Target: Rd; on L97W, 208 GdS -60 6.4 178.6 Target: SE of hole 60, 81,82 Rd; 102+33W, 213 -82 4.3 181.66 Target: Rd; 102+33W, 213 -82 4.3 184.7 Target: 101+95N Rd; 102+40W, 208, GdS -70 2.15 382.82 Target: 103+70N 87-193 site; 205 -82 1.22 346.25</td>	Rd. 34m north 180 -45 15.8 199.84 & 51m east of 89-262 Rd, 2m east 228 -70 18.9 180.4 Rd, 2m east 228 -70 18.9 180.4 of 87-152 Rd, 30m east 208 GdS -45 49.92 117.65 of 87-157 Rd;96W & 208 GdS -55 15.24 99.36 103N, 40m east of 87-157 Rd;30m east 195 -50 34.1 120.7 of holes 41,42 205 -45 17 108.5 108.5 Rd; adjacent 205 -45 17 108.5 108.5 se of holes 41,42 205 -45 17 108.5 Rd; on L97W, 208 GdS -60 6.4 178.6 SE of hole 80, 81,82 81,82 181.66 102+34N Rd; 102+33W, 213 -82 4.3 184.7 101+95N 213 -83 4.3 184.7 Rd; 102+40W, 208, GdS -70 2.15 382.82 103+70N 87-193 site; 205 -82 1.22	Rd. 34m north 180 -45 15.8 199.84 Target: & 51m east of 89-262 Rd, 2m east 228 -70 18.9 180.4 Target: of 87-152 Rd, 30m east 208 GdS -45 49.92 117.65 Target: of 87-152 Rd, 30m east 208 GdS -55 15.24 99.36 Target: of 87-114 Rd;96W & 208 GdS -55 15.24 99.36 Target: 103N, 40m east of 87-157 Rd;30m east 195 -50 34.1 120.7 Target: of holes 41,42 Rd; adjacent 205 -45 17 108.5 Target: Rd; on L97W, 208 GdS -60 6.4 178.6 Target: SE of hole 60, 81,82 Rd; 102+33W, 213 -82 4.3 181.66 Target: Rd; 102+33W, 213 -82 4.3 184.7 Target: 101+95N Rd; 102+40W, 208, GdS -70 2.15 382.82 Target: 103+70N 87-193 site; 205 -82 1.22 346.25

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ASSAY SUMMARY - Most Significant Elements

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	9801	182.31	193.1	0,79 ,	340026	40		U , U					••••	•							•	
	9602	24.8	25.83	1.03	340001	<5		<.2 - 7		2,	<10 40	<.5	530 38		905 475	2	0.01 0.03	22 4	<2 <2		<2	28
	9802 9802	27.12 65.76	28,12 58.24	1 0.48	340002	<5		<.2		<2	48	<.5	48		710	1	0.02	16	<2		<2	32
	9802	88,5	67.8	1.01	340004	<5 - 1		<.2		2	80	<.5	22 78		410 800	3 <1	0.04 0.01	11 21	<2 <2		2	40 34
	9802 9802	03.0 {13.00	\$4.7 \$13.82	9.8 9.54	340005	<5 <5		<.2		28	90	<.5	13		160	3	0.02	2	٠		<2	70
	9802	114.88	115.5	9.64	340007	5		0.2		1425	130	<,5	25		385	3	0.02	12.	2		2	44
	8803	78,48	11.25	0.79	340008	<5		<.2			110	<.5	237		1055	1	0.01	20	<2		2	80
													•-			•	0 M	3	~2		<2	18
	9804 9804	18,34 48,68	17,66 48,08	1.33	340027 340028	<5 <5		<,2 <,2		<2 2	150 40	<.5 <.5	37 82		755	3	0.01	22	<2		<2	42
	9804	48.06	49.14	1.05	340028	<\$		<.2		2	30	<.5	121		890 144	1	0.01 0.03	20 4	<2 18		<2 <2	38 178
	8904	88.34	89.28	0.36	340030	10		0.2		50	100	≺.9	10			•		-				•
	9906	34.82	35,74	0.92	340069	<5		<,2		<2	180	<.5	111		940 365	2	0.04 8.03	5 4	<2 <2		<2 <2	48 14
	9805 9805	44,71 51,21	45.71 52.15	1 0,94	340078 340071	<5 <5		· <.2 <.2		<2 <2	120	<,5	37		1195	1	0.03	t e	<2		<2	42
	9805	54	54,89	0.68	340072	<5		<.2		~2	30	<,5	78		810 125	4	0.04 <.01	14 31	<2 318		2 2	52 1620
	9805 9805	77,52 88.33	78.29 89,35	0.77 1.02	340073 340074	410 20		2.2 <.2		44 10	50 120	4.5 <,5	29		185	4	0,01	3	2	•	<2	66
	9805	88.35	80.22	0.87	340075	30		8.4		34	50	<.5	12		210	1	0.01	3	14 204		2	49 150
	9906	80.22 81 27	90.97	0,75 0,81	340076 340077	115 120		3.4 12.8		14 42	50 30	<,5 0,5	202		215	•	0.01	,	22		30	188
	9805	88,44	89.3	0,88	340078	1320	1.84	>100.0	138	1850	10	388	6310	0.7	180	31	<.01	15	>10000 707	1.3	200 42	>10000 9.17 >10000 6.12
	9805	89.3 100.74	100.24	0.84	340079 340080	1840 1180	1.23 1.23	36.4 18.4		308 82	20 30	198.5 32.5	4780 6420	0,64	210	28	<.01	4	440		4	6270 0.59
	9805	101.35	102	0.65	340081	685		17.6		170	40	83	1620	0.16	250	•	<.01	11	1310		18 28	>10000 1.4 >10000 3.02
	9605	102	102.94	0.84	340082	370		21.2		\$2	10	128.5	3870	0.42	13	14	4.01	.,	2000			
	9006	54.38	35.17	0.76	340041	10		<.2		•	40	<,5	15		170	3	0.03 <.01	4	2		<2 <2	- 6 - 50
	9006	38.8	30.86	1,14	340042	35		0.2		78	40	¢,3	20		- 13	•		-	-			
	9807	47,55	48.72	1.17	340031	45		0.2		•	50	<.5	406		1185	10	<.01	17	<2 10		2 <2	122
	9807 9807	51.7 73.32	53,13 74,48	1,43	340032 340039	85 50		0.4 0.6		18 20	30 100	<,5 <,5	401		2450	10	<,01	20	<2		<2	230
	8807	74,48	75.22	0.76	340640	140		1.8		24	20	1.5	3440	0.36	1820	18	<.01	18 14	<2 <2		<2 2	178 184
	9807 9807	80.55 84.61	81,59 85.92	0,84 1,23	340033 340034	20 30		1.4 0,8		18	120 60	0.5	2780	0.04	2260	1	<,01	19	<2		2	212
	8807	\$7.28	87.99	0.7	340935	<5		0,4		•	200	<.5	\$16 17		1693	۲۱ 2	<.81 0.82	14 42	<2 <2		<2 <2	158 24
	8607 8807	122.2 132.32	123.37 133.7	1.17 1.38	340034 340037	<3 <5		<.2 <.2		2	50	<.5	50		385	3	0.04	11	<2		<2	48
	8607	141.5	142.5	1	340838	<5		<.2		<2	50	<,5	33		515	4	0.03	11	<2		<2	40
	8008	87.96	69,44	1.40	340044	10		<.2		18	40	<.5	37		75	19	0,01	20	6		<2	18
•	9909	140.2	140.9	0.7	340045	8710	6.08	>100.0	225	484	50 70	>600. 452	>10000 >10000	1.42	370	31 52	0.01 ≺,01	4	582	8,36	50	>10000 12.75
•	8809	\$41.8	142.32	0.03	34 0047	2610	1.82	39.2		112	10	430	>10000	3.01	140	55	0.01	3	196		12	>10000 10.36
	9808	142.3	143.36	1.04	340048	690 1505	2.19	22.2 >100.0	144	18 310	100	7 80	>10000 >10000	1.8 6,39	225	2	0.03 0.01	18	<2		868	>1000 1.13
	9808	152.04	153	0.16	340050	145		0,8		66	20	1	48		100	23	0.01	14	124		4	152
										74	<10	5	9770		1070	24	<.01	11	12		4	230
	9810 9810	61.97 80.9	62.55 81,46	9.58 ,8.56	340107 340108	285		1.8		60	50	4	2940		810	18	<.01	11	42		2	188
											74		78 4		6 45	20	₹,01	12	<2		2	60
	9811 9811	33 48.78	34 50,84	1 1.06	34 00 83	20		₹.2		14	40	<,5	14		760	13	<.01	2	<2		<2	44
	8811	144,78	145,01	0.28	340101	20		8.0 		28 1270	60 «18	1	3690 > 10000		1255	i 18 47	<.01 <.01	19 25	<2 <2		<2 <2	74 236
	9811 9811	280.5 280	251.4 286.8	0.81	340102	35		2.4		7890	20	0.5	>10000		640	57	0.01	21	<2		18	102
	9811	286.8	287.52	2 0.72	340104 340104	80 74		2		>10000	10 <10	1 1.6	894 0 8210		825 535	51	<,01 <,01	21 24	<2 <2		12	120
	. 9811	288.62	289,21	r 0.75	340100	55		1		7390	20	1	4230		700	33	8.01	18	<2			96
	8612	\$1.38	32,54	1.18	340085	55		0.9		8	70	0.5	800		335		< 01	4	<2		<2	44
•	8612	47.55	48.92	1.37	340088	35		0.4		14 74	80 20	1 4.5	35 48		715	7 18	<.01 <.01	3 15	30 40		4 <1	132
	9812 9812	48,92 119	49.92 120.05	1 5 1.05	340087 340088	300		3.4		26	110	7	6540		1580	•	<.01	85	•		2	192
	9812	159.37	160,32	2 0.92	340069	6 0		1.6		20 38	40 40	2.5 8.1	3450 1760		2330 1515	i 11 i 15	4.01 4,81	28 13	2	۰.	<2 <2	118
•	9812 9812	140.21 161.24	181.24 182,81	- 1.03 1.62	340110	35 10		<.2		18	80	<.5	348		1405	1	<,01	12	. <2		<2	96
	8812	162.86	163,81	0.85	340111	70		2		54	<10	2.5	6860		575	57	<.01 0.01	- 11 50	4 ح			102 236
	9612	211.48 231.1	212.0	1 0.56 2 0.32	340090 340091	65 40		1.8 0.0	•	14 18	90 80	3 0,5	849		795	5	<.01	25	2		<2	86
÷.,	8849		380.53	9.78	340092	<5		4.2		4	110	<.5	284		570	2	8.01 - Pr	19	~2		2	40 112 ·
÷ .	9612 9612	288.11		1 78	340093	58		0.4 0.#		14	10 (10	<.5 0.5	132 2690		#75 1030	3	9.91 9.91	15	<2		42	114
· · ·	9612 9612 9612	330.02	532.1 543 41	1.20	340094	20				3					285							
	9812 9812 9812 9812 9812 9812	288.77 330.82 383.4 388.83	532.1 565.67 569.41	r 0.27 1 0,78	340094 340095	20 78		1.2		2	130	1	2480				0.01	•	<2		2	48
	9812 9812 9812 9812 9812 9812 9812	200.77 330.82 363.4 368.63 368.31	532.1 363.67 369.41 369.12	1.10 1 0.27 1 0.70 2 0.81	340094 340095 340096 340096	20 78 45		1.2 1 2.4		2 672 2620	130 100 70	1.5 1.5 2	2480 2090 7070		470	3	0.01 0.04 0.01	4 1 1	4 4 4 4		1 1 ~1	46 170 260
FR	9812 9912 9912 9912 9912 9912 9912 9912	289.17 330.42 383.4 368.63 388.31 388.12 389.88	532.1 363.67 360.41 389.12 389.60 391.22	7 0.27 1 0,70 2 0.81 9 0.56 2 1.54	340094 340095 340096 340097 340098	20 78 45 118 10		1.2 1 2.4 0.8		2 872 2820 134	130 100 79 135	1 1.5 2 1	2480 2090 7670 3370		470 425 818	3	0.01 0.04 0.01 0.02	4 1 7 10	4 4 4 4		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	46 170 260 54
FIQ.	9812 9812 9812 9812 9812 9812 9812 9812	288.77 330.82 383.4 388.63 388.31 388.12 389.88 391.22	532.1 363.61 369.41 389.12 389.64 391.22 391.83	7 0.27 6 0.78 2 0.81 8 0.56 2 1.54 0 0.61	340094 340095 340095 340097 340097 340095 340095	20 78 45 110 10 38		1.2 1 2.4 0.8 1.2		2 672 2620 134 56 3470	130 100 70 135 70 40	1.5 2 1 2,8 <.5	2480 2890 7870 3370 4830 3880		470 425 818 820 405	3 6 53 23	0.01 0.04 0.01 0.02 0.01 0.01	4 1 1 1 1 1 7	41 42 42 42 42 42		2 2 ~2 ~2 ~2 ~2 ~2	46 170 260 54 80 50
FIG. 11	9612 9612 9612 9612 9612 9612 9612 9612	299.11 330.62 383.4 388.63 388.51 388.12 389.68 381.22 385.1	332.1 343.41 349.41 349.41 349.41 349.41 349.44 391.22 391.23 391.23	7 0.27 1 0.78 2 0.81 0 0.56 2 1.54 5 0.61 1 0.74	340084 340085 340086 340087 340088 340086 340086 340100	20 70 45 110 10 30 15		1.2 1 2.4 0.8 1.2 0.6		2 672 2620 134 56 3470	130 100 79 135 70 60	1 1.5 2 1 2.8 <.5	2480 2990 7870 3370 4830 3890		470 425 618 820 405	3 6 33 23	0.01 0.04 0.01 0.02 0.01 0.01	4 1 7 10 7 7	4 4 4 4 4 4 4 4 4		2 ~2 ~2 ~2 ~2 ~2 ~2	46 170 260 54 80 59

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ASSAY SUMMARY - Multi-Element Analysis (ICAP)

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DCH Ne	SAMPLE	Au	As	Ag	4	A	A	. 8	34 B	ie E	ii Ca	Ce	Cø	Cr	Cu	Cu	Fe	Ga	Hg	ĸ	La	My	Mn	Ne	Na	NE	۶	Pb	m	Sb	Sa	Sr	Π	π	U	۷.	w	2a	Zn
-	NUMBER	ppb 	a t	a se	9t	*	ppm ·	n pp	m ppr		• %	ppm	ppm ~	ppm	ppm 670	*	×	ppm	ppm	*	ppm	*	ppm ans	ppm 7	*	22	500	Mbu KJ	*	ppm : 2	ppm p 7	урт 27	% (0.14	*10	ppm : 10	эрт 134	99m <10	ррм 72	×
9602	340002	9 4		<2		1.78	2	2 4	10 <; 10 <;	a < 5 <	2 1.71	<.5	200 17	45 28	38		6.56 5.75	<10 <10	<1 <1	<.01 0.08	<10 <10	1.7	475	1	0.03	4	610 /	4		4	5	16	0.11	<10	<10	61	<10	28	
9802	340003	4	•	<2		2.44	4	2 4	i 0 <3	5 <	2 2,86	<5	23	58	48		7.78	<10	<1	0.05	<10	1.88	710	1	0.02	18	850	4		4	3	46	0.01	<10	<10	83	<10	32	
9602 9602	340004	ৰ ৰ		<2 <7		1.82	2	2 8 1 - 1	10 <∄ a ai	5 <	2 1.8	<5 - 5	19 77	61 #2	22 70		8.07	<10 <10	<1 ~1	0.13	<10	1.55	410	3	0.04	11 21	500 440	√2 √2		2	3	16 54	0.01	<10 <10	<10 10	33 74	<10 <10	40 34	
9802	340008	ৰ		< <u>-</u>		0.55	26	3 9	10 «.	5 <	2 1.58	<.5	5	37	13		1.96	<10	4	0.24	<10	0.2	160	3	0.02	2	280	8		~2	<1	39	<.01	<10	<10	2	<10	70	•
9802	340007	5		0.2		1,41	1426	13	10 <.1	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	
9800 VOIDED	340008	4	•	<2		3.29	6	1 11	(> 0	5 <	2 5.0	, < .5	22	19	237		8,19	10	<1	0.13	<10	1.54	1055	1	0.01	20	850	•2		2		81	0.14	<10	10	140	10		
VOIDED	340010																																						
9601 9601	340011	55		1.6		2.47	24	5	0 <1	5 / 5 /	1.8 1.8	17.5	7	153	2050		6.07	<10	<1	0.13	<10	2,77	2490	26 B	<.01	62 4	180 210	242		4	3 <1	46 86	<.01 <.01	<10 <10	10 <10	16 5	<10 <10	2990 1120	
9801	340013	25		0.4		2.49	14		u •1	5 2	t 1.17	8.5 3	5	33	367		6.01	<10 <10	<1	0.19	<10 <10	2.48	1100	3	0.01		230	14		2	<1	22	<.01	<10	<10	6	<10	508	
\$801	340014	36		1		0.85	26	5	0 48	5 2	1 0.95	3	5	34	724		7.92	<t0< th=""><th><1</th><th>0.13</th><th><t0< th=""><th>0.63</th><th>540</th><th>5</th><th><.01</th><th>2</th><th>190</th><th>106</th><th></th><th>4</th><th><1</th><th>15</th><th><.01</th><th><10</th><th><10</th><th>2</th><th><10</th><th>490</th><th></th></t0<></th></t0<>	<1	0.13	<t0< th=""><th>0.63</th><th>540</th><th>5</th><th><.01</th><th>2</th><th>190</th><th>106</th><th></th><th>4</th><th><1</th><th>15</th><th><.01</th><th><10</th><th><10</th><th>2</th><th><10</th><th>490</th><th></th></t0<>	0.63	540	5	<.01	2	190	106		4	<1	15	<.01	<10	<10	2	<10	490	
9801 9801	340015 340016	15 10		0.2 <2		2.37	8	: 91 : 111	0 <.5 0 <.5	5 0	1 1 1 1 2 1	3 0.5	3	35 32	473 438		4.48	<10 <10	<1 <1	0.15 0 13	<10 10	1,97 2,25	1025	3	0.01	1 41	460 590 -	4		-4 2	<1	29 29	<.01	<10	<10	4	<10	214	
9801	340017	35		1.2		1.81	20	4	0 <5	54	1.1	1.5	6	38	1605		6.33	<10	<1	0.13	<10	1,55	825	14	0.01	3	130	80		4	<1	17	<.01	<10	<10	3	<10	270	
9801	340018	15		0.4		1.55	4	9	0 <5	5 4	2 1.49	3.5	2	49 63	1080	• ••	3.22	<10	<1 -1	0,15	<10	1.37	900 #70	5	0.01	4	120 20	14 -7		2	ন ন	22 16	<.01 <.01	<10 <10	<10 <10	2. <1	10 <10	592 192	
9601	340020	20		0.4		1.35	12	, a	0 <5	5 1	0.56	i	1	55	308	ور ي ا	4.75	<10	4	0,19	<10	1.11	440	5	0.01	2	50	44		4	<1	10	<.01	<10	<10	4	<10	174	
9801	340021	30		0.4		2.05	24	2	0 <.5	5 2	1.08	6	5	31	555		7.44	<10	<1	0,15	<10	1.78	845	5	<.01	2	180	8		2	<1	19	<.01	<10	<10	8	<10	724	
. 9801 9801	340022 340023	36 15		0.2		1.21	54	11 44	0 <.5 0 < 5	56	0.31	<5 <5	22 21	35 28	282 512		9.28	<10 <10	<1	0.19	<10 <10	0.94	265 790	3 16	<.01 <.01	4	290 470	2 16		4	2	8 10	<.01 <.01	<10 <10	<10 10	5 34	<10 <10	50 80	
8801	340024	45		0.2		1.98	24	90	0 <5	i 2	0.56	<5	9	27	831		3.66	<10	<1	0.18	<10	1.63	855		<.01	16	420	2		~2	1	10	<.01	<10	<10	32	<10	58	
9801	340025	10		<2.		427	8	\$10	0 <.5	52	0.61	<.5	36	47	1035		7.12	<10	<1	0.1	<10	3.78	1240	4	<.01	18	330	2		2	5	11	0.1	<10	10	87	<10	86 84	
9804	340028 340027	40 <5		0.0 <2		3.81 0.76	16 ≺2	30 150	0 <.5 0 <.5	; 2 ; 7	0.55	<.5 <.5	24 4	22 32	389 32		8.33 2.4	<10 <10	<1 <1	0.06	<10 <10	3.62 0.41	1220	3	<.01 0.04	13 3	200	4		4	<1	7	0.03	<10	<10	10	<10	18	
9804	340028	4		· <2		2.08	2	*	0 <.5	1	2.7	₹.5	27	44	82		6.02	<10	<1	0.04	<10	2,19	765	3	0.01	22	540	~		4	6	57	0.17	<10	<10	100	<10	42	
9804 9804	340029 340030	≪ 10		<2 02		2.14	2	30	0 <.5	2	2.19	<.5 < 5	28	41 30	121		5.92	<10	<1	0.03	<10	2.24	690 165	1	0.01	20 4	510 260	<2 18		4	4	50 219	0.13 <.01	40 <10	<10 <10	87 - 4	<10 <10	38 178	
9607	340031	45		0.2		3.55	6	50) <.5	2	0.37	<5	15	28	408		5.4	<10	<1	0.1	<10	3,71	1195	10	<.01	17	780	4		2	2	4	0.05	<10	<10	47	<10	122	
9807	340032	85		0.4		1.02	. 10	100) «5	~	05	< 5	8	30 57	118	· • • •	2.92	<10	<1	0.2	<10	0.95	365	•	<.01	4	250	10		4	<1 8	4	0.04	<10	<10	8 04	<10 10	44	
9807	340034	30		0.8		4,48	18	80	, •,5) •5	2	0.34	0.5	21	57 35	2780	9.04	5.7 8.11	<10 <10	4	0.07 D.16	<10 <10	4.11	2100	1	<.01	10	420	4		2	7		0.13	<10	10	99	<10	212	
9607	340035	4		0.4		3.16	8	200) <.5	2	0.95	<.5	21	50	916		4.22	<10	<1	0.08	< 1Q	2.84	1695	۹۱	< 01	14	340	<2		4	4	40	0.12	<10	<10	65 27	<10	158	
9807 9807	340036 340037	ক ক		~2 ~2		1.42 1.49	~ 2	20) <.5 } <.5	4	0.58	<.5 <.5	16 11	121 40	17 50		5.15 4.3	<10 <10	न ।	0.09 0.14	<10 <10	1.5 1,19	320 365	2	0.02	42	370 320	ব		~	3	20	<.01	<10	<10	20	<10	48	
9607	340038	4		<2		1.11	4	50) <.5	<2	3.07	<.5	14	35	33		3.27	<10	<1	0.06	<10	1.08	515	4	0.03	11	240	~		<2	2	28	0.01	<10	<10	20	<10	40	
9807 9807	340039 340040	50 140		0.8 1.8		4.70 3.54	20 24	30 20) <.5) <.5	2	0.35 0.84	` <.5 1.5	25 29	72 59	401 3440	0.36	7.75 10.6	<10 <10	<1	0.04 0.04	<10 <10	5.07 3.63	2450 1820	10 19	<.01 <.01	20 19	370 330	4		~2	5	6	0.04	<10 <10	<10 <10	67	<10	230 176	
9066	340041	10		<2		0.27	8	40) <.5	~	1.45	<5	8	35	15		2.5	<10	<1	D.16	<10	0.07	170	Э	0.03	4	240	2		4	51	43	<.01	<10	<10	1	<10	6	
9808 MDIDED	340042	35		0,2		0.35	78	•0) <,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	58	<.0t	<10	<10	1	<10	50	
9809	340044	· 10		<2		0.36	18	40	< 5	9	0.72	<.6	8	32	37		327	<10	<1	25	<10	0.03	75	19	0.01	20	380	8		4	<1	27	<.01	<10	<10	1	<10	18	
9809	340045	8718	L.99	>100.0	226	0.16	486	50	<5	int"	5.57	>600.	7	20	>10000	1.42	5.33	10	27	0.05	<10	0.15	370	31 67	0.01	3	int" Int"	>10000 582	678	698 50	<1 <1	66 29	<.01 <.01	<10 <10	10 <10	ব ব	<10 <10	>10000 >10000	32.3
9809	340048	815 2618	1.92	53.8 39.2		0.29	80 112	70 10) <5) <5	ne" Int"	0.96	482 430	9 15	39 35	>10000	4.01 3.01	8.42 10.3	<10 <10	10 (0.15 0.18	<10 <10	0.13	140	55	0.01	3	H.	196		12	<1	23	<.01	<10	<10	<1	<10	>10000	18,36
8608	340048	690		22.2		0.39	18	100	*.5	int"	2.11	7	6	34	>10000	1.8	2.73	<10	<1	02	<10	0 43	225	۹1	0.03	5		32		40	1	95	<.01	<10 <10	10 <10	1 41	<10 <10	1095 >10000	1.13
9609 9608	340049 340050	1605	2.18	9,001∢ R.0	144	0.1	310 MB	40 20	<5 <5	148° 	0.75	80 1	37 17	107 29	>10000 66	5.35	7.19 6.03	<10 <10	10 1 <1 ().14	<10 <10	02	100	23	0.01	14	340	124		4	<1	39	<.01	<10	<10	1	<10	152	
9805	N340089	-5		<2		1.83	4	160	<.5	~	3.03	<5	15	21	111		3.5	<10	<1	0.1	10	1 31	940	2	0.04	5	750	~		.<2	3	57 24	<.01	<10	<10	37	<10	46	
9605	N340070	<5 -5		<2 17		0.84	<2 <2	120	: <,5 : <5	4	1.59	<.5 < 5	5 23	38 49	5 37		2.48	<10 <10	2 1	0 15 0 07	<10 <10	0.57	305 1195	1	0.03	19	510	<2		-2	10	97	<.01	<10	<10	115	<10	42	:
9805	N340072	4		< <u>-</u>		2.33	<2	30	< 5	4	2.75	<5	25	40	78		85	<10	<1	00	< 10	2 03	910	4	0.04	14	520	~2		2	•	41	<.01	<10	<10	86	<10	52	
9805	N340073	410		22		0.54	44	50	<5	4	1,28	6.5 < 5	7	36 47	121 29		3.06 1.66	<10 <10	<1 0	.31 ·	<10 <10	0.1	125	4	0.01	3	330	2		4	<1	29	<.01	<10	<10	2	<10	66	
9805	N340075	30		0.4		0.32	34	50	<5	4	1.8	<.5	3	30	12		3.22	<10	<1 C	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	4	1.17	<.5 0.6	4	30 . 59	18		2.26	<10 <10	<1 <1 (01 · 27 ·	«10 «10	0.05	125 215	2	0.03	,	90) 240	204 22		30	<1	24 50	<.01	<10	<10 <10	4	<10 <10	168	
9805 9805	N340077	120	1.64	>100.0	138	0.25	1850	10) <5	10	1.87	369	3	34	4310	0.7	6.92	<10	18 0),18 ···	<10	0.02	180	31	<.01	15	120	>10000	1,3	200	<1	30	×.01	10	<10	<1	<10	>10000	8.17
9805	N340079	1648	1.23	36.4		0.29	308	20	<.5 	8	1.06	198.5	2	47	4780	0.54	6.74	<10	70),19 · 1.22 ·	<10 <10	0.03	125 210	25 28	<.01 <.01	4	240 160	702 440		42	ब ब	21 50	<.01 <.01	<10 <10	<10 <10	۹ ۱	<10 <10	>10000	8.12 8.89
9805 9805	N340081	005	1.24	17.6		0.27	170	40	, -,5 -,5	4	2.18	63	7	30	1620	0,16	3.89	<10	4 (), 19	<10	0 03	250	9	<.01	11	280	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	8.42	6.12	<10 <10	10 0).18) 12	<1D <10	0.07	95 645	14 20	<.01 < 01	15 12	180 310	2630 </th <th></th> <th>28 2</th> <th>4</th> <th>29 3</th> <th><.01 0.04</th> <th><10 <10</th> <th><10 <10</th> <th>1 29</th> <th><10 <10</th> <th>>10000</th> <th>1.97</th>		28 2	4	29 3	<.01 0.04	<10 <10	<10 <10	1 29	<10 <10	>10000	1.97
9811 9811	N340083	18 20		<2		2.01	14	40) <5	2	0.8	<.5	12	43	14		5.07	<10	<1 (90.06	<10	2,21	760	13	<.D1	2	40	4		<2	۲>	9	<.01	<10	<10		<10	44	
8612	N340085	55		0.6		0.67	8	70	<5	4	0.42	0.5	4	32	800		3	<10	4 1	0.15	<10 <10	0.59	335 715	6 7	<.01 < D1	4	170 120	<2 30		~ 2	त न	5	<.01 <.01	<10 <10	<10 <10	3	<10 <10	44 192	
9812 8612	N340088	36 95		0.4 0.4		1,31	14 24	80 20	5.> (5.> (2 2	0.63 0.61	۱ <5	13	. ⁵⁰ 54	35 46		5.86	<10	<1 (0.17	<10	204	970	18	<,01	15	380	40		4	1	7	<.01	<10	<10	24	<10	132	
8612	N340086	300		3.4		4.16	26	.110) <.5	4	9.46	1	68	83	6540		7.65	10	-1 (0.17	<10	2.92	1590	1	<.01	85 28	490	8		2	13	146	0.05	<10	<10	177	<10	192	
9812	N340089	80		1.8		5.23 4 29	20 14	40 50) <,5) < 5	2	0.38 2.33	2.5 3	30 25	138 111	3450 4470		10.3 6.02	10 10	<1 ().17).17	<10 <10	3.75	1690	1	001	30	340	4		6	10	44	0.01	<10	<10	108	<10	238	
9012	N340091	40		0.6		3.71	18	90) <5	2	1.38	0.5	30	88	849		6.24	<10	<1 (0.17	<10	3.17	795	5	<.01	25	380	2		4	5	27	0.03	<10	<10	62	<10	86	
9812	N340092	4		<2		2.14	4	110) <5	4	53 000	<.5	37 78	63 25	284		5.94 10.55	<10 <10	<ाः राः	0.17 0.17	<10 <10	1.05	570 975	2	0.01 <.01	19 5	370 570	<u>ح</u>		2	3	44 18	0.07 <.01	<10	<10	40	<10	112	
9612 9912	N340094	50 20		0.4		325 337		110	, <u>5</u>) <.6	4	2.42	0.5	17	63	2690		5.47	<10	<1	0.17	<10	2.49	1030	Э	0 01	15	280	~2		<2	6	45	<.01	< 10	<10	45	<10	114	
9612	N340095	70		1.2		0.87	2	130		4	1,32	1	17	159 ~~	2480		1.78	<10	<1 (0.17 h 47	<10 <10	0.53 1.28	285 470	3	0.01 0.04	4 8	80 790	42 47		2	<1 7	20 30	<.01 0.01	<10 <10	<10 <10	4 81	<10 <10	48 170	
9612 9612	N340098 N340097	45 110		1 2.4		2.58 1.87	872 2420	100 70) <,5) <,5	~ ~	z.02 3.34	1.5 2	47 42	یں 58	7870		6.71	<10	<1	0.17	<10	0 79	425	6	0 01	1	510	4		~	3	67	<.01	<10	<10	36	<10	280	
9812	H340098	10		0,8		2.79	134	130) < 5	~	2.97	1	66	45	3370		8.D	<10	<1	0.17	<10 <10	1.11	515 620	8 71	0.02	19 4	230 220	42 42		~2 ~2	5 K	96 35	0.03 < ,01	<10 <10	<10 <10	44 45	<10 <10	54 ph	
9612 9612	N340099 N340100	30 15		1.2 0.8		2.61 2.08	56 3478	70 80	a <5. 3.⊳ ⊊	4	1,39 2	2.5 < 5	20	66) 34	4830 3890		a.56 7.11	<10	-1	D.17	<10	0 87	495	23	0.01	,	200	2		4	3	86	<.01	<10	<10	28	<10	50	
9611	N340101	20		9.8		3.94	20	80) <.5	4	1.27	1	36	110	3690		8.15	10	«1	D.17	<10	3.02	1256	18	<.01	19 25	310	5 S		2	8 6	17 21	0.08 p.ne	<10 <10	<10 <10	87 57	<10 <10	74	
9911 8814	N340102	125 25	•	5.8 2 A		2.74 2.80	1970 7 8 90	<10 20	3.> ⊑ 8.> ⊑	i Infr i Infr	0.43 1.75	1.5 0.5	73 40	40 40	>10000 >10000	,	14.7	10 10	ন ব	0.17 0.17	<10 <10	0.96	840	67	0.01	21	hiff.	4		10	4	20	0.03	<10	<10	40	<10	102	
9811	N340104	80		2		3.08	>10000	10	a> (6	4	1.54	1	172	46	5940	,	15.00	10	1	0.17	<10	0.92	825	51	<.01	21	290	4		12	7	29	0.04	<10	<10	61	<10	120	
8811	N340105	70		2.4		1.89	>10000	<10) <5 		1.5	1.5	86 64	45 45	8210	3	15.00	10 <10	त त	0.17 0.17	<10 <10	0.59	536 700	50 33	<.01 0.D1	24 18	190 270	4		12 8	3 4	15 20	u.01 0.03	<10 <10	<10 <10	27 52	<10 <10	116 96	
#811 #610	N340108 N340107	55 285		1		2.26 2.54	7390 74	20 <10	, <,5 } <,5	ୁ ସ ସ	0.34	1 5	33	-10 58	\$770	,	15.00	<10	4	0.17	<10	1.09	1070	24	<.01	11	240	12		4	. 3	4	0.03	<10	<10	47	<10	230	
9010																												~			-								
	N340108	50		1.8		2,87	80	60) <5	4	3.05	4	20	58	2960		9.05	10	ব 	0.17	<10	1,62	910	10	<.01 < 04	11	250	~		2		40	<.01 201	<10 <10	<10 <10	54 112	<10	108	
9812	N340108 N340109	50 35		1.8 0.8 c 2		2,87 4,96 4,44	80 38 14	50 40) <5) <8) <4	4 4 6	3.05 0.76 0.53	4 0,5 < 5	26 39 25	58 44 39	2999 1799 348		9.05 10.8 7.32	10 10 10	ন ন ন	0.17 0.17 0.17	<10 <10 <10	1.62 3.86 3.74	910 1515 1405	10 16 7	<.01 <.01 <.01	11 13 12	250 380 420	2 2 2 2		7 7 7	5 8 8	40 15 18	<.01 0.05 0.07	<10 <10 <10	<10 <10 <10	54 112 100	<10 <10 <10	194 116 96	

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FIG. 12

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	<i>n</i>				2019 1811 1912	
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					yatite Lighte Lighte	
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NUCANOLAN RESOURCES LTD - LARA PROJECT -	South Vancouver Island B.C. Owner					
DDH No: 9801 Grid Azimuth: 152 C	ollor True Azimuth: 180 Acid Trathing				1997 - 1993年 - 1914	
Claim # Silver 2 Grid Easting: -8917	Coller Dia: 40 Acid Test Dips: -41 At(m) 199.84 Core si	ize: NQ	Core storage: Lara p	ortal site	Lagged by J.A. Richard	
NTS Ref: 92 B/13 Grid Northing: 10718	Elev (m): 578 Acid Test Dips: At(m) Casing ((m): 16.1	HoleStart	10/14/98	y are	
Collar UTM	Casing I	left no	HoleFinish:	10/15/98	Final Depth 199.84	
From (m) 16.10 Bock bit Photos Inc.	get 2021 ensits subligraphy and extension of mineralization in hole 8	89-262 - colle	ared on road within 50m	of Laramide-Falc	onpridge claim boundary	
To (m) 31.80	Structure: -weak to moderately shear foliated to 50*		Fromim		, 39 , 39	
Lithology medium grey to Largonish and find		Sm	pl		(cpm) ∠n(ppm) Ag(ppm)	Au(ppb
matrix containing some 2-4mm qtz grains; some gradetional bands		Smj	pl.			
with mir or f.g. matrix, local wispy chlorite enrichments; below 19.5m, unit grades to predominantly by foremed whiteh and sociality ask	StructFoin: 50 PrimryBed	Smp	al 340011 20.09	21.18 1.09	2060 2980 1.C	
some qtz-carbonate stringers with local contact chloritization;	minor laminar bandings of blebby discominated if	Smp	k			33
3	Mineraln;	sph Smp	×		д ФР - 1	
		Smp	k		g ates K (e n 2 V 14	
	Remarks:	Assays	:-Au values returned f	rom lab as <5ppb r	read in this log as 4ppb	
			-Ag values returned f	tom lab as <0.2ppr	n tead in this log as 0.1ppm	
From (m) 31.80 Rock Unit Rhyo-dacitic lapilli tuff - 1-2LaT	Structure: weakly foliated, with apparent or many bedding at 401				a la contra de la	
To (m): 53.65			From(m 1	Fo(m) intrvi(m)	Ci(ppm) Zn(ppm) Ag(ppm) A	Au(ppb
ithology: medium to dark greenish grey, fv.f. grained siliceous/sericitic matrix		Smpl			a for the second s	
late-stage minor diz-carbonate veinlets; fairly monotonous sequence	Chanada	Smol	240010 07.15	••••	3.64 3220	
grades into underlying unit	Subcroin: PrimryBed 40 DbsKey.	3 Smol	340012 37.15	38.41 1.26	1070 1120 1.2	35
	-scattered minor disseminations of fine py <1% in local bandings; 37.15-38.41m; zone of SMMX bandings up to 1cm of discusses	Smpl			and and an and an	
	to 5% with <1% chalcopy	y Smpl				
1	Bimarke	Assevs:			्राहे । जूनीब	
rom (m) 53.65 Rock Unit: Rhyolite ash tuff - 11 aT-DT	Chapter				erne Sterf	
To (m). 81.80	Structure: very weakly foliated unit: except at 62.91-63.36m -strong shear layer a 55° is very strongly chloritic (sheared diorite?) containing sheared at	at	From(m To	o(m) Intrvi(m) (Cuippm) Zn(ppm) Ag(nom) Al	uinnh
thology: Larey to whitish arey. fy famined siliceous equiprenula ask by	qtz-carbonate veining (v.late stage shear)	Smpl			Care Contraction of the Contract	
thin cherty horizons, monolithic sequence that is gradually fining down,		Smpl			g tanti Lifen	
s groong mor	StructFoln: PrimryBed DbsKev:	Smpi 4			240 240 228	
	Mineral's contactor to disseminated py	Smpl			244 ***	
		Smpl		a 200	sjaken i nave gjan an tankn i na	
		əmpi			↓ 4 × 4 ↓ 1844	
	Remarks: -unit shows distinct fining-down i.e. apparent overturned primary bedding	Assays;			2.11.11 夏季2 11.11	
					romon gasti Jaste	
ulanown mesources Ltd	Diamond Drift Ease Staff	· · · · · ·	· · · · ·			
					Poge 1 of 3	1.01

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From (m) 81.80 Rock Unit To (m) 90.00 Lithology: I grey to whitish grey. v.t.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 65.5m;	Structur StructFolr Mineral'r Remark	re: moderately-well foliated at 60°; at 86 65-86.9m - shear/fault zone a 60°, is fault gouge breccia bearing non-sheared white 'bull' qtz- carbonate veins up to 10cm wide with no significant mineralization n: 60 PrimtyBed DbsKey: below 85.5m - up to 1 cm bandings of 1-5% py-po disseminated bandings with trichalco	t Sm; Sm; 5 Smp Smp Smp Assays	ol 340013 340014 340015 340016 340017 1 340018 :- ebove re	From(m 90 77 91.77 92.62 93.62 94.62 95.62 95.62	To(m) 91.77 92.62 93.62 94.62 95.62 96.61 ain to the	Intrvi(m) 1 0.85 1 1 1 0 99 underlying	Cu(ppm) 367 724 473 438 1505 1080	Zn(ppm) 508 490 544 214 270 592 mote depth	Ag(ppm) / 0.4 1 0.2 0.1 1.2 0.4 metres)	Au(ppb 25 35 15 10 35 15
From (m) 90.00 Rock Unit Rhyolite ash, cherty and argillaceous - 1DT.Cy To (m) 128.27 IDT.Cy 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 sI.cherty sericitic ash tuff with only minor py-pp 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 StructFoln: Mineral'n: Remarks	50 PrimryBed 40 DbsKey: 90-103.0m - SMMX-MSSX bandings of 20-60% disseminated blebby end clotty py-po with minor (<1%) chalcopy. no obvious sph- taminations, mineral'n concordant with argill/chert laminations; odd minor py-po disseminations at 1-2% throughout remainder of unit :-unit at or near exhalative surface	Smpi Smpi 6 Smpi Smpi Smpi Assays:	340019 340020 340021 340022 340023 340024 340019 - 0.	From(m 96.61 98 101.59 109.18 122.79 124.38 38% Cu	To(m) 98 99.21 102.41 110.12 123.56 125.27	IntrvI(m) 1.39 1.21 0.8 0.9 0.8 0.9	2u(ppm) 3630 396 555 282 512 831	Zn(ppm) / 192 174 724 50 80 56	▲g(ppm) ▲ 1.2 0.4 0.4 0.2 0.2 0.2 0.2	и(ррb 40 20 30 35 15 45
From (m) 128.27 Rack Unit 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	StructFoln; Mineral'n; Remarks:	-upper contact apparently sheared, but masked by barren late qtz- carbonate veining PrimyBed DbsKey: -locally up to 3-5% brassy blebby py	Smpl Smpl 7 Smpl Smpl Smpl Assays:		From(m 7	o(m) Ir	ıtr√l(m) C	2 10 10 10 10 10 10 10 10 10 10 10 10 10	n(ppm) A	g(ppm) Au	(ррь

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To (m) 136.20 Rock Unit: Rhyolite ash. argillaceous and cherty - To (m) 148.13 1DT.Cy 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 of between 145 8-146 13m StructFoln: 60 PrimryBed DbsKay: Mineral'n: -rare minor blebs and disseminations of py-po Remarks:	at 80' Smpl Smpl 8 Smpl 5mpl Smpl Smpl Assays:	From(m Ta(m) intrvi(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
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 vainlets in zones up to 30cm wide, locally silicified matrix with blebby contact SX	Structure: weakly foliated, and locally moderately sheared in veining zones StructFoin: PrimryBed DbsKey: Minerel'n: -blebby py up to 3-5% and trichalcopy along vein contacts Remarks: E.O.H @ 199.84	Smpl Smpl 340025 Smpl 340026 9 Smpl Smpl Smpl Assays:	From(m To(m) Intrv1(m) 159.65 160.5 0.8 192.31 193.1 0.8	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb 1035 66 0.1 10 389 64 0.6 40

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DDH No: 9802	Grid Azimuth:	198 Ca	ollar True Azimı	nth: 226	Acid Test Dips:	-67 At(m) 180	.44 Co	re size. N	10 0	core storag	e: Lara pi	ortal site		Logged by	/ J.A. Richa	ırd	
Claim #: Silver 2	Grid Easting:	-9435	Coller D	ip: -70	Acid Test Dips:	Al(m)	Cas	i ng (m): 1	8.9	HoleSta	rt	10/16/98		ć. Ka			
NTS Ref: 92 B/13	Grid Northing:	10339	Elev (r	n): 689	Aud resculps.	Adm)	Cas	ing left: n	0	HoleFinis)	n:	10/18/98		Final Depth	18/	0.44	
	Collar UTM	 	Targ	et Easteri	ly down-plunge exte	nsion of Abermin ho	ole 86-85 mine	eralization	n (eastern	limit of Cor	onation E	xtension)) - collare	d 2m EofAl	bermin holə	87-152	
From (m) 18.90 Rock Unit	Andesite crystal tuft - 3XT		Structure	-weakly fo	pliated at 35°			**************************************			From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm) A	Ag(ppm)	Au(ppb
To (m) 28.72			en e						Smpl								
Lithology: d.greenish grey, v.ff.g	rained and equigranular, m	oderately chloritiz	ed			•			Smpl								
matrix and tr.saussurite underlying unit	e (after plag), conformable g	radational contact	t to StructEnter		25 During Dig at		Dhaka		Smpl	340001	24.8	25.83	1.03	530	72	0.1	4
			aruarun.		35 Primiyoed		Dioskey	y. 1	Smpl	340002	27.12	28.12	1	36	28	0.1	4
			Mineral'n:	-<1% per mineralize	vasive disseminate ed foliation łaminae	d po-py euhedra an	id blebs , occ	:"	Smpl								
								-	Smpl					1. 1			
								**	Assays:	-Au values	returned	from lab	as <5ppb	read in this	log as 4ppł	b	
			Hemarks							-Ag values	returned	from lab	es <0.2pp	m read in th	nis log as 0.1	ippm	
			n na star Start start											N.			
From (m) 28.72 Rock Unit	Rhyo-dacite ash tuff - 10"	l'	Structure	-weakly fo	liated at 35*						From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm) A	\g(ppm)	Ац(ррь
To (m). 49.40				-subtie tex	durāl bondings over	022.5m thick			Smpl								
Lithology: med-pale greenish gre	ey, v.f.grained to aphanitic a	nd equigranular,	2 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -						Smpl								
siliceous matrix, v.few o ash hends and leminar	coarser grains/frags, some r e. conformable	minor coarser lapi	illi- OlmuntEntru				D , H		Smpl								
			STUCT OIN:		35 PrimryBed		Ubskey	r. 2	Smpl								
-@37.4-39.95m, andes atz veinlets, locally ecit	ite tuff band, as above unit v dotized patches to 1 cm. con	with variable mino viormable upper	Mineral'n:	-1-3% diss	seminated py-po, so	me mineralized folia	ation laminae	ł	Smpl					19 19			
and lower contacts	······································								Smpl								
	1								Assays:								
			Remarks						•								
														2 • A 4			
From (m) 49.40 Rock Unit:	Diorite - 6		Structure:	-massive	matrix fabric						From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm) A	vg(ppm)	Au(ppb
To (m): 51.40				-sharp upp	per and lower intrusion	ve contacts			Smpl		·						
Lithology, d. emerald greenish, v.	f grained and equigranular i	matrix, very soft ar	nd						Smpl					122			
chloritized		-							Smpl					at j L			
			StructFoin;		PrimryBed		DbsKey	: 3	Smpl					ай. И с.			
			Mineral'n:	-trace diss	eminated py euhed	re, 3-5%py-po in co	arser scatter	ed	Smpl		·					,	
				01202					Smpl								
									Assavs					e in Alfred State			
			Remarks											14 - 14 -			

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From (m) 51.40 Rock Unit: Rhyolite ash tuff - 1DT	ucture: -v.weakly foliated, texturally and mineralogically banded	From(m Ta(m) intrvi(m) Outppm) Zn(ppm) Ag(ppm) Au(ppb
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 silicitied haloes up to 5cm and local fracture flooding -rapid conformable gradation to unit below.	Smpl Smpl Smpl 340i dFoln: PrimryBed DbsKey: 4 smpl eraf'n: 1-3% disseminated po-py in matrix, locally blebby along vein contacts Smpl Smpl Assays: marks:-sequence of vague textural bandings suggest fining downhole,)03 55.76 56.24 0.48 46 32 0.1 4
From (m) 60.05 Rock Unit. Andesite crystal tuff - 3XT To (m): 66.80 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!	ucture: -weakly foliated smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl Smpl	From(m To(m) Intrvl(m) Cutepm) Zn(ppm) Ag(ppm) Au(ppb 104 66.5 67.6 1.01 22 40 0.1 4
From (m) 66.80 Rock Unit Rhyolite ash tuff - 1DT To (m) 74.90 Lithology: whitish to I grey. vf.grained and equigranular, to aphanitic, very siliceous matrix, minor qtz veinlets, conformably grades quickly tol	ucture: -weakly foliated Smpl Smpl #Foln: PrimryBed DbsKey: 6 Smpl -minor disseminated po-py, locally 1-3% along foliations and blebby Smpl vein/fracture fills Smpl marks:	From(m Ta(m) IntrvI(m) Cutapm) Zn(ppm) Ag(ppm) Au(ppb
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From (m) 74.90 Rock Unit. Andesite lapilli-ash tuff - 3LaDT To (m): 98.50	Structure: -coarse textural banding and fining downhole	. .	From(m To(m) intrvi(m)	Cu(ppm)	Zn(ppm) Ag(ppm) Au(ppb
Lithology. d greenish grey, f.grained chloritic matrix bearing epidotized and saussuritized felds and andesite fragments to 1 cm -@85 8-98.5m, numerous but minor i greenish-grey rhyodacitic ash tuff bands up to 20cm thick, conformable within enclosing andesitic volcaniclastics, sharp but conformable gradation intol	StructFoln: PrimryBed DbsKey: •@93.9-94.47m. blebby dissemination bands of SMMX up to 25% locally along toliation planes, laminae up to 3cm thick Remarks:	Smpi Smpi 34 7 Smpi Smpi Smpi Asseys:	10005 93.9 <u>9</u>	34.7 0.8	20 20 20 20 20 20 20 20 20 20 20 20 20 2	34 0.1 4
From (m) 98.50 Rock Unit: Rhyolite ash tuff -1DT To (m) 100.50 Lithology: whitish to I grey: vf.grained to aphanitic siliceous-sericitic matrix, rare qtz grains to 2mm	Structure: -weakly foliated -lower contact sheared over 2cm StructFoln: PrimtyBed DbsKey: -frace only disseminated po-py Remarks:	Smpi Smpi 8 Smpi 8 Smpi Smpi Smpi Assays	From(m To(r	n) IntrvI(m)		Zn(ppm) Ag(ppm) Au(ppb
From (m) 100.50 Rock Unit Diorite - 6 To (m) 102.20 Lithology: d greenish. v1 grained and v.chloritic equigranular matrix, trace saussurite blebs (after plag). -@100.5m contact, 4cm qtz vein along contact, local qtz flooding/silicification	Structure: -weakly shear foliated matrix -sharp intrusive lower contact, upper contact obscured by qtz flood StructFoln: PrimryBed DbsKey: Mineral'n: -1-3% blebby py along vein contact Remarks:	Smpl Smpl ⁹ Smpl Smpl Smpl Assays:	From(m To(n	n) intrv1(m)	Cu(ppm)	Zn(ppm) Ag(ppm) Au(ppb

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From (m) 102.20 Rock Unit. Rhyolite ash tuff - 1DT To (m) 105.77	Structure	9: -weakly foilated			Simpl		From(m	To(m)	int√i(m)	Cu(p	om) Zn(pp	n) Ag	(ppm) A	4u(ppb
Litt*5logycontinued from above unit 98 5-100 5m - fine rhyolite ash	StructFolm Mineral'n	: PrimryBad -trace only disseminated po-py	DbsKey.	10	Smpl Smpl Smpl Smpl Smpl Smpl					· · · · · · · · · · · · · · · · · · ·				
From (m) 105.77 Rock Unit Diorite - 6 To (m) 108.80 Lithology: as in above unit at 100:5-102.2m	Structure StructFoln: Mineral'n: Remarks	s. sharp intrusive upper and lower contacts PrimtyBed -trace po-py disseminated	DbsKey:	 11	Smpl Simpl Smpl Smpl Smpl Smpl Ass ays :		From(m	To(m)	int∿l(m)		om) Zn(ppr	1) Ag ((ppm) A	w(ppb
From (m) 100.80 Rock Unit Rhyolite lapili/ash tuff -1LeDT To (m) 155.25 Interval and the second seco	StructFoln: Mineral'n: Remarks	massive, non-foliated to weakly foliated -@113.62-115m, major fault/shearing at 40°, internal veining: -@115-136m, numerous variable shear slip shear foliated at 126-138m PrimryBed -<1% po-py disseminated throughout -@113.08-113.62m, several SMAX bands to 1cm et -@113.08+113.62m, several SMAX bands to 1cm et -@113.08+113.02m, several SMAX bands to 1cm et -@113.02m, several SMAX bands to 1cm et -@113.02m, several SMAX bands to 1cm et -@113.02m, s	brecciation an ps and modere DbsKey: ach. 25% local em in matrix stic sequence	d qtz tely 12	Smpl Smpl Smpl Smpl Smpl Smpl	340006 340007	From/m 113.08 114.86	To(m) 113.62 115.5	int∿l(m) 0.54 0.6	Cu(pr	m) Zn(ppn 13 7 25 4) Ag(ppm) A 0.1 0.2	4 5 3

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From (m) 155.25 Rock Unit. Sediments, brecciated argillite -5bx To (m): 170.60	Structure:	; -contorted, brecciated bedding			- .	From(m To(m) Intrv1(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: blackish, well laminated, aphanitic cherty argilite and argillite, strongly contorted bedding - brecciated, pervasive variable qtz veining, fining downhole -rapid gradation to underlying unit!	StructFoin: Mineral'n:	PrimryBed I -minor po-py laminar disseminations conformable to be locally	D bsKøy : edding, <1%	14	Smpl Smpl Smpl Smpl Smpl Smpl		
	Remarks:	-tining down volcaniclastic sequence-overturned, unit at exhalative surface	Vor close to	Å	\ss ays :		
From (m) 170.60 Rock Unit. Rhyolite lithic tuff - 1LT To (m) 180.44	Structure	-coarse textural bandings, weakly foliated overall			Smal	From(m To(m) intrvi(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: pale greenish grey, v.fmed grained, poorly sorted siliceous and sericitic matrix, containing 10% irregular cherty tuff and qtz tragments, minor carbonaceous/argillaceous interstitial wisps and few laminae to 0.25cm -@178.3-180.44m, chert and argillite frags sheared	StructFoln: Minerel'n:	PrimryBed D -trace only po-py blebs)bsKey:	15	Smpl Smpl Smpl Smpl Smpl		
	Remarks: E	E.O.H. 180.44m		A	ssays:		

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DDH No: 9803 Claim #. Silver 2 NTS Ref: 92 B/13	Grid Azimuth: 180 (Grid Easting: -9558 Grid Northing: 10309 Collar UTM	Collar True Azim Collar I Collar I Elev (Tan	uth: 208 Dip: -45 m): 670 get: Up-plun	Acid Test Dips: Acid Test Dips: Acid Test Dips: Acid Test Dips: ge confirmation of A	adia -42 At(m) 93 At(m) At(m) bermin hole 86-85	27 Corr Casil Casil mineralization	e size: NQ ng (m): 49.9 ng left: no (eastern limi	Core stora HoleSte HoleFinis ts of Coronatin	ge:Lara.port ant 10 h: 10 Extension)-c	tal site)/18/98)/19/96 collared on roes	Logged by J. Finel Depth	A. Richard 117.65 min bole 87-114	
From (m) 49.92 Rock Unit Da To (m) 59.95 Lithology: med.greenish grey: v.f.4.gr matrix, qtz microveined an -@51 4m, 2cm barren qtz v -@58-58 7m, undeformed I -@58-58 7m, undeformed I From (m) 59.95 Rock Unit Sec To (m) 62.52 Lithology: -@59.95-60.15m, Argillite, b aphenitic carbonaceous/tut -@60.15-60.04m, greyish, a 60.4-62.52m, dacite tuff as a	cite tuff - 2T ained and equigranular, slightly chloritic d crackle brecc'd throughout locally silic ein at 45° to CA ate stage qtz veinlets within shear timents - 5Cy lack, well laminated at 45°, v.f.grained to faceous sediment, conformable contact phanitic siliceous matrix, laminated chert bove	Structure fied StructFolm Mineral'n Structure StructFolm Mineral'n Remarks	-trace po-py -trace po-py -trace po-py	mod. foliated at 40°, 2m, fault gouge/brec m. strongly sheared i \$ 59.6-59.95m, shear Ided kinks in core be 40 PrimryBed ically along vein con n, up to 1% blebby p ar contact (see abov ir contact at 62.5m to PrimryBed y along tamination planing ting down volcanose	hairline shears th cicia zone at 40° to at 80°, breck d in te and fault gouge zo elow 51 m tacts y along qtz vein co e) 45° to C.A. 45 anes	oughout CA sist20cm one et 85° to C DbsKey. DbsKey. DbsKey.	A E 1 S S Ass Ass S S S S S S S S S S S S S S	Smpl Smpl Smpl Smpl mpl ays:-Au values -Ag values mpl mpl mpl mpl mpl	From(m T s returned fro s returned fro From(m To	a(m) Intrvl(m) m lab as <5ppt m lab as <0.2p n(m) Intrvl(m)	Cu(ppm) Zn(es 4ppb sg as 0.1ppm ppm) Ag(ppm) /	Au(ppb
From (m) 62.52 Rock Unit: Dior To (m): 78.05 Dior Lithology: v dark greenish, f grained ar some feldspar phenocrysts thick -@62.52m, barren qtz vein 2 -@65.86-72.0m, massive, v.c saussuritzed feldspar pheno qtz-calcite veinlets	ite - 6 ad equigranular, chloritic matrix bearing up to 2-4mm, few qtz-calcite veinlets <1 cr cm thick within shear contact chloritic, soft matrix with 25% slightly as and minor magnetite clots, cut by a few	Structure: n StructFoln: , Mineral'n: Remarks;	weakly folic @76.46-77. 4 NVM to trac @76.46-77.2 oliation plan	ited (at 45") to massi 25m, strongly shear f 15 PrimryBed e py 25m, 1-3% honey coll es	ve oliated at 60° to C. Dred (sph?) minera	A DbsKey: al along shear	Sn Sn 3 Sn Sn Sn Assa	npi npi npi 340008 npi npi ys;	From(m To)	(m) Intrv1(m) 7.25 0.79	Culppm) Zn(p	pm) Ag(ppm) A 90 0.1	4u(ppb

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From (m) 78.05 Rock Unit Rhyolite ash tuff - 1DT To (m) 79.40 Lithology: whitish I grey. v.t grained siliceous matrix containing minor component of 3-5mm qtz grains, cataclastic shear fabric	Structure: StructFoln: Mineral'n:	-entire unit is moderately shear foliated at 90° to CA -@78.1m, shear over 10cm at 80° PrimryBed -trace py along foliation planes	DbsKey:	4	Smpl Smpi Smpi Smpi Smpi	From(m To(m) Intr∨i(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
	Dent				Smpl		•
	Hemarks;				∩33 0 y\$.		•
From (m) 79.40 Back Unit: Sediments- tuffaceous argillite -5arg To (m) 84.40 -5arg -5arg Lithology: blackish, v.f grained to aphanitic. well laminated carbonaceous 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-st.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., s brecciated argillite and tuff bands, also containing stro joudinaged qtz veins parallel to shearing numerous small scattered shear planes at 85° to C.A. PrimtyBed 40 minor (<1%) po-py disseminations and blebs along la	p brongly ongly DbsKey: amination planes	5 s	Smpl Smpl Smpl Smpl Smpl	From(m To(m) Intrvl(m)	Çu(ppm) Zn(ppm) Ag(ppm) Au(ppb
	Remarks:-s	significant variable tolding apparent in this unit		٨	ssays:		
From (m) 84.40 Rock Unit Diorite - 6 To (m) 90.70 Lithology: -as in above unit 62.52-78 05m, but non-porphytic; f.grained v.chloritic matrix, variably cut by fresh qtz-calcite veinlets up to 1 cm	Structure: -u st 85 -@	ipper contact sheared at 45° to C.A., cataclastic goug near foliation structure decreasing downhole to weakl Im; 206.1-86.25m, shear/chloritic fault gouge at 45°	e for 15cm, ly foliated by	·	Smpl Smpl	Fram(m To(m) intrvl(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
	StructFoin:	PrimryBed	DbsKey: 8	6	Smpl Smpl		
	Mineral'n:	ace only py euhedra			Smpt		
					Smpl		
	Remarks:			As	ssays:		

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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 CA. -sharp but apparently conformable to underlying unit	Smpl Smpl	From(m To(m) Intrv1(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
	StructFoln: 60 PrimryBed DbsKe Mineral'n:	ey: 7 Smpi Smpi Smpi Smpi Smpi		
From (m) 96.15 Rock Unit Diorite -6	Remarks;	Assays:		
To (m) 117.65 Lithology: med -d. greenish grey, f grained and equigranular mod.chloritic matrix, 10-20% feldspar phenocrysts up to 1 cm each	Structure: -massive -@112-113 5m, moderately contorted qtz-calcite veintets in shi foliated matrix -113.5-117.65m, unit is weakly foliated at 85° to C.A.	iear Smpl - Smpl	From(m To(m) intr∨l(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
-@113.5-114.81m & 116.06-116.70m, massive barren and undeformed late qtz veins, bluish grey and transluscent, ∨ chloritic contacts	StructFoln: PrimryBed DbsKey Mineral'n: ^{trace} py euhedra only	Smpl ry: 8 Smpl Smpl Smol		
	Remarks: E.O.H. @ 117.65m - target zones displaced by diorite intrusive	Assays: es		



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From (m) 37.46 Rock Unit: Andesite lithic tuff - 3LT To (m) 39.42 Lithology: -as above in andesite lithic tuff unit at 20.10-34.45m	Structure: -non-foliated, indistinct bedding StructFoln: PrimryBed Mineral'n: ^{-1-3%} disseminated blebby py, trace chalco Remarks:	DbsKey:	Smpi Smpi Smpi Smpi Smpi Smpi Asseys:	From(m To(m)	Intr√l(m)	Cu(ppm) Zn(ppm	1) Ag(ppm) Au(ppb
From (m) 39.42 Rock Unit: Rhyolite lapilli tuff - 1LaT To (m) 42.05 Lithology: whitish - I.grey. v.f grained qtz-sericite matrix with <10% qtz grains 2- 4mm: intensive barren qtz vein stockwork, fracture fill and local qtz flooding	Structure: StructFoln: PrimiyBed Mineral'n: ^{-trace} py Remarks:	DbsKey:	Smpl Smpl Smpi 5 Smpl Smpl Smpl Assays;	From(m Ta(m)	Intrvi(m)	Cu(ppm) Zn(ppm)	Ag(ppm) Au(ppb
From (m) 42.05 Rock Unit: Andesite lithic tuff - 3LT To (m) 62.23 Lithology. d.grey greenish, v.t. to f.grained matrix, chlorite-rich, minor saussuntized 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	Structure: non-foliated, crudely bedded StructFoln: PrimryBed -1-3% disseminated py-po, locally up to 5% with t contacts and along laminar disseminations Remarks:	DbsKey: race sph along vein	Smpi Smpi 340028 Smpi 340029 6 Smpi Smpi Smpi Assays:	From(m To(m) k 46.58 48.08 48.08 49.14	1.4 1.06	Cu(ppm) Zn(ppm) 82 42 121 176	Ag(ppm) Au(ppb 0.1 4 0.1 4

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Diamond Drill Hole 98-04

 From (m) 62.23 Rock Unit. Rhyplite lapilli-ash tuff, cherty -1LaTCy To (m): 86.70 Lithology: med -l.grey, 1 -√ 1 grained to aphanitic, siliceous and sericitic matrix, bearing 2-4mm qtz grains, progressively fining downhole with cherty tuff and tuffaceous chert bands/leminae -@70.5m-86.7m, several interbedded chlorite schist/sheared andesite tuff bands up to 40cm -@79.2m, 15cm band of well laminated argilite 	Structure: -major upper i foliation of ma StructFoln: Mineral'n: ^{-trace} po-py	contact fault/shear at 70° to C.A., then r trix to 80m PrimryBed	moderāte shear DbsKey.	Smpl Smpl Smpl 7 Smpl	From(m To(m) Intrv1(m)	Си(арт) Zn(ррт) Ag(арт) Au(ppb
-@/9.86-83m, pervasive late barren white qtz veining, undeformed -becoming argillaceous with discrete laminae at 85-86.7m -grades into lower unit!	Remarks:			Smpi Ass ays :		
From (m) 86.70 Rock Unit: Rhyolite ash tuff, cherty - 1DTCy To (m) 93.50 Lithology: med -I 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	Structure: weakly toliated StructFoln: Mineral'n: ^{-trace} po-py, loc Remarks:	PrimryBed cally up to 10% in disseminated band	DbsKøy: s	Smpl Smpl 3400 Smpl 8 Smpl Smpl Assays,	From(m To(m) IntrvI(m) 30 8834 8928 096	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb 18 176 0.2 10
From (m) 93.50 Rock Unit: Rhyolite QE tuff - 1QET To (m) 93.36 Lithology: med grey, 3-5mm qtz grains with mirror interstitial siliceous/sericitic matrix, monolithic dome	Structure: -weakly foliated StructFoln; Mineral'n: ^{NVM} Remarks: E.O.H. @ 99.36m	PrimryBed	DbsKey;	Smpl Smpl Smpl Smpl Smpl Smpl Assays:	From(m To(m) Intrv!(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

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Diamond Drill Hole 98-04

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DDH No: 9805 Grid Azimuth: 167 Col Claim #: Solly Grid Easting: -9907 NTS Ref: 92 B/13 Grid Northing: 10214	lar True Azimuth: 195 Acid Test Dips: -49 At(m) 120.7 Core size Collar Dip: -50 Acid Test Dips: At(m) Casing (m Acid Test Dips: At(m) Casing (m Elev (m): 657 Casing (m)	e: NQ Core storage: Lara portal site n): 34.1 HoleStart. 10/21/98	Logged by J.A. Richard
Collar UTM	Target: Eastern extension of auriferous MSSX in Abermin holes 85-40242	TC no HoleFinish: 10/22/98	Final Depth 120.7
From (m) 34.52 Rock Unit. Andesite lapilli/crystal tuff - 3LaT.XT To (m) 40.64 Andesite lapilli/crystal tuff - 3LaT.XT 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 qt2-carbonate verifiets creating localized stockworks with very chloritized contacts, also hematized along verification: unit shows fault contact to underlying unit From (m) 40.64 Rock Unit Rhyolite lapitli/QE crystal tuff - 1LaQET To (m)	Structure: weakly foliated; a tew scattered fault slips with up to 1 cm clayey breccia @ 65-70*; tower unit contact marked by 5cm fault breccia @ 50* StructFoin: 65 PrimryBed 25 DbsKey: Mineral'n: tr to 1% disseminated py along foliation planes, tr. sph locally Remarks: Structure: -pervasive moderate to strong shear foliation @ 35*, faults at 80* to C.A. with gouge breccia to 5cm at 39 67 & 40 2m	(Coronation Ext.Zone) - collered on road 30m E of h From(m To(m) Intrvl(m) Smpl Smpl Smpl 340069 34.82 35.74 0.92 1 Smpl Smpl Smpl Assays: -Au values returned from lab as <5ppb 1 -Ag values returned from lab as <0.2pp -Cu values returned from lab as >10000 From(m To(m) Intrvl(m)	Cib 85-42 Ou(ppm) Zn(ppm) Ag(ppm) Au(ppb 111 48 0.1 4 read in this log as 4ppb m read in this log as 0 1ppm ppm read in this log as 10001 Cru(ppm) Zn(ppm) Ag(ppm) Au(opb
ithology: Lgrey, figrained siliceous lapilli-ash matrix containing 20-30% weakly stretched qt 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.	StructFolm: 35 PrimryBed DbsKey: 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	Smpi Smpi 340070 44.71 45.71 1 Smpi ² Smpi Smpi Smpi	5 14 0.1 4
From (m) 45.71 Rock Unit: Andesite lepilli tuff - 3LaT To (m): 60.70	Structure: -moderately foliated: @ 47.0-47.91m - major fault zone at 10-20* to C.A., showing strong brecc'n of strong chlor'd metrix. & stretch/brecc'n of extensive internal qtz verining: 47.91-50.1m - lower fault contact showing sheared qtz stockwork @ 25°, 54.66-55.26m -fault breccia as above: unit sheared 50.51-60.7m @ 45* StructFoln: 35 91 -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) (Smpl Smpl 340071 51.21 52.15 0.94 Smpl 340072 54 54.69 0.69 Smpl Smpl Smpl Smpl Assays:	2u(ppm) Zn(ppm) Ag(ppm) Au(ppb 37 42 0.1 4 78 52 0.1 4

From (m) 60.70 Rock Unit: Rhyolite lithic tuff - 1LT To (m) 81.00 Rhyolite lithic tuff - 1LT Lithology Lwhitish-grey, rhyo lapilli fragments to 2 cm in t grained qtz-sericite matrix, few chlorite-rich bandings and stretched andesric 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 arg/laceous bandings at 45";	Structure StructFoln: Mineral'n:	-strong-v.strongly shear foliated 40° to C.A.; intense Z-tolding throughout core; 74.8-76.58m -fault at 20° with brecciated QE in seri gouge matrix, NVM, 40 PrimyBed DbsKey: -trace only py-po along foliation planes - 3-5% py-po along foliation planes	icitic 4	Smp Smp Smp Smp Smp	i 34007 	From(3 77 5	m To(m) 2 78.2) Intrv1(m 9 0.77	Cu(ppn	i) Zn(ppm 1 1520	Ag(ppm 2 2) Au(ppb 410
69.16-69.4m; white 'bull' qtz vein at 75° to C.A. 78 28-78 56m, -vein as above, shear brecc'd	Remarks:			Smpl Assays								
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 greins: argillaceous parting and thin laminae commence at 87m;	Structure: StructFohr; Mineral'n;	weak to moderately foliated at 45° to C.A.; 98.34-98.55m; intensely shear brecc'd at 65° to C.A.; showing fine qt ladder patterned' veinlets 45 PrimyBed DbsKay; dissemination bands of SMMX (up to 30% locally) py-po with tr. halcopy at 87.0-87.5m; 88.25-87.6m; 89.84-90.22m; 93.3-93.51m	tz - 5	Smpl Smpl Smpl Smpl Smpl Smpl	340074 340075 340076 340077	From(r 88.33 89.35 90.22 93.27	To(m) 89.35 90.22 90.97 94.18	Intrv1(m) 1.02 0.87 0.75 0.91	Cu(ppm) 29 12 18 202	Zn(ppm) 66 40 150 188	Ag(ppm) 0.1 0.4 3.4 12.6	Au(ppb 20 30 115 120
	Remarks:-	close to exhalative surface	1	Assays:					• • • • •			
Trum (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 it, chalco, sub-unit is pervasively cut by fine qtz-carbonate veinlets, variably priented	Structure: -r -1 rt StructFoln: Mineral'n: wi et et et Remarks: -m	Assive to v. weakly foliated 02.68-102.92m; sheared and brecc'd, lithic fragments of cherty yolite ash and argiflaceous tuff in muddy matrix (auto-breccia?) PrimtyBed 65 DbsKey: 98.55-104.65m; repeated 2-4cm massive bands of py-chalco-sph h <1% galena 9799.95m; 3-5% chalcopy/py in blebby laminar disseminations 102.68-102.92m; 5-7% py and sph disseminated in fault breccia ineralized exhalative horizons	δ	Smpl Smpl Smpl Smpl Smpl Ssays: 34 34	340078 340079 340080 340081 340082 0078: Au 0079: Au	From(m 98.44 99.3 100 24 101.35 102 =1.54 g/t -1.23 g/t	To(m) 993 100.24 101.35 102 102.98 Ag=138 Cu=0.542	Intrvf(m) 0.86 0.94 1.11 0.6 0.98 g/t Cu=0 ; 6: Zn=5 12	Cu(ppm) 5310 4760 6420 1520 3970 ************************************	Zn(ppm) 10001 10001 5270 10001 10001 %: Zn=9.1 Au=1.23	Ag(ppm) / 101 36.4 18.4 17.6 21.2 %	Au(ppb 1320 1640 1180 665 370

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From (m) 109.52 Rock Unit Rhyolite qtz-eye luff - 1QET To (m) 120.70	Structure: -massive to v.v -119.7-119.84m	weakly foliated unit); fault gouge at 50° to C.A.				From(m To(m) intrvl(m)	Cu(ppm) Zn(ppr	n) Aq(ppm) Au(ppb
Lithology 20% atz eyes 1-5mm in pale greenish grey, v.f grained atz-sericite				Smpl				
unit is distinctly hedded and tings down it.					Smpl			
- 114 6-115.2m; and esitic tuff interbandings with tripy	StructFoln:	PrimryBed	DbsKev	7	Smpl			
				'	Smpl			
	Mineral'n:				Smpl			
					Smpl			
	Remarks:-unit fining down -E.0 H @ 120.7r	hole (overturned?) m		A	88 8ys :			
	an an ann an Anna an An		_					2



(DDU No.		South Vancouver	sland. B.C., Can	ada									
DDH No: 1 9806 Claim #: Solly NTS Ref: 92 B/13	Grid Azimuth: 178 Co Grid Easting: -10080 Grid Northing: 10170 Collar UTM	llar True Azimuth: 20 Collar Dip: -4 Elev (m): 651 Target Up-pi	Acid Test Dips:	-43 At(m) 1(At(m) At(m) y of auriterous MS	08.5 C C SSX in Aber	Core size: NQ Casing (m): 17.0 Casing left: no min hole 85-44 //	Core stora HoleSt HoleFinis	ige: Lara pi art sh:	ortal site 10/23/98 10/24/98	Logged b Final Depth	y J.A. Richard	d 3.5 ·	
From (m) 17.00 Rock Unit: Rhy To (m) 31.00 Lithology: med grey crystal tuff, f.grain matrix, some thin cherty bar local at z vening	volite crystal tuff - 1XT ied and equigranular, transluscent siliceous ndings, rare fine disseminated SX laminae	Structure: -modera -discrete	tely shear-foliated at 5(thin clayey shear @ 1:	0° to 20.5m; 9.5m		S	mpi mpi	From(m	To(m) Intrvi(m	Abernin hole	85-47 Zn(ppm) Ag	(ppm) AL	ı(ppb
-@ 19.5 and 26.5m; qtz vein epidotization up to 30cm wid -gradation into unit below	ing and silica flooding and contact de	StructFoln: Mineral'n: ^{-@} 23.72 2cm thick	PrimryBed and 27.5m; several MS and minor laminae ov	SSX laminae of f.c er 0.5-1 m of core	DbsK grained py-j	ey: 1 Si poupto Si Si	mpi mpi mpi mpi			5 			
From (m) 31.00 Rock Unit Rhy	olite QE and cherty lapilli tuff -	Remarks: Structure: -@ 39.0-3	3.6m: strongly sheared	argillaceous tuff a	et60°toCA	Asse	iys:-Au values -Ag values	s returned tr s returned fr	om lab as <5pp om lab as <0.2p	b read in this I opm read in thi	og as 4ppb s log as 0.1p	pm	
Lithology: as above unit now with 5% of laminae and cherty laminae, variably cut by qtz veining ar -@38 7-39.0m; late undeform -@39 6-40 5m; major cherty ti equal cherty and argillaceou -@52.23-52.64m; late qtz vein -@56 7-57.3m; qtz vein with cu 5% locally	It eyes, numerous argillaceous partings/ with increasing frequency downhole ; id shears as noted; ed qtz vein with 5% blebby py uif band and minor py partings, grading to is bandings from 40.5-42.5m), tr py ontact py-po in blebs and stringers up to	-@40.5-42 -@48.0-50 -@52.64: -@59.0-59 StructFoln: -@34.4-35 dissem.py	5m: strongly sheared 5m: major fault gouge harp slip fault at 45 to (5m: slip shear at 90 * & 55 PrimryBed 0m and 37 0-37.3m; nu -po up to 2cm thick, few	at 60-60° to CA breccia/qtz veinir CA fold nose axis at : merous MSSX lan v stringers, locally	ng at 0-5° to 90° in tuff.ch DbsKe minae of fine (10% py-po	C.A. Srr Hent Srr Y [.] 2 Srr B D, Tr.cp Srr Srr Srr Srr	npl 120041 121 340042 121 340042 121 91 121 91	From(m 7 34.38 38.8	io(m) IntrvI(m) 35.17 0.79 39.96 1.16	Cu(ppm) 2 15 28	n(ppm) Ag(6 50	ppm) Au(0.1 0.2	ppb 10 35
-@61.58-61 76m; black argilly From (m) 68.20 Rock Unit: Dacity To (m): 89.60	te band at 50°, cut by thin qtz veinlets e-andesite ash tuff - 2DT	Remarks: -apparently Structure: -weak to m -@71.34-71	r fining downhole, sugg ad foliation at 45° to C.4 52m; fault/anung brog	jesting on overtur	ned sequer	Assey nce	rs: 	rem(m To	(m) introd(m)	Culorma) 7			-
thology med greenish grey, v.f.grainer 40% saussuritized porphytic (-@74.3-74.7m, 75.35-75.7m, f pinkish-white, aphanitic qtz/ple metasomatized contact haloe -@81.0-83.0m, numerous late tr only py-pp -@88.0-89.6m, very cherty tulf, -conformable sharp contact to	d siliceous matrix with chlorite and 20- plagic up to 4mm, 30.16-80.31m, 86.14-86.7m; late stage ag-phyric veins with indistinct s. minor py qtz veinlets with chloritized contacts, massive unit below.	StructFoln: Mineral'n: ^{1-3%} py elo	45 PrimryBed	cia at 45° to C.A.	DbsKey	Smr Smr 3 Smr Smp Smp Smp	, al d d i → t		<u>τ</u>		k(ppm) Ag(p	pm) Au(p	рb .
		Remarks:				Assays	:			11 1			

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

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From (m) 89.60 Rock Unit: Rhyolite crystal ash tuff - 1XT,DT To (m) 101.10	Structure: weakly foliated at 40 ' to CA	From(m Ta(m) Introl(m)	
Lithology: -as above unit: med. grey, t~1 grained and equigranular siliceous matrix	Si S	mpi mpi	- were supplied without without
· .	StructFoln: 40 PrimryBed DbsKey: 4 Mineral'n: ^{-rare} py-po laminations along foliation planes Sn	mpi mpi mpi	
	Srr Remarka: Asso	npl xys:	
From (m) 101.10 Rock Unit: Diorite - 6- To (m) 108.51	Structure: massive	From(m To(m) intrv1(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lindiogy. a greenish, med grained and equigranular but figrained along intrusive chill margins, vichloritized matrix, 30% saussauritized plagio phenocrysts to 3-4mm	StructFoln; PrimryBed DbsKey; 5	μη ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιατουργοτού ματολογιστουργοτού ματολογιστουργοτού ματολογιστουργοτού ματολογιστουργοτού ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιστου ματολογιο ματολογιστου μιστο μιστοργιου μιστο μιστοργιστου μιστο μι	
	Mineral'n: Smp Smp	Pi and an and a second se	
	Remarks: -E.O.H. @ 108.51		te e e e e e

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DDH No: 9807 Grid Azimuth: 180 Coll Claim #: Solly Grid Easting: -9700 NTS Ref. 92 B/13 Grid Northing: 10372 Collar UTM	ar True Azimuth: 208 Acid Test Dips: -58.5 At(m) 178.6 Core sin Acid Test Dips: At(m) Casing (Acid Test Dips: At(m) Casing (Elev (m): 695 Casing In Target: Easterly down-plunge extension of auriferous MSSX in Abermin	ize: NO Core storage: Lara portal site Logged by J.A. Richard (m): 6.4 HoleStart: 10/24/98 left: no HoleFinish: 10/25/98 Final Depth 178.6 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	Structure: moderately foliated or bedded at 60°	From(m To(m) Intrvl(m) CJ(ppm) Zn(ppm) Ag(ppm) Au(ppb)
		Smpl
Linelogy: pale greenish grey, v.fine-aphanitic siliceous matrix dominant, <5% qtz grains, numerous conformable cherty tuff bands, including some		Smpl
discrete chert lenses up to 1cm, minor py-po disseminations to 1-3%	StructFoln: Primt/Bed	Smp
		Smpl
· 注意:	Mineral'a:	
u men no la film no la seculario An film (μ μ μ μ		Smpl
	Rémerks:	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 Bock Unit Dionite - 5		가 있는 것같다. 요즘은 전 100년 일일 같이 같은 일찍 것이라는 것이다. 것이 가지는 것이 것이 같이 말을 것으로 했다.
To (m) 24.50	Suddine, massive to weakly foliated	From(m To(m) Intrvl(m) Q.(ppm) Zn(ppm) Ag(ppm) Au(ppb
inclose dark greenish (grained and equiparatile and the second		Smpl
of unit bearing 25-30% plagio phenos, minor calcite, dissolved in		Smpl
2.2.2.1 sections creating vuggy appearance; no sharp contacts noted	StructFoln: PrimryBed DbsKey:	2 Sector Smpl
	-up to 10% disseminated py throughout matrix	Single States and States
		n an Smp i (1), si an
	n a se la magné de la seconde desta de la desta de la la la la la companya de la seconda de la seconda de la se El Republica	HERE ASSOVE:
		 たらない たらない たい たい
From (m) 24.50 Rack Unit: Rhyolite crystal ash tuff - 1CT.DT	Structure: -relatively undeformed primery bedding	
To (m): 35.30	-@28.6-28.9m: fault and gouge breccia at 5' to C.A.	From(m io(m) Intrv/(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
ithology: pale greenish grey, 50% fine gtz grains in v1. gtz sericite matrix with		
minor chloritic wisps, well bedded to 70°, minor cherty ash bands		n en ompinente en
-@28.5m; deformed qtz vein to 10cm thick at 5* to C.A. forming upper	StructFoln PrimryBed 70 DbsKey:	3 Smol
-@34.0-35.3m; well laminated, cherty atz sericite schist (ash trif) with	Mineral'n: minor disseminated py-po to 1% throughout unit. occ'l dissemination	n in a state of the state of th
minor chlorite wisps, bearing SMMX laminae (py-po & tr.chalcopy) up	-@34.0-35.0m; SMMX laminae (py-po & tr.chalcopy) up to 0.5cm.	Senter transmission of the sentence of the sen
	an a	(b) An and the second s
	Remarks	Coveyu,
AND THE REPORT OF A DECEMBER OF		

Diamond Drill Hole 98-07

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From (m) 35.30 Rock Unit. Andesite tuff - 3T To (m) 38.00 Lithology: dark greenish grey. vf grained chlorite-sericite schist contorted qtz veinlets within unit conformable quick gradation into lower unit.	Structurn StructFolr Mineral'n Remark	a: -v strong, variably contorted toliation : PrimryBed NVM	DbsKøy:	4	Smpi Smpi Smpi Smpi Smpi Smpi		From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Αυ(ρρb
From (m) 38.00 Rock Unit: Rhyolite ash tuff (qtz ser.schist) - 1DT To (m) 53.80 State of the series	Structure StructFoln: Mineral'n: Remarks	-strongly foliated at 25° to C.A., to 44m 25 PrimryBed -generally up to 1% disseminated py-po throughout me to 5% in crystal tuff laminae -@44 4m; qtz-carb vein with blebby py-po to 3%, with tr -@52-53.8m; thinly laminated py-po to 5% locally with tr	DbsKey; atrix localfy up sph chalcopy	5	Smpl Smpl Smpl Smpl Smpl Smpl	340031 340032	From(m 47.55 51.7	To(m) 48.72 53.13	intrvi(m) 1.17 1.43	Cu(ppm) 406 116	Zn(ppm) . 122 44	Ag(ppm) / 02 04	Au(ppb 45 85
From (m) 53.80 Rock Unit Andesite tuff - 3T To (m) 102.20 Intervention Intervention 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 -@101 0-101.2m; qtz vein, barren	StructFoln: StructFoln: Mineral'n: Remarks:	weakly to locally moderate Ioliation -@100-102 2m, mod strong foliation at 20' PrimryBed 65 [-localized fine disseminated py-po laminae to 1-5%, pic disseminations throughout unit -@74 4-75 0m, multiple thin SMMX-MSSX laminae, 25-50 with minor chalcopy and tr.sph	DbsKey: us variable)% fine py-po	6 A:	Smpi Smpi Smpi Smpi Smpi Smpi	340039 340040 340033 340034 340035 10033=0.5	From(m 73.32 74.46 80.55 84.69 87.28 87.28	To(m) 74.46 75.22 81.39 85.92 87.98	Intrvl(m) 1.14 0.76 0.84 1.23 0.7 36%Cu;	Cu(ppm) Z 401 3440 5280 2780 916	in(ppm) A 230 176 184 212 156	vg(ppm) A 0.6 1.8 1.4 0.8 0.4	4u(ppb 50 140 20 30 4

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From (m) 102.20 Rock Unit Sediments-tuffaceous chert and ironstone - To (m) 105.90 5	Structure: -well laminated	Smal	From(rn To(m) Intrvl(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: -@102 2-104.55m, blackish d.green silicaous 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 Mineral ⁴ n: ^{-minor} disseminated fine py-po laminae	Smpi Smpi DbsKey: 7 Smpi Smpi Smpi Assays:		
From (m) 105.90 Rock Unit To (m) 110.26 Lithology: Lgrey, whitish qtz frags up to 3cm, generally 3-4mm in v1grained- aphanitic siliceous matrix, well bedded at 20*	Structure: -primary bedding at 20* StructFoln: PrimryBed 20 Mineral'n: ^{-trace only} disseminated py-po Remarks:	Smpl Smpl DbsKey: 8 Smpl Smpl Smpl Assays:	From(m To(m) Intrvi(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 110.26 Rock Unit Diorite - 6 To (m) 118.30 Lithology: d greenish. felty chloritized f.grained matrix with access.magnetite and calcite, 30-40% saussuritized plagio pheno porphry, minor qtz-calcite veinlets	Structure: -massive to weakly foliated StructFoln: PrimryBed Mineral'n: -1% disseminated py Remarks:	Smpl Smpl DbsKey: 9 Smpl Smpl Smpl Assays:	From(m To(m) Intrv1(m)	Cư(ppm) Zn(ppm) Ag(ppm) Au(ppb

Diamond Drill Hole 98-07

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From (m) 118.30 Rock Unit Rhyolite QE lapilli tuff - 1QELa DT To (m) 137.85	Structure: -moderately foliated at 20* -@134.14m, fault/gouge breccia over 10cm, at 60* to C.A. Smpl	From(m To(m) IntrvI(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: whitish to pale greenish grey. 10-20% qtz grains in v f.grained qtz- sericite matrix (qtz-sericite schist). Iocalized 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, silicitied contacts haloes, local blebby py-po & tr. chalcopy -@130-135m; good bluish transluscent qtz eyes to 5mm	StructFoln: 20 PrimryBed DbsKey: 10 Smpl 340036 Mineral*n: -generally 1-3% disseminated py-po, and in thin laminae, tr.chalcopy: Smpl Smpl Mineral*n: -generally 1-3% disseminated py-po, and in thin laminae, tr.chalcopy: Smpl Mineral*n: -generally 1-3% disseminated py-po, and in thin laminae, tr.chalcopy: Smpl Remarks: Assays	5 122.2 123.37 1.2 7 132.32 133.7 1.4	17 24 0.1 4 50 48 0.1 4
From (m) 137.85 Rock Unit: Andesite lapilli tuff, argillaceous - 3LaT To (m) 178.61 Interferminated bands up to 0.5m of I.grayish rhyolite QE (<10%) tuff, plagio porphytic below 144m (up to 30%), epidotization alt'n.	Structure: -well bedded at 45-50* Smpl -weak shear foliation overprint at 30° below 144m Smpl StructFoln: 30 PrimryBed 45 DbsKey: 11 StructFoln: 30 PrimryBed 45 DbsKey: 11 -disseminated 'streaky' fine py-po throughout locally 1-3% in laminae, up to 5% coarse blebbing along vein contacts, tr.chalcopy Smpl Smpl -@143.4-143.73m; SMMX (py-po) laminations up to 2-3cm Smpl Smpl Remarks: E.O.H. 178.61m Assays:	From(m To(m) intrvl(m) 141.5 142.5 1	Cù(ppm) Zn(ppm) Ag(ppm) Au(ppb 33 40 0.1 4

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

{DDH No: 9808 Claim #: Solly NTS Ref: 92 B/13	Grid Azimuth: 185 Cc Grid Easting: -10233 Grid Northing: 10235 Collar UTM	ollar True Azimuth: 213 Collar Dip: -82 Elev (m): 644 Target: Extensio	Acid Test Dips: -80.5 At(m) 1 Acid Test Dips: At(m) Acid Test Dips: At(m)	181.6 Core size: 1 Casing (m): 4 Casing left: 5 e 87-182 and Minnova t	NQ Core storag 4.3 HoleSta yes HoleFinisi hole 90-241 (east limit	ge: Lara portal site art: 11/16/98 h: 11/17/98 of Coronation Zone)-colla	Logged by J.A. Richard Final Depth 181 66 ared on rd at Abermin 85-56 site
Trom (m) 4.30 Rock Unit A To (m) 14.90 Lithology: d greenish blackish. vf -f matrix, bearing small epi supported, minor magnet -conformable contact to in	ndesite lithic tuff - 3LT grained chloritic and muddy (argillaceous) dotized, greenish-buff lithic fragments, matrix ite, few variable qtz-calcite veinlets ower unit.	Structure: -weakly to -crude bed StructFoln: Mineral'n; ^{-trace po-p} Remarks:	non-foliated ding at 25* to CA. PrimryBed 25	DbsKey: 1	Smpl Smpl Smpl Smpl Smpl Smpl Assays: -Au values -Ag values	From(m To(m) Intrvi(m returned from lab as <5pp returned from lab as <0 2p) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb bb read in this log as 4ppb ppm read in this log as 0 1ppm
From (m) 14.90 Rock Unit R To (m) 31.40 Lithology: medL, pale greenish gre matrix with trace chlorite a felds grain to 4mm	ryodacite crystal ash tuff - 1 CTDT y. v.ff grained and equigranular, siliceous nd interstitial sericite, <5% qtz/saussuritized	Structure: -weakly foin -textural bec StructFoln: Mineral'n: ^{-trace} disser Remarks:	ated Iding at 25* to CA. PrimryBed 25 minated po-py	DbsKey: 2	-poory min Smpi Smpi Smpi Smpi Smpi Assays:	ieralized. NO SAMPLEST	AKEN FROM THIS HOLE Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 31.40 Rock Unit: An To (m) 38.35 Lithology: -as in unit above 4.3-14.9m fragments up to 6cm. to 25 conformable gradation to in	desite lithic tuff - 3LT .coarse epidotized, matrix supported lithic %, minor qtz-calcite veinlets, rapid ower unit.	Structure: -crudely bed -weak to mor StructFaln: Mineral'n: ^{-trace dissen} Remarks:	ded at 25° to C.A. denate foliation overprint PrimryBed 25 hinated po-py, local blebbing to 1-3%	DbsKey: 3	F Smpl Smpl Smpl Smpl Smpl Assays;	⁻ rom(m To(m) intrvł(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

From (m) 38.35 Rock Unit. Rhyodacite lapilii tuff - 1LaT To (m) 45.57 Lithology: pale greenish-Igrey, 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 Smp StructFoln: PrimryBed 25 DbsKey: 4 Mineral'n: Remarks: Assays	From(m To(m) Intrv1(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb I I
 From (m) 45.57 Rock Unit: Andesite lithic tuff - 3LT To (m) 61.62 Lithology: d blackish greenish-grey, v H.grained blackish argillaceous and chloritic matrix bearing epidotized, irregular lithic tuff fragments to 3cm (matrix supported), wispy discrete argillite partings increasing downhole -@47.9-49.3m, 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 Smpi -@57.2m, 10cm intense shearing at 45°, contorted lower contact Smpi StructFoln: PrimryBed 30 DbsKey: 5 Mineral'n; -trace po-py, mineral-poor Smpi Smpi Remarks: -volcaniclastics, showing fining down Bourna-type sequences - overturned sequence apparent Assays:	From(m Ta(m) IntrvI(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 61.62 Rack Unit Rhyodacite ash tuff. cherty - 1DT.Cy To (m) 65.10 Rhyodacite ash tuff. cherty - 1DT.Cy Lithology: med.grey to pale greenish grey, v1 grained to aphanitic siliceous matrix, vaguely bedded with some cherty tuff bands to 1cm -@6316-63.5m, numerous discrete chert bandings and tuffaceous cherts, well bedded -unit grades conformably into. -unit grades conformably into.	Structure: -bedding at 10 Smpl StructFoln: PrimryBed 10 DbsKey: 6 Smpl Mineral'n: Smpl Smpt Remarks: Assays:	From(m To(m) IntrvI(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

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From (m) 65.10 Rock Unit 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 wsps in matrix -@67.068.05m, rhyodiacite ash tuff bend. 3cm shear at 50° to CA, 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 e 90° to C.A. -unit is moderately shear foliated at 65° below 68.05m StructFoln: PrimryBed ObsKey: -<1% po-py disseminated, 1-3% 'streaky' po-py below 68.05m Remarks:	ot Smpl Smpl 7 Smpl Smpl Smpl Ass oys :	From(m To(m) IntrvI(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, v1 grained to aphanitic, siliceous and weakly sericitic matrix, trace chlorite wisps, variable qtz veinlets below 70m, essentially qtz-sericite schist	Structure: weakly toliated -@71.71, unit becomes strongly shear foliated at 60* StructFoln: 60 PrimryBed DbsKey: 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:	Smpi Smpi 8 Smpi Smpi Smpi Assays:	From(m To(m) Intrv!(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 71.95 Rock Unit Andesite lithic tuff - 3LT To (m) 77.53 Andesite lithic tuff - 3LT 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, pervesive moderate shear foliation at 55° to C.A. StructFoln: 55 PrimryBed DbsKey: Mineral'n: ^{-trace} po-py Remarks:	Smpl Smpl 9 Smpt Smpt Smpl Smpl Asseys:	From(m To(m) IntrvI(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

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From (m) 77.53 Rock Unit. Rhyolite crystal ash tuff -1CTDT To (m): 82.90	Structure: -pervasive moderate shear foliation at 55° to C.A. -@81.9m, 4cm shear breccia at 45°	C 1	From(m To(m) Intrvi(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: buff-I 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 .	StructFoln: 55 PrimryBed DbsKey: 10 -matrix throughout unit peppered with up to 3% py euhedra and blebs, locally up to 5%	Smpl Smpl Smpl Smpl Smpl		
	Remarks:	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 CA. -@83 31-85.23m. unit becomes strongly shear foliated at 45° to CA -lower bedding contact at 15° to CA. StructFoln: 45 PrimryBed 15 DbsKey: 11 Mineral'n: -up to 3% po-py blebs Remarks:	Smpl Smpl Smpl Smpl Smpl Smpl Assays	From(m To(m) Intrvi(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 85.23 Rock Unit Andesite lithic tuff - 3LT To (m) 94.15	Structure: -weakly to non-foliated -@89 6-90 2m, strong shear zone at 20° to C.A.	Smal	From(m To(m) Intrv1(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: d blackish greenish grey, v.ff grained chloritic and muddy (argillaceous) matrix, bearing large irregularly shaped, variably epidotized lithic tiff fragments up to 4cm, argillaceous wisps in matrix increase downhole (fining downward) to discrete larninae -@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 tiff, pale greenish buff-grey, v.f.grained siliceous matrix, contains 5% bluish qtz eyes to 1cm, conformable contacts at 20° bedding angle	StructFoln: PrimryBed 20 DbsKey: 12 Mineral'n: 7% Remarks:	Smpl Smpl Smpl Smpl Smpl Smpl		

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From (m) 94.15 Rock Unit. Dacite crystal lapilli tuff - 2XLaT To (m) 97.82 Lithology: d-med grey and pale greenish grey. v1 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 verning StructFoin: 45 PrimryBed 15 DbsKey: 13 Sr 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) Intrv1(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb npl npl npl npl npl
From (m) 97.82 Rock Unit: Andesite lithic tuff, argill's - 3LT-5 To (m) 105.89 Intervention of the second	Structure: -weakly to moderately shear foliated at 45° to C.A. Srr Struction: 45 Struction: 45 PrimryBed DbsKey: 14 Mineral'n: -trace disseminated po-py Sm Mineral'n: -trace disseminated po-py Sm Remarks: Bouma-type fining down sequence in volcaniclastics-sediment sequence - overturned bedding Assay	From(m To(m) IntrvI(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb pl pl pl pl pl s.
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 CA. Smj StructFoln: PrimryBed 30 DbsKey: 15 Smp Mineral'n: ^{-trace} po-py Smp Smp Pemarks: Asseys	From(m To(m) Intrvl(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

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From (m) 106.82 Rock Unit Andesite lapili/lithic tuff,arg - 3LaTLT	Structure: -primary bedding at 30*					
10 (m): 122.18	-weak to moderate foliation fabric, co	incident at 30-40*		riom(in ro(m) in	itrvi(m) Cu(ppr	n) Zn(ppm) Ag(ppm) Au(ppb
Lithology: d.greenish blackish -grey, f.grained and equigranular matrix,			Smpl Smpl			
qtz-calcite veinlets below 109.3m -@108.25-109.3m	StructFoln; 35 PrimryBed	30 DheKeyr 10	Smpl			
large 3cm band of well laminated argillite at 108.9m	-trace po-py blebbing only	in the second	Smpl		11. 1	<i>5</i> .
epidotized lithic tragments up to 8cm, argillaceous wisps becoming	Minerol'n:		Smpl			· ĭ
discrete taminae downhole 117-122.18m. andesite grades into fv.f.grained and equigranular tuff, no lithic fragments, minor saussuritized felds xstals, texturally bedded no visible mineralization			Smpl			•
	Remarks: fining downhole, overturned sequence	20 10 10 10 10 10 10 10 10 10 10 10 10 10	Assays:			
From (m) 122.18 Rock Unit Rhyolite crystal tuff - 1 CT	Structure: - conformable	a shekara a				
To (m) 131.62	-laminae horizons at 30° to CA.		Smol	From(m To(m) in	rvl(m) Cu(ppm	i) Zn(ppm) Ag(ppm) Au(ppb
Lithology, buff-l grey, f-med.grained siliceous and equigranular matrix, porridge			Smpl			-q 3 - i
128m	StartFolm		Smpl			50 - A.L.
-@129.9-131.62m, pervasive qtz veinlet stockwork and silica fracture fills, no significant mineral'n		30 DbsKey; 17	Smpl			2 Y :
-@130.47-131.62m, numerous minor, discrete argillaceous laminae, fining downhole	Mineral'n: -129.9-131.62m, a few minor conformal	% throughout ble laminae of disseminated po-	Smpl			•
-@131.62m, qtz vein in shear, mother vein to overlying stockwork	py with argillite, locally to 3%	······	Smpl			Q 4.4
	Remarks:-no significant mineralization beyond n	ninor disseminated po-py	Assays:			the states
From (m) 131.62 Rock Unit: Andesite lithic tuff - 3LT	Structure: -textural bedding at 30° to C.A.			F	· · · · · · · · · · · · · · · · · · ·	т
To (m) 133.80	weakly foliated		Smol	rrom(m lo(m) Intr	vl(m) Cu(ppm)	Zn(ppm) Ag(ppm) Au(ppb
Lithology: d.greenish blackish, f.grained to aphanitic muddy matrix, minor buff			Smpl			άμ. 1
muddier to lower unit.	StudEolo	La de la composición	Smpl			in f.
		30 DbsKey: 18	Smpl			· · · · · · · · · · · · · · · · · · ·
	Mineral'n:		Smpl		6.2 1	$B_{ij} = i \pi^{-1}$
			Smpl		5.	$y_i = \pi^{-1}$
	Remarks:	4	ssays;		1	
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Diamond Drill Hole 98-08

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From (m) 133.80 Rock Unit Sediments, arg mudstone - 5 To (m): 143.76 Lithology: -overlying volcaniclastic dissaggregates into predominant blackish, tuffaceous argiillite 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 CA. Smpl StructFoln: PrimryBed 10 DbsKey: 19 Smpl StructFoln: PrimryBed 10 DbsKey: 19 Smpl Mineral'n: -blebby po 1-3% et 134.5m horizon Smpl Smpl Remarks: Asseys:	From(m To(m) IntrvI(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 143.76 Rock Unit: Rhyodacite crystal/ash tuff, arg - 1CTDT To (m): 181.66 Lithology: medl.grey to pale greenish grey, 1-v.1 grained siliceous-sericitic matrix, discrete argillaceous horizons as noted, fining downhole -@144.76-145.7m, intensely sheared qtz-sericite schist -@144.76-145.7m, intensely sheared qtz-sericite schist -@156.64m, 5cm argillaceous matrix downhole to 159m -@155m, textural gradation to well sorted ash tuft, fining downhole into increasingly muddy tuffaceous matrix -@157.56-172.52m, brecc'd vein qtz and rhyodacite in muddy fault -@175.56-176.73m, 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 Smpl -unit is moderately shear foliated at 55° to CA. Smpl -discrete shear horizons throughout unit at 55°, at 146, 46, 148, 22, 171, 56- Smpl 172.52m, 173-173.2m, -@176.81m, 4cm shear at 35° Smpl StructFoln: 55 PrimryBed 35 DbsKey: 20 Smpl Mineral'n: -trace amounts of po-py, metal-poor sequence Smpl Smpl Assays: Remarks: -volcaniclastic Bouma-type sequences fining downhole - overturned bedding E.O.H.@ 181.66m	From(m To(m) intr√l(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

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

IDDH No: 9809 Grid Azimuth: 0 Collar Claim # Solly Grid Easting: -10295 NTS Ref: 92 B/13 Grid Northing: 10195 Collar UTM	True Azimuth: 28 Aci Coller Dip: -83 Aci Elev (m): 632 Target Continuity of e	d Test Dips: -83 At(m) 94.7 d Test Dips: -75.5 At(m) 184.7 d Test Dips: At(m) auriferous MSSX on eastern down-	9 Core size: N(1 Casing (m): 4.3 Casing left: no olunge extension of Co	Core sto Hole HoleFi pronation Zone (rage: Lara p Start nìsh: drilling dowr	portal site 11/18/98 11/19/98 ndip)-collared on	Logged by J.A. F Final Depth rd right to Abermin b	iichard 184.7 ale 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 argiillaceous/graphitic partings below 20m. contains <20% enidote-	Structure: week foliation o well bedded	verprint		Smpi Smpi	From(m	To(m) IntrvI(m)	Cu(ppm) Zn(ppr	n) Ag(ppm) Au(ppt	 כ
altered feldspars to 4mm. variably cut by qtz-calcite veinlets with chloritized contacts, some cherty tuff bands up to 20cm, matrix becomes v.f.greined-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	StructFoln: Mineral'n; ^{-pervasive} mino	PrimryBed 10 r disseminated py-po	DbsKey: 1	Smpl Smpl Smpl Smpl					
-@43.1-44.0m; several argillite bands up to 2cm -@445-47.5m; andesite lithic tuff, epidotized lapilli fragments -conformable but distinct contact to underlying unit	Remarks	ener de la composition A composition de la c	n - Sono ana San 1 <u>5</u> 116 - Sila Maria - S	Ass ays: -Au valu -Ag valu	ies returned ies returned	from lab as <5pp from lab as <0.2p	b read in this log as pm read in this log a	4ppb Is 0.1ppm	
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, veriably crit by ntz-calcite veriales	-@60.3m; 20cm -@60.3m; 20cm -@62.85-67.62m; gouge clay, tight	tled at 25° vide shear at 80° to C.A. intensely shear-faulted, qtz vein fri y Z-folds noted, lower contact at 30	agments in chloritic	Smpl Smpl Smpl	From(m	Ta(m) Intrv1(m)	Qu(ppm) Zn(ppm	i) Ag(ppm) Au(ppb	
-@67.52m: lower fault/shear contact at 30' to CA.	vice-oin: 25 /ineral'n: ^{trace} only py-po	PrimyBed	DbsKey: 2	Smpl Smpl Smpl					
From (m) 67.62 Rock Unit. Rhvojite Japilli tutt OF tutt-11 a OFT	Remarks:			ssays:					-
To (m): 92.84	-@67.62-74.0m; u unit, is sericitic/ka	y foliated at 30°, good primary bed oper part of unit within shear zone a olinized clayey fault gouge fol'd at	ding at 45° t base of above 30°	Smpl	From(m	To(m) intrvl(m)	Cu(ppm) Zn(ppm)	Ag(ppm) Au(ppb	
sericite matrix (qtz-sericite schist), acc'l cherty tiff and ash laminae, few argillaceous laminae up to 0.5cm with minor SX -67.82-74.0m; 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	uctFoln: 30 F -disseminated py- -disseminated py- -@88.0-90.4m, 91 -up to 10cm within (Remarks:	PrimryBed 45 po to 1-3% in discrete laminae up t 5-1.64m; 10-20% finely net-textured DE tuff matrix	DbsKey: 3 o 1cm py-po in bands As	Smpi Smpi 340044 Smpi Smpi Smpi secys:	87.96	89.44 1.48	37 16		}
and a second									

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From (m) 92.84 Rock Unit. Rhyolite ash tuff - 1DT To (m): 111.70	Structur	: -bedded at 45° -@102.3-102.53m; fault gouge breccia, indistinct din ancie to C.A			From(n	To(m)	latrvl(m)	Cu(ppm)	Zn(ppm)	Ag(ppm) Au(ppb
Libolog - Lout - Constant - Const		-@108.68m & 110.22m; 2cm slip fault and gouge at 45*	Smp	ł							
Lanulogy: Lour-grey, V.1.grained and equigranular qtz-sericite matrix, alternating beds up to 2m each of ash tuff with minor interhedded bands of fine			Smp	1							
apilli tuff with <5% qtz grains to 3mm	StructFolm	Prime Pord of a final state	Smp	1				1			
-@94 28m; 10cm berren qtz vein		Finallybed 45 DbsKey:	4 Smp	i terretaria. F	-	• •		1			
	Mineral's	-trace only py-po	Smp					1 · ·			
			Smr	- - -		· •		1¢			
			- Chip					de la c			
	Remark	n an the second seco Name	Assays	:				16			
[1] The set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the		24 16 17 • • • • •						4			
From (m) 111.70 Bock Unit Bhyolite Inville OF htt evaluation											
To (m) 138.80	Structure	rgenerally bedded at 40° rfocal moderately strong shear foliations 20-40° (aug 20)			From(m	To(m)	IntrvI(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
		-@124.7m; 10cm of fault gouge breccia at 45* to CA, other 45* slips at	Smpl								
Lithology: I grey, fv.f.grained qtz sericite matrix variably banded with qtz eye	である。 ここの時間に	128.7m & 129.12m	Smpl		enterno en V	i e e e e e e e e e e e e e e e e e e e					
f.grained po-py disseminations as laminae	ChandColor	and a second	Smpl			i ba		4			
-@121.54-123.85m blackish green taminated argillaceous tuft, hosting	SUCCOUNT	JU PrimyBed 40 DbsKey: !	5 Smpl	4 1 4 A A		1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		d.			
······································	Mineral'n:	-poorly mineralized, trace to 1% po-py in discrete horizons	Smol	n an an an bh						·	
underlain by black argillite showing minor offsets and qtz veinlets			Cmp	e 22 a.e.t K.a M.a M.a. Maria	na 1990 an t-Ann		4			i an a' a'	allen is
-@124.7-138.22m; lapilli QE tuff, 70% qtz eyes up to 8mm, variably cut			ompi	less providence de la companya de la Companya de la companya de la company	r Rogen (Mari	i Sansa (S. 1917)		4 19 1 1 1 1 1	la sister i		e Na 11 A
-@138.22-138.8m; black argillite, some tuffaceous lenses, tr.po-pv	Remarks	na shana a shana a shi ka shekara ta shi ka shekara ta shekara ta shekara ka shekara ka shekara ka shekara ka s	Assays:					1	an a	E3. 1	i didena en en estas I
All all and an and a second second Second second											2. a 4
			Put at	teri con con constante de la co							dia anna anna anna anna anna anna anna a
Torn mig 138.00 Mock Unit (Hhyointe ash tuff & SMMXMSSX - 1DT	Structure	-good primary laminations at 40*			From(m	To(m)	otrvi(m)	Cu(ppm)	Zn(ppm)		Aufonh
10 (m); 142 44	e de la composition La composition de la c		Smpl	340045	140.2	140.9	Π 7	10001	10001	101	8710
Lithology: I.buff-grey, bleached (albitized?-orangy cream colour) qtz-sencite,			Smpl	340046	140.9	141 55	0.7	10001	10001	1017 2017 - 2019 2017 - 2019	
downhole gradually into SMMX and MSSX as prood	[-] : [REALIZED THE TAKES IN A CONTRACT OF THE	Smol	340047	1416	140.00		10001	10001	3J.0	2010 2010/04/14
-@140.15-140.86m; sharp contact to blackish MSSX (90% of core)	StructFoln:	PrimyBed 40 DbsKey 6	Smol	340040	141.0	142.32	0.63	10001	10001	39.2	2510
-@140.86-142.34m SMMX and MSSX bandings (40-50% of core) with	Minorika	-@140.15-140.06m; MSSX is 70% sph, pv-po 10%, chalcopy 5% but	ompi	340045	142.3	143.36	1.84	10001	1095	22.2	690
-@142.34-142.44m; white atz vein, 50% being coerse remobilized pet-		increasing downhole: 140.86-142.34m, 60% of mineral'n is coarse net	Subs	in R-an -riteriterit	Sinana. ™ranat	internet and a	بة. مقدمة 100 م	- h i fex av ita	e San na waa waa	fri fri	
textured chalcopy		active charco with sph matrix	Smpl	ti ti ti ta ta ta	i The second	Υ.	j.	ļ	-	Ę.	
	Remarks	Primery VMS type messive supplies a particular to the second state	Assays:	40045; Pb	->10000p	pm. Cu-1	.42%, Zn=	32.3%, Aa-	225 g/t Ai	u=8.09 aA	PARA 1.1
		Coronation Zone mineralization, cut by later mineralized stringer at		40046; Cu	=4.09%, Ż =1.9%	n=12.75%	; 340047;	Cu=3.01%,	Zn=10.35	%. Au=1.9	2 g/t
		vein The second se			-1.0%						2 1 5
		in a state will be a constant of the state of the state broad by the state of the	n - Carthian	test i a	4. 1. 1.			- P. 44	승규는 말 주말	b Russ of	ilanda (

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From (m) 142.44 Rock Unit Rhyolite ash tuff & SMMX-1DT To (m): 153.70	Structure: -mod.well foliated locally, primary bedding at 40° to CA. -@152.84m; sip shear at 65° to CA. -@153.7m; lower contact shear at 30°. Smpl	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Limology, pale greenish grey to grey, v.f. grained-aphanitic qtz-sericite matrix, few	Smpi 340049 147.92 149.6 0.7	10001 10001 101 100
alle underormed qtz verniets, minor disseminated py euhedra		
Coarse chalcopy and minor po-py	StructFoln: PrimtyBed 40 DbsKey, 7	68 152 0.8 145
-@146.9-148.04m; qtz as above, with up to 40% coarse net-textured	Smpl	
chalcopy in upper half, lesser v.f.g sph and po alon vein contacts	Mineral'n: G146 9-148 04m d0 concerns not public of core Smpl	
-@148.04-152.84m; qtz grain (5%) lapilli tuff, massive, tr.py-po	-@152.84-153.7m; 90% well leminated occurs at tradecome	n 🛊 e e general e a composition de la composit
-@152.84-153.7m; MSSX, 90% well laminated po-py & tr.chalcopy, in	Спр	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
silicified & sheared at 30°	Assays: 340049: Cu-5.39%, Zn=1.13%, Ag=14	14 a.A. Au=2.19 a/t
	and the printing while the printing while the printing and the printing an	
From (m) 153.70 Rock Unit Rhyolite QE lapili/ash tuff - 1QEL eT DT		이 🎆 이 그는 옷은 상태에 가지 않는 것이다.
To (m) 18471	From(m To(m) intrv/(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
	Smpl	an Alexandra - Shekara Alexandra Alexandra
.ithology: med pale greenish grey, med grained, massive qtz eye lapilli up to		
5mm, some to 1 cm, in fine qtz-sericite matrix		
-@162.5-163.75m; dtz veining up to 2cm throughout	tructFolm PrimryBed 45 Dhakaya a Smpl	
Contacts highly bleached and silicified walkack minor contact access	Smpl	
local bedding at 65°, cross-cut by opposite slips at 70°	Mineral'n - generally trace po-py, minor localized bands to 2% Smpt	
-@172.1-174.25m; tan buff, altered (bleached & albitized?)ash tuff, cut		n - Charles Anna Anna Anna Anna Anna Anna Anna Ann
by fine atz stockwork	Terrenzia Sopi	
	Assov:	en en el entre de la tratación de la la la companya de la companya de la companya de la companya de la companya
CA. incelized highly number of 2%	remarks: C.U.I. 164./1m - hole reflects continuation of Coronation Zone VMS	
	nimeralina autoebela	1

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UCANOLAN RESOURCES LTD - LARA PROJECT - S	outh Vancouver Island. B.C Canada		
DH No: 9810 Grid Azimuth: 180 Colle	v True Azimuth: 208 Acid Test Dips: -70.5 At(m) 166 Cor	re 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 Acid Test Dips: -68.5 At(m) 382.8 Casi	ing (m): 2.15 HoleStart: 11/20/98	
NTS Ref. 92 B/13 Grid Northing. 10370	Elev (m): 680 Casi	ing left yes HoleFinish: 11/24/98	Final Depth 382.82
	Target: Continuity of auriferous MSSX between Abermin holes 87-18	328164 (Coronation Zone down-plunge ext) - collared o	n 87-164 site
rom (m) 2.15 Rock Unit: Rhyolite ash tuff - 1DT	Structure: bedded at 15'	From(m To(m) Intrvl(m)	Cutopm) Zn(ppm) Ag(ppm) Au(p
To (m): 7.12	Benevit And Target Lat. The And Target And Tar And Target And Target	. Smpl	
nology: I.grey, v.f.grained and equigranular siliceous matrix, well laminated		Smpł	and the second sec
	Structor	Smpl	
		Smpl	
 Alexing as the second se	Minerol n	a Smpl	
사실 수 있다. 1996년 - 1997년 1월 19		Single Sheet and sheet a start of the start	
	n an	Assays: -Au values returned from lab as <5pp	b read in this log as 4ppb
 - sy A F - so we find - and find - and find 	an teachar Britan teachar Britan teachar		spinieud in the log de c. i ppin
om (m) 7.12 Rock Unit Dionite - 6	Structure		<u>ti (line de c</u>
To (m): 18.82	- Hower contact at 30*	Smol	Culppini znippini Aglippini Aulp
cology: weathered to 11m;		Smpt	ที่ไป แก่สุขัตวามมาแ ม่งคุณ พุ ศ แสดงเหลือ สาวรามแผงสารใจการเกลง 1
-d.greenish. massive, fine grained chloritic matrix feldspar porphrytic.	a fa she fa	and Smpl	tel en en en t erne de la ser e de la sere de la ser Sere de la sere de la se
	Struct on PrimyBad DbsKey	2 Smpl	f de la meitre la com hannenin de la comme de la comme 1999 :
	Mineral m.	Smp)	no o na se
		Smpl	
2004년 전 1997년 1 1997년 1997년 199	n en		i 2. – Di Lio Men ar Dell'Antonio i el Administra I
		San Carlos Carlos Carlos Secondo Carlos Carlos Brazilto Carlos Carlos	
	Received and a second secon A second		
rom (m) 18.82 HOCK Unit: [Rhyolite ash tuff - 10]	The Structure: -4945.42-45.52m; sharp shear at 75*	From(m To(m) Intrvl(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(p
		and a Sapping and a second second Restrict Same and second sec Restrict Same and second se	ter and a constant of the second s
nology: -as in 2.15-7.12m; well bedded at 35° @42-46.9m; rhyolite ash tuff grades into rhyo-dacite tuff, conformable	ff fellingen Auflige fra statistik Affrika fill suurituur van statistika het fille like statistika af de sense statistike statistike statistike s	And Shipi Marka and Andrew Contraction and An	fer som en strände die some former om einiger anderen. Ein som einiger die som einiger anderen einiger anderen einiger anderen einiger anderen einiger anderen einiger
gradetion into underlying unit	ShuctFoln: PrimyBed 35 DbsKey:	3 Smol	n an
1 - 1955 - 1927	Minarching -trace disseminated po-py, few thin po-py laminae below 32m		na se
		Maria Santa	filler dese ersel nstra nsen sederaren dema lle r en zet
	an a	F ¹⁷⁷ - Weblief ² 2 Faller ¹ 2 Weblief ¹ 2 Faller ¹ 2 Weblief ¹ 2 Faller ¹ 2 Parks ¹ * 1	han shi na kana kana makana makan Mana sa kana sa

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From (m) 46.90 Rock Unit Andesite crystal/ash tuff - 3CT,DT To (m): 66.00	Structure	e: -a few bands up to 1 m of moderate shear foliation at 45° to C.A., otherwise primary bedding at 30°	Smpl		From(n	n To(m)	intrvi(m)	Ci/(ppm) Zn(ppm) Ag(ppn	n) Au(ppb
V.I.grained ash tuff with minor qtz grains, chloritic matrix	StructFoln:	45 PrimvBed 30 DheKey I	Smpi Smpi	340107	61.9	7 62 5	0.58	977	23	0 E	6 285
	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	Smpl Smpl Smpl								
	Remerks	n an	Assoys:			diti			확년 같은 동일		· · · · · ·
From (m) 66.00 Rock Unit: Rhyolite ash tuff - 1DT To (m): 79.77	Siructure	-primary bedding at 20° to C.A. weak to moderately foliated -@78.8m; 15cm fault gouge zone at 80° to C.A.	Smpl	an di dan Seleta	From(m	To(m)	intrv1(m)	Cu(ppm)	Zn(ppm)) Ag(ppm	n) Au(ppb
Lithology: pale greenish grey, v.1 grained qtz-sericite matrix with <5% qtz grains up to 4mm, some wispy chlorite and trace fuchsite/mariposite, is qtz- sericite-chlorite schist	StucFolm:	PrimyBed 20 DbsKey: 6	Smpl Smpl Smpl	ning heading has a hailed to correct he filled and correct		Frankar Stationar Stationar Stationar Stationar Stationar				,	
	Mineral'n:	-@ 73-79.77m; few fine po-py laminations to 0.5cm of 1%, 3-5% locally with tr.chalco	Smpl Smpl	an a	ili ya shina ya Sin Maria Maria Maria Maria	in de la companya de La companya de la comp				en e	
	Remarks		Assovi:			· • • • • • • • • • • • • • • • • • • •					
From (m) 79.77 Rock Unit Andesite crystal tuff - 3CT To (m): 111.45	Stucture:	primary bedding at 25° -@81.53m: shear fault at 80° -@86.0m: shear slip at 80°	Smpl		From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm) Au(ppb
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	Stuct folm	Goliscrete bands of mod.shear fol'n in matrix at 40°, pervasive below 95m 40 Primy/Bed 25 Diskey: 7	Smpt Smpl	340108	80.9	81.46	0.56	2960 	168 Şeri	1.8 	50
-@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	Mineral'a,	@80.97-81.63m; 5-7% blebby py-po, tr.cp on vein contacts	Smpl Smpl Smpl	1012				ri Bijan statun 1 Bijan statun 1 Statun 1 Statun		- Anno <u>ann</u> Anno Annair Anno Annair	
-@94.7-107m; numerous undeformed, en echelon qtz and albite nimmed veins to 8cm, veins range 45-70° to CA.	Remerks		Assays:			in the second					

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From (m) 111.45 Rock Unit Rhyo-dacite crystal tuff - 2CT To (m) 118.44	Structure	- weekly foliated -@112.78-113.38m; strongly sheared qtz-sericite-chlorite schist at 40*	Smpl		From(m	To(m)	intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Lithology: pale greenish grey. fmed. 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*	StuctFoin	40 PrimryBad 50 DbsKey: 8	Smpi Smpi Smpi			 •			ing an 1 1 1 1 1 1 1 1 1 1 1 1 1		
Ref. 194 - grades into lower unitl.	Mineral'n	-local minor po-py blebs along vein contacts	Smpi Smpi	n na seconda de la composición de la co Na composición de la c		ا المنتخب بي المحمد التي العربي ال					
	Remarks		Assoys:		- 		14. o. 141	「「「「「「」」		i ti batiri.	-
From (m) 118.44 Rock Unit: Andesite crystal tuff - 3CT To (m): 128.62	Structure	weak-moderately foliated	Smpl Smpl	n del Ci Vice di Maria del Ci Maria de Cic	From(m	To(m)	intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Аи(ррь
to chorite-sericite schist, bedded et 30°	StructFoin:	PrimyBed 30 DbsKey: 9 ™	Smpi Smpi	norman (M.C.A.) 16 Augustations 19 ann - Augustation	la de constant Seguerar comune Seguerar comune Seguerar comune de	d 2014 - Carlos Si Alfondo Caldoriza 2 2 2014 - Martin Si			1.000000000000000000000000000000000000	n (j. 1990) 1. Spectra Providence 1. Spectra State (State	
	Mineral'n:		Smpl Smpl	concernant References		i 1- no comerco 1 2- noi altRai -		in di pi ne arre S-A (<u>Localista</u>			
	Remarks		сээцуз. 1	tion of schemel and i		······································					
From (m) 128.62 Rock Unit: Diorite -6 To (m) 138.84	Structure	-massive matrix -@136m; discrete shear at 70° to C.A. -upper shear contact at 70° to C.A. -sharp intrusive lower contact at 5° to C.A.	Smpi Smpi		From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Аи(ррб
containing epidotized feldspar phenos up to 10mm, unit is sheer- bounded	StudFoln	Primy Bed Dbskey 10	Smpl Smpl	No. of the second s	enne 1992 - Solar Solaff, en Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar Solar S	alater Historia		ti, mijo, support kon jije someten te solo provinsi	And Mitchie and A	i an	
	Mineral'n:	-r. py suneara	Smpi Smpi	ini tarangan g	na 1999 - Antonia Antonia 1999 - Antonia Antonia 1999 - Antonia Antonia 1999 - Antonia Antonia	rna Duby		n 14 n n (1. man 1. st 2. stratety	n ann a' an Foilteach		
	Remarks		~3074 ;	Sec. No.	1999 - 1 8 9				Factor	Antonio de la compañía	

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From (m) 138.84 Rock Unit Andesite crystal tuff - 3CT	Structur	8										
To (m): 141.70				<u> </u>		From(m To(m)	i intrvi(m)	Cu(ppm)) Zn(ppm)	Ag(ppm	n) Au(ppb
lithologic -as above unit 118 4-128 52m				Smpl								
				Smpl					i _d			
	StructFold	PrimryBed DbsKey:	11	Smpl					j-			
		義政府 - Anna Anna Anna Anna Anna Anna Anna An		Smpi					() ()			
	Mineral'r			Smpl					1.00			
	19 - 13 - 13 19			Smpl					i i i			
	Domen	terzen Menten	A	ssays:		,			л Д			
			2.5	1. 13 F					15. 15.			
			1.			1						
From (m) 141.70 Rock Unit Diorite - 6	Structure	: -upper shear contact at 65° to C.A., containing qtz veinlets		(() () ()		From(r	n To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm)	Aa(ppm) Au(ppb
To (m); 146.85	art a star and a star and a star and a star a st	-Hower intrusive shear contact at 5° to C.A.		Smpl				• •				,
Lithology: as above diorite unit 128.62-138.84m	in the second		1 4 1 3	Smpl					1	ter er		
				Smpl	er en se s				$\frac{T_{0}}{D}$			
	STUCTION	PrimyBed DbsKey;	12	Smpl	с. р					5 M () - M		
	Minerel'n	μμη το	() () ()	Smol			- \$- -	1	, if			
				Smpl	n na se i				an a	÷.		
		tak 19. Santan (19.19) - Angelan (19.19) - The Angelan (19.19) - Angelan (19.19) - Angelan (19.19) - Angelan (19.19)			estat e la	$i \in t$			lites in	$\frac{1}{2} \sum_{i=1}^{n} i_i \leq 1$		محمد المحمد المحمد الم
	Remark	general internetienen erserietetetetetetetetetetetetetetetetetete	୍କ	86 G Y8:								3
			ik fan Riege Frank									÷
From (m) 146.85 Pock Unit Andesite crystal tuff - 3CT	Structure				indel II Indel III		<u></u>		i Angling Angling angling	Maarii 9	<u></u>	
To (m) 156 68		erios. Init, Tom izola and gouge citay over 10m at 15 to C.A.	* ==		$ \begin{array}{l} \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right _{i \in I} \right) \\ \sum_{i=1}^{n} \left(\left i \right $	From(r	1 To(m)	Intrv1(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
	a har i dan i Gerdat dan iga			Smpl	ې ز د مدينه	ng Ngangaran Ngangaran	i Ali		i i bi i i i	e Terretaria de las		in a stanta di Si a stanta di
Lindiogy, -as above andesite unit 118.44-128.52m	ti a shi kutalar Asil dha sari i daga		- 77 (* 1991)	Smpl	r generation		na Na sarata	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	y Tara ang		i Na ana a	2
	StructFoln:	PrimyBed 10 DhsKey 1	3	Smpi	2000) 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 - 1910 -	1. 	2 	s († 1910)		- 		
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	Mineral'n	a der hollen, holder of vis purpy along dit veinier contacts		Smpl	n An an An An	i. Ann an An			e 1.			
		a a		Smpl								
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n an		e 1911 - La Breek and an Disactorian a companya a sana a sana a sana a	1			.,			1940 1			

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From (m) 156.68 Rock Unit Diorite - 6	Structur	8: -upper intrusive contact at 30° to CA -lower sheared contact at 25° to CA		From(m To(m) IntrvI(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(opb
Lithology -ns above digrite unit 128 62-138 84m			Smpl		
			Smpl		
	StuctFol	t: PrimryBed DbsKey: 1	Smpl 4		
	Mineral'i	particular de la construction de la Final de la construction de la const	Smpi		
			Smpl		
		ne. 1999 - Maria Maria Managara, ang katalan ang katalan ang katalan ang katalan ang katalan ang katalan ang katal 1999 - Maria Managara, ang katalan ang	Assesses		
n	Remark		Assays:		
and a second					
From (m) 159.76 Rock Unit: Andesite crystal tuff & minor breccia - 3CT.PBx	Structure	-brecc'n bedding at approx. 40*		From(m To(m) Intrvi(m)	Culpam) Zalaam) Aalaam) Aulaab
i u (m), j i / 1.42		-@162.9-163.75m; shear zone - indistinct upper contact, lower shear	Smpl		
Limblogy: d.blackish green grey, fmed. grained matrix, coarse angular qtz lapilli and matrix fragments up to 3cm in brecciated bedding at approx 40-45	·	- contact at 55° - below shear zone, andesite is mod, foliated at 25°	Smpl		
-@162.9-163.75m; gtz veined and gtz flooded shear zone	StructFoin	25 PrimyBed 40 DbsKey: 15	Smpl		
	Minoralia	-some diffuse bands of fine po-py up to 2cm, locally 10-15% some py	Smpl	en e	
		rimming chalcopy bleb up to 3% -@162 9-163.75m; shear zone, 30% SMMX-net textured by up to 5%	Smpi		i i san ang a sa Laman i
		chalcopy	Assessed		n an
	Remark		Assays:		
	2. (6x) - A.				
From (m) 171.42 Rock Unit Diorite -6	Structure	-upper intrusive shear contact at 75'	ia de la Silvia Altra deserva	From(m To(m) Introl(m)	Cuippen) Zeippen) Adippen) Auroph
10 (m);1 163.20	A TANK STREET	Tuwer initrasive snear contact at 80°	Smpl		
Lithology: as above diorite unit 128.62-138.84m			Smpl		a tanan sa Araba Araba
	StructFoln:	PrimryBed DhsKey 16	Smpl		the structure process and the structure of the structure
		ing weather waters that the control of the first state of the second state of the sec	Smpl		
	- Mineral'n;		Smpl		ار از معادل المعادل المعادل المعادل المعادل المعادل المعادل المعاد المعادل المعاد المعاد المعاد المعاد المعاد المعادين هذا المعاد ا
		Se las vers destructures de la companya de la comp	Smpi	i i i i i i i i i i i i i i i i i i i	· · · · · · · · · · · · · · · · · · ·
	Remarks	nen energeneren er en en en er	Assays:		
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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 leminated ash tuff with numerous blacking arritize bactering and lower shears at 75*	Structure: -@ sh -@ -@ StructFoln: Mineral'n: -tra -@	9185.28-187.38m; diorite:, upper shear contact at 20° to C.A., Io lear contact at 75° 9195.7-197.4m; intensely foliated and 2-kink folded, axes at 45° 9248.55m; 10cm shear zone at 90° 75 PrimryBed 20 DbsKey; ace po-py 9248.55m; shear zone & gtz veining with 10-15% py-po dissemii	wer Smpi 17 Smpi Smpi Smpi Smpi n. Smpi	From(m To(m) Intrv!(m	i) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
-@228 48-230m; en echelon qtz vein sets, up to 10cm & local silic.	Remarks:		Assays: Assays:		
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	Structure: -upj -@i	per contact is sharply sheared at 30° to CA. 256.58-256.74m: shear zone at 55° wer contact also sheared at 75°	Smpl Smpl	From(m To(m) Intrv1(m)	Ču(ppm) Zn(ppm) Ag(ppm) Au(ppb
-@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.	StructiFoln: Mineral'n: ^{-trac}	PrimyBed DbsKey: ce po-py anly	18 Smpl Smpl Smpl		
	Remarks:	n alf Million an Charleston and Charleston and Charleston and Charleston and Charleston and Charleston and Char An annual charleston and Charleston and Charleston and Charleston and Charleston and Charleston and Charleston a	Assays:	a tha an	
From (m) 270.54 Rock Unit To (m) 294.00	Structure: -@2 offse	87.28-290.52m, 291.2-292.77m; argillaceous laminations show etting slips	Smal	From(m To(m) IntrvI(m)	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology: epidotized lithic fragments up to 3cm in Hv1.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 argilite bands 15-20cm thick, conformably interbedded with I.grey rhyolitic tuff	StructFoin: Mineral'n: -frace disse	PrimyBed 20 DbsKey. e po-py laminations 87.28-290.52m, 291.2-292.77m; up to 10% po-py in laminar eminations	Smpi Smpi 19 Smpi Smpi Smpi Assave		
na An An Anna Airtean An An Anna Airtean	Hemarks:	and a second	rəəqys.		

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From (m) 294.00 Rock Unit Dacite QE tuff -2QET	Structure: -@296.3m; discrete sheer at 80*	-	· · · · · · ·		AN AN AN	
To (m): 300.70			rom(m To(m)	intrvi(m)	Cu(ppm) Zn(pp	n) Ag(ppm) Au(ppb
Lithology: as above dacite OE unit at 250.4-270.54m; - numerous interlaminated argillaceous bands, unit is pervasively out by fine at veinlets	in the second	Smpl			- 1.3 	
-@296.33m; unit grades into v.f.grained ash tufl and interlaminated argillaceous tuffs	StructFoln: PrimryBed 20 DbsKay: 20 cv	imp!				•
	Mineral'n; trace only po-py Sr	impi				
	n de la companya de l Nota de la companya d	mpl			. स्ट्रे - १२ - २४	÷ ·
	Remarks: Asse	eys:			N.	
n de la constante de la constant La constante de la constante de		in a start and a				
From (m) 300.70 Rock Unit Andesite crystal tuff - 3CT To (m): 315.14	Structure: -moderately shear foliated at 45° -primary bedding at 40°	Fn	om(m To(m)	intrvi(m)	Qu(ppm) Zn(ppn) Ag(ppm) Au(ppb
Lithology: d.greenish grey, f.grained, v. chloritic matrix with saussuritized plagio, local epidotization, argillaceous laminations	Sn Sn Sn	mpi mpi	ene in an i			
-@304.5-305.3m; massive barren white qtz vein oriented at 20* -@311.7-312.13m; intrabed of whitish grey dwylite OF biff emillecoous	Structfield, 40 DbsKey, 21 Sm	np! npl		- 		n n n
in lower 10cm	Mineral'n. Sm	npl	n an	r so so so s	shi tiya a s Na p Na panana s	х 1
	Remarks:	ya :	Piasana S	an tan	No Caso I	
					1 	
From (m) 315.14 Rock Unit. Rhyolite QE crystal tuff, argillaceous - To (m): 348.50	Structure: -@347.8-348.5m: qtz vein shear-bounded at 85* to CA	Fro	m(m To(m)	IntrvI(m) (Cu(ppm) Zn(ppm)	Ag(ppm) Au(ppb
Lithology: whitish-grey, med.grained qtr eye tuff up to 6mm in v.f.grained at	Sm	ipl .		· · · · ·	in a state and a Note and a state and a state Note and a state	1 224 14 1827 1941 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
sericite matrix well bedded at 40°, minor argillaceous horizons increasing with depth	Smutfole Smut	ipi Iqi	series en a	e de la composición d La composición de la c	ni ĝ Nete la≊naporto da Pi⊈ ĝ	in a second de la constante de La constante de la constante de
-@316.17-317.52m; lense of andesite crystal tuff as noted above with 2cm argillite band at 317,48m	-DOOrty mineralized trace only poer	pl			n an	
-@318.1-319.33m; two 15cm bands of fine laminated tuff's argillite -@320.5-323m; cherty ash tuff grading into tuffaceous argillite	Mineral'n: Smg	pl	and a large	1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	NA 1988 - LA Constant Al Antar M	eren en stander en se er en er Neuer i er st
-@32b-327.5m; undeformed qtz veining subparallet to CA. -@342-347.88m; increasingly intense bleaching/silicif. of matrix	n na postali i se de la companya de La companya de la comp La companya de la comp	/s :	e i tak t) 	an Landar (Barana) (Color Landar (Color)	an a
ישטאיר פיזיע פיזיע אינישר, massive barren qtz vein	Hemarks: -opparent sedimentary fining downhole - overturned sequence	• •			an An An	- -
	n an an Anna a Anna an Anna an					는 동안 문문 문

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From (m) To (m):	348.50 Rock Unit Sediment -4Cy 363.05	Structure	-excellent primary bedding, very well laminated -@362,77-362.93m; shear bounded qtz vein, upper and lower contacts	S mal	From(m To(m) IntrvI(m)	©u(ppm) Zn(ppm)	Ag(ppm) Au(ppb
Lithology:	-gradational from above unit		a. 75 and 40	Smpi Smpi			
	-buff grey, cryptocrystalline to aphanitic silica - chert, tuffaceous, with minor cherty ash tuff bands; bedding first at 10°, grading to 35° by 353m;	StructFoln:	PrimryBed 35 DbsKey. 23	Smpl Smpl		· 卢· 神	
	-@362.77-362.93m; shear bounded qtz vein	Mineral'n:	Tace only po-py disseminations	Smpl		ц. Ца 14.	
	-unit conformably grades intol	n de la Constanti La Trachia Trachia de la Constanti La Constanti de la Constanti de la Constanti La Constanti de la Constanti de la Constanti La Constanti de la Constanti de la Constanti de la Constanti La Constanti de la Co	Na state and the second se	Smpt			
From (m)	363.05 Bock Unit JBhonine OF 11/ - 10FT	Remarks:	sequence clearly shows sedimentario fining down - overturned sequence	ASSOYS	· ·		
To (m):	382.82	Succure:	moderate to strong shear foliation at 40° @367.7m; 40cm of intense shearing (qtz-ser schist) at 45° @379 34-380m; intense cataclastic branch of units	Smal	From(m To(m) IntrvI(m)	(ppm) Zn(ppm)	Ag(ppm) Au(ppb
Lithology: (pale greenish to whitish grey, slightly stretched qtz eyes up to 2cm, in v.f.grained qtz-sericite matrix,			Smpl			
en de . Reference	@364.58-365.05m; en echelon qtz veining, up to 8cm each, weakly deformed, chloritic contacts @324m and holow; and market being being (children)	StructFolm	40 PrimyBed DbsKey; 24	Smpi Smpi		n essa Maria - Maria - Maria - Maria -	i in
C	crystal tuff	Willercu II.		Smpl Smpl			an a
		Remarks:1	ANNER L'ARTRA ESE L'EXELEMENT ANNE L'ALTRA EL L'ART, MELLE ANNE L'ALTRA EL L'ART, MELLE ANNE L'ALTRA EL L'ALTR L'O.H. 382.82m	Assays;	9 (1997) A 1979 (1207) (1207) 1		
		and a second secon				1/K	~-/

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

Nucanolan Resources Ltd

DDH No: 9811 Grid Azimuth: 177 Coll: Claim #: Solly Grid Easting: -10195	ar True Azimuth; 205 Acid Test Dips: -86 At(m) 93.3 Core size: Coller Dip: -82 Acid Test Dips: -88 At(m) 203 Acid Test Dips: -90 At(m) 301 Cesing (m):	NQ Core storage: Lara portal site 1.22 HoleStart: 11/26/38	Logged by J.A. Richard
NTS Ker: 92 B/T3 Grid Northing: 10332 Collar UTM	Elev (m): 678 Casing left Target: Easterly lateral extension of auriferous MSSX in Coronation Zone do	yes HoleFinish: 11/29/98 wn-plunge - collared on Abermin 87-193 site	Final Depth 346.25
From (m) 1.22 Rock Unit Rhyolite ash tuff, cherty - 1DT.Cy To (m) 38.12 Init and the second s	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 PrimtyBed 30 DbsKey; Mineral'n: -blebby disseminated po-py principally in cherty bands, 1% to 3% locally	From(m To(m) IntrvI(m) Smpi Smpi Smpi 340083 33 34 1 Smpi Smpi Smpi Assays: -Au values returned from lab as <5pp	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb) 295 60 0.1 15 b read in this log as 4ppb 15
		-Ag values returned from lab as <0.2p	pm read in this log as 0.1ppm
From (m) 38.12 Rock Unit Andesite ash tuff, cherty -3DT, Cy To (m) 41.18 Lithology: digreenish grey, figrained and equigranular, moderately chloritic, numerous scattered intralaminated cherty bands	Structurg: -bedded at 30* StructFoin: PrimryBed 30 DbsKey: 2 Mineral'n: few laminae up to 1 cm of fine po-py. locally up to 10% Pamarka:	From(m To(m) Intrvi(m) Smpi Smpi Smpi Smpi Smpi Asseys:	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
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 1 cm 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) Intrvi(m) Smpl Smpl Smpl Smpl Smpl Smpl	Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb

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From (m) 46.10 Rock Unit Rhyolite crystal tuff, ash - 1 CT, DT To (m): 55.20	Structure	x -well bedded at 10*			From(m	To(m)	intrvl(m)	Qu(ppm) 2	n(ppm) A	g(ppm) Au	ı(ppb
Lithology: pale greenish grey, v (grained gtz-sericite matrix texturally etempting	а.		Smp	bl							
bands of dominant ash, and lesser bands of QE and crystal tuff with qtz			Smp					1 1			
grains up to 4mm, minor chloritic wisps; variably cut by fine qtz-calcite veinlets increasing in density downhole	StructFoin	PrimryBedt 10 DbsKay.	4 Smr	N 340084 J	1 49.78	50.84	1.6	11 14 1	44	0.1	20
-@54-55m; argillaceous laminations	Mineral'n	-minor disseminated bands of py-po to 10% locally, tr.chalcopy	Smo	4				1.: 12:			
· · · · · · · · · · · · · · · · · · ·	here and a second		Smp	1				1			
		e It≖na – "na transformation de la companya de la com	Assma					¥.			
	Remark		·								
	and a straight of the straight	특별 1월 선생님이 있는 것은 것은 것으로 도망하는 것으로 있는 것이다.									
From (m) 55.20 Hock Unit: Andesite lapilli tuff - 3LaT	Structure	: -bedded at 40*			Fram(m	To(m)	IntrvI(m)	Qu(ppm) Z	n(ppm) Aç	(ppm) Au	(ppb
 Complexity of the state of the	in	- - -	Smp	F				Ŷ.			• •
Ennology: a greenish grey, figrained chloritic tuff matrix, well bedded at 40°, a few massive, v.f.grained ash bands up to 40cm thick; unit is variably cut by		n - 24 Remander - Martin Martin, en ander en ander en andere en andere en andere en andere en andere en andere en ander	Smp) 54 - 2				ġ.			
fine qtz-calcite veinlets	StructFoin	PrimyBad 40 DbsKey:	5 5	f Maria				47 1, 54			
		1-5% py in blebby laminar disseminations	Smpl		-		-	1) - 1:			
	14411 C 1 C 1 K		Smpl	line.							
		n An An A	Δ.c.m.#					ivi en			
	Remarks		~>>By3								
	ferreretak tanih kang				<u></u>			.v. N			
From (m) 67.58 Rock Unit Diorite -6	Structure:	-massive, except weak shear foliation along intrusive margins; upp	er	in Station	From(m]	[o(m)	ntrvi(m) i	Cu(ppm) Zi	(ppm) Ag	(nom) Aut	dad
	The second secon	-@78.45m; 2cm fault gouge plane at 45*	Smpl	nter d .			ana na Pranja. Rije Rije	agin inger A	7 11 HA 17 1		
Lithology: d.blackish green-grey; f.grained and equigranular, v.chloritic and calcite rich matrix, cut by pervasive undeformed atz-calcite veinlets to		-@60-81m, 81.62-81.78m; barren qtz veins at 45° to C.A.	Smpl								
1cm wide -by 74-78,45m, 0.5cm feldsper phenos, weakly seuseumited	StructFoln;	PrimyBed DbsKey;	6 Smpl	··· .				and a second sec			
-@80-81m, 81.62-81.78m; barren qtz veins, chloritic contacts	Aiporal in	ne se	Smpl		a tori		fin Age	n 1951 - Line			
			Smpl	* 1		e n			a sainte	ч	p i
								h s	·	89 - 1	
	Remarks	na mana kana kana kana kana da mata wake ba	maadys:								-
	ang lang. Ang lang	Na status and an						NÇ N			÷
· · · · · · · · · · · · · · · · · · ·		πατα το πορίδου πλατικό το ποριστροποιού του παρατικό του ματαγράτου του ματαγράτου του του του του του του το Για το ποριστροποιού του παρατικό το ποριστροποιού του ματαγράτου του παρατικό του του του του του του του του π	an Naharan.					$\frac{\left \left(\frac{1}{2} \right)^{n} - \left(\frac{1}{2} \right) \right = \left \left(\frac{1}{2} \right)^{n} - \left(\frac{1}{2} \right) \right $		nia a s	
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From (m) 90.09 Rock Unit Rhyolite ash tuff - 1DT To (m) 103.84	Structure	: -weakly bedded at 40° to C.A., contorted at 99-102m -@95.85-96.3m; cataclastic overprint with foliation varying 0-40*	6	mal	From(m	To(m)) Intrvl(m) Cu(ppm	i) Zn(ppm)	Ag(ppm) Au(ppb
Lithology: -whitish Imed grey, ephantic siliceous matrix, minor argillaceous wisps			Si	npi npi						
	StructFoln:	PrimryBed 40 DbsKey:	5r 7_	npl				-		
	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.	Sr Sr Sr	npi npi npi						
	Remarks	la Brancia. Na Brancia de Carlos	Asse	iys :				de d		
an a										
From (m) 103.84 Rock Unit: Diorite - 6 To (m): 105.08	Structure	-sheared upper intrusive contact at 45*			From(m	To(m)	Intrvl(m)	Cu(ppm)) Zn(ppm)	Ag(ppm) Au(ppb
Lithology -as in above diorite unit at 67.58-98.09m		2 4 -	Sn	ipi ipi		•		1. 1.		
	StructFoln:	PrimryBed DbsKey;	8 8 5m	pl				t_{i} $t_{i} \in t_{i}$		
	Mineral'n:	-up to 3% local suhedral py	Srr	ipi		e 				
		n Allonda Alexandra (Maria) - ang panggi ang alam ang pangangan ang ang ang ang ang ang ang ang	Sm	/s:	. •			: 		a and the second second
	Hemarks:									
From (m) 105.08 Rock Unit: Andesite crystal tuff - 3CT To (m) 155.45	Structure:	-weak shear foliation, qtz veinlets smeared out -@125.95m; 3cm of chloritic fault gouge at 35°, then brecc'd tuff and qtz veinlet freaments	Sm	pl	From(m	To(m)	Intrv1(m)	Cu(ppm)	Zn(ppm)	Ag(ppm) Au(ppb
Lithology: d.greenish grey, texturally atternating bands up to 2 metres of v.f- med.grained tuff, epidotized plagio clots, a few argillaceous		-@145-148m; sheared into chlorite schist	Sm	pl	· · ·					1
-@114.3-116.87m; diorite lense, upper contact at 30* -@144.8-145.0m; qtz vein at 45*	StructFoln:	PrimyBed 20 DbsKay.	9 Sm	pi 340101 pi	144.79	145.08	0.3	3590	74	0.8 20
	Mineral'n:	•©124.46-125.46m; 5-10% blebby py •©125.451; 5-10% blebby py	Sm Sm	ol ol					· · · ·	an a
	Remarks:	©144.8-145.0m; qtz vein; 10% po-py blebs rimming 5% chalcopy	Assay	S:						
		and a state of the second s			ł					•

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From (m) 155.45 Rock Unit Diorite - 6 Structure: -massive From(m To(m) IntrvI(m) To (m): 167.40 -sharp intrusive contacts Gu(ppm) Zn(ppm) Ag(ppm) Au(ppb Smpl Lithology: -as in above diorite unit at 67.58-90.09m, Smpl Smpl StructFoln: PrimryBed DbsKey: 10 Smpl Mineral'n: Smpi Smpl Assays: Remarks: From (m) 167.40 Bock Unit Andesite crystal tuff - 3CT Structure: -bedded/banded at 10° to C.A. From(m To(m) intrvl(m) Ou(ppm) Zn(ppm) Ag(ppm) Au(ppb weakly foliated at 50°, strongly foliated to chlorite schist by 186.4m To (m) 209.00 -@173.47-170.02m; fault and clayey gouge in chlorite schist at 80* Smpl Lithology: d.greenish grey, f-v f.grained, chloritic matrix, texturally banded, -@189.66-189.8m; fault gouge at 80° to C.A. Smpl -@189.8-197m; intensely foliated and contorted, Z-kink folding indistinct saussunitized plagio xstals -@170.04m; 10 cm qtz vein-chloritized and pyritic contact at 50°, other Smpl StuctFoln: 50 PrimryBed similar veins at 174.02-174.41m, 177.18-178.75m, 180-181.1m, 184.81-10 DbsKey: 11 Smpl 184.92m, 189.66-189.8m (at 80* in fault gouge) -@174.41m; coarse blebby py-po along vein contact, and most qtz Mineral'n: veins in this unit -unit is foliated into chlorite schist below 186m, numerous Z-kink folded Smpl zones Smpl Assays: Remarks: <u>_</u> From (m) 209.00 Rock Unit Andesite ash tuff (chlorite schist) - 3DT Structure: -moderate to strong shear foliation at 50* From(m To(m) intrvi(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb -bedding at approx 15* to C.A. where foliation is weaker To (m): 240.22 -@229-234m; intensely foliated at 65*, zones of chevron kink folds with Smpl والاردية فرقت فالتراج وروح والترا Lithology: d.greenish grey, fv.f.grained, foliated andesite to chlorite schist, axes at 0-5° to C.A. Smpl including dacitic ash bands up to 1m. increasing with frequency downhole Smpl StructFoln: 50 PrimryBed DbsKey: 15 12 Smpl -trace po-py blebbing Mineral'n: Smpl Smpl Assays: Remarks: - a 7

From (m) 240.22 Rock Unit Dacite ash tuff - 2DT	Structu	9: -weakly foliated			From(m	n To(m)	Intrvi(m)	Culoon	ι) Ζη(ροπ	i) An(nam) #	Auronh
10 (m) 244.40			Smp	I		• •			·/(pp:/) Odfbbul) V	ալիիս
Lithology: -grades from above andesite into greenish grey to grey, v.f.grained to aphanitic siliceous matrix, weakly chloritic leminae, bedded at 30'		n. New York (State State Sta	Smp	1							
	StructFot	PrimryBad 30 DosKey: 13	Smp	i							
	Mineral	tr.py-po	Smp Smp								
			Smpl			. 17		and the second s			
	Romad	ne Martin Martin Contractor and a second state of the second state of the second state of the second state of the	Assays	•							
From (m) 244.48 Rock Unit Andesite tuff						· 35.4		1.		2.	
Ta (m) 275.81	ລແກດທາ	non-foliated below 254m			From(m	To(m)	intrvi(m)	Cu(ppm) Zn(ppm)	Ag(ppm) A	u(ppb
Lithology: d.greenish grey, f.grained and equigranular, chloritic matrix, cut	Langer a	Se and a second se	Smpl			- 					
throughout unit by qtz veins as noted, matrix is chlorite schist proximal to vein systems	An and an an		Smpl		<i>w</i>	g of presentation					
-@247.81-248.08m, 248.53-250.2m, 252.0-252.54m, 267.66-267.78m;	Struct-oin	45 PrimzyBed 10 DbsKey: 14	Smpl		,	and the second			•		
chloritized and silicified local wallrock	Minerel'n	trace py-po -@259.28-260.14m lerge at vein 5% coerce po on contents	Smpl		- ' q.'	i ps. sietzielin 1					
-@253.28-260.14m; large qtz vein with digested wallrock contacts at 25° to C.A.	10.000 (1), C		Smpl	aan in	11 miles () ali "Billi ng S	Alexandra da alexandra d Alexandra da alexandra			nin The second second	en state d
	Remark	an a	Assays:			<11 <u>1</u> 24 -		al da an an Airtí		· •	12.2
From (m) 275.81 Rock Unit Rhyolite ash, cherty & MSSX - 1DT, Q.	Structure	-bedded at approx 20" to C.A			-			- tri-	. * 2	in the second second	-
To (m) 289.27 MSSX		-@283.25-284.2m; upper and lower diorite intrusive contacts sheared at 40 & 60*	Smol		From(m	To(m)	intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm) Au	dad)
ithology: pale greenish to whitish grey, f.grained to aphanitic siliceous matrix, hedded at 10° to CA	gendersen van Statutene van Statutene en		Smpl	340102	280.5	281.4	0.91	10001	236	58	125
-@279.6-280.33m; minor cherty laminae	StructFolm:		Smpl	340103	286	286.8	0.8	10001	102	2.6	35
-@200.63-201.38m; MSSX in cherty ash	e an in	-denerally up to 1% discourse and a set of the set of t	Smpl	340104	286.8	287.52	0.72	6940	120	2	80
-@283.25-284.2m; diorite lens, sheared contacts	Mineral'n:	@280.43m; 3cm qtz vein, 1% blebby chaico along contact	Smpl	340105	287.52	288.52	1	8210	116	2.4	70
-@284.2-289.27m; thyo ash is heavily qtz veined and brecciated, at 20* to C.A. SMMX in and along veine	a nigari A nigari	-@280.63-281.38m; MSSX-70% blebby py-pc, 10% net text, chalco -@281.38-281.83m; 3% po-py and tr.chalco in laminar dissemin,	Smpl	340106	288.52	289.27	0.75	4230	95	1	55
	Remarks	-@284.2-289.27m; SMMX is 20-40% as nettextured within and blebby	ssays;				• • • •		t nai		
and a second		contact rimmings; miner'n is 90% py-po rimming 10% chalco	filese Profilese					201 21 A 2 A			
an an an ann an thair an an an Annaiche an Annaiche an Annaiche an Annaiche an Annaiche an Annaiche an Annaiche An an an an an Annaiche an A	8+92 - D	elinali dinama della di sella del constanti del tra del ade anti internationale del sella della del di			÷.,	- 35	Station.		all said	t <u>st</u> eret,	g age (

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From (m) 289.27 Rock Unit Dacite ash & Iapilli tuff - 2DT.LaT	Structure: -bedded at 20*	2	1 4 4 -
To (m): 329.00	-@290.6-292.15m; strongly shear foliated at 55* to CA, then 292.15-	From(m To(m) intrvl(m)	Su(ppm) Zn(ppm) Ag(ppm) Au(ppb
Lithology med greenish grey foreined to enhance and the state of the s	形成の目前に 292.43 is brecciated and chloritized 新聞行行行 - @294-295 2m; strongh, shoes felicity diet and strong to a	Smpl	•••
to C.A., some blackish argillaceous horizons (in ash up to 40cm each)	schist -@323m; 20cm tault gouge at 90° to CA	Smpl	<u>,</u>
-@293-294m; qtz vein, barren, strongly chloritized contacts, 8cm qtz	StructFold: 80 PrimeBad 20	Smpl	e e e e e e e e e e e e e e e e e e e
Contract 237.46m Contract of the second s		5 Smpl	N
	Mineral'n:	Smpl	
	第21年7月、19年2月、6月1日。 19月1日日 - 11月1日日 	Smol	
	17 - 18 - 17 7 7 7 7 19 7 7 - 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Sub	and a second sec
	Remarks:-sequence is repetitive cycles of minor lapilli bands fining downhole	Assays:	
	into argill/cherty ash - overturned depositional sequence		
From (m) 329.00 Pock Unit Andreast and Andreast	de la factoria de la companya de la La companya de la com La companya de la comp	and the state of the	
To (m) 340.00 Hock Onix. Andesite ash tutt, cherty & arg - 3D F,Cy	Structure: -moderately well foliated overall	From(m To(m) Intrv/(m)	Quicom) Zainom) Aginam) Autoph
10 (m); 348.25	-@333.15-333.68m; chloritized fault gouge at 30* to C.A.	Smpl	and him to the second to the s
Lithology: d.greenish grey, f.grained grading to aphanitic matrix, odd fine lapilli		Smol	tr, solar
tuff laminae, is essentially chlorite-sericite schist, some cherty and	制作品的方式有效的。 1999年1月12月1日(1999年1月1日)(1999年1月)(1999年1月)(1999年1月)(1999年1月)(1999年1月)(1999年1月)(1999年1月)(1999年1月)(1999年1月)(1999年1		
a gindebedg terninde within unit vehably cut by qtz-calcite vehiets	StructFoin: PrimyBed DbsKey: 17	Smpi	an a
-@332.77-333.0m; barren white qtz vein at 30* to C.A.	-NVM, mineral poor	Smpl	an Alian ang ang ang ang ang ang ang ang ang a
		, Smpl	
	na de la constance de la constance 1 - Maria Constance de la const 1 - Maria Maria Maria de la constance de la cons	Smpl	and the second
	rene and an	Assaux:	👘 - se alam - Miller - medi Tuto - 🖌
	Hemarks: E. U.H. 346.25m		ina ' /
		May Service and a Construction of the Service	1 Xm

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NTS Ref. 92 B/13 Gid Northing: 10242	Elev (m): 6	841 Acid Test Dips: 80	-89! At(m) -89: At(m)	300 426 Casing le) 1.7 t yes	Holes HoleFin	ish.)	11/29/ 12/3/	98	Final De			
From (m) 1.701. Bock Unit Bhyonite ash trif - 1.0.7		m-dip extension of aurite	rous MSSX in C	oronation Zone down	plunge b	alow Abern	nin hole 8	7-184 - co	liared nex	to hole 87	-184		
To (m) 9.35 7 PT	Siuchus-pedde	9d at 5°			ан 1919 - Вт	P	From(n To(m)	. Intro(m	Cu(ppn)-Zn(opm	Ag(opm	Autop
natio, and the second					S			1					
	StuctFoin:	Primy/Bed	5.57	DbsKey									
	Mineral'n:	blebbing	2010 000 1000 100 100 100 100 100 100 10		Sm	2		-					
					5 Sm	1		1	1		1		
	Remarke			in selection (see) in the later of the second	A:->	-Au value -Ag value	s returne s returne	d from la	bas <5pp bas <0.2p	b read in thi progread in	is log as 4 this log as	nîminana opb :0.1ppm	
tom (m) 9.351 Rock Unit. Diorite - 6									70-11-11-11-11				
To (m) 21.15	-lower in	e itusive contact at 45°					From(m	To(m)	intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(opm)	Autopb
hology, d.emerald green grey, f.grained chloritic groundmass, to v.f.grained					Smp			+			ļ		
arong chail margins, calchic, saussuntized plagio phenos up to 1 cm.	Stuctfoln	PrimyBed		Contraction of the second	Smp	1							
	Mineral'n -trace py	euhedra	an nanks, ^{ser} t	a de la caracita de la	Smp								
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	Bemorke				Anoys			SC DOM:					
n de la companya de l Na la companya de la c													
om (m) 24.45 Pock Unit Rhyolite ash, cherty - 1DT,Cy	Stucture: -bedded	at 10"	alige for an	tis air sill selsi. Abri 204894			a transfer	和点得	Hereit.		ter an	TTER STOR	
	949.8 m;	10cm of fault gouge at 5	i5°		Smpl			1 own			2n(ppm)	Ag(ppm)	Au(ppb
Diogy; pale greenish to I.grey, v.l.grained to aphanitic siliceous qtz-sericite matrix, minor fine lapilli grain bands, cherty bands, most prevalent					Si Smpl	340085	31.38	32.54	1.16	800	44	0.6	55
terse below 47m; few argillaceous wisps 26-27m	Stuct on	Primry Bed	10t - 1	DbsKey	Smpt	340086	47.55	48.921	1.37	35(192	0.4	35
	Mineral'n: Gan A 22	t po-py disseminated	Realized 23	The state of the second	Smpl	340067	48.92	49.92	1	46	132	0.41	95
	in cherty a		seminations to	0.5cm & 1% chaico	Smpl	58 15				-			an a
	Hemarks:	m: 5% disseminated po- approximation in the state of the	py in laminae, l	1% chaice water water that your and	Assays;	AT LEW DETUL	ureen al	anna a'			Contraction of the		Turine d
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From (m) 53 40 Rock Unit Ahyo-dactic crystal tuil -1.2CT Structure - bedded at 35' -G8959-702 m. fault gouge at 30' Smpl Libbology med - (greenich grey, tgrained to v1g grained, crystalline siliceous matrix with minor chlorite, few argulaceous wispy honzons Structure - bedded at 35' Smpl Structure - bedded at 35' Smpl Uibbology med - (greenich grey, tgrained to v1g grained, crystalline siliceous matrix with minor chlorite, few argulaceous wispy honzons Structure - bedded at 35' Smpl Structure - bedded at 35' PrimyBed 35 DbsKey Smpl Minereln, - up to 1% disseminated py euhadra Smpl Smpl Prom (m) 77.50 Rock Unit Andesste crystal tuil - 3CT Structure - variable weak to moderate foliction at 45' To (m) 117.10 Andesste crystal tuil - 3CT Structure - variable weak to moderate foliction at 45' - Gelde 410', v1g grained chlorite mark with pi to 25 stratio 5 mm, strongly sheard at 10' Smpl - Gelde 4112' 11' un unit strongly sheard at 45' Smpl - Gelde 4112' 11' un unit strongly sheard at 45' Smpl - Gelde 4112' 10' 15' Strete / Smiss strongly sheared at 45' Smpl - Gelde 4112' 11' un unit strongly sheard at 45' Smpl - Gelde 4112' 11' un unit strongly sheard at 45' Smpl - Gelde 410'' 10' 15' stretety / Smiss Smpl Smpl	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 tuchsite/mariposite, few cherty laminae -@54-56m, a few blackish argillaceous laminae -@545m & 59.1m; 5cm baren white qtz vein, chloritic contacts, NVM -@694-77.5m, slight chloritic enrichment of ash matrix (qtz-chl sch), med greenish grey with Lgrey rhyo ash intrabands, argill, wisps	Structure: -moderately foliated at 15° -bedded at 35° -bedded at 35° -@69 97-70 2m. & 72 6m. fault gouge at 30° to C.A. Smpl StructFoln: 15 15 PrimryBed 35 Mineral'n: Smpl Smpl Smpl Smpl Smpl Smpl Smpl Mineral'n: Smpl Remarks; Assays:	From(m To(m) Intrvl(m) Su(ppm) Zn(ppm) Ag(ppm) Au(ppb
From (m) 69.40 Pack Unit Physo-dactic crystal tuff -1.2CT Structure - bedded at 35°066397-70.2m. toult gouge at 30° From (m) Smpl Ubhology med H greenish grey, faraned to vid grained, crystalline silicous metrix with minor chlorine, few argitlaceous wispy honzons Smpl Smpl Smpl Structure - bedded at 35°066397-70.2m. toult gouge at 30° Smpl Smpl Smpl Ubhology med H greenish grey, faraned to vid grained, crystalline silicous metrix with minor chlorine, few argitlaceous wispy honzons Smpl Smpl StructPoin: PrimyBed 35 DbsKey: 5 Smpl Grow (m) 77.50 Rock Unit Andesite crystal tuff - 3CT Structure - vaniable weak to moderate foliation at 45° Smpl To (m) 117.10 Andesite crystal tuff - 3CT Structure - vaniable weak to moderate foliation at 45° Smpl Ubhology dt for med greenish grey, toxturally bended/bedded at 10°, vi grained chlorine metrix with up to 25% statu form, lew qtr-calcies weinites chieft Smpl Smpl Ubhology dt for med greenish grey, toxturally bended/bedded at 10°, vi grained chlorine sencible schieft Smpl Smpl Ubhology dt for med greenish grey, toxturally bended/bedded at 10°, vi grained chlorine sencible schieft Smpl Smpl Ubhology dt f			
matrix with minor chlorite. (ew argitlaceous wspy honzons StrudFoln: PrimyBad 35 DbsKay: Smpl StrudFoln: -up to 1% disseminated py euhedra Smpl Minerel'n: -up to 1% disseminated py euhedra Smpl From (m) 77.50 Rock Unit. Andesste crystal tuff - 3CT Structer: -variable weak to moderate folicition at 45' To (m) 117.10 Comorded bedding below 30m chlorets schist Smpl -Benerks: -Benerks gray: From(m. To(m) Intrv/(m) Cu(ppm) Ag(ppm) Au(ppb -Below 102 4m, unit took is chlorite-sericite schist Smpl -Uthology: d to med greensh gray: tenturally bended/bedded at 10'.v1 grained obding below 30m chlorets schist Smpl -Below 102 4m, unit took is chlorite-sericite schist Smpl -Uthology: d to med greensh gray: tenturally bended/bedded at 10'.v1 grained obding below 30m chlorets gray tenturally bended/bedded at 10'.v1 grained -989.483 fm bends up to 25% stal to 5mm. Kew qt-calcite veinlets -below 102 4m, unit took is chlorite-sericite schist Smpl -G0105 55-105 7m, 5% blebby po-py, k trichalco Smpl -G0105 55-105 7m, 5% blebby po-py, k trichalco Smpl -G0105 55-105 7m, 5% blebby po-py, k trichalco Smpl -G0105 55-105 7m, 5% blebby po-py, k trichalco Smpl	From (m) 69.40 Rock Unit. Rhyo-dacite crystal tuff - 1.2CT To (m) 77.50 Lithology: med -Lgreenish grey, figrained to v to prained crystalline siliceous	Structure: -bedded at 35° -@69.97-70.2m, tault gouge at 30° Smpl	From(m To(m) IntrvI(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
StructFolm: PrimyBad 35 DbsKey: 5 Minerel'n: "up to 1% disseminated py eukedra Smpl Minerel'n: "up to 1% disseminated py eukedra Smpl From (m) 77.50 Rock Unit Andesite crystal tuff - 3CT Structure: Variable weak to moderate foliation at 45' Smpl To (m) 117.10 Andesite crystal tuff - 3CT Structure: Variable weak to moderate foliation at 45' Smpl Lithology: d to med. greenish grey. texturolly banded/bedded at 10', vi grained chlom c matrix with up to 25% stall to 5mm. Tew qtr-colicte veinlets oblow 102 4m. unit rock is chlome-sencicle schist StructFolm: 45 PrimyBad 10 DbsKey: 5 StructFolm: 45 PrimyBad 10 DbsKey: 6 Smpl StructFolm: 45 PrimyBad 10 DbsKey: 6 StructFolm: 45 PrimyBad 10 DbsKey: 6 StructFolm: 45 PrimyBad 10 DbsKey: 5 Oto 11% theely disseminated py StructFolm: 5 Smpl -00 15% structFolm: 45 PrimyBad 10 DbsKey: 5 -01 15% theely disseminated py -01 10% blebby porpy, 8 tr chalco Smpl Smpl -01 15% theely dis	matrix with minor chlorite, few argillaceous wispy horizons	Smpl	
From (m) 77 50 Rock Unit Andesite crystal tuff - 3C7 Structure: Asserys: From (m) 77 50 Rock Unit Andesite crystal tuff - 3C7 Structure: Variable weak to moderate folicition at 45' From(m To(m) Intrv4(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb) Lthology d. to med greenish grey, texturally banded/bedded at 10', v1 grained chointer activity tho to 25% staff to 5mm. few qtr-calcite veinlets Structure:		StructFolm: PrimryBed 35 DbsKey: 5 Smpl	
From (m) 77.50 Rock Unit Andesite crystal tuff - 3CT Structure: variable weak to moderate folicition at 45° Assays: To (m) 117.10 Structure: variable weak to moderate folicition at 45° Smpl Lithology: d to med greenish grey texturally banded/bedded at 10°, v1 grained chlorite matrix with up to 25% xstal to 5mm. few qtp-calcite veiniets or explicition at 45° Smpl - Geonotored bedding below 93m in chlorite schist Smpl - Structifier - Geonotored bedding below 93m in chlorite schist Smpl - Global 417 1m. unit is strongly sheared at 45° Smpl - Geonotored bedding below 93m in chlorite schist Smpl - StructFolm: 45 Primy/Bed 10 DbsKey: 5 Smpl - Winerdin: - Ogi 34 433 5m: bends up to 2cm of 10% blebby porpy, tr. chelco Smpl - Ogi 35 55-105.7m. 5% blebby porpy & tr. chelco Smpl - Ogi 35 55-105.7m. 5% blebby porpy & tr. chelco Smpl		Mineral'n: Smpl	
From (m) 77.50 To (m) Rock Unit Andesite crystal tuff - 3CT Structure: -variable weak to moderate foliation at 45' -@contorted bedding below 93 m in chlorite schist Smpl Lithology d. to med. greenish grey. texturally banded/bedded at 10', v1 grained chloritic matrix with up to 25% xstal to 5mm, few qt2-colicite veinlets -below 102 4m, unit rock is chlorite-sericite schist StructFolin: 45 PrimyBed 10 DbsKey: 5 StructFolin: 45 PrimyBed 10 DbsKey: 5 Smpl -Up to 1% 'streeky' disseminated py -@015 55-105 7m. 5% blebby po-py, tr. chalco Smpl -@015 55-105 7m. 5% blebby po-py & tr. chalco Smpl		Smpl	
From (m) 77.50 Rock Unit Andesite crystal tuff - 3CT Structure: variable weak to moderate foliation at 45° From (m To(m) Intrvl(m) Cutppm) Ag(ppm) Ag(ppm) Au(ppb To (m) 117.10 Introduction of the structurally banded/bedded at 10°, v1 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° Smpl Structure: -@99.95m, strongly sheared at 45° Smpl Smpl -@102 4-117.1m, unit is strongly sheared foliated at 45°, chlor schist Smpl Structure: -@102 4-117.1m, unit is strongly sheared foliated at 45°, chlor schist Smpl Structre: -@102 4-117.1m, unit is strongly sheared foliated at 45°, chlor schist Smpl Structre: -@102 4-117.1m, unit is strongly sheared foliated at 45°, chlor schist Smpl Mineral m: -@105 555-105.7m, 5% blebby po-py, tr. chalco Smpl -@105 555-105.7m, 5% blebby po-py & tr. chalco Smpl -@105 555-105.7m, 5% blebby po-py & tr. chalco Smpl Remarks: Assays:		Remarks:	
From (m) 77.50 Rock Unit. Andessite crystal tuff - 3CT Structures: -variable weak to moderate foliation at 45' From (m To (m) Intrv4(m) Cu(ppm) Ag(ppm) Ag(ppm) Au(ppb To (m) 117.10 Structures: -variable weak to moderate foliation at 45' Smpl Lithology: d. to med. greenish grey. texturally banded/bedded at 10'. vf grained chlorite matrix with up to 25% xstal to 5mm. few qtz-calcite veinlets -below 102 4m. unit rock is chlorite-sericite schist Structures: -variable weak to moderate foliated at 45'. chlor schist Smpl Structure: -variable weak to moderate foliated at 45'. Smpl Smpl Smpl -@102 4m. unit rock is chlorite-sericite schist 45 PrimyBed 10 DbsKey: 6 Mineral ⁿ : -@33 4:93 5m: bands up to 2cm of 10% blebby po-py. tr. chalco Smpl Smpl Remarks: Assenys: Remarks: Assenys:			
-below 102 4m, unit rock is chlorite-sericite schist -below 102 4m, unit rock is chlorite-sericite schist StructFoln: 45 PrimryBed 10 DbsKey: 6 Smpl -up to 1% 'streaky disseminated py -@93 4-93 5m, bands up to 2cm of 10% blebby po-py. tr. chalco Smpl Smpl -@105 55-105.7m, 5% blebby po-py & tr.chalco Smpl -@105 55-105.7m, 5% blebby po-py & tr.chalco Smpl	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', v1 grained chloritic matrix with up to 25% ystal to 5mm few d2celeto variates	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 Smpl	From(m To(m) IntrvI(m) Cu(ppm) Zn(ppm) Ag(ppm) Au(ppb
Succroin. 45 Primrydded 10 DbsKey: 6 -up to 1% 'streaky' disseminated py -@93 4-93 5m; bands up to 2cm of 10% blebby po-py, tr. chalco Smpl -@105 55-105.7m; 5% blebby po-py & tr. chalco Smpl -@105 55-105.7m; 5% blebby po-py & tr. chalco Smpl -Remarks: Assays;	-below 102.4m, unit rock is chlorite-sericite schist	Structure of States and Stat	
Mineral'n: -up to 1% 'streaky' disseminated py Smpl -@93 4-93 5m; bands up to 2cm of 10% blebby po-py, tr. chalco Smpl -@105 55-105.7m; 5% blebby po-py & tr.chalco Smpl 'Remarks: Assays;		Stuctrom, 45 Primrybled 10 DbsKey, 6 Small	an a
Remarks:		Mineral'n: -@93 4-93 5m; bands up to 2cm of 10% blebby po-py, tr. chalco	na an an Araba an Ar Araba an Araba an Arab
Remarks:		see al lief - 19105.55-105.7m; 5% blebby po-py & tr.chalco Smpl	in the state
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From (m) 117.10 Rock Unit Diorite - 6	Structure: wookky shoes fellete dies for						
To (m) 119.00	-qtz-calcite veinlets offset by slins at 30*			From(m To(m)	ntr√l(m)	Cu(ppm) Zn(ppm)	Agippm) Au(ppb)
1 ittological constant and a second		Sm	pl				2011-20-04
Calcareous, figrained, equigranular matrix few gtz-calcite values		Sm	pl				
	StructFolm: 50 Prime Part	Sm	pl				
		DosKey: 7 Sm	ol			1ei	
	Mineral'n	Sm	ol				
	and the second secon	Smi					
	Remarks:	Assay	5:				
	and and a second se						
From (m) 119.00 Rock Unit. Andesite crystal tuff - 3CT	Structure: -strongly foliated into chlorite schiet at 50*	n an					
To (m). 123.20		1. j.	and a	From(m To(m) Ir	tr√l(m)	Cu(ppm) Zn(ppm)	Ag(ppm) Au(ppb
Lithology -as in above andesite unit 102 4-117 1m		Smp	1 				2
		Smp	1				
-@(119-120.05m, several 3-15cm wide qtz veins & contact SX	StructFoin: 50 PrimryBed	DbsKey: 8	1 340088 1	119 120.05	1.05	6640 192	3.4 300
	Mineral'n -5-7% net-textured py & cp along vein contacts	Smp		n an		de la composition de la compos	Town
		amp		the states and the	÷.,	and the second sec	ti da seconda de la composición de la c
		Smp				1 17	
	Remarks;	Assays	f				· 2 · .
	$\frac{1}{2} \left[\frac{1}{2} \left$	يوند. ويكن أن ي					
From (m) 123.20 Rock Unit Dionite -6	Structure						
To (m) 129.90	bildcare. "Sheared upper and lower intrusive contacts at 50	, otherwise massive		From(m To(m) Int	rvi(m) (Dippm) Zn(ppm)	Ag(ppm) Au(ppb
tholomy as in show digito 1171.118.0-	Bernard M. M. 2008 Construction of the second seco second second sec	Smpi					
		Smpl					
	StructFoln: PrimyBed	Smpl			÷		(A
		Smpl		· · · · ·			e
	Mineral'n;	Smpl					·
		Smpl	1.0				i a
		Assevs				5. :	
	Remarks:						
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From (m) 129.90 Rock Unit. Andesite crystal tuff - 3CT To (m) 181.66 Andesite crystal tuff - 3CT Lithology. d greenish grey. up to 30% saussuritized plagio xstals in 1 grained blackish chlorite-rich matrix shows some textural banding. locally originated plage of the texture of texture of texture of the texture of tex	Structur	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	Smpl Smpl		From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
veining	StructFoin	PrimryBed 45 DbsKev t	Smpl	340089	159.37	160.32	0.92	3450	352	1.6	60
-@135-137m, matrix is sheared/serpentinized -@146.03-147.1m, 152.2-152.94m; thus for a state of a	and the second second	-disseminated and blebby no-ny up to 1%	Smpl	340109	160.21	161.24	1.03	1760	116	0.0	35
@148.15-149.25m; diorite intrusive, lower contact 4cm SMMX	winalci.0	-@138.68.141.5m; 38.9cm bands of SMMX (po-py) at 45*, more	Smpl	340110	161.24	162.86	1.62	346	96	0.1	10
-@157-162 9m, chl-ser schist & SMMX bands of po-py & tr.cp		Daulings at 159.2-160m;	Smpl	340111	162.86	163.81	0.95	6860	182	2	70
with minor SMMX laminations -@170 78-161.66m; chlorite schist, few small deformed qtz veinlets	Remark	anna an ann an ann an an an an an an an	Assays:								
From (m) 181.55 Bock / Int Dhugitte In 184-1			l station The Station								
To (m) 189 00	Structure	-moderate to strongly foliated at 50* -bedding apparent at 45	Quant		From(m	To(m)	Intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm) A	ddd)ny
Lithology pale greenish L-med.grey, 15% increasing to 40% med -coarse qtz grains in v1 grained qtz-sencite matrix, textural bedding visible as			Smpl	in an			10 5	 			
	StructFoin:	50 PrimryBed 45 DbsKey. 11	Smpt Smpt	a da ser da s Ser da ser da		··· ·· ·	n da series La composición de la composición de la La composición de la c		• •		
	Mineral'n:	часе ру	Smpl	ار بری منبع ا				je je			
			Smpl	urioda ini. R		1981 - 1 ₉₈ - 1		- k		2	
	Remarks	Received of the state of the st	Assays:	e <u>hi</u> ne di		in f		91 - 12 - 12		to suit.	
From (m) 189 00 Rock Unit Andesite tuff -3T To (m) 221.25	Structure.	moderate to strongly foliated at 40-50" @195.45-197.86m; fault zone-sheared under contect at 50° and thick			From(m T	0(m) li	ntrvi(m)	Cu(ppm) Z	n(ppm) A	q(ppm) AL	u(ppb
Lithology med -d greenish grey by targined chloring school and the		ault breccia, lower contact at 30*, -@201-208m; str.sheared chi.schist	Smpl								
fine qtz-calcite veinlets, many repetitive (cyclic) gradations into med-			Smpl			1 - 1				1 at	
Egrey, thin (KU.3m) rhyolite ask intrabands (qtz-sericite-chlorite schist), blackish argillaceous wisps and thin laminae below 197m; cg209 55-210 tim 210 46-2121 dm; 214 52-318 2-318 2-309, 20	StructFoln:	45 PrimyBed 25 DbsKey 12	Smpl Smpl	340090	211.48 2	12.04	0.56	4470	236	1.8	65
rhyodacitic tuff band & minor SX	Mineral'n:	@195.45-197.86m; 5% dissemminated py in fault breccia @208.5-209m; several qtr-calcite verillets. 5% py blebs, 1/2% cp @209.55-2101.hm (fault on an under the index of the ind	Smpl		n paa N	47 io 19 10			۰ ها ۱	··· 4 ·	
		@210.46-212.14m; net-textured py-po & cp to 5% locally	Smpl							,	
ang	Remarks:	en 2014 - El Carlo Angel, Charles And Charlen Andrich (1996) - [17] Andread and Andrea (1997)	Assays:							e	
n an 1997. An t-Anna an Anna an Anna an Anna an			a da a								
n an	las de la secolo	- Andreas and a second s						- -		ŧ	

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From (m) 221.25 Rock Unit. Andesite-decite tuff - 3T, 2T	Structu	######################################									
Ta (m) 227.58	$\frac{1}{2}$		27		From(m	To(m)	intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm	1) Au(ppb
Lithology: -gradation from above unit into.	- 1		Smpl			1.5 - 1					
alternating bandings (up to 8 cm each) of d greenish grey, f grained,			Smpl		£			e a sterioù. Ge		· .	
cherty qtz-sericite-chlorite schist, few deformed atz-calcite verilate	StructFol	FimryBed 20 DhsKey 13	Smpl	No. 1 and and a	1. 				2		
-@226.8-227.1m; barren white qtz vein, NVM		minor disseminated normalization of the	Smpl		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	- 77 2		n Synamic Contraction The	eren dite F	1.4	°.₩
	Mineral'		Smpl	1.1.441.121.1	gerendens Pr	• 76 (19 7 7) .	lan a say ga ang	in en al Alta an	1971 - 1975 - 1975 F		
	4) - 41 - 52 - 54 - 57 - 57 - 57 - 57 - 57 - 57 - 57 - 57		Smpl) 1 ⁴ 1 4 14 14, 14 - 5	ger en	··· • 2 2 4 1	en e	6		i sa s	n Narana ar a
	Bomeri		Asema	5.900-00 1	an the co	2.9 J	t naber	Ne stal	ing sa s	a sharar	i Lift on Long
and a second	- roman		,								
From (m) 227.58 Rock Unit Andesite tuff -3T	Structure	s -strongly shear foliated at 40', proto-bedding noted at 20 *			2	- (* *# -) - (* -)					
To (m) 235.80	0.354 - 1745 1945 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747 - 1747	-@231.68-232.88m; fault gouge breccia - brecc'd vein qtz fragments in		5	From(m	To(m)	IntrvI(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Lithology: d.greenish grey, f-v.f.grained, chlorite (and minor sericite/saussurite		at 10° to CA with 1-3% disseminated ny-no.	Smpl	, . ++		ة محمد با	4 T	1		4	1 40 44 221 81
schist numerous boudinaged/sheared qtz veinlets up to 1 cm thick			Smpl	י ד רוב איז הוי	i 1910 - Standard Stand 1917 - Standard Stand 1917 - Standard Stand 1917 - Standard	i so mo di	, i	£ 11.			2 8 2
	StructFolm	40 Primy/Bed 20 DbsKevi 14	Smpl	340091	231.1	231.42	0.32	849	86	0.6	40
		-@231.3m; 2cm MSSX band of co-po-pic shoar fractional interview	Smpl	r F The administration of the second	- -	1	n na sange Liter King	r∳n mer nj	andra Andra S	18-22 8 25. 1 7	ere e conse T
	Minerein	offsets	Smpl	e.			n a nation se s tra tra	r¥n naarii 2. 1 j = - Z	197 197 127 4 127 3 1	n an ar sert. A ≣	genner er ut B
	1. 1. 1. 19	開きたが、「「「「」」では、「「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」」では、「」」では、「」」では、「」」、」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」では、「」」、」」、」、」、」、」、」、」、」、」、」、」、」、」、」、」、」、」	Smpl	() aar () () () () () () () () () () () () ()	is na ve se F	. так. тыс. ф. 1	iairat⊻in∰i ≞ ∳i-	Ngenaans se viel. Ngenaans se viel. Ngenaans se viel.	na a confi a	a an an Ès S	Proprietaria d
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Emm (a) 225.00 D. (1) ; [2]	1	n Anne an ann an Anna an Anna an Anna an									- 7 1
Tom (m) 235.80 Rock Unit: Rhyolite ash tuff - 1DT	Structura	-moderately foliated	1902149	619 mil	Emandar T					 	
10 (m);] 238.40	Hunny The Par		During	te destruit y	riom(m l)	0(m) ł	ntrvi(m)	Cu(ppm) Z	n(ppm) A	\g(ppm)	Au(ppb
Lithology: whitsh I grey, predominantly v.f.grained qtz-sericite schist, <10% fine	$\eta = -\eta_{ch}$	j - 1	ompi	n satur (). Si in satur en	eress Sis	v an ge	£ -	in Na Kariwa wa		е Наста — Э	7 3 5 10 11 10 14
a lapili grans		n	Smpi	ž.: 4. 24 - 3		ditte and the			1		
	StructFoln:	40 PrimryBed DbsKey: 15	Smpl		e e e e estas	ine nerez	£ 1	- 4 1	<u>.</u> .	,	
	Minoralia	-т. ру-ро	Smpl	er ratio fini	n an airtean. Na an airtean		i jen				
	1	$\frac{1}{2}$	Smpl		e en eller	l tuluarie	E.			an man S	- ■**
			Smpl	2 			F -	nghan ka an san Na	na ar airign	1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19	1997 - 1996 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
	Remarks:	llevite Andrike et v Viller (tre en else freder 2012) et en verskil hiefere en else frider (der 1921) et else	SSBYS:		e e e la fait	1777-5		1	сі ніна 1	a la colto	R - 1
			11990					5 . 5			4
	e de la parte de la caractería de la composición de la c										1
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Nucanolan Resources Ltd - Signficant Results, 1998 Lara Project Diamond Drilling

DDH N	o. From(n	n) To (m)	Interva	i SAMPLE	Au	Au	Ag	Ag	j As	i Cu	Cu	РЬ	РЬ	7,	70
			(m)	NUMBER	ppb	g/i	t ppm	g/	t ppm	ppm	*	ppm	*	ppr	· ~
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	
-	77 60	70.00													
9000	11.52	78.29	0.77	340073	410		2.2		44	121		318		1520	
9905	30. 44 00.3	89.3	0.86	340078	1320	1.54	>100.0	138	1850	6310	0.7	>10000	1.3	>10000	9.17
9905	100.24	101.24	U.94	340079	1640	1.23	36.4		306	4760	0.64	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
9905	101.35	102	0.65	340081	665		17.6		170	1520	0.16	1310		>10000	1.4
3600	102	102.98	0.98	340082	370		21.2		92	3970	0.42	2530		>10000	3.02
9807	74 46	75 77	0.76	240040											
9807	80.55	81.39	0.10	340022	140		1.8		24	3440	0.36	<2		176	
9807	84 69	85.92	1.23	340033	20		1.4		6	5280	0.54	<2		184	
	0	00.02	1.45	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 4 2	- 40000			
9809	140.9	141.55	0.65	340046	815		53.8		80	>10000	4.09	502	0.38	>10000	32.3
9809	141.6	142.32	0.63	340047	2610	1.92	39.2		112	>10000	4.03	382		>10000	12.75
9809	142.3	143.36	1.04	340048	690		22.2		19	>10000	4.0	190		>10000	10.35
9809	147.92	148.6	0.68	340049	1505	2.19	>100 0	144	310	>10000	1.0	32		1095	
				-			- 100.0		510	-10000	0.33	<2		>10000	1.13
9810	61.97	62.55	0.58	340107	285		6		74	9770		17		220	
9810	80.9	81.46	0.56	340108	50		1.8		60	2960		12		230	
												~2		108	
9811	144.79	145.08	0.2 9	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	Structure	-mod share foliated as 40° has been shown as a second	T. Neterlander	e Allenatere de	1. (2. a) - a - a					
To (m): 270.78 + 44	in the	-@239.44m; shear at 25'; -@249-251.4m, 262.03-263.04m; fault zone-	· 规定的 4	From(m	To(m)	IntrvI(m)	Cu(ppm)	Zn(ppm)	Ag(ppm	i) Au(ppt
Linology: med. greenish grey to grey, minor (<5%) gtz tapilli grains in v t grained	Trin Seland	-@260.43m; tight Z-kink folding	Smpl	EF) Frankriger		1	· • • • • • • • • • • • • • • • • • • •	n of the Ethnology F		
to ephanitic qtz-sericite chlorite matrix, pervasive and variable qtz-			Smpl		•		negeneering Ng	eneriana ana 1 1		prietricen. Pl
-@263.04-270.78m; basal? - v.d.blackish green grey, v1 grained and	StructFolm	40 PrimyBed 20 DosKay	6 Smpl	na prijeteranov		l		[anteres E Ag
equigranular, v.soft talcose on fracture surfaces, pyrox-rich	Mineral	-locally 1% minor disseminated py	- Smpt	- <u>1</u>	n Real and		and a second second		r wordt.ce	2. 2.
			Simpl	ing All and and a second						F
			Smpl	13 Alexandra da	10.778		್ರ ನಿಷ್ ಇಲ್ಲಾ ಸಂಕಾರ			
	Remarks		Asseys				188 - Franzis Alberto 	a la sela la la	LIF. 749'B	f., 26
n an 1 mar ann an ann an an ann an ann ann ann a		2					23 26			
From (m) 270.78 Rock Unit Phyolite crystal tuff - 1CT	Structure:	-upper 2cm pourty shear contact at 40: Januar fault and a 17	n an	计生产系统	(1914).	alana ar	Ver gener		29. F.F.	e e estra
To (m): 274.68		1, som gangy and a contact of 40, how an iduit contact at 55.		From(m	To(m)	IntrvI(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
ithology: pele greenish l.grey, siliceous v.f.grained to aphanitic matrix, variably			Smpt			-	Lateration of the]	P P	
and pervasively cut by qtz-calcite veinlets			Smpt			an an a l	A atom of the			
	Studfield	PrintyBeci DosKey 17	Sny		en marananig P		Andreas and a state of the second		11 25	
	Mineral's	тасе ро-ру	Smp	-B]		₩-e:	i Vij Angen anderen der	entress (, 	1
	pon e og H		Contra	ff and	an a	ter an	April 1995	in the second	i Si Bruthan ar Si	allader iva
	h an that the second			EF. 1 HALT PERSON	i Suran G	TE ARMENTAL	51 1907 - 1979 - 1979	สะหมายไ	f. Z. s. m ariy	- 9 -
	Remarks	and the second state of the se	Assays:				1		- 187 - Norman Brit Japan	
render 199 Terren - Andreas Andreas (1997) Terren - Andreas Andreas (1997)		19 Annual State (Second State Stat								
From (m) 274.68 Rock Unit: Andesite tuff -3T	Structure:	veckly foliated: bedded at 25*	in the state of the second		internation Palatation (* 2014	lehekî direk. A	en e	ر. ریوندو ادوک ^{یر او} ی		Servero a
Tg (m) 293.70	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	-		From(m	To(m) k	ntrvi(m)	C((ppm) Z	(n(ppm)	Ag(ppm)	Au(ppb
thology: blackish green-grey, f-v.f.grained (fining down) chlorite-sericite schist	i in the second second		Smal	Fill Million and Andreas and Andreas Million and Andreas and Andr	war ron 1 a	tini La constantini	ร สารประเทศเตรียง	aa marada	anner an dia.	
minor reisic ash laminae, pervasively cut by qtz-calcite veinlets,		THE REPORT OF THE OFFICE OF	Smpt Const		หมงคะครั้ง หมงคะครั้ง	म य पार्क सामित म य पार्क सामित	+ Faran Strongford	สาวมาคร.ค.ศ. รู้รู้ สาวมาคร.ค.ศ. รู้รู	an an an di.	
A277-200	Struct oin:	PimyBed 25 Dbskey 18	Court			r	****.p.1====	าะ:-เมรตรม เป็ดะ รู้รู้		antikiliket, rendetaran
The second several whee qtz veins up to 2cm, all at 30° to CA.	Minerofin	race py euhedra	Empl	<u>[]</u>	na		ระกับ พระการแล้วเ			Saniga and a san a san
		i and a second se	Smpl	fill Georgen Biologia	स्थला साउम्ब ह	*** 	anger and far	र संबद्धक के स्ट्रेस	T.T. Marcine Sec.	- aanta arrad ar
	1993 - 1997 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		and the second sec	tru. 17. saint in Fi) Alfreithean (2)	en Line and the	ivi ∮ Vertake	new Labo	r F	
TENER CONTRACT T	Remarks		A950/9							
	ting - internet		an And				14			į

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From (m) 293.70 Rock Unit. Rhyolite ash tuff - 1DT	Structure -bodded at 10							
To (m): 299.40			Fr	om(m Toin) Introd(m)	()	(nom) Ag(no-	
and the second		Smpl			y	cathbud Su	(ppm) Ag(ppn	n) Au(ppp
Lithology med -I greenish grey, v.f. greined siliceous qtz-sericite matrix, 20% qtz			e e e e					
grains, pervasively cut by qtz-calcite veinlets		Smpl	4					
·@297 35m 3cm rtz vein et 50° chloriticed as to 5cm in chl.matrix	StructFoin: Prime/Bed 10	Smpl						
e contects, sent que vent al 50 ; chiuniured contects, NVM	UDSKey: 1	9 Smol	97 - 19 1					
	Mineral'n: -few minor bands up to 10cm of 1-3% disseminated py-po	Count						
	(1) M. S. W. Samana and S. G. G. Samana and S. Saman Samana and Samana and Sa Samana and Samana and Sam Samana and Samana and Samana Samana and Samana and Samana and Samana and Samana a	Smpi	an anger a sa s					
		Smpi						
	이 있는 것 같은 사람들은 가장 같이 있는 것을 가지 않는 것이 있는 것이 없다. 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 없다. 것이 있는 것이 있는 것이 있는 것이 없는 것이 없는 것이 없는 것이 없다. 것이 있는 것이 없는 것이 없다. 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없 않이 않이 않이 않았다. 것이 없는 것이 없다. 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 않은 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 않은 것이 없는 것이 없는 것이 없는 것이 없다. 않은 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 않은 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 않은 것이 없는 것이 없는 것이 않는 것이 않는 것이 않는 것이 않는 것이 없다. 않은 것이 없는 것이 없는 것이 없다. 않은 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다. 않은 것이 않은 것이 않는 것이 않는 것이 않는 것이 않이	Acomo	Aller and a	1				
	Hemarks	Assays.						
From (m) 299.40 Bock Unit Decite with -21 aT								
	Structure: -upper shear contact at 20*		. Em	m/m T_()				
io (iii) ana co	stim militaria distanti de la constructione de la construcción de la construcción de la construcción de la const Esta construcción de la construcción	- · ·	1. 1. 1.	unnu iolud	intrvi(m)	Cu(ppm) Zn(ppm) Ag(ppm)) Au(ppb
Lithology: med.grey, t-med.grained lapilli in v.f.grained siliceous ash metrix		Smpi	ang aga ta					
minor chlorite in matrix, locally silicified and epidotized along contacts	Harver, C. C. and Strengther.	Smpt						· v
to numerous qtz veinlets subparallel to C.A.	StructFolm	Smpl	340092 29	977 300 5	3 0.76	·· .	40 0.4	÷.
-w239.77-300.53m; qtz vein, tractured wallrock halo, silicified	DbsKey: 20	Smol		0.77 300.3	J U.70	204	40 0.1	4
	Minarelly -trace po-py blebs along vein contacts	ompi	en e e contra de la contra de l					
	-@299.77-300.53m; qtz vein.5-10% net textured po-py & 1% cp	Smpl						· +
	(iii) (1) (1) (iii) (Smpl						
						1.4.4		
	2. Remarks:	Assays:						
From (m) 365.22 Back Line Andrew - 10	ann a chaile a' chaile ann an an ann an an an an ann an ann an a	말 아내는 것이 같이 같이 같이 같이 같이 같이 같이 않는 것이 같이 않는 것이 같이 많이 했다. 말 하는 것이 같이 많이						
How the JUSZE Hock One Andesite ash&crystal tuff - 3DT,CT	Structure: -bedded at 10° to C.A.		E					· · · · · · · · · · · · · · · · · · ·
lo(m):] 330.82	weakly foliated at 30"; non-foliated below 321.12m		From	i(m io(m)	Intrvi(m)	Cuippm) Zn(p	pm) Ag(ppm)	Au(ppb
Lithology digreenish grey vf grained to aphenitic ach maker at the	-@32217m 3cm (with annual strongly sheared at 30*	Smpl						11 A.
grains, pervasive and variable atz veinlets texturally banded		Smpl						
-@318 86-319.75m; sheared chlorite schist, v.soft gtz vnits@75*		Smol	340093 330	92 2221	1.00			9
-@320.43-321.12m; barren qtz vein, chl.&silicif.halo, contact py	ovucroin. 30 Phmyded 10 DbsKey: 21	. C	330	02 332.1	1.20	132	112 0.4	50
Buildramiler chloritic on steller	Hew SMMX disseminated bands up to 1cm <1% no-my	Subi	marak É.				-	
-@325.44-326.62m; numerous atz veins chlor context =135%-0.4	@ 328 5-332.46m; qtz veined shear zone with 5-10% blebby no-my	Smpl						t <u>i</u>
-@328 5-332.46m; gtz veined shear zone, several 2-4cm atz veins and		Smpl	•					В.
more veinlets, v.chloritic, blebby po-py & dissem bands to 1 cm	na na seconda en la constanta de constanta en la constanta de la constanta de la constanta de la constanta de En la constanta de la constanta de constanta de la constanta de la constanta de la constanta de la constanta de		· · · · · ·					<i>4</i>)
	Remarks:	Assays:						
(a) A subject of the second s second second se second second s second second s second second se								

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From (m) 330.82 Rock Unit Rhyolite ash tuff - 1DT,Cy To (m): 333.30	Structur	and been a set of the	i i i	From(n	n To(m)	intrv1(m)	Cu(opm)	Zn(ppm)	Aa(nom)	Au/oob
	5.9	in An An An An	Smol		A*			Eulphild A	-Athhuù i	Culhho
Lithology: med-I grey, v.f. grained to aphanitic qtz-sericite and cherty, some cherty laminae up to 1 cm, shear-deformed qtz veinlets			Smpl	a geberen. St	er e server e e		1.4		~~ 5-	.
	StructFolm	80 PrimryBed DbsKey; 22	Smpl	n de la composition de la comp	- 11.04	1 - -	194 195		.+	
-@330.82-331.0m; SMMX bandings	Minoralia	-@330 82-331.0m; SMMX bandings of py-po-co to 50% locally	Smpl							• •
			Smpl			n Karatan		•		
			Smpi							
	Remark	n in the second s Second second s	Asseys:						1	
and the second se		an Anna 1987 - Maria Andreas, ann an Anna an A								
From (m) 333.30 Rock Unit: Andesite lithic tuff -3LT	Structure	-contorted to 334m, non-foliated to 337.45		From(m	To(m)	inter diara	na si		7	
i i i (m); 337.45 Na secondario de la companya de la c			Smpl	i ioninini	i oftiti)	nna Artun)	Cu(ppm)	Zn(ppm) A	g(ppm) A	w(ppb
Lithology: blackish greenish grey, 25% lithic fragments up to 3cm, in v.f.grained chloritic matrix, frags epidotized, few atz veinlets		and a second	Smpl	n (Angeler Sterreger 1994) 1994	n An Chemistrice An An Chemistrice	fillen ander Briteringen fillen Litteringen fillen	den seder e		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	e
	StructFoin	PrimtyBed 45 Photos	Smpl	na dan ya suka suka suka suka suka suka suka suk		kuru en siste en	· # · · · · · · · · · · · · · · · · · ·	n i la na serva		e · ·
			Smpl				naminan in sina. Sina sina sina sina sina sina sina sina s	• 6 7 V .		· · · · · ·
	- Millera II		Smpl		e de la composition de Antico de la composition de la compositio		angers Sel		n in the	
			Smpl							** ** *
A 1999 Constant of the second s	Remarks	n an	Assays:						·	· · · ·
From (m) 337.45 Rock Unit: Dacite ash tuff, argillaceous - 2DT, arg,	Structure:	well bedded at 10*		Erow/	Taka S			<u> </u>		
lo(m) 356.00		@348.0m; shear at 45*, x-cuts/offsets minor po-py lamina -@348-349.33m; highly contorted arailt tuff	Smpi	riomu	i o(m)	(mtvi(m)	Cu(ppm) Z	.'n(ppm) Ac	j(ppm) Al	u(ppb
Lithology: medI.greenish grey, to locally blackish.fv.f.grained, texturally banded ash tuff and argillaceous tuff intr-sericite-chlorite with			Smpl	걸려	- 14					u sa suj
numerous discrete argilite laminae and lenses (30% by 342m). SX	StructFolm	PrimoRed 10	Smpt	8	37 - 1 3 ¥	al a	2000 - 120 2	· · · · · · · · · · · ·	and the second second	otton, mediating
-@347.22-347.52m; qtz vein at 10°, brecc'd/silicif.wallrock, chl/epi		5-10% locally 10-20% agent blobby diagent landers	Smpi		· · · · · · · · · · · · · · · · · · ·		, sharing an	se a e de s e		2
-@348-349.33m; contorted argill.tuff with SMMX bandinos, with late	Mineral'n:	generally up to 1% py euhedra throughout matrix	Smpl			111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 111 - 11 		11 an 11 an 12	en linar	ze grufi Linnin s
undeformed qtz veinlets x-cutting mineral'n		Solo on Josef and Angel and An	Smpl	and and a	a El Sino P	ana Ani Ani			··· ···	
-@353-356m; qtz veined and silicified haloes, ser-chl-qtz matrix	Remarks	close to or at exhalative surface	Assays:						11.11.11.11.11.11.11.11.11.11.11.11.11.	
	el la superior no superior n									
 The Advance of the Constraint C	 B. Schrödigen, S. 	· 바이뷰는 이제는 것이 가지 않는 것이 같은 것이 있는 것이 있는 것이 있는 것이 있다. 이 가지 않는 것이 있는 것이 있								

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From (m) 356.00 Rock Unit Dacite ash tuff, cherty -2DT,Cy, SMMX	Structure			· · ·	<u> </u>						y.
To (m): 379.24	un anna an Anna Anna Anna Anna Anna Anna Anna Anna	weakly foliated, to moderately foliated 35-40° by 358m	6	a lainear	From(m	To(m)	intrvi(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)) Au(ppb
Lithology: medI greenish grey, fv.f.grained to aphanitic siliceous matrix, weakh	nali (Friend	shear at 35°, lower contact shear at 40°	omp			l De produce	tala i	et The second of			÷ 8
chloritic locally, few argillaceous bandings, blebby po-py SMMX	10년 11일 11일 11일 11일 11일 11일 11일 11일 11일 11		Smpl	340094	363.4	363.67	0.27	2690	114	0.8	20
	StuctFolm	40 PrimryBed 20 DbsKey: 21	5 5 5	340095	368.63	369.41	0.78	2480	46	1.2	70
-@363.52m; 12 cm qtz vein end silicif.helo	Minerol'n:	-blebby & dissem. po-py. generally 1%.locally up to 5%	Smpl		Station of States of States Electronic States of States	2 9 18744 - 9	· · · · ·	e server		ير بر در م	ी. इ
49367 05-368.68m; strongly silicif.and sheared; 368.68-369.52m white the strongly voin, net-text.blebby contact cp, <1% & minor py	E Printing and Victoria E and America	-@363.52m; 12cm qtz vein, net-tex contact cp; @365.4-376.9m, SMMX	Smpl	At 100 - 20 - 20	tie nitrate server and and trate trate	••••					
@372-375.7m: 50cm qtz vein in shear at 373.2m.silicif & chl, NVM	L. H. Himpo	an indication of the property of the second se	Assava	NER SEL	de actore	119 C. A.	1	e i deserve	alato da P	1	ê. Êr - Îf
-grades into lower unit		Close to or at exhalative surface									
From (m) 379.24 Book Linet (Androite and Linet Androite	ele uta heinagu " pilo des alla			une nore	setti. Piuwa	, she diriya	10 1 10 A.	• • • • • • • • • • • •			
To (m) 388.86	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 at a min in the			From(m	To(m)	intrvi(m)	Qu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb
Lithology, d greenish grey (greined chloritic ech metry mineriatable of the	L'UNE PROVINCE	brecc, silicif, sheared at 70°	Smpl	and the second sec	in diana	e Marana da ay Marana	n na Cléra. P	an a		, Adria Tana M	
30cm each of crystal tuff, local siliceous patches, few argillaceous	n.n., Arrig face. M. m	Trifficence (Although of Falling of Fa	Smpl			3	97 (1979) - 197 197 197	n hann an e cabhlacan féi Ir Ir	т.,		kenikeii a }
- @366.46-388.86m, thin argillaceous partings & 1% po-py-cp blebs	StructFoin	50 PrimyBed 40 Dbskey 26	Smpl	340096	388.31	389.12	0.81	2690	170	1.	45
	Linorei'r	-@388.46-388.86m, 1% po-py-cp blebs	Smpl	nervie in state of the second s		i Alamini di		t i	denorma e a	and and a second s	alka santa ang sa
			Smpl	Linaarstens		a inna sa.		- top summaria		1 H	-
	Froma ach al fa			han a sh		3 1. a.a. 1	1 11 - 12 - 4.1		j. Li se se se	5. 5.	
	Remarks;	andanan serangan pertamanan di sakan dari serangkan 1971 - Kabapatén Balandar Sakan Sakan Sakan Sakan Sakan Sak	Assays:					di tami i si i i	· · · · · ·	or the state	alan na hina
n an an an ann an Anna ann an Anna an Anna ann an Anna ann an Anna ann an Ann Anna ann an Anna ann an Ann	ere anna anna anna Tarta anna anna										, Į
From (m) 388.86 Rock Unit: Andesite ash tuff, Ovn - 3DT, Ovn	Structure										:
To (m); 391.97	Charles and the second	@391.01m, 2cm fault gouge at 50*			From(m	To(m) li	ntrvl(m)	Cu(ppm)	(n(ppm) A	vg(ppm)	Au(ppb
Lithology -heavily altered and bleached zone around major division in and other	in the second		Smpl	340097	389.12	389.68	0.56	7870	260	2.4	110
unit as above, silicified and chloritized tuff, buff-grey		ANNUELS LAND WEITER AND	Smpl	340090	389.68	391.22	1.54	3370	54	0.6	10
main qtz vein at 389.2-389.55m; at 45* to C.A.	StructFoln:	55 PrimyBed DbsKey: 27	Smpl	340099	391.22	391.83	0.61	4930	90	1.2	30
	Minoralia	389.02-389.1m, MSSX po & tace cp in silica flood	Smpl		i nanaraa ja			Politica and a second	4	ti.	
		@389.2-389.55m, 5-10% po-py-cp blebbing and net-textured @391.37-391.44m, 10% net-textured ebalagers, microsoft	Smpl	ar center de la center La center de la center La center de la center d	n an an An an	an an Ès		i ja muta igi.	Maria da ba		ar to special
		and the second sec	Smpi	9.5. A.		1 1. (11)		i Mariana		n nen euter	j. Terretari
	Remarks:-	stringer vein system and mineralization	Assays: 3	10097, As	-2620ppm			i i i	a . and the first first	ورور هار دهدره	· · · · · · · · · · · · · · · · · · ·
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	a ur so <u>skil ji</u>		in the second	ante.	in a se			a ista	an a		

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	Structure: V strongly toliated at 35°		4. J. J	Fmm(m	Total	Inter dius	C. damana	n net til det som		117940
10(m); 418.92	-@J97.4m. bcm fault gouge at 80*		والمتشالد	New Marsheld	production of the second se	an ailuit	Colobus Constants	cu(ppm)	Ag(ppm)	Au(ppb)
		aubr	រ មិសាសារសារ	la Ni menanan			l.	i		9 11
schist, pervasive qtz-calcite veinlets		Smpl	340100	395.1	395.84	0.74	3890	50	0.6	
		Smot	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		2-44-44 ve boujik	annen ost. a	38Har	geherpense kommunisker Å	- the street of	in the second se
-@395.18-395.84m, silicified, bleached and epidotized	DosKarc 26		annan an a	lip		1	1.444220-20-20-20-20-20-20-20-20-20-20-20-20-	L		ili ana ana ana ana ana ana ana ana ana an
	-@395.18-395.84m 5% pv-pp up to 1% co. as fracture fills and contact	oub	สารสารการเกม	an ann ann ann ann ann ann ann ann ann	i Paratika (1944)	i P	Nama a Maria		1	證 (1)
Madaly Celotimed , NVM	Manaratin mineral'n around veinlets	: Smpl								al M
		Smpl	in the state of th	12/11/1-170-6-0		()	A 1017 (0110-01-30-1	1995) 1995) 1995) 1995)	-1 w	fin manana an
		i du tijela		KALFEARTER	in the state	i Alignatar	Weindertant		y Baalana a	1 Marine Constanting
	Bemarke	Assoys:	340100, As	s=3470ppi	n:					And HEIMEDELINE.
	a anna a' bhaile ann an ann ann ann ann ann ann ann ann						A.			
From (m) 418.92 Rock Unit. Andesite crystal/ash tuff - 3CT,DT	Shucture: weakly foliated		and the second		The fills	and the second	W. 19. av	AL CAR	i di si di da	a frank a st
Ta (m): 449.88	@440m, becomes moderately well toliated at 50°, chloritic fault course		Handlan Lendar	From(m	To(m)	IntrA(m)	Cu(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb *
	cley to lower shear contact at 440.84m, to 60"	Smpl	A.		-+	1	i i f	mattan (C. 199	ulina zero de la come	antina della de La constanta della del
mology: d greenish grey, texturally banded and repetitive sequence of		Smol		i an an d	1000000000000	1. m	h the second second		Harrison	
rigrained and equigranular crystal turks, grading over 1-2m to	na in an			a Breamanna	name of	an manager	i Alba albentaria	PZ# Chickle	ana	i in the second
stacked sequence	Bauer of PrimyGen Dhates 29			t i	E CONTRACTOR OF	Ĕ				
-@435m, grades to massive monolithic f-med grained grystal tuff		Smpt	韻		ĝ	1	i j	1		anne ann ann ann an an an an an an an an an
minor saussuntized plagios in chloritic matrix, strongly hematized	Mineral m	Smol	new and the second s	**************************************		tin and the second s	sta manage			[
	The second ran moon poeminor py band		10 900 1 100 1 1	transmer.	101111-113	automontomonia. Bi-	สมุดเมตระบาร์ร	ล.caac.co.co.co.co.co.co.co.co.co.co.co.co.co		
- Gradu 66-440.84m, 20cm qtz vein, chlor'd contacts		. Subr	Printer T	E 🧯	ह सन्दर्भ अपने	ter Tanan an ti	1.1.	1	li li	í
Bech benyik chlor/silicifd welltock: -@447 7-449 44-		Assays;		an a	norate the p	n an am geologi	a straithising	narozrałow 		
bleached and silicified themal halo 'over' vain - overtimed	Volcanic cap over felsic extent in a 22						~	7.		
		tes the					イノ			3

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DDH No.	From(m)	To (m)	Interval		Δ.,	A.,	40	4.4	A -	Pe	64	6	6									
		,	(m)	NUMBER	pph	-0 a/t	~¥~	~9 ~/2					cu	Mn	Mo	Na	Ni	РЬ	РЬ	Sb	Zn	Zn
			(,		660	9 71	ppm	9 /1	ppm	ppm	ppm	ppm	70	ppm	ppm	%	ppm	ppm	%	թթու	ppm	%
9801	20.09	21.18	1.09	340011	55		1.6		24	50	17.5	2060		2490	26	< 01	52	242			2000	
9801	37.15	38.41	1.26	340012	35		1.2		8	40	5.5	1070		2900	9	0.01	4	12		•	2500	
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	t	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	t	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		~	80	
9801	124.38	125.27	0.89	340024	45		0.2		24	90	<.5	831		655	9	<.01	16	<2		<2	58	
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	84	
																		-		-		
9802	24.8	25.83	1.03	340001	<5		<.2		2	<10	<.5	530		905	2	0.01	22	<2		2	77	
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	8.0	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	76.48	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	178	
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	t	0.03	19	<2		<2	42	
9605	54	54.89	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	1520	
9805	88.33	89.35	1.02	340074	20		<.2		10	120	<.5	29		185	4	0.01	3	2		<2	68	
9906	88.35	90.22	0.87	340075	30		0.4		34	50	<.5	12		210	1	0.01	3	14		2	40	

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8805	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	0.54	125	25	<.01	6	702		42	>10000	5 12
9805	100.24	101.35	1.11	340080	1180	1.23	18.4		62	30	32.5	6420	0.66	210	28	<.01	4	440		4	5270	0.69
9805	101.35	102	0.65	340081	665		17.6		170	40	63	1620	0.16	250	9	<.01	11	1310		18	>10000	14
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
																						0.02
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	6280	0.54	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	
9907	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	2510	1.92	39.2		112	10	430	>10000	3.01	140	55	0.01	3	196		12	>10000	10.35
9809	142.3	143.36	1.04	340048	690		22.2		18	108	7	>10000	1.8	225	<1	0.03	5	32		40	1095	
9809	147.92	148.6	0.68	340049	1505	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	
9011	144.79	145.08	0.29	340101	20		0.8		20	60	1	3590		1255	18	<.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	
3811	286	286.8	0.8	340103	35		2.6		7890	20	0.5	>10000		840	57	0.01	21	<2		10	102	
5811	286.8	287.52	0.72	340104	80		2		≻10000	10	1	6940		825	51	<.01	21	<2		12	120	
9811 0044	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	
																		-		-	••	

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1	đ	1	3	3	*		1	•	-									

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	102	
9812	48.92	49.92	1	340087	95	0.4	24	20	<.5	46	970	18	< 01	15	40	-2	132	
9812	119	120.05	1.05	340088	300	3.4	26	110	7	6640	1590		~ 01	95	+0	<2	132	
9 812	159.37	160.32	0.92	340089	60	1.6	20	40	25	3450	2220	•	~.01	00	0	2	192	
9812	160.21	161.24	1.03	340109	35	0.8	38	40	0.5	1760	2330		<.01	20	2	<2	352	
9812	161.24	162.86	1.62	340110	10	< 2	18	90	0.5 ~ 6	1100	1315	10	<.01	13	<2	<2	116	
9812	162.86	163.81	0.95	340111	70	2		-10	J	340	1405	7	<.01	12	<2	<2	96	
9812	211.48	212.04	0.56	340090	65	1 0	54	10	2.5	6860	575	57	<.01	11	4	8	102	
9812	231.1	231.42	0.32	340001	40	1.0	14	50	3	4470	1690	1	0.01	30	<2	6	236	
9812	299.77	300 53	0.02	340000	4U 4E	U.8	18	90	0.5	849	795	5	<.01	25	2	<2	86	
9812	330.82	112 1	4.70	340082	<0	<.2	4	110	<.5	284	570	2	0.01	19	<2	2	40	
9812	383.4	302.1	1.20	340093	50	0.4	14	10	<.5	132	975	7	<.01	5	6	<2	112	
0012	303.4	303.67	0.27	340094	20	0.8	8	110	0.5	2690	1030	3	0.01	15	<2	<2	114	
0012	300.03	369.41	U.78	340095	70	1.2	2	130	1	2480	285	3	0.01	4	<2	2	46	
9012 0040	300.31	389,12	0.81	340096	45	1	672	100	1.5	2690	470	3	0.04	8	<2	2	170	
2012	389.12	389.68	0.56	340097	110	2.4	2620	70	2	7870	425	6	0.01	7	<2	<2	260	
9812	388.68	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	
													2.21	•	-4	*2	90	

	DDH No.	SAMPLE	Au	Au	A Ag	A A	g Al	A	Ba	B		Bi C	a Cd	Co	Cr	C.,	C .	. E.		ы		
		NUMBER	ppb	ď	t por		- /t %	000	00m	000								·	Ģa	rig	ĸ	La
	9802	340001	<5	•			3 1 2		10	paper.		··· ·	n ppm	ppm	ppm	ppm	7	- 7	ppm	ppm	%	ppm
	9802	340002	-5				4 70	-		<.c		2 1.9	9 <.5	25	46	530		6.56	<10	<1	<.01	<10
-	0002	240002	 5 		~4		1.78	2	40	<.t) «	2 1.7	1 <.5	17	28	36		5.75	<10	<1	0.06	<10
	3002	340003	<0		<.2		2.44	<2	40	<.5	; <	2 2.8	6 <.5	23	56	46		7.76	<10	<1	0.05	<10
	9602	340004	<5		<.2		1.82	2	60	<.5	; <	2 1.0	6 <.5	19	61	22		6.07	<10	<1	0.13	<10
-	9802	340005	<5		<.2		2.83	4	<10	<.5	i «	2 2.4	5 <.5	33	62	70		7.05	<10	<1	0.01	<10
	9802	340006	<5		<.2		0.55	26	90	<.5	i <	2 1.5	8 <.5	5	37	13		1.96	<10	<1	0.24	<10
	9802	340007	5		0.2		1.41	1425	130	<.5	. <	2 3.19	9 <.5	8	39	25		3	<10	<1	0.21	<10
	9603	340008	<5		<.2		3.29	6	110	<.5	. <	2 5.6	3 <.5	22	19	237		6 19	10	-1	0.12	<10
~	VOIDED	340009																0.10		-1	0.15	~10
	VOIDED	340010																				
	9801	340011	55		1.6		2.47	24	50	< 5		4 19	175	7	152	2040						
-	9801	340012	35		12		1.69	e e	40	- 5		- 1. 2 1 0 /			100	2000		6.07	<10	<1	0.13	<10
	9801	340013	25		0.4		2 49	14		5		4 1.8ª	0.5	10	27	1070		5.02	<10	<1	0.19	<10
	9901	340014	25		0.4		2.70		00	5.5		2 1.17	3	5	33	367		5.01	<10	<1	0.1	<10
-	0901	240045	30		1		0.85	26	50	<.5		2 0.95	5 3	5	34	724		7.92	<10	<1	0.13	<10
	9001	340015	15		0.2		2.37	8	90	<.5	<	21	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	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	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	6 0.31	<.5	22	35	282		9 28	<10	<1	0.10	<10
	9801	340023	15		0.2		2.59	68	40	<.5	2	2 0.27	< 5	21	26	512		11	~10	~1	0.15	~10
	9801	340024	45		0.2		1.98	24	90	<.5	2	0.56	< 5	 Q	27	831		2.00	~10	~1	0.10	~10
-	9801	340025	10		<2		4.27	8	110	< 5	2	0.61	- 5	26	47	4025		3.00	10	-	0.18	<10
	9801	340026	40		0.6		3 81	16	30	< 5	-	0.55	5	34		1030		7.12	<10	<1	0.1	<10
	9804	340027	<5		<2		0.78	0	150	- 5		0.11	5	27	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	309		8.33	<10	<1	0.06	<10
-	9804	340028	<5		<2		2.09	- 2	40	5	~	. 0.11	N	•	32	32		2.4	<10	<1	0.14	<10
	9904	340020	-5				2.00	-	-10	5.5	~2	2.1	<.5	21	44	82		6.02	<10	<1	0.04	<10
	0004	340020	-0		~.2		2.14		30	<.5	<2	2.19	<.5	28	41	121		5.92	<10	<1	0.03	<10
~	0007	340030	10		0.2		0.96	50	100	<.5	<2	1.61	<.5	6	30	18		2.27	<10	<1	0.15	<10
	0007	340031	6 F		0.2		3.55	6	50	<.5	2	0.37	<.5	15	28	406		5.4	<10	<1	0.1	<10
	9607	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
ξ	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	80.0	<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		25	<10	<1	0.16	<10
	9806	340042	35		0.2		0.35	78	40	<.5	<2	2.7	< 5	12	72	28		2.04	<10	-1	0.10	~10
	VOIDED	340043														20		0.04	~10	~ 1	0.20	~10
90-4	9809	340044	10		<.2		0.36	16	40	< 5	<2	0 72	<b>c</b> 5	٥	22	37		0.07				
	9809	340045	8710	8.09	>100.0	225	0.16	496	50	~.5	-2	0.72		0 7	32	3/		3.27	<10	<1	0.25	<10
	9809	340046	815		53.8		0.10	-00	70	- 20	1110°	5.57	>000.	'	20	>10000	1.42	5.33	10	27	0.05	<10
	0900	340047	2540	4 07	30.0		0.29	00	10	<.5	HILL.	0.95	402	9	39	>10000	4.09	8.42	<10	19	0.15	<10
	0000	240040	2010	1.92	97.Z		0.58	112	10	<.5	int"	1	430	15	35	>10000	_3.01	10.3	<10	10	0.18	<10
	2002	390046	090	• · · ·	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 4	4 50	) </td <td>5 &lt;</td> <td>2 1.26</td> <td>6.5</td> <td>7</td> <td>36</td> <td>121</td> <td>3</td> <td>.06</td> <td>&lt;10</td> <td>&lt;1</td> <td>0.31</td> <td>&lt;10</td>	5 <	2 1.26	6.5	7	36	121	3	.06	<10	<1	0.31	<10
2*-24	9805	N340074	20		<.2	0	51 1	0 120	) <.8	5 <	2 1.57	<.5	5	42	29	1	.68	<10	<1	0.34	<10
	9805	N340075	30		0.4	0	32 3	4 50	) <,	5 <	2 1.8	<.5	3	30	12	3	.22	<10	<1	0.21	<10
	9805	N340076	115		3.4	0	31 1	4 50	) <.£	5 <	2 1.17	<.5	4	30	18	2	.26	<10	<1	0.2	<10
Ar-177a	9805	N340077	120		12.6	4	).4 43	2 30	) <.£	5 3	2 1.96	0.5	7	59	202	2	.97	<10	<1	0.27	<10
	9805	N340078	1320	1.54	>100.0	1 <b>38</b> 0	25 185	0 10	) < <u>.</u>	5 10	<b>)</b> 1.67	369	3	34	6310	0.7 6	.92	<10	18	0.16	<10
	9805	N340079	1640	1.23	36.4	0.	29 30	6 20	) <.5	5 6	3 1.08	198.5	2	47	4760	0.54 6	.74	<10	7	0.19	<10
, carrier,	9805	N340080	1180	1.23	18.4	0.	34 6:	2 30	) <.5	5 <	2.08	32.5	1	53	6420	0.66 9	24	<10	3	0.22	<10
	9805	N340081	665		17.6	0.	27 17	<b>40</b>	) <.5		2.16	63	7	30	1520	0.16 3.	.69	<10	4	0.19	<10
	9805	N340082	370		21.2	0.	32 92	2 10	<.5	i 4	0.91	126.5	7	42	3970	<b>0.42</b> 6.	.12	<10	10	0.18	<10
-0-a	9811	N340083	15		<.2	1.	35 (	3 70	<.5	i <2	0.23	<.5	8	44	295	3.	13	<10	<1	0.12	<10
	9811	N340084	20		<.2	2.	)1 <b>1</b> 4	<b>1 4</b> 0	<.5	2	9.0	<.5	12	43	14	5.	07	<10	<1	0.06	<10
	9812	N340085	55		0.6	0.	67 <b>8</b>	3 70	<.5	~	0.42	0.5	4	32	800		з	<10	<1	0.15	<10
	9812	N340086	35		0.4	1.	31 14	60	<.5		0.63	1	6	50	35	4.	02	<10	<1	0.17	<10
	9812	N340087	95		0.4	2.	)5 24	20	<.5	<2	0.61	<.5	13	54	46	5.	86	<10	<1	0.17	<10
	9812	N340088	300		3.4	4.	5 26	5 110	<.5	<2	9.46	7	56	83	6640	7,	65	10	<1	0.17	<10
	9812	N340089	60		1.6	5.:	3 20	40	<.5	<2	0.38	2.5	30	136	3450	10	).3	10	<1	0.17	<10
an ganading	9812	N340090	65		1.8	4.	9 14	50	<.5	<2	2.33	3	25	111	4470	6.	02	10	<1	0.17	<10
	9812	N340091	40		0.6	3.	1 18	90	<.5	<2	1.38	0.5	30	88	849	6.:	24	<10	<1	0.17	<10
	9812	N340092	<5		<.2	2.	4 4	110	<.5	<2	3.3	<.5	37	53	284	5.	94	<10	<1	0.17	<10
-main	9812	N340093	50		0.4	3.3	5 14	10	<.5	<2	0.93	<.5	26	25	132	10.	55	<10	<1	0 17	<10
	9812	N340094	20		0.8	3.:	7 8	110	<.5	<2	2.42	0.5	17	63	2690	5.4	47	<10	<1	0.17	<10
	9812	N340095	70		1.2	0.0	7 2	130	<.5	<2	1.32	1	17	159	2480	1.3	78	<10	<1	0.17	<10
prome	9812	N340096	45		1	2.5	8 672	100	<.5	<2	2.02	1.5	47	25	2690	7.9	38	<10	<1	0.17	<10
	9812	N340097	110		2.4	1.6	7 <b>2620</b>	70	<.5	<2	3.34	2	42	58	7870	6.7	71	<10	<1	0.17	<10
	9812	N340098	10		0.8	2.7	9 134	130	<.5	<2	2.97	1	66	45	3370	6	.9	<10	<1	0.17	<10
-	9812	N340099	30		1.2	2.6	1 56	70	<.5	<2	1.38	2.5	108	65	4930	8.5	56	<10	<1	0.17	<10
	9812	N340100	15		0.6	2.0	6 <b>3470</b>	60	<.5	<2	2	<.5	20	34	3890	7.1	1	<10	<1	0.17	<10
	9811	N340101	20		0.8	3.9	4 20	60	<.5	2	1.27	1	36	110	3690	8.1	15	10	<1	0.17	<10
	9811	N340102	125		5.6	2.7	4 1970	<10	<.5	inti"	0.43	1.5	73	40	>10000	>15.0	ю	10	<1	0.17	<10
NO.	9811	N340103	35		2.6	2.8	2 <b>7890</b>	20	<.5	int/*	1.75	0.5	40	40	>10000	14	.7	10	<1	0.17	<10
	9811	N340104	80		2	3.0	5 <b>&gt;10000</b>	10	<.5	<2	1.54	1	172	46	6940	>15.0	ю	10	1	0.17	<10
	9811	N340105	70		2.4	1.8	9 >10000	<10	<.5	8	1.5	1.5	86	45	8210	>15.0	ю	10	<1	0.17	<10
janega,	9811	N340106	55		1	2.2	5 <b>7390</b>	20	<.5	<2	1.47	1	54	46	4230	10.3	5	<10	<1	0.17	<10
	9810	N340107	285		6	2.5	4 74	<10	<.5	2	0.34	5	33	58	9770	>15.0	0	<10	<1	0.17	<10
	9810	N340108	50		1.8	2.8	7 60	50	<.5	~2	3.05	4	26	58	2960	9.0	5	10	<1	0.17	<10
حدر	9812	N340109	35		0.8	4.9	38	40	<.5	<2	0.76	0.5	39	44	1760	10.	8	10	<1	0.17	<10
	9812	N340110	10		<.2	4.4	6 18	90	<.5	<2	0.53	<.5	25	39	346	7.3	2	10	<1	0.17	<10
	9812	N340111	70		2	1.3	54	<10	<.5	50	1.74	2.5	107	63	6860	14.8	5	<10	<1	0.17	<10
																	-		•		

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## **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**

1

**I9824016** 

**

BILLING	NFORMATION	# OF SAMPLES	ANA CODE -	LYSED FOR DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
Date: Project: P.O. No.: Account:	17-JUL-98 LARA QHG	10	205 -	- Geochem ring to approx 150 mesh EX-1 Package 0-3 Kg crush and split	2.50 16.75 2.60	21.85	218.50
Comments:	LTJ495XNR.98Q			Client (Reg# R10)	Total Discount Net 1938885 )	Cost \$ (15%) \$ Cost \$ GST \$	218.50 -32.78 185.72 13.00
Billing:	For analysis performed on Certificate A9824016			TOT	AL PAYABLE	(CDN) \$	198.72
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts						
Please Remi	t Payments to:						
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1					OK JO	w/
ч <b>л</b>						7	

Chemex Labs Ltd. Analytical Chemists * Geochemists * Registered Assayers

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

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To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2 Page Number :1-A Total Pages :1 Certificate Date: 16-JUL-98 Invoice No. :19823962 P.O. Number : Account :QHG

Project : LARA Comments: ATTN: J.C. ARCHIBALD E-MAIL; JIM RICHARD

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[		•	<b>1</b>							l	C	ERTIFI	CATE	OF /	ANAL	YSIS		<b>49823</b>	962		
SAMPLE	PI C(	EP DE	Au pph FA+AA	Au FA g/t	Ag ppm	A1 %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cđ ppm	Co ppm	Cr ppm	Сц	Fe %	Hg	K X	Ng %	Mn	Mo
340055 340056 340058 340059 340061	208 208 208 208 208	226 226 226 226 226 226	40 40 2350 660 4570		< 1 < 1 .68 .37 >200	0.97 0.66 0.29 0.11 0.05	70 50 90 30 420	60 60 260 120 300	< 5 < 5 < 5 < 5 < 5 < 5	< 10 < 10 10 < 10 30	0.45 0.04 0.17 0.03 0.04	<pre>&lt; 5 &lt; 5 &lt; 5 &lt; 5 &lt; 5 &lt; 5 &gt;1000</pre>	65 90 20 5 5	110 130 110 60 < 10	130 235 16440 12040 24100	11.75 14.05 19.30 2.25 2.75	< 10 < 10 < 10 < 10 < 10 150	0.10 0.08 0.27 0.10 0.03	0.67 0.41 0.04 0.01	310 130 70 10 70	20 30 35 < 5
340063 340064 340067	208 208 208	226 226 226	>10000 3870 75	13.85	>200 >200 3	0.04 0.06 1.50	1680 980 50	360 340 20	< 5 < 5 < 5	20 10 < 10	10.15 0.13 0.06	>1000 >1000 15	< 5 5 115	< 10 < 10 130	30700 30400 390	4.66 3.39 18.05	30 90 < 10	0.03 < 0.03 < 0.04	<pre>     0.01     0.01     1.09 </pre>	280 70 240	200 125 30
		a Mérica de la constante																			
		المراجع المراجع						,													
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		3 												CI	ERTIFIC	ATION:	**	The	-1.2.1	لالله	<u>1</u>

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## **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

Page Number :1-B Total Pages :1 Certificate Date: 16-JUL-98 Invoice No. :19823962 P.O. Number : Account :QHG

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Project : LARA Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

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											CE	RTIF	CATE	EOF	ANALYSIS	A9823962	
SAMPLE	PR	IEP DE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	T1 ppm	U ppm	V ppm	W ppm	Zn ppm		
340055 340056 340058 340059 340061	208 208 208 208 208 208	226 226 226 226 226 226	0.05 0.05 0.06 0.04 0.04	<pre>&lt; 5 &lt; 5 15 &lt; 5 &lt; 5 &lt; 5</pre>	100 100 100 < 100 < 100	<pre>&lt; 5 &lt; 5 15 15 &gt;50000</pre>	< 10 < 10 < 10 < 10 < 10 420	< 5 < 5 < 5 < 5 < 5 < 5	5 5 20 5 10	0.01 0.03 < 0.01 < 0.01 < 0.01	< 20 < 20 < 20 < 20 < 20 < 20	40 40 385 165					
140063 140064 140067	208 208 208	226 226 226	0.04 0.03 0.05	< 5 < 5 < 5	< 100 < 100 100	40900 23000 390	1310 840 < 10	< 5 < 5 < 5	40 - 5 - 5	< 0.01 < 0.01 0.02	< 20 < 20 < 20	< 20 < 20 < 20	< 20 < 20 20	< 20 < 20 < 20 < 20	>50000 >50000 2560		
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## **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**

I9823962

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BILLING	INFORMATION	# OF SAMPLES	AN CODE	ALYSED FOR - DESCRIPTION	UNIT	SAMPLE	
Date: Project:	18-JUL-98 LARA	7	208	- Assay ring to approx 150 mesh	2.50		AMOUNT
P.O. No.: Account:	QHG		983	0-3 Kg crush and split - Au ppb FA+AA	10.50 2.60 9.75	25.35	177.45
Comments:	LTJ495XNR.98Q	1	208	- Assay ring to approx 150 mesh A-30 ICP Package 0-3 Kg crush and split	2.50 10.50 2.60		
Billing:	For analysis performed on		983 997	- Au ppb FA+AA - Au FA g/t	9.75 11.75	37.10	37.10
				Cli	Total ent Discount ( Net	Cost \$ 15%) \$ Cost \$	214.55 -32.18 182.37
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts			(Reg# R	100938885 ) Total Payable	GST \$ (CDN) \$	<u>12.77</u> <b>195.14</b>
Please Remi	it Payments to:						
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1						
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## **Chemex Labs Ltd.**

Analylical 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

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BILLING	INFORMATION	# OF SAMPLES	AN CODE	ALYSED FOR - DESCRIPTION	· · · ·	UNIT	SAMPLE	AMOUNT
Date: Project: P.O. No.:	15-JUL-98 LARA	1	244 384 312	- Pulp; prev. - Ag FA - Pb	prepared at Chemex g/t %	0.00 10.50 8.00		
Account:	QHG		316	– Zn	8	8.00	26.50	26.50
Comments:	LTJ495XNR.98Q	2	244 384 316	- Pulp; prev. - Ag FA - Zn	prepared at Chemex g/t %	0.00 10.50 8.00	18.50	37.00
Billing:	For analysis performed on Certificate A9824451				Clien (Reg# R10	Total t Discount Net 0938885 )	Cost \$ 15%) \$ Cost \$ GST \$	63.50 -9.53 53.97 3.78
Ferms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts				то	TAL PAYABLE	(CDN) \$	57.75
Please Remi	Payments to:							
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1							
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## Chemex Labs Ltd.

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

668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2

#### INVOICE NUMBER I 19824741

BILLING	INFORMATION	# OF SAMPLES	ANA CODE -	LYSED FOR DESCRIPTION			UNIT PRICE	SAMPLE PRICE	AMOUN
Date: Project: P.O. No.:	17-JUL-98 LARA	1	244 - 316 -	Pulp; prev. Zn	prepared at %	Chemex	0.00 8.00	8.00	8.0
Comments:	LTJ495XNR.98Q					Client	Total Discount ( Net	Cost \$ 15%) \$ Cost \$	8.0 -1.2 6.8
Billing:	For analysis performed on Certificate A9824741					(Reg# RI009 <b>TOTA</b>	L PAYABLE	GST \$ (CDN) <b>\$</b>	0.4
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts								
'lease Remi	t Payments to:								
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1								
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## 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

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LIMIT

Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

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C	ERTIF	ICATE	•	A9824451				ANALYTIC
(QHG) - Project: PO#	NUCANOL LARA	AN				CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
Samples This re	submitt port was	ed to ou printed	r 1a on	ab in Vancouver, BC. 15-JUL-98.		384 312 316	3 1 3	Ag g/t: Gravimetric Pb %: Conc. Nitric-HCL dig'n Zn %: Conc. Nitric-HCL dig'n
	SAM	PLE PF	EF	PARATION				
CHEMEX CODE	NUMBER SAMPLES			DESCRIPTION				
244	3	Pulp; p	COV.	. prepared at Chemex				
			- - -					
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	<u> </u>		<u>.</u>					
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			4 		l		t	······

# ANALYTICAL PROCEDURES DESCRIPTION METHOD DETECTION LIMIT

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## **Cnemex 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 Page Number : 1 Total Pages : 1 Certificate Date: 15-JUL-98 Invoice No. : 19824451 P.O. Number : Account : QHG

Project : LARA Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

CERTIFICATE OF ANALYSIS A9824451 17 PREP Ag FA ₽b  $\mathbf{Zn}$ SAMPLE CODE g/t * % 340061 244 ---371 17.40 340063 42.4 244 -----439 ----35.1 340064 244 _ _ _ 234 54.2 4 ġ, **CERTIFICATION:** OVERLIMITS from A9823962 Sance

		Analytical Chemists * Geochemis 5175 Timberlea Blvd., Ontario, Canada PHONE: 905-624-2806 F	ALLU Is * Registered Assayers Mississauga L4W 2S3 AX: 905-624-6163	■ ·	668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2 Comments: ATTN: J.C. ARCHIBALD		)	Â98
C	ERTIF	ICATE A9824741			ANALYTICAI	- PROCEDURES	5	:
(QHG)- Project: P.O. #:	NUCANOL LARA	AN RESOURCES LTD.	CHEMEX CODE	NUMBER	DESCRIPTION	METHOD	DETECTION LIMIT	UPPEF LIMIT
Jamples Phis re	submitt port was	ed to our lab in Vancouver, BC. printed on 16-JUL-98.	316	1	Zn %: Conc. Nitric-HCL dig'n	λλς	0.01	100.0
	SAM	PLE PREPARATION						
CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION						
244	1	Pulp; prev. prepared at Chemex						
		4 - 1 A. C.					:	
							1	
							· ·	

The part of the		ONE: 905-6	524-2806 FAX:	905-624-6163	5	Comme	CERTIFI	E-MAIL; JIM RICH	ARD	04741
SAMPLE		PREP CODE	Zn %							.4/41
340066	2	44	2.01							
	, man and a sub-									, 1
	第二、 第二、 第二、 第二、 第二、 第二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二、 二									
<i>,</i>										

5 **Chemex Labs Ltd.** To: NUCANOLAN RESOURCES LTD. Page Number : 1-A Total Pages :1 668 MILLWAY AVE., UNIT 15 Certificate Date: 16-JUL-98 Analytical Chemists * Geochemists * Registered Assayers CONCORD, ON Invoice No. :19824016 5175 Timberlea Blvd., L4K 3V2 Mississauga P.O. Number Ontario, Canada L4W 2Š3 Account :QHG Project : PHONE: 905-624-2806 FAX: 905-624-6163 LARA Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD **CERTIFICATE OF ANALYSIS** A9824016 PREP Au ppb λg λ1 Ba λs Be Bi Ca Cđ Co Cr Cu Fe Ga Ηg K SAMPLE La CODE Ъg Mn **Fλ+λλ** % ppm ppm ppm ppm ppm * ppm ppm ppm ppm % * ppm ppm ррд % ppm 340051 205 226 55 0.6 1.23 26 40 < 0.5 0.04 < 0.5 < 2 340052 6 46 34 4.91 205 226 < 10 1 0.17 15 0.4 < 10 1.02 300 1.73 8 200 < 0.5 < 2 0.03 < 0.5 4 86 242 340053 205 226 2.60 < 10 < 1 0.21 < 10 40 1.33 1.6 0.69 26 340 70 < 0.5 2 0.01 < 0.5 25 193 340054 32 205 226 6.00 < 10 < 1 0.20 10 < 0.2 < 10 0.25 0.56 90 22 10 < 0.5 < 2 0.02 < 0.5 62 B40057 96 19 7.87 205 226 < 10 < 1 40 < 0.2 0.05 < 10 0.25 120 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 340062 205 226 0.56 < 10 < 1 0.32 385 1.4 10 0.10 315 420 < 0.5 0.55 34 < 2 0.07 < 0.5 3 68 90 340065 205 226 0.95 < 10 110 < 1 0.30 10 0.05 0.4 0.60 185 14 310 < 0.5 < 2 0.17 2.0 **340066** 2 55 16 0.49 < 10 < 1 205 226 0.34 945 10 24.4 0.57 74 0.07 245 < 10 < 0.5 4 0.05 117.5 4 102 1375 340068 5.83 205 226 < 10 14 0.28 < 5 < 0.2 1.11 < 10 0.04 15 2 120 < 0.5 < 2 0.43 < 0.5 3 67 6 0.80 < 10 < 1 0.24 < 10 0.57 205 CERTIFICATION: Hart Bachler

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## Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers 5175 Timbodon Blud

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ST/S TIMbenea Blvd.,	Mississauga
Ontario, Canada	L4W 2Š3
PHONE: 905-624-2806	FAX: 905-624-6163

1 To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2

Page Number : 1-B Total Pages : 1 Certificate Date: 16-JUL-98 Invoice No. : 19824016 P.O. Number : Account :QHG

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Project : LARA Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD

#### **CERTIFICATE OF ANALYSIS** A9824016

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SAMPLE	PRE: CODI	P E	Mc ppn	) 1	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tİ X	T1 ppm	U Ppm	V ppm	W	Zn				
340051 340052 340053 340054 340057	205 205 205 205 205 205 205	226 226 226 226 226 226	4 14 6 12		).01 ).02 ).01 ).01 ).01	1 2 3 10	280 270 160 90 340	36 16 48 12 8	2 < 2 < 2 < 2 < 2 < 2	< 1 1 < 1 < 1 6	2 < ( 4 < ( 3 < ( 1 ( 2 (	0.01 0.01 0.01 0.01 0.01	< 10 < 10 < 10 < 10 < 10 < 10	< 10 < 10 < 10 < 10 < 10 < 10	5 8 8 82	< 10 < 10 < 10 < 10 < 10 < 10	70 86 24 28 108	ł	<u> </u>		
340060 340062 340065 340066 340068	205 2 205 2 205 2 205 2 205 2 205 2	126 126 126 126 126	< 1 < 1 53 < 1	0 0 < 0 0	.02 .05 .04 .01 .02	1 1 1 6 3	230 350 260 150 170	88 212 60 8870 30	< 2 < 2 < 2 50 < 2	< 1 < 1 < 1 < 1 < 1 < 1	25 < 0 7 < 0 8 < 0 4 < 0 26 < 0	0.01 0.01 0.01 0.01 0.01	< 10 < 10 < 10 < 10 < 10 < 10	< 10 < 10 < 10 < 10 < 10 < 10	1 3 2 3 3	< 10 < 10 < 10 < 10 < 10 < 10	8470 310 1060 >10000 56				
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CERTIFICATION:



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#### **Chemex Labs Ltd.** Analytical Chemists * Geochemists * Registered Assayers

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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.

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668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2

Page Number 1-A Total Pages 2 Certificate Date09-NOV-98 P.O. Number

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14.

Invoice No. I-9835032 Account

Project :

Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

											CE	RTIFI	CATE	OF A	NAL	YSIS	<u>}</u>	\9835	032		
SAMPLE DESCRIPTION	PR CO	EP DE	Au ppb FA+AA	Au FA g/t	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppn	Ca %	Cđ ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K	La ppm	Mg S
N 340001	205	226	< 5		A.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	$\langle \bar{1} \rangle$	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	K 10 -	< i	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	K 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	X 10	< 1	0.21	< 10	0.85
N34000B	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
N 340011	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
N3400L2	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
N3400L3	205	226	25		0.4	2.49	14	60	< 0.5	2	1.17	3.0	5	33	367	5.01	< 1.0	< 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	< F	0.13	< LO	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	K 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
N 340018	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
N 340019	205	226	40		1.2	1.46	10	90	< 0.5	< 2	1.00	1.0	< 1	53	3630	3.73	X 10	< 1	0.14	< 1.0	1.28
N 340020	205	226	20		0.4	1.35	12	70	< 0.5	2	0.56	1.0	1	56	396	4.75	3K 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	X 10	< 1	0,15	× 10	1.76
N 340022	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	X 10	< 1	0.16	< 10	2.15
N 340024	205	226	45		0.2	1.98	24	90	< 0.5	2	0.56	< 0.5	9	27	831	3.88	K 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	K 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	914	< 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	K 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	IK 10	< 1	0,10	< 10	3.71
N 3400 32	205	226	85		0.4	L.02	10	1.00	< 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	0116	< 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	1.6	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	$\langle 1$	0,06	< 10	1.06
N 340069	205	226	< 5		< 0.2	1.83	< 2	160	< 0.5	< 2	3.03	< 0.5	15	21	111	3.50	EC 10	< 1	0,10	10	1.31
N 340070	205	226	< 5		< 0.2	0.84	< 2	120	< 0.5	< 2	1.59	< 0.5	5	38	.5	2.46	· < 10	2	0115	< 10	0.57
N 34007L	205	226	< 5		< 0.2	3.63	< 2	120	< 0.5	$\langle 2 \rangle$	4.29	< 0.5	23	49	37	0.13	< 10	S L	0.07	< 10	2./1
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#### Chemex Labs Ltd. Analytical Chemists ' Geochemists ' Registered Assayers

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212 Brocksbank Ave., North Vancouver British Columbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218 To: NUCANOLAN RESOURCES LTD.

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668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2 Page Number 1-B Total Pages 2 Certificate Date 09-NOV-98 Invoice No. I-9835032 P.O. Number : Account :

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Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

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#### **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

Page Number 2-A Total Pages 2 Certificate DateD9-NOV-98 Invoice No. 1-9835032 P.O. Number : Account :

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Comments: ATTN: J.C. ARCHIBALD

FAX: J.A. RICHARD

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#### **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 L4K3V2

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Page Number 2-B Total Pages 2 Certilicate Date09-NOV-98 Invoice No. I-9835032 P.O. Number : Account

Project :

FAX: J.A. RICHARD Comments: ATTN: J.C. ARCHIBALD

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	SAMPLE DECELETION	PREP	Ma	Mo	Na	Ni.	2 1117m	Pb	Sb	SC	CE SI	RTIF		E OF A	NALY V	'SIS R	Zn	A9835	032
98-05	M 340073 N 340074 N 340075 N 340076 N 340076 N 340077	205 226 205 226 205 226 205 226 205 226 205 226	1.25 1.85 210 1.25 215	8 / 4 1 2 8	0.01 0.01 0.01 9.03 0.01	31 31 3 1 7	340 330 226 90 240	318 2 14 204 22	2 (2 2 6 30	<pre></pre>	32 < 29 < 31 < 24 < 50 <	6.D1 0.01 0.01 0.01 0.01 0.01	10 10 10 10 10 10	<pre></pre>	2 3 3 3 3 4 4	PPm           10           < 10           < 10           < 10           < 10           < 10	PP# 1520 66 40 150 188	na - Trai - an California an An	B. (12.6)
	8 340078 N 340079 8 340080 N 340081 8 340081 8 340082	205 226 205 226 205 226 205 226 205 226 205 226	180 125 210 250 95	31 ( 25 ( 28 ( 9 ( 14 (	6.01 D.01 0.81 0.01 0.01 0.01	15 6 4 11 15	120 240 160 260 180	2530	200 42 4 18 28		30 < 21 < 50 < 52 < 29 <	0.01 0.01 0.01 0.01 0.01 0.01	10 < 10 < 10 < 10 < 10	< 10 < 10 < 10 < 10 < 10 < 10	<pre>&lt; 1 &lt; 1 1 &lt; 1 &lt; 1 1 &lt; 1 1</pre>	<pre>/ 10 &gt; &lt; 10 &gt; &lt; 10 &lt; ( 10 &gt; &lt; 10 &gt; &lt; 10 &gt; &lt; 10 &gt; </pre>	10000 10000 5270 10000 10000	**	FOR
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NOU. 18 1998 08:34A

PHONE NO. : 250 748 0984

FROM : SONIC EXPLORATION INC

#### To: NUCANOLAN RESOURCES LTD.

#### 668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2

Project :

Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

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Zn

ppm

230

176

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P.O. Nu Account

A9837223

Pago Ne Total Pa

Certificat Invoice

PLEASE NOTE * INTERFER

NTERFERENCE: Cu o	n Bi ar	nd P									CE	RTIFI	CATE	OF A	NAL	<b>/SIS</b>
SAMPLE DESCRIPTION	PB CO	EP DE	Mn ppm	Mo	Na %	Ni ppm	P Ppm	Pb Ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W
40039 40040 40041 40042	205 205 205 205	226 226 226 226 226	2450 1820 170 415	10 < 19 < 3	0.01	20 19 • 4	370 330 240	< 2 < 2 2	<pre> &lt; 2 &lt; 2 &lt; 2 &lt; 2 &lt; 2 &lt; 2 </pre>	6 5 < 1	5 6 43 <	0.04 0.04 0.01	< 10 < 10 < 10	<pre>&lt; 10 &lt; 10 &lt; 10 &lt; 10</pre>	94 67 1	< 10 < 10 < 10 < 10

North Vancouver

V7J 2C1

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registerect Assayers

PHONE: 604-984-0221 FAX: 604-984-0218

212 Brooksbank Ave.,

British Columbia, Canada

340045	205	226	370	31	0.01	3	Intf*	>10000	<₽ 598		56 < 0.01 66 < 0.01	< 10 < 10	< 10 L0	· 1 < 1	<10 50 <10 >10000
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Chemex Labs Ltd.

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Analytical Chemists * Geochemists * Registered Assayers

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

#### TAOT NOTE

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2

Page Number 1-A Total Pages 1 Certificate Date04-DEC Invoice No. I-983722 P.O. Number : Account

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CEDTICICATION.

Project :

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Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

INTERFERENCE: Cu o	n Bi and P									CI	ERTIFI	CATE	OF /	ANAL	YSIS		<b>\98</b> 37	223		1
SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Au FA g/t	Ag P <b>pm</b>	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd PPm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K K	La ppm	Mg ដូ
440039 440040 440041 440042 440042	205226205226205226205226205226205226	50 140 10 35 8710	  8.09	0.6 1.8 <0.2 0.2 >100.0	4.79 3.54 0.27 0.35 0.16	20 24 6 78 486	30 20 40 40 50	<pre>&lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5</pre>	<pre></pre>	0.35 0.64 1.46 2.70 5.57	<pre> &lt; 0.5</pre>	25 29 8 12 7	72 59 35 72 20	401 3440 15 28 >10000	7.75 10.60 2.50 3.94 5.33	<pre>&lt; 10 &lt; 10</pre>	<pre>6 1 6 1 6 1 6 1 7 1 7 27</pre>	0.04 0.04 0.16 0.25 0.05	<pre>4 10 4 10 4 10 4 10 4 10 4 10 4 10 4 10</pre>	5.07 3.63 0.07 0.12 0.15
340046 340047 340048 340049	205 226 205 226 205 226 205 226 205 226	815 2510 690 1505	1.92	53.8 39.2 22.2 >100.0	0.29 0.38 0.39 0.10	80 112 18 310	70 10 10 40	< 0.5 < 0.5 < 0.5 < 0.5	Intf* Intf* Intf* Intf*	0.96 1.00 2.11 0.75	452 430 7.0 60.0	9 15 6 37	39 35 34 107	>10000 >10000 >10000 >10000	8.42 10.30 2.73 7.19	<pre>&lt; 10 &lt; 10 &lt; 10 &lt; 10 &lt; 10 &lt; 10</pre>	19 10 (1) 10	0.15 0.18 0.20 0.06	<pre>&lt; 10 &lt; 10 &lt; 10 &lt; 10 &lt; 10 &lt; 10</pre>	0.13 0.20 0.43 0.20
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	Ch Analytik 212 Brit PH	em Chemists Brooksbar ish Columb ONE: 604-9	Geochemists * Regi k Ave., North ia, Canada 184-0221 FAX: 60	<b>DS Ltd.</b> stered Assayers Vancouver V7J 2C1 4-984-0218	To: NUC 668 COI L4K Project : Comment:	CANOLAN RES MILLWAY AVE ICORD, ON 3V2 LARA : ATTN: J.C.	OURCES LTD ., UNIT 15 ARCHIBALD	E-MAIL: JIM RIC	HARD	Page Number :1 Total Pages :1 Certificate Date: 30-DE Invoice No. :19839 P.O. Number : Account :QHG
[	r		<b>.</b>			CERTIFIC	ATE OF	ANALYSIS	A98	39102
SAMPLE		PREP CODE	Cu %							
N 3 4 00 8 8 N 3 4 00 8 9 N 3 4 00 9 0 N 3 4 00 9 7 N 3 4 00 9 8		12 12 12 12 12	0.64 0.32 0.45 0.84 0.35							
N340099 N340100 N340101 N340102 N340103	2 2 2 2 2 2 2	12 12 12 12 12	0.51 0.42 0.33 1.59 1.10							
N340104 N340105 N340106 N340107 N340111	2 2 2 2 2 2 2	12 12 12 12 12 12	0.68 0.84 0.43 1.01 0.68			-			• • • • •	
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OVERLIMITS from A9838609

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C		A	Analytical Che 5175 Tim Ontario, 6	emists * G nberlea B Canada	eochemist Ivd.,	<b>.ay</b> Is*Registr Mis	ered Assay sissauga L4W 2S3	yers	•		668 M CONC L4K 3	IILLWAY A CORD, ON V2	VE., UN	NT 15				•	Total P Certifica Invoice P.O. Nu Account	ages ate Date: No. umber	1 24-DEC-19 19838609
			PHONE:	905-624	2806 F	AX: 905-	624-6163	3		Pro Cor	mments:	LARA ATTN: J	.C. ARC	HIBALD	E-MAIL:	JIM RICH	HARD		11000411		GIIG
* PLEASE NO	DTE										C	ERTIF	ICAT	E OF	ANAL	YSIS		A9838	8609		
SAMPLE	P C	rep ode	Au ppb FA+AA	Ag ppm	λ1 %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	L Co	i Co n ppm	Cr ppm	Cu ppm	Fe	Ga	Hg	K %	La	Mg	Mn
N340044	20	5 226	10	< 0.2	0.36	16	40	< 0.5	< 2	0 72						Ppm				· ·	ррш
N340050	20	5 226	145	0.8	0.32	66	20	< 0.5	< 2	0.90	1.0	) 17	34 29	37 68	3.27	< 10	< 1	0.25	< 10	0.03	75
N340084	20	5 226	15	< 0.2	1.85	6 14	70	< 0.5	< 2	0.23	< 0.	5 8	44	295	3.13	< 10	< 1	0.12	< 10	1.95	645
N340085	20	5 226	55	0.6	0.67	8	70	< 0.5	< 2	0.80	<pre> &lt; 0.1</pre>	5 12 5 4	43 32	14 800	5.07	< 10	< 1	0.06	< 10	2.21	760
N340086	20	5 226	35	0.4	1.31	14	60	< 0.5	< 2	0.63	1 0		FA				· · ·	0.13	< 10	0.59	335
N340087	20	5 226	95	0.4	2.05	24	20	< 0.5	< 2	0.61	< 0.5	13	50	35	4.02	< 10 [°] < 10	< 1	0.17	< 10	1.29	715
N340089	20	5 226	60	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
N340090	20	5 226	65	1.8	4.29	14	50	< 0.5	< 2	2.33	3.0	25	136	3450	10.30	10 10	< 1	0.06	< 10	4.96	2330
N340091	20	5 226	40	0.6	3.71	18	90	< 0.5	< 2	1.38	0.5	20	0.0		6.04				- 10	3.75	1890
N340092	20	5 226	< 5	< 0.2	2.14	4	110	< 0.5	< 2	3.30	< 0.5	37	53	284	6.24 5.94	< 10 < 10	< 1	0.15	< 10	3.17	795
N340094	20	5 226	20	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
N340095	20	5 226	70	1.2	0.67	2	130	< 0.5	< 2	2.42	0.5	17	-63 159	2690 2480	5.47	< 10	< 1	0.15	< 10	2.49	1030
N340096	20	5 226	45	1.0	2.58	672	100	< 0.5	< 2	2 02	1 5	47	25					0.01	· 10	0.33	485
N340097	205	226	110	2.4	1.87	2620	70	< 0.5	< 2	3.34	2.0	42	58	2690 7870	6.71	< 10 < 10	< 1	0.11	< 10	1.26	470
N340099	205	226	10	0.8	2.79	134	130	< 0.5	< 2	2.97	1.0	66	45	3370	6.90	< 10	< <b>1</b>	0.12	< 10	1.11	515
N340100	205	226	15	0.6	2.06	3470	60	< 0.5	< 2	1.38	2.5	108	65 34	4930 3890	8.56	< 10	< 1	0.07	< 10	1.11	520
N340101	205	226	20	0.8	3.94	20	60	< 0.5	1 2	1 27	1.0						· 1		< 10	0.8/	495
N340102	205	226	125	5.6	2.74	1970	< 10	< 0.5	Intf*	0.43	1.5	73	40	>10000	8.15	10	< 1	0.11	< 10	3.02	1255
N340103 N340104	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	805
N340105	205	226	70	2.4	1.89	>10000	< 10	< 0.5	< 2	1.54	1.0	172 86	46 45	6940 8210	>15.00	10	1	0.10	< 10	0.92	825
N340106	205	226	55	1.0	2.26	7390	20	< 0.5	<i>4</i> 2	1 47	1.0	5.4				+0	· ·	•	< 10	0.59	535
N340107	205	226	285	6.0	2.54	74	< 10	< 0.5	< 2	0.34	5.0	33	40 58	4230	10.35	< 10 < 10	< 1	0.12	< 10	1.15	700
NJ40108 NJ40109	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
N340110	205	226	10	< 0.2	4.46	38 18	40 90	< 0.5	< 2	0.76 0.53	0.5	39 25	44 39	1760 346	10.80	10	< 1	0.10	< 10	3.88	1515
N340111	205	226	70	2.0	1.39	54	< 10	< 0.5	50	1.74	2.5	107	63	6860	14 95	<u> </u>		0.13	- 10	3.74	1405
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CERTIFICATION: Mleby

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5175 Timberlea Blvd., Mississauga Ontario, Canada L4W 2Š3 Account :QHG PHONE: 905-624-2806 FAX: 905-624-6163 Project : LARA Comments: ATTN: J.C. ARCHIBALD E-MAIL: JIM RICHARD * PLEASE NOTE CERTIFICATE OF ANALYSIS A9838609 PREP Mo Na Ni Ρ Pb Sb Sc Sr Тİ T1 U V W Zn SAMPLE CODE ppm % ppm ppm ppm ppm ppm % ppm ppm ppm ppm ppm ppm N340044 205 226 19 0.01 20 360 6 < 2 < 1 27 < 0.01< 10 < 10 < 10 N340050 1 18 205 226 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 0.04 3 < 10 < 10 29 < 10 60 N340084 205 226 13 < 0.012 40 < 2 < 2 < 1 9 < 0.01 < 10 < 10 8 < 10 N340085 44 205 226 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 < 0.0115 360 40 < 2 1 7 < 0.01 < 10 < 10 24 < 10 132 N340088 205 226 1 < 0.0185 490 8 2 13 146 0.05 < 10 < 10 177 < 10 192 N340089 205 226 11 < 0.0126 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 74 < 10 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 < 0.0121 290 < 2 12 7 29 0.04 < 10 < 10 61 < 10 120 N340105 205 226 50 < 0.0124 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 < 0.0111 240 12 4 3 0.03 4 < 10 < 10 47 < 10 230 N340108 205 226 10 < 0.0111 250 < 2 2 5 < 0.01 40 < 10 < 10 54 < 10 168 N340109 205 226 15 < 0.0113 360 < 2 < 2 8 0.05 15 < 10 < 10 112 < 10 116 N340110 205 226 7 < 0.0112 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: Mile ber

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Page Number :1-B Total Pages :1 Certificate Date: 24-DEC-1998 Invoice No. :19838609 P.O. Number

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Chemex Labs L Analytical Chemists * Geochemists * Registered Assayers

668 MILLWAY AVE., UNIT 15 CONCORD, ON

To: NUCANOLAN RESOURCES LTD.



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# **Chemex Labs Ltd.**

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

NUCANOLAN RESOURCES L	с <b>л</b> .	ì	с <u></u> } +
668 MILLWAY AVE., UNI CONCORD, ON L4K 3V2	r 15		

### **INVOICE NUMBER**

I9838609

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n.,

BILLING I	NFORMATION	# OF Samples	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
Date: Project: P.O. No.:	24-DEC-98 LARA	31	205 – Geochem ring to approx 150 mesh EX-1 Package 0–3 Kg crush and split	2.50 16.75 2.60	21.85	677.35
Account:	QHG			m - t - i	Grat C	677 25
Comments:	LTJ495XNR.98Q		Clie (Reg# R	ent Discount Nei 100938885 )	(15%) \$ Cost \$ GST \$	<u>-101.60</u> 575.75 <u>40.30</u>
				TOTAL PAYABLE	(CDN) \$	616.05
Billing:	For analysis performed on Certificate A9838609					
Terms:	Payment due on receipt of invoice				OK	
	1.25% per month (15% per annum) charged on overdue accounts				20	٤.
Please Rer	nit Payments to:					
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C.					
	Canada V7J 2C1					
					,	

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To:

#### 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-243SAMPLE OF:SOLUTIONDATE RECEIVED:NOVEMBER 23, 1998ATTENTION:JOHN ARCHIBALD

RESULTS IN MG/L

		WATER
<b></b>	SAMPLE:	B-16
	Ag	<.1
	AĨ	<.01
	As	1.0
	Ba	<.01
	Be	<.01
	Bi	<.01
	Ca	730
	Cđ	<.01
	Co	.03
	Cr	<.01
	Cu	<.01
	Fe	<.01
	ĸ	88
	La	<.01
	Mg	557
	Mn	<.01
,	MO	<.01
	Na	18
		<.01
	D NT	
	г РЪ	0.0 / 01
	C 2	830
	Sn	1 8
	Sr	53
	Te	< 01
	Th	<.01
n,	Ti	<.01
_	U	<.01
	v	<.01
•	W	<.01
	Y	<.01
	Zn	<.01
	Zr	<.01
	Au	218 PPB



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* PLEASE NC	)TE									CE	RTIF	ICATE	E OF A	NAL	<b>YSIS</b>		A983	7223		
SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P Ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tİ X	T1 ppm	U	V	W	Zn				
340039 340040 340041 340042 340045	205 226 205 226 205 226 205 226 205 226 205 226	2450 1820 170 415 370	10 < 19 < 3 6 < 31	0.01 0.01 0.03 0.01 0.01	20 19 4 6 3	370 330 240 790 Intf* >	< 2 < 2 2 2 10000	< 2 < 2 < 2 < 2 < 2 598	6 5 < 1 < 1 < 1	5 6 43 < 56 <	0.04 0.04 0.01 0.01 0.01	< 10 < 10 < 10 < 10 < 10 < 10	< 10 < 10 < 10 < 10 < 10 10	94 67 1 1 < 1	< 10 < 10 < 10 < 10 < 10 < 10	230 176 6 50	· · · · · · · · · · · · · · · · · · ·			
340046 340047 340048 340049	205 226 205 226 205 226 205 226 205 226	125 140 225 155	52 < ( 55 ( < 1 ( 2 (	0.01 0.01 0.03 0.01	< 1 3 5 18	Intf* Intf* Intf* Intf*	582 196 32 < 2	50 12 40 858	< 1 < 1 1 < 1	29 < 23 < 66 < . 19 <	0.01 0.01 0.01 0.01	< 10 < 10 < 10 < 10 < 10	< 10 < 10 10 < 10	< 1 < 1 1 < 1	< 10 ; < 10 ; < 10 ; < 10 ;	>10000 >10000 1095 >10000				
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* PLEASE NOTE

## Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd.,MississaugaOntario, CanadaL4W 2S3PHONE: 905-624-2806FAX: 905-624-6163

To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2 Page Number :1-A Total Pages :1 Certificate Date: 04-DEC-1998 Invoice No. :19837223 P.O. Number : Account :QHG

A9837223

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CERTIFICATION:

Project :

Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

**CERTIFICATE OF ANALYSIS** 

#### PREP Au ppb Au FA λg Al λs Ba Be Bi Ca Cđ Co Cr Cu Fe Ga Ħg ĸ La Mg SAMPLE CODE FA+AA g/t % ppm ppm ppm ppm % ppm ppm ppm % ppm % ppm ppm ppm % ppm 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 340040 205 226 < 10 5.07 140 -----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 340047 205 226 < 10 0.13 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

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

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To: NUCANOLAN RESOURCES LTD.

668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2

Page Number :1 Total Pages :1 Certificate Date: 08-DEC-1998 Invoice No. :19837819 P.O. Number : Account :QHG

Project :

Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

**CERTIFICATE OF ANALYSIS** 

A9837819

SAMPLE	PREP CODE	Ag FA Cu g/t %	Pb %	Zn %			<b></b>		
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SAMPLE DESCRIPTION L98-W1	PREP CODE 2212393	Ag ug/L < 0.05	Al mg/L 0.007	As ug/L < 1	Ba ug/L 51.9	Be ug/L < 0.5 <	Bi ug/L ( 0.05	Ca mg/L 35.8	Cđ ug/L < 0.1	Co ug/L < 0.02	Cr ug/L 1.0	Cu ug/L 1.0	Fe mg/L 0.19	Hg ug/L < 1	K mg/L 0.80	Мд 110g/L 3.40	Mn ug/L 40.8	Mo ug/L 1.1	Na mg/L 5.15	N ug/ 2.
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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	0 ug/L	V ug/L	Zn ug/L			
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C	Chemex Labs Ltd. Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Ontario, Canada 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 Numi Total Page Certificate I Invoice No. P.O. Numb Account	Der:1-B s:1 Date:05-OCT-19 :19832394 er: :QHG
		<u></u> .								CERTIFICATE OF ANALYSIS			LYSIS	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			
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0		Chemex Labs Ltd. Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Ontario, Canada 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 Invoice No. : 1983239 P.O. Number : Account : QHG				
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SAMPLE	PREP CODE	λg ug∕L	Al mg/L	<b>As</b> ug/L	Ba ug/L	Be ug/L	Bi ug/L	Ca mg/L	Cđ ug/L	Co pg/L	Cr pg/L	Cu	Fe To //	Hg	K	Mg	Mn	Mo	Na	NÍ				
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## **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

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BILLING I	NFORMATION	# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT Price	SAMPLE PRICE	AMOUNT
Date: Project: P.O. No.:	9-NOV-98	47	205 - Geochem ring to approx 150 me EX-1 Package 0-3 Kg crush and split	sh 2.50 16.75 2.60	21.85	1026.95
Account: Comments:	QHG LTJ495XNR.98Q	3	205 - Geochem ring to approx 150 me EX-1 Package 0-3 Kg crush and split	sh 2.50 16.75 2.60 11.75	33.60	100.80
Billing:	For analysis performed on		997 - AUFA g/t	Tota Client Discount Ne	1 Cost \$ ( 15%) \$ t Cost \$	1127.75 -169.16 958.59
			(Regi	R100938885 ) TOTAL PAYABLE	GST \$ (CDN) \$	<u> </u>
Terms:	Payment due on receipt of invoice 1.25% per month (15% per annum) charged on overdue accounts					
Please Rem	it Payments to:					
	CHEMEX LABS LTD. 212 Brooksbank Ave., North Vancouver, B.C. Canada V7J 2C1					
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Chemex Labs Ltd. Analytical Chemists * Geochemists * Registered Assayers 5175 Timberlea Blvd., Mississauga Ontario, Canada L4W 2S3 PHONE: 905-624-2806 FAX: 905-624-8163										To: Projec Comn	NUCAN 668 MIL CONCC L4K 3V2 ct : nents: CE	OLAN R LWAY A PRD, ON ATTN: J	Page Number :2-B Total Pages :2 Certificate Date: 09-NOV- Involce No. : 1983503; P.O. Number : Account :QHG						
SAMPLE	PF	ep De	Mn ppm	Mo ppm	Na *	Ni ppm	P ppm	Pb ppm	Sb ppn	Sc ppm	Sr ppm	Ti X	T1 ppm	U DDm	V DDD	N	Zn		
N340073 N340074 N340075 N340076 N340077	205 205 205 205 205	226 226 226 226 226 226	125 185 210 125 215	8 4 1 2 8	0.01 0.01 0.01 0.03 0.01	31 3 3 1 7	340 330 220 90 240	318 2 14 204 22	2 < 2 2 6 30	< 1 < 1 < 1 < 1 < 1 < 1	32 29 31 24 50	< 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01	< 10 < 10 < 10 < 10 < 10 < 10	< 10 < 10 < 10 < 10 < 10 < 10	3 2 1 1 < 1	10 < 10 < 10 < 10 < 10	1520 66 40 150		
N340078 N340079 N340080 N340081 N340082	205 205 205 205 205	226 226 226 226 226 226	180 125 210 250 95	31 < 25 < 28 < 9 < 14 <	0.01 0.01 0.01 0.01 0.01	15 6 4 11 15	120 > 240 160 260 180	10000 702 440 1310 2530	200 42 4 18 28	< 1 < 1 < 1 < 1 < 1 < 1	30 < 21 < 50 < 52 < 29 <	0.01 0.01 0.01 0.01 0.01	10 < 10 < 10 < 10 < 10 < 10	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 1 < 1 1	< 10 ; < 10 ; < 10 ; < 10 ; < 10 ;	10000 10000 5270 10000		
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## **Chemex Labs Ltd.**

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668 MILLWAY AVE., UNIT 15 CONCORD, ON L4K 3V2 Page Number :2-A Total Pages :2 Certificate Date: 09-NOV-19 Invoice No. :19835032 P.O. Number : Account :QHG

Project :

Comments: ATTN: J.C. ARCHIBALD FAX: J.A. RICHARD

CERTIFICATE OF ANALYSIS A9835032

CERTIFICATION: Hait Fuller

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SAMPLE	PR CC	EP DE	λи ppb Fλ+λλ	λu FA g/t	Ag ppm	л1 *	<b>As</b> ppm	Ba ppm	Be ppm	Bi ppm	Ca	Cđ ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppn	Hg	K X	La	Mg
N340073 N340074 N340075 N340076 N340077	205 205 205 205 205	226 226 226 226 226 226	410 20 30 115 120		2.2 < 0.2 0.4 3.4 12.6	0.54 0.51 0.32 0.31 0.40	44 10 34 14 42	50 120 50 50 30	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	< 2 < 2 < 2 < 2 < 2 < 2 2	1.26 1.57 1.80 1.17 1.96	6.5 < 0.5 < 0.5 < 0.5 < 0.5	7 5 3 4 7	36 42 30 30	121 29 12 18	3.06 1.68 3.22 2.26	< 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1	0.31 0.34 0.21 0.20	<pre> &lt; 10  &lt; 10  &lt; 10  &lt; 10  &lt; 10  &lt; 10</pre>	0.10 0.06 0.03 0.03
N340078 N340079 N340080 N340081 N340082	205 205 205 205 205	226 226 226 226 226 226	1320 1640 1180 665 370	1.54 1.23 1.23	>100.0 36.4 18.4 17.6 21.2	0.25 0.29 0.34 0.27 0.32	1850 306 62 170 92	10 20 30 40 10	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5	10 6 < 2 < 2 < 2 4	1.67 1.08 2.08 -2.16 0.91	369 198.5 32.5 63.0 126.5	3 2 1 7 7	34 47 53 30 42	6310 4760 6420 1520 3970	2.97 6.92 6.74 9.24 3.69 6.12	< 10 < 10 < 10 < 10 < 10 < 10 < 10	< 1 18 7 3 4 10	0.27 0.16 0.19 0.22 0.19 0.18	< 10 < 10 < 10 < 10 < 10 < 10 < 10	0.05 0.02 0.03 0.04 0.03 0.07
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			PHONE:	905-624-)	2806 F.	AX: 905-	L4W 2S3 624-6163	3		Proje Com	ect : ments:	ATTN:	J.C. ARC	HIBALD	HARD	Account	: QHG				
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SAMPLE	P	REP	Mn	Mo	Na	Nİ	P	Pb	Sb	8c	Sr	Tİ	<b>T1</b>	U	v	w	پرون ۲۰۰۰	1000002			
N340001	20	5 226				ррш	ppm	ppm	ppm	ppm	ppm	*	ppm	ppm	ppm	ppm	ppm				
N340002	20	5 226	905 475	2	0.01	22	560	< 2	2	7	27	0.14	< 10	10	134	< 10	70				
N340003 N340004	20	5 226	710	1	0.02	16	650	< 2	< 2	5	16	0.11	< 10	< 10	61	< 10	28				
N340005	20	5 226	410 800	3	0.04	11	500	< 2	< 2	3	16	0.01	< 10 < 10	< 10	63	< 10	32				
N340006	- 20	5 226	100			<b>4</b> 1	440	< 2	2	6	54	0.06	< 10	10	74	< 10	34				
N340007	20	5 226	385	3	0.02	2	260	6	< 2	< 1	39	< 0.01	< 10	< 10		< 10	7.0				
N340008	20	5 226	1055	1	0.01	20	300	2	2	1	81 -	< 0.01	< 10	< 10	21	< 10	44				
N340012	20	5 226	2490	26 <	0.01	52	180	242	1	3	· 46 •	0.14	< 10	10	128	< 10	90				
1240042	_			,	0.01	4	210	12	2	< 1	88 <	0.01	< 10	< 10	16	< 10 < 10	2980				
N340014	20	226	1100	3	0.01	1	230	14	2	< 1	22 4	0 01	. 10								
N340015	20	226	1025	2 4	0.01	2	190	106	< 2	< ī	15 <	0.01	< 10	< 10	6	< 10	508				
N340016	205	226	1235	ĩ	0.01	< 1	460	< 2	< 2	< 1	25 <	0.01	< 10	< 10	i	< 10	490 544				
	205	226	825	14	0.01	3	130	86	< 2	< 1	29 <	0.01	< 10	< 10	4	< 10	214				
N340018	205	226	900	5	0.01	4	120	14						· 10	3	< 10	270				
N340020	205	226	670	3	0.01	ĩ	70	< 2	< 2	< 1	22 <	0.01	< 10	< 10	2	10	592				
N340021	205	226	44U 845	5	0.01	2	50	44	< 2	< 1	13 <	0.01	< 10	< 10	< 1	< 10	192				
N340022	205	226	285	3 <	0.01	4	160 290	8	2 4 2	< 1	19 <	0.01	< 10	< 10	6	< 10	1/4				
1340023	205	226	790	16 4	0.01					<u> </u>	8 <	0.01	< 10	< 10	6	< 10	50				
1340024	205	226	655	- 10 K	0.01	12	470	16	< 2	2	10 <	0.01	< 10	10	34	< 10	80				
340025	205	226	1240	4 <	0.01	16	330	< 2	2	1	10 <	0.01	< 10	< 10	32	< 10	56				
340027	205	226	1220	7 <	0.01	13	410	< 2	< 2	6	18	0.12	< 10 < 10	10	87 104	< 10	66				
340028	1005						200	< 2	< 2	< 1	7	0.03	< 10	< 10	10	< 10	18				
340029	205	226	755	3	0.01	22	540	< 2	< 2	6	57	0.17	< 10	< 10	100						
340030	205	226	165	4	0.01	20	510	< 2	< 2	4	50	0.13	< 10	< 10	87	< 10	42	,			
340031 340032	205	226	1195	10 <	0.01	17	760	< 2	< 2	< 1	29 <	0.01	< 10	< 10	4	< 10	176				
		440	365	9 <	0.01	4	250	10	< 2	< ī	4	0.04	< 10	< 10 < 10	47	< 10	122				
340033 340034	205	226	2100	< 1 <	0.01	14	440	< 2	2		21	0.10			v	· 10					
340035	205	226	2260	1 <	0.01	19	420	< 2	2	7	41 9	0.10	< 10	< 10	94	10	184				
340036	205	226	320	2	0.02	42	340 370	< 2	< 2	4	40	0.12	< 10	< 10	65	< 10 < 10	212				
340037	205	226	385	3	0.04	11	320	< 2	< 2	3	9 20 <	0.06	< 10	< 10	27	< 10	24				
340038	205	226	515	4	0.03	11	240						- ¥	< 10	20	< 10	48		1		
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340072	205	226	910	4 (	J.03 J.04	19 14	510 520	< 2	< 2	10	97 <	0.01	< 10	< 10	11	< 10 < 10	14				
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CERTIFICATION: Hawkfuller

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SAMPLE	PREP CODE	Ац ррђ FA+AA	Au FA g/t	Åg ppm	A1 %	<b>As</b> ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cđ ppm	Co	Cr ppm	Cu	Fe %	Ga	H983:	р <u>032</u> к	La	Mg
N340001 N340002 N340003 N340004 N340005	205 22 205 22 205 22 205 22 205 22 205 22	6 < 5 6 < 5 6 < 5 6 < 5 6 < 5 6 < 5		< 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2	3.12 1.78 2.44 1.82 2.83	2 2 2 2 4	< 10 40 40 60 < 10	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5	< 2 < 2 < 2 < 2 < 2 < 2 < 2	1.99 1.71 2.86 1.60 2.45	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5	25 17 23 19 33	46 28 56 61 62	530 36 46 22 70	6.56 5.75 7.76 6.07 7.05	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1	< 0.01 0.06 0.05 0.13 0.01	<pre></pre>	3.00 1.70 1.88 1.55 2.30
N340007 N340008 N340011 N340012 N340013	205 220 205 220 205 220 205 220 205 220	<pre></pre>		< 0.2 0.2 < 0.2 1.6 1.2	0.55 1.41 3.29 2.47 1.69	26 1425 6 24 8	90 130 110 50 40	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	< 2 < 2 < 2 4 < 2	1.58 3.19 5.60 1.80 1.94	< 0.5 < 0.5 < 0.5 17.5 5.5	5 8 22 7 10	37 39 19 153 27	13 25 237 2060 1070	1.96 3.00 6.19 6.07 5.02	< 10 < 10 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1	0.24 0.21 0.13 0.13 0.19	< 10 < 10 < 10 < 10 < 10 < 10	0.20 0.85 1.54 2.77 1.79
N340014 N340015 N340016 N340017 N340018	205 226 205 226 205 226 205 226 205 226	35 15 10 35		1.0 0.2 < 0.2 1.2	2.49 0.85 2.37 2.71 1.81	14 26 8 6 20	60 50 90 110 40	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	2 2 < 2 < 2 4	1.17 0.95 1.00 1.21 1.10	3.0 3.0 3.0 0.5 1.5	5 5 3 6	33 34 35 32 38	367 724 473 438 1505	5.01 7.92 4.48 3.62 6.33	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1	0.10 0.13 0.15 0.13 0.13	< 10 < 10 < 10 10 < 10	2.46 0.63 1.97 2.25 1.55
N340019 N340020 N340021 N340022 N340022	205 226 205 226 205 226 205 226 205 226	40 20 30 35		1.2 0.4 0.4 0.2	1.35 1.46 1.35 2.05 1.21	10 12 24 54	90 90 70 20 10	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	< 2 < 2 2 2 6	1.49 1.00 0.56 1.08 0.31	3.5 1.0 1.0 6.0 < 0.5	2 < 1 1 5 22	49 53 56 31 35	1080 3630 396 555 282	3.22 3.73 4.75 7.44 9.28	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1	0.15 0.14 0.19 0.15 0.19	< 10 < 10 < 10 < 10 < 10 < 10	1.37 1.28 1.11 1.76 0.94
N340024 N340025 N340026 N340027	205 226 205 226 205 226 205 226 205 226	45 10 40 < 5		0.2 < 0.2 < 0.2 0.6 < 0.2	2.59 1.98 4.27 3.81 0.78	68 24 8 16 < 2	40 90 110 30 150	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	2 2 2 2 4 2	0.27 0.56 0.61 0.55 0.11	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5	21 9 36 24 4	26 27 47 22 32	512 831 1035 389 32	11.00 3.88 7.12 8.33 2.40	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1	0.16 0.18 0.10 0.06 0.14	< 10 < 10 < 10 < 10 < 10 < 10	2.15 1.63 3.78 3.62 0.41
N340029 N340030 N340031 N340032	205 226 205 226 205 226 205 226 205 226	< 5 - < 5 - 10 - 45 - 85 -		< 0.2 < 0.2 0.2 0.2 0.2	2.08 2.14 0.96 3.55 1.02	2 2 50 6 10	40 30 100 50 100	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	< 2 < 2 < 2 2 2 < 2	2.70 2.19 1.61 0.37 0.50	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	27 28 6 15 6	44 41 30 28 30	82 121 18 406 116	6.02 5.92 2.27 5.40 2.92	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1	0.04 0.03 0.15 0.10 0.20	< 10 < 10 < 10 < 10 < 10	2.19 2.24 0.70 3.71
N340034 N340036 N340036 N340037	205 226 205 226 205 226 205 226 205 226 205 226	20 - 30 - < 5 - < 5 - < 5 -		1.4 0.8 0.4 < 0.2 < 0.2	4.22 4.48 3.16 1.42 1.49	6 16 8 < 2 2	120 60 200 20 50	<pre>&lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5 &lt; 0.5</pre>	2 < 2 < 2 < 2 < 2 < 2 < 2 < 2	1.16 0.34 0.96 0.58 1.43	1.5 0.5 < 0.5 < 0.5 < 0.5	9 21 21 16 11	57 35 50 121 40	5280 2780 916 17 50	5.70 8.11 4.22 5.15 4.30	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 < 1 < 1 < 1 < 1	0.07 0.16 0.08 0.09 0.14	< 10 < 10 < 10 < 10 < 10 < 10	4.11 4.24 2.84 1.50
N340038 N340069 N340070 N340071 N340072	205 226 205 226 205 226 205 226 205 226 205 226	< 5 - < 5 - < 5 - < 5 - < 5 -		< 0.2 < 0.2 < 0.2 < 0.2 < 0.2 < 0.2	1.11 1.83 0.84 3.63 2.33	< 2 < 2 < 2 < 2 < 2 < 2 < 2	50 < 160 < 120 < 120 < 30 <	0.5 0.5 0.5 0.5 0.5	< 2 < 2 < 2 < 2 < 2 < 2 < 2	3.07 3.03 1.59 4.29 2.75	< 0.5 < 0.5 < 0.5 < 0.5 < 0.5	14 15 5 23 25	35 21 38 49 40	33 111 5 37 78	3.27 3.50 2.46 6.13 6.50	< 10 < 10 < 10 < 10 < 10 < 10	< 1 < 1 2 < 1 < 1 < 1	0.06 0.10 0.15 0.07 0.09	< 10 10 < 10 < 10 < 10 < 10	1.06 1.31 0.57 2.71 2.03

CERTIFICATION: 1. M. S. F. Juller



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