

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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## ASSESSMENT REPORT

describing

### GEOLOGICAL MAPPING, PROSPECTING, SOIL GEOCHEMISTRY, EXCAVATOR TRENCHING AND DIAMOND DRILLING

on the

#### QB PROPERTY

QB 1-28 Claims	YB75490-YB75517
29-104	YB83119-YB83194
105-124	YB90003-YB90022

Latitude 60°26' N; Longitude 130°26' W

NTS 105B/7 and 8

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

Prepared by

Archer, Cathro & Associates (1981) Limited

for

**NORDAC RESOURCES LTD.**

W. A. Wengzynowski, B.A.Sc.

February, 1998

093 819



This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 13,400.00.

*M. K. ...*  
for Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

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## **INTRODUCTION**

The QB property consists of 124 contiguous mineral claims owned 100% by Nordac Resources Ltd. The first 104 claims were staked in February 1996 to cover a strong lead-zinc soil geochemical anomaly outlined by Amax of Canada Limited in 1980. Work in 1996 by Nordac confirmed and better defined the geochemical anomaly and located massive sulphide, lead-zinc-silver bearing float within it.

The 1997 exploration program included staking an additional twenty claims plus geological mapping, prospecting, grid soil sampling, excavator trenching and 994 m of diamond drilling in eight holes. This work was completed between March and September. The diamond drilling was done with daily helicopter support from a trailer camp on the Alaska Highway while the other work was performed from fly camps on the property. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

## PREVIOUS WORK

The QB property was previously staked as the Eagle claims in July 1979 by Regional Resources Ltd. which explored with geological mapping, prospecting, soil geochemistry and geophysical surveys later that year. In 1980 the claims were optioned to Amax of Canada Limited which performed additional geophysical surveys and grid soil sampling that outlined a 1400 by 200 m area of coincident, moderately to strongly anomalous lead and zinc response. Follow-up prospecting discovered massive pyrrhotite float plus galena and sphalerite in narrow fractures within schist (Verley, 1980). Twenty-one line kilometres of VLF-Mag-IP surveys were conducted across the geochemical anomalies and outlined several areas of anomalous response (Cartwright and Hallof, 1981). Some targets were hand trenched but none was tested by mechanized methods. The claims were transferred to Fairfield Minerals Limited in 1988 but no additional work was reported.

The claims were allowed to lapse and the anomalies were restaked in February 1996 by Nordac. During June 1996 a four-person crew performed geological mapping and prospecting plus reconnaissance and grid soil geochemical sampling, mainly in the western part of the property (Wengzynowski, 1997). The grid soil sampling outlined a 2400 by 500 m easterly-trending lead-zinc target with a strongly anomalous core measuring 800 by 200 m. Follow-up prospecting of this anomaly in September led to the discovery of high grade massive sulphide float. Ten pyrite-pyrrhotite-sphalerite-galena bearing specimens collected over a distance of 2000 m along the axis of the soil geochemical anomaly returned an arithmetic average of 9.98% zinc, 9.10% lead,

0.13% copper and 143.9 g/t silver. Based on mineral textures and radiogenic lead isotope data, the QB main zone was recognized as having potential for a manto replacement-type deposit.

A ground geophysical program consisting of 16.7 line km of HLEM and magnetometer surveys was conducted in 1996 on Nordac's behalf by Amerok Geosciences Ltd. (Wengzynowski, 1997). The magnetometer survey produced only erratic spot highs while the HLEM survey identified four subparallel conductors, each  $\leq 400$  m in length. One of the conductors lies along the north side of the main soil geochemical anomaly.

## PROPERTY, LOCATION AND ACCESS

The QB property is located in the Rancheria area of southeastern Yukon at latitude 60°26'N and longitude 130°26'W on NTS map sheets 105B/7 and 8 (Figure 1). It is comprised of 124 contiguous mineral claims (Figure 2) registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Nordac Resources Ltd. Claim registration data are listed below.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
QB 1-28	YB75490-YB75517	February 15, 2006
29-104	YB83119-YB83194	February 15, 2006
105-124	YB90003-YB90022	February 15, 2003

\*Expiry dates include 1997 work which has been filed for assessment credit but not yet accepted.

The 1997 diamond drill program was supported by an Aerospatiale B1 which was contracted from Kluane Helicopters and based at Nordac's trailer camp located 33 km south of the property at Km 1107 on the Alaska Highway. The fly camps were supported by a Bell 206B Jet Ranger operated by Trans North Helicopters from its permanent base in Watson Lake, 100 km east of the property.

In March 1997 an Hitachi UH09 excavator was mobilized to the property under terms of Land Use Permit YA6F237. The 38 km long access route starts at Km 1107 on the Alaska Highway and follows a previously established bulldozer trail for the first 31 km. Reclamation work on the access route was performed during the summer program. The excavator is still on the property awaiting demobilization in spring 1998.

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

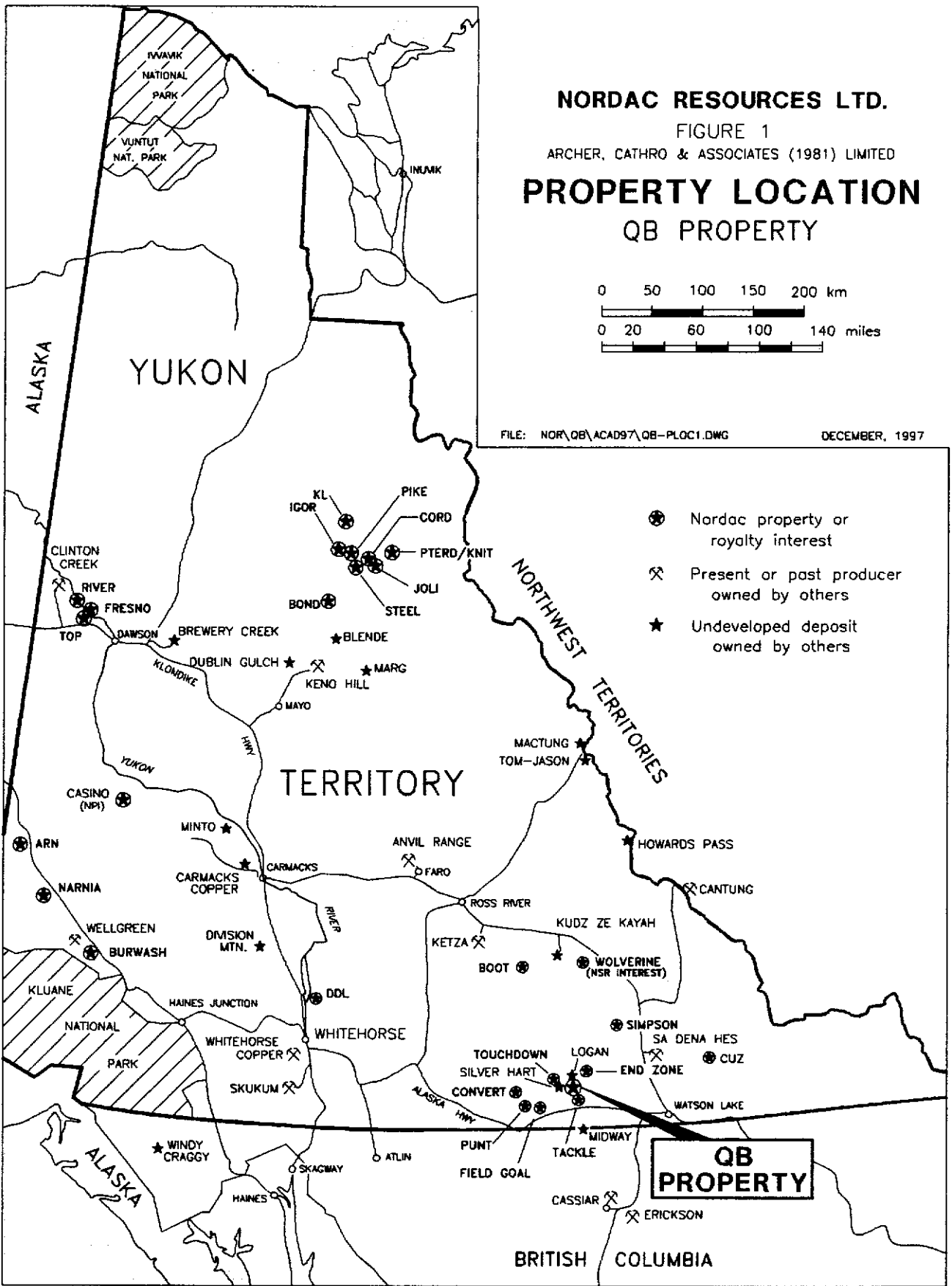
## PROPERTY LOCATION QB PROPERTY

0 50 100 150 200 km

0 20 60 100 140 miles

FILE: NOR\QB\ACAD97\QB-PLOC1.DWG

DECEMBER, 1997



**QB  
PROPERTY**

- Nordac property or royalty interest
- ⊗ Present or past producer owned by others
- ★ Undeveloped deposit owned by others

## GEOMORPHOLOGY

The QB property covers an area of low rolling hills on the eastern edge of the Cassiar Mountains immediately west of the Liard Plain. Creeks draining the property flow southeasterly into the Little Moose River, a tributary of the Liard River watershed.

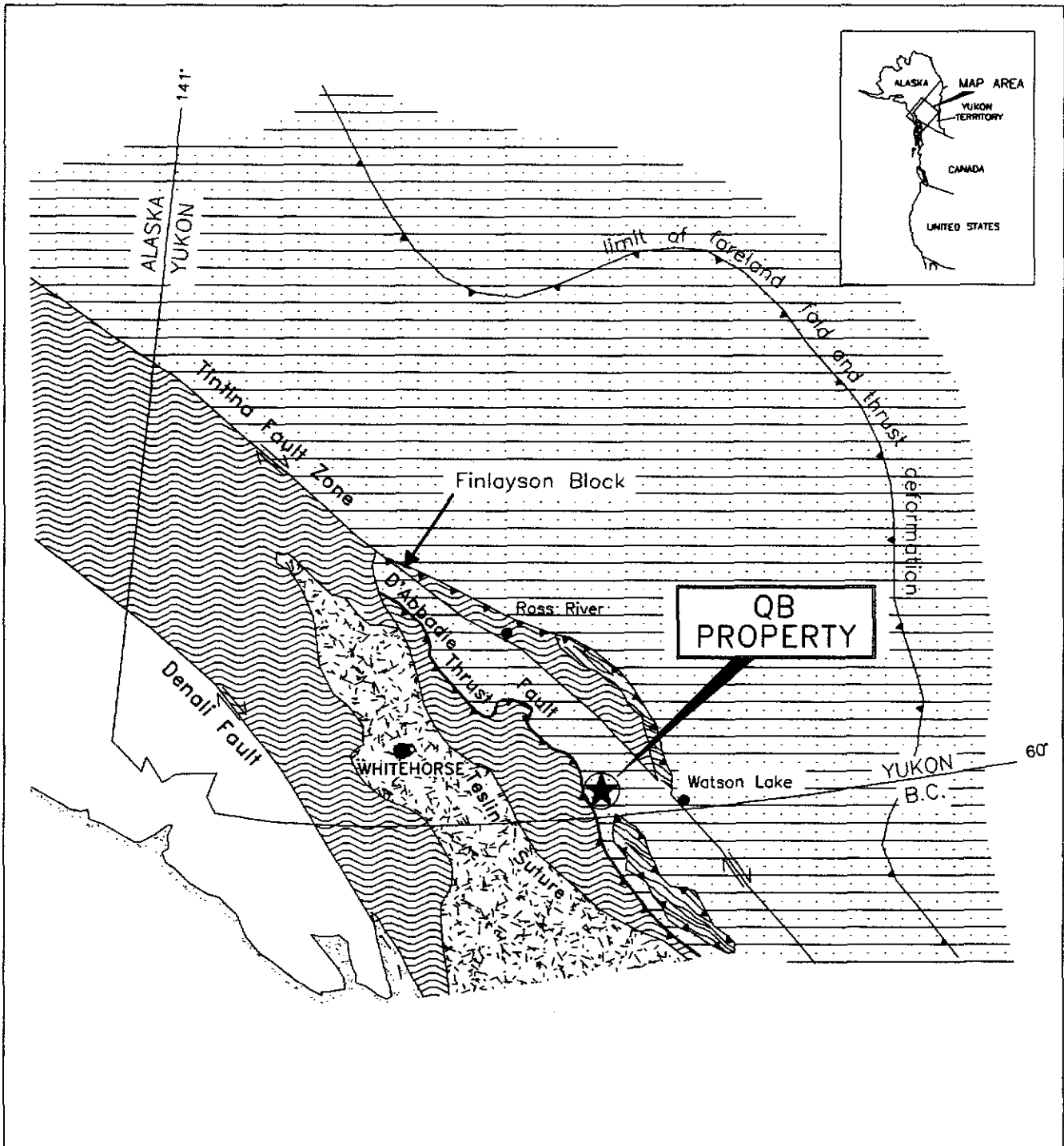
Local elevations range from 980 m near Little Moose River to a maximum of 1240 m. Topographic relief is gentle, averaging 10° with occasional steeper areas in the vicinity of creek cuts. Pleistocene valley glaciers deposited a blanket of till ranging from 0.2 to 10 m thick over most of the property. Some areas are hummocky, resembling "kame and kettle"-type topography. The entire property lies below treeline and vegetation consists of dense growths of spruce, birch and pine trees with alder and buckbrush undergrowth.







## REGIONAL GEOLOGY


The QB property lies within a belt of metamorphic rocks belonging to the Yukon-Tanana Terrane and Cassiar Platform (Figure 3). This belt extends from northern B.C. across the Yukon into Alaska. The northeastern edge of the belt is defined by the Tintina Fault Zone, a series of subparallel transcurrent faults which produced about 450 km of dextral offset in Late Cretaceous and/or Early Tertiary times (Tempelman-Kluit, et al, 1976). The southwestern side is bounded by the Teslin Suture, an enigmatic zone composed of thrust and high angle faults.

Yukon-Tanana Terrane and Cassiar Platform rocks are composed of Paleozoic stratigraphy which has been intruded by Jurassic to Cretaceous plutons as illustrated on Figure 4. Both terranes are considered "suspect terranes" representing variably distal metamorphosed equivalents of North American continental margin sediments. Yukon-Tanana, the furthest outboard of the two terranes, is thrust onto Cassiar Platform rocks by the D'Abbadie Thrust Fault. The regional metamorphic fabric within both terranes strikes northwesterly and dips moderately toward the northeast.

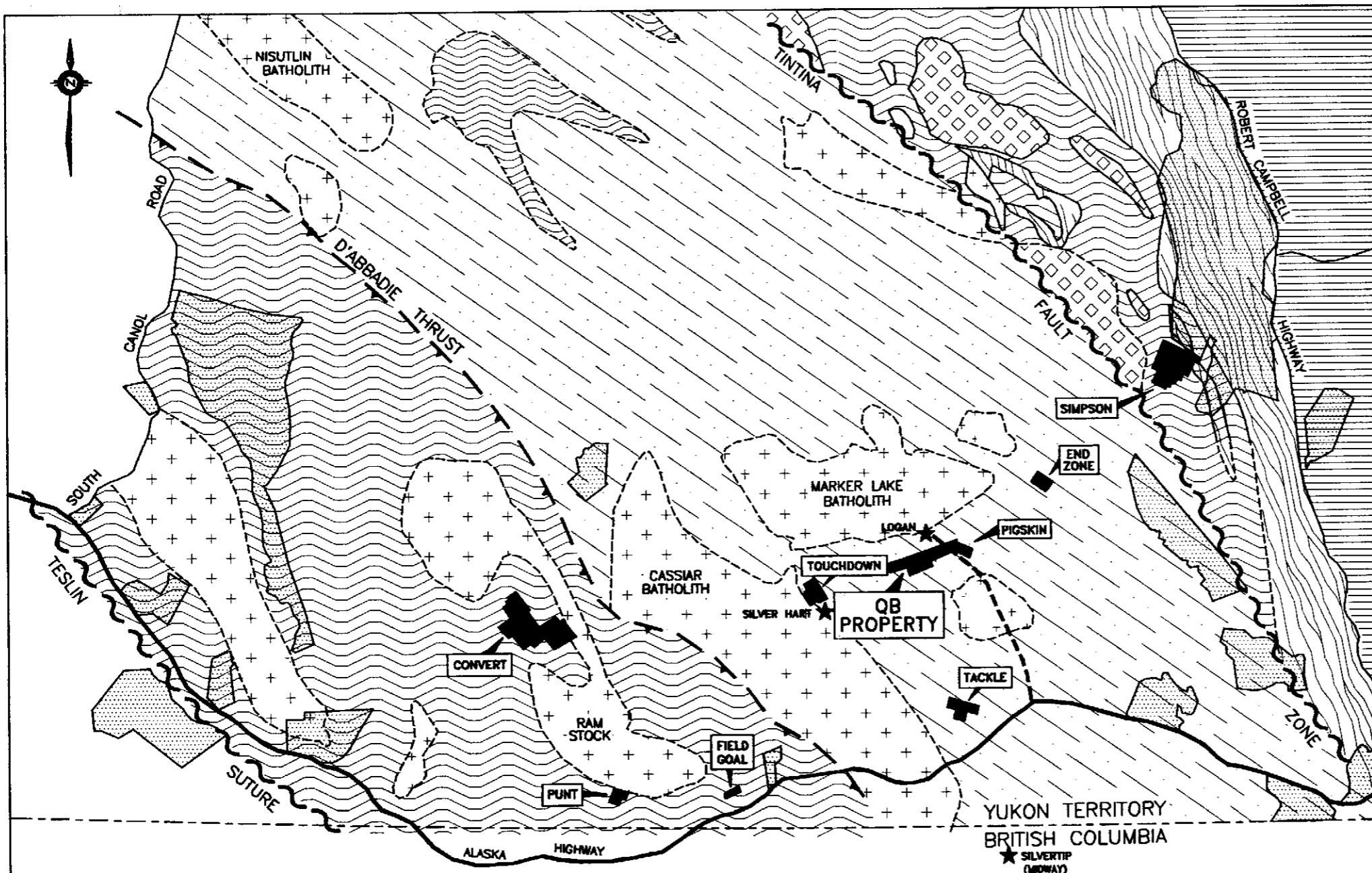
Geology in the Rancheria area was mapped at 1:250,000 scale in 1960 by the Geological Survey of Canada [GSC] (Poole et al, 1960). More detailed mapping in the Rancheria District (105B/1,2,7 & 8) was done in 1985 and 1986 at 1:50,000 scale by the Department of Indian and Northern Affairs [DIAND] (Lowey and Lowey, 1986; Amuken and Lowey, 1987) in response to numerous base and precious metal discoveries in the area.



-  Thrust fault
-  Steep fault
-  Yukon-Tanana Terrane
-  Slide Mountain Terrane
-  Stikinia and other Terranes
-  North American Miogeoclinal Strata

<b>NORDAC RESOURCES LTD.</b>	
FIGURE 3 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
<b>TECTONIC SETTING</b>	
QB PROPERTY	
 0 100 200 300 400 KILOMETRES	
DRAWN/REVISED BY: TCB/AG	PROJECT:
FILE: NOR\QB\ACAD97\QB-TECTO.DWG	DATE: DECEMBER, 1997

Modified after Mortensen and Jilson (1985), Mortensen (1992) and Johnston and Mortensen (1994).



- North American Miogeocline
- Pre-Triassic sedimentary and volcanic rocks
- Slide Mountain Terrane
- Chert, ultramafic, greenstone, metavolcanic and carbonate rocks
- Yukon-Tanana Terrane
- Paleozoic metasedimentary and metavolcanic rocks
- Cassiar Platform
- Paleozoic metasedimentary and metavolcanic rocks
- Intrusive Suites
- Paleozoic metaplutonic rocks
  - Mesozoic plutonic rocks
- Native land claim
  - Property owned 100% by Nordac Resources Ltd.
  - Deposit owned by others
  - Access route to property

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FIGURE 4  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**REGIONAL GEOLOGY**  
QB PROPERTY

0 10 20 30 40 50 Km

DRAWN/REVISED BY: TCB/AC	PROJECT:
FILE: N01/05/ACAD07/05-PR02A.DWG	DATE: DECEMBER, 1997

## REGIONAL MINERALIZATION

The Cassiar Platform and intrusive rocks of the Rancheria area are host to numerous mineral occurrences including: silver-lead-zinc±copper±gold veins, tin-tungsten-zinc skarns and lead-zinc-silver replacement bodies. The most significant discoveries in this region to date are the Silvertip (Midway), Logan and Silver Hart Deposits. The Silvertip Deposit is classified as a manto replacement body hosted in Devonian-age strata. Diamond drilling completed to date has outlined a mineral resource containing 2,570,000 tonnes with an average grade of 325.0 g/t silver, 6.4% lead, 8.8% zinc and 0.63 g/t gold (GCNL #10, January 15, 1998). Vein and shear-hosted mineralization occurs within the Cretaceous Marker Lake Batholith at the Logan Deposit where reserves are estimated at 12.3 million tonnes grading 6.17% zinc and 26.0 g/t silver (DIAND, 1995). The Silver Hart Deposit consists of a series of high grade silver-bearing veins reportedly containing 99,000 kg of silver (DIAND, 1995). The locations of these deposits are shown on Figure 4.

## PROPERTY GEOLOGY

Bedrock exposure on the property is poor (<1%) and is generally restricted to creek cuts. Trenching and drilling have slightly enhanced the understanding of local structure and stratigraphy, suggesting the existence of a relatively open synformal structure with an easterly-trending axis (Figure 5). Foliation parallels compositional layering. The main rock types recognized on the property are described below.

**Quartz-muscovite±biotite±feldspar schist** is tan weathering, medium grained, well foliated and pink to pale green. Quartz and feldspar augen are present in some layers with the feldspar often weathering to kaolinite. Foliaform quartz sweats are common while manganese stained fractures and minor limonite stringers are rare. This schist varies from hard and massive to crenulated and highly fissile.

**Muscovite-chlorite±biotite schist** is well foliated, grey to dark green weathering and moderately fissile. Biotite content varies from 0 to 30%.

**Quartz-muscovite schist** is light grey-green and mostly occurs as thin, 1 to 15 cm interfoliations within limestone. This unit is commonly calcareous.

**Limestone** is white and coarsely crystalline or pale greenish grey and fine grained. The finer grained material contains biotite and muscovite along schistose partings and laminations. Limestone outcrops are most abundant in the western part of the property. It and the quartz-muscovite schist were the only units intersected in the drill holes.

Most topographic linears seen on air photos are interpreted as steep faults that trend easterly, parallel to the synform axis. These structures may have played an important role in controlling mineralization. North-northeasterly and north-northwesterly trending faults have also been inferred based on isolated bedrock exposures, topographic linears and geophysical interpretation. Some of the north-northeasterly trending structures are associated with quartz veins (up to 3.5 m wide) or quartz diorite dykes (up to 0.1 m wide). The quartz diorite dykes clearly crosscut stratigraphy or exhibit strong planar fabrics parallel to regional foliation. Quartz veins are common within the schist units, typically exhibiting isoclinal folds and boudinage textures.

## SURFACE MINERALIZATION

Prospecting on the QB property suggests that mineralization is confined to the limestone and quartz-muscovite schist units and consists of pyrite, pyrrhotite, sphalerite, galena and/or chalcopyrite in various combinations. Only three mineralized outcrops have been observed and in each the mineralization occurs as fracture fillings. Although massive sulphide float is relatively common and has been discovered over a wide area, specimens rarely contain any wallrock so the relationship between the sulphides and their host stratigraphy is uncertain. One limestone float specimen contains a tightly folded band of stratabound sulphides which suggests that at least some of the mineralization is syngedimentary or replacement-type in origin. The locations of mineralized outcrops and float are shown on Figure 6.

Three main types of mineralization are described in the following paragraphs. Most of the mineralized specimens were collected and analyzed in 1996 (Wengzynowski, 1997). The 1997 specimens were sent to Chemex Labs Ltd. in North Vancouver where they were geochemically analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique and/or assayed for lead, zinc, copper and silver. Select samples were also analyzed for gold. Certificates of Analysis for the 1997 samples are included in Appendix II.

**Massive pyrite-pyrrhotite±sphalerite±galena±chalcopyrite** is found in float boulders up to 42 cm across at five locations on the property, with the largest concentration in Area A (Figure 6.) Sphalerite and galena occur as thin (1 to 10 mm) laminations or as irregular blebs within massive fine- to coarse-grained pyrite and/or pyrrhotite. Gangue includes dolomitized

limestone, white opaque quartz and tan ankerite, all of which form angular clasts. Most boulders are encapsulated by a 5 to 20 mm rind of oxide minerals. Assays from ten specimens averaged 9.98% zinc, 9.10% lead, 0.13% copper and 143.9 g/t silver with peak values up to 20.20% zinc, 18.70% lead, 0.28% copper and 281.0 g/t silver.

Banded massive pyrrhotite±pyrite float was found in Area C and along the banks of a large tributary of the Little Moose River which cuts across the eastern end of the soil geochemical anomaly (Area D). The mineralized float either occurs in glacial till or was washed from it. Specimens are tabular, up to 40 cm thick and consist of moderately laminated pyrrhotite with occasional silicified bands and schistose partings. One boulder exhibits massive pyrrhotite grading sharply into fine-grained banded pyrite. Magnetic intensity of pyrrhotite is variable from specimen to specimen. This type of mineralization generally returned low values for most metals, however sample 59009 yielded anomalous gold (670 ppb) and silver (4.8 g/t) assays.

**Heavily disseminated sulphides** occur in quartz-chlorite schist and dolomitized limestone forming glacial till boulders scattered along the linear drainage on the northern side of the main soil geochemical anomaly. Two types of mineralization are observed in the schist float. The first type consists of fine-grained foliaform galena, sphalerite and chalcopyrite distributed along thin bands within the rock while the other consists of coarse blebby pyrite, sphalerite and galena with carbonate in crosscutting fractures. Mineralization in schist was discovered in Area A. Dolomitized limestone specimens (59017 and 59018) containing weakly diffuse bands of disseminated sphalerite and galena in a soft grey-green matrix were found in Area B. Both

specimens exhibit minor oxidation rinds but leaching appears to be minimal. Specimen 59017 returned 12.60% zinc, 9.74% lead, 0.06% copper and 778.3 g/t silver while specimen 59018 yielded 7.66% zinc, 2.36% lead, 0.06% copper and 726.8 g/t silver.

**Pyrite±sphalerite±galena±chalcopyrite fracture mineralization** occurs in Areas D, E, F and G. Various combinations of this mineral assemblage have been recognized in quartz-muscovite schist and crystalline limestone. Fractures commonly form conjugate sets, stockworks and veins ranging between 5 mm and 10 cm in width. These structures normally crosscut compositional banding and/or foliation at steep angles. Specimen 59348 returned 1.29% zinc, 2.35% lead, 0.99% copper and 181.0 g/t silver.

## PROPERTY GEOCHEMISTRY

In September 1997 a two-person crew collected reconnaissance and grid soil samples west of the 1996 grid in an area where 1996 reconnaissance sampling had produced anomalous lead-zinc values.

Grid soil sampling was conducted using a newly cut extension of baseline 10600N. One metre lath bearing aluminum tags inscribed with grid coordinates were placed at 100 m intervals along the baseline. Soil samples were collected at 100 m intervals along lines spaced 100 m apart. Each sample site was marked with an inscribed aluminum tag attached to a 0.5 m lath. GPS readings were taken at a number of points on the grid to provide survey control. These readings were corrected using base station data obtained from the Department of Renewable Resources (Forestry) in Whitehorse. The corrected readings appears in Appendix III.

Reconnaissance soil samples were collected along claim lines further to the west. These samples were taken every 100 m except where frozen ground was encountered. The sample sites were marked with blue and orange flagging.

All samples were sent to Chemex Labs where they were screened to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the ICP technique. The 1996 and 1997 stream sediment and soil sample locations are shown on Figure 7 while Certificates of Analysis for the 1997 samples are contained in Appendix II. Results for four indicator elements (lead, zinc, silver and copper) are plotted with 1996 data on Figures 8 to 11 while anomalous thresholds and peak values are as follows.

**Anomalous Thresholds (ppm) and Peak Values (ppm)**

<u>Element</u>	<u>Weak</u>	<u>Moderate</u>	<u>Strong</u>	<u>1996 Peak</u>	<u>1997 Peak</u>
Lead	50	100	200	1618	862
Zinc	200	500	1000	>10,000	2960
Silver	1	2	5	1.6	3.4
Copper	50	100	200	239	223

Grid soil geochemistry now covers a 4000 by 2000 m area in the western part of the QB claim block. A broad band of anomalous lead and zinc response extends the full length of the grid. Lead and zinc are closely correlated. The strongest part of the anomaly is still the 800 by 200 m area identified in 1996. Isolated pockets of strongly anomalous values were outlined on the 1997 grid extension. Copper and silver analyses for samples from all parts of the grid generally returned background to weakly anomalous values.

Reconnaissance samples taken along two claim lines west of the grid returned weakly to strongly anomalous lead and zinc values almost continuously for a distance of 2000 m. Copper values were again low but the strongest silver response obtained from soils anywhere on the property came from samples taken on these westerly reconnaissance lines.

### EXCAVATOR TRENCHING

In March 1997 a wide pad Caterpillar D6 bulldozer and Hitachi UHO9 excavator were walked to the property. The excavator was left on site for use in summer 1997 while the bulldozer was immediately demobilized. The first 31 km of the access route followed the winter trail to the Logan property, which originates at Km 1107 on the Alaska Highway.

Trenching was done in early summer and included 1100 m of excavation in eight trenches oriented parallel to grid soil sample lines, as listed below and illustrated on Figure 6.

<u>Trench #</u>	<u>Grid Line</u>	<u>From</u>	<u>To</u>
1	L9+300E	10220N	10400N
2	L8+900E	10380N	10430N
3	L8+900E	10150N	10380N
4	L9+100E	10000N	10075N
5	L9+100E	10150N	10380N
6	L8+600E	10175N	10250N
7	L8+500E	10380N	10500N
	L8+600E	10075N	10140N
8	L8+200E	10225N	10290N

In preparation for excavation each trench site was cleared of trees. The organic soil was then stripped off and piled to one side of the trench while glacial till was piled on the other side. When trenching and mapping were completed the sites were reclaimed by first placing the excavated glacial till back into the trench, spreading the organic soil on top and finally dragging the vegetation back into the clearing to prevent erosion.

Four of eight trenches encountered intermittent bedrock. The other four bottomed in glacial till which exceeded the maximum depth capability (6.5 m) of the excavator. The entire width of the geochemical anomalies was not tested by the trenches because swampy unstable ground adjacent to the drainage bordering the northern edge of the geochemical anomaly limited excavator access. All trenches started as far north as possible.

Trenches 1 and 5 were excavated in the widest, strongest part of the geochemical anomaly. Both trenches failed to reach bedrock. Float boulders containing massive and fracture mineralization were located in the top 5 m of the till profile in both trenches. The northernmost 50 to 75 m of the trenches contain abundant boulders and cobbles of massive pyrrhotite-pyrite-galena-sphalerite±chalcopyrite with millimetre scale oxidation rinds. As trenching progressed southward only pyrrhotite-pyrite rich float was discovered. Orange-red limonite was scattered throughout the top 50 cm of the till profile immediately below a black organic cap. This material probably caused the geochemical anomalies.

Trenches 2, 3 and 4 form an en echelon series of excavations across the uphill edge of the main soil geochemical trend. Trench 2, located furthest north near the swampy drainage, bottomed in glaciofluvial soil. Several massive sulphide cobbles and pieces of fracture mineralization were located within the top 3 m of the soil profile. Small limonite fragments were abundant in the layer immediately below the organic cover. Trench 3 encountered bedrock between 70 and 210 m and exposed interbanded and massive limestone, quartz-muscovite schist and muscovite-chlorite schist. No mineralization was exposed but strong green-grey clay alteration was observed between

70 and 90 m. Similar clay alteration was found in a 1996 hand pit located 50 m west of the trench along the axis of a strong ground magnetic anomaly. Trench 4, the southernmost trench of the series, was designed to test another ground magnetic anomaly in an area with background geochemical response. The entire trench encountered alternating bands of highly fissile quartz-muscovite schist and muscovite-chlorite schist. The magnetic anomaly remains unexplained.

Trenches 6 and 7 are located 300 to 400 m southwest of and uphill from the main geochemical anomaly. Both trenches were excavated immediately adjacent to a cluster of strongly anomalous lead-zinc values which partially coincide with an HLEM conductor. Bedrock was only exposed in Trench 6 and consisted of alternating horizons of limestone and schist. No mineralization was encountered.

Trench 8 was located 700 m southwest of the main geochemical anomaly near an HLEM conductor. Bedrock consisted of massive white crystalline limestone and quartz-muscovite schist interbanded on a scale of 2 to 4 m. Some of the limestone was dolomitized, rendering it very hard and difficult to dig. No mineralization was encountered. Unfortunately, the trench had to be abandoned before it crossed the conductor.

### DIAMOND DRILLING

In early August 1997 a diamond drill was mobilized to the QB claims to test soil geochemical anomalies outlined in earlier programs. A total of 994 m were completed in eight holes using a Longyear 38 contracted from E. Caron Diamond Drilling of Whitehorse, Yukon. All holes were collared with HQ equipment but several were completed with NQ. All collar locations have been marked in the field with posts bearing inscribed metal tags. Drill core is temporarily stored at Caron's outdoor yard at MacRae, 15 km south of Whitehorse. The drill was left on the property.

Drill hole survey data are listed below while hole locations are shown on Figure 6.

<u>Hole No.</u>	<u>Easting</u>	<u>Northing</u>	<u>Azimuth (°)</u>	<u>Dip (°)</u>	<u>Length (m)</u>
QB 97-1	8+980	10+380	190	-90	21.97
QB 97-2	8+980	10+380	190	-52	149.40
QB 97-3	9+090	10+520	190	-50	145.08
QB 97-4	9+090	10+520	010	-50	95.06
QB 97-5	9+200	10+410	330	-50	213.36
QB 97-6	8+894	10+440	330	-50	124.05
QB 97-7	9+300	10+530	150	-50	134.40
QB 97-8	8+800	10+460	330	-50	110.33

Core was logged at the Nordac trailer camp for lithology, structure, RQD and recovery.

Intervals selected for analysis were then split and the samples sent to Chemex Labs where they were crushed and pulverized to more than 90%, 100 micron (-150 mesh) using a chrome-steel ring mill.

Weakly mineralized samples were analyzed for 32 elements using the ICP technique while better mineralized samples were assayed for zinc, lead, copper, silver and gold. Assay certificates for the samples appear in Appendix II and the synoptic logs are in Appendix IV.

## **Results**

QB-97-1 (Figure 12) was a short vertical hole designed to test overburden depth and foliation angles along the southwestern edge of the main soil geochemical anomaly. Overburden was, surprisingly, only 3 m deep at this site.

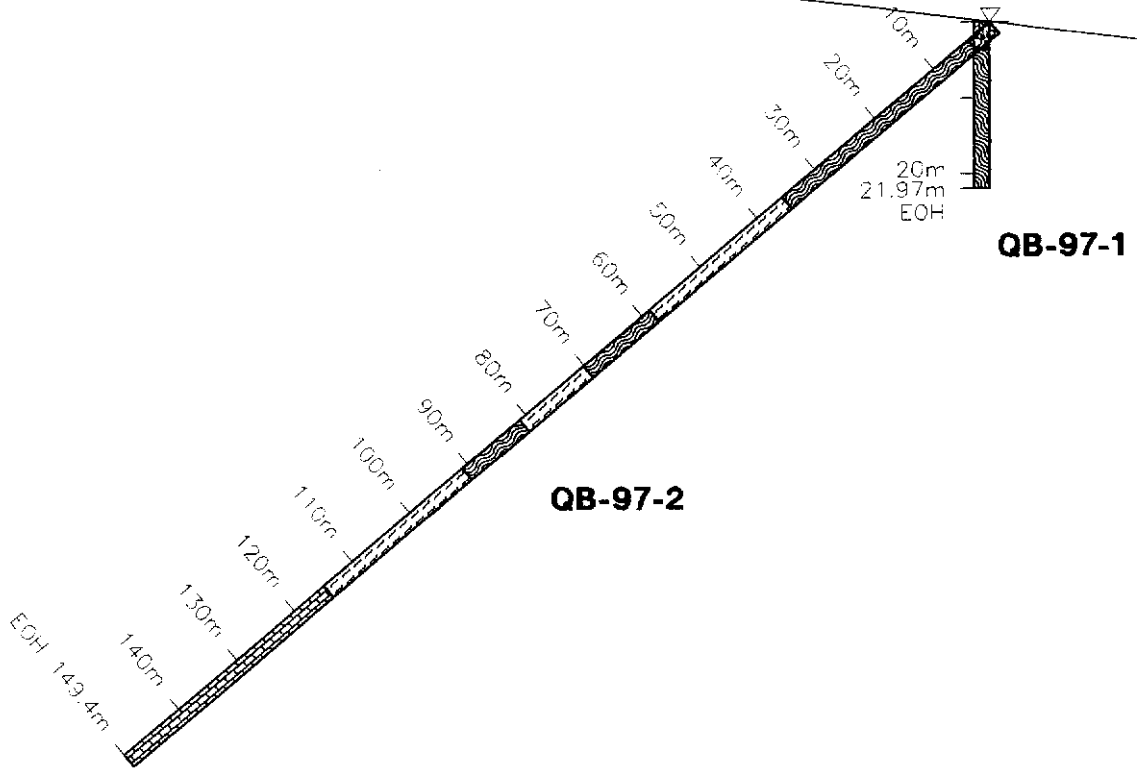
QB-97-2 (Figure 12) was collared on the same site as QB-97-1 and oriented at 190° azimuth and -52° dip. Quartz-muscovite±biotite schist and foliated recrystallized limestone were cut but no mineralization was encountered. Although foliation angles were usually 70 to 80° to core axis, small scale folding was observed at about 100 m depth.





QB-97-3 (Figure 13) was collared 170 m northeast of QB-97-2 and drilled southwesterly beneath the suspected synformal axis. Small scale folding was observed but there was no clear evidence that the synformal axis was crossed. Trace galena and sphalerite were found near the top of the hole in widely spaced crosscutting stringers within quartz-muscovite±biotite schist. No other mineralization was encountered.

QB-97-4 (Figure 13) was drilled northeasterly from the same site as QB-97-3. This hole encountered 3.70 m of massive pyrite at 17.07 m. The mineralization was broken by a 1.18 m fault zone containing milled quartz-muscovite schist and pyrite clasts. The massive pyrite appears to have replaced limestone and consists of 30% coarse cubes within a finer grained matrix that includes minor pyrrhotite. Traces of galena appear in fine fractures at the top of the interval. The remainder of the hole cut interlayered muscovite schists before ending in limestone. Two pyrite-galena±sphalerite veins (4 and 20 cm thick) were intercepted within the schists. A 30 cm interval containing the thicker of the two veins assayed 2.59% zinc, 5.78% lead and 58.0 g/t silver.

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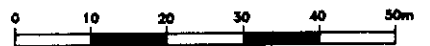


-  Overburden
-  Quartz-muscovite ± biotite ± feldspar schist
-  Quartz-muscovite schist
-  Limestone

**NORDAC RESOURCES LTD.**

Figure 12  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION  
QB-97-1 and 2  
QB PROPERTY**



DRAWN/REVISED BY: AB

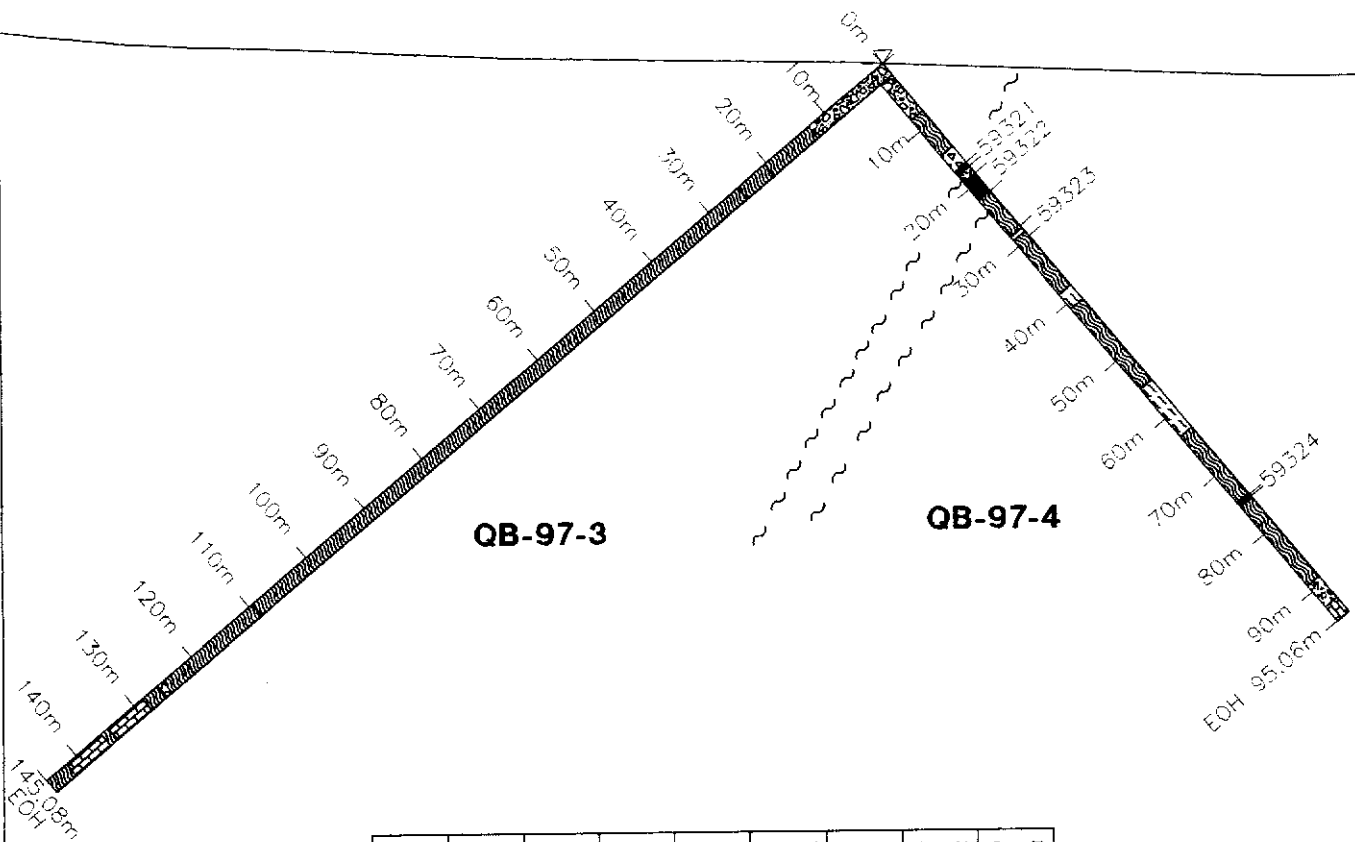
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FILE: NOR\QB\ACAD97\QB-151&2.DWG

DATE: DECEMBER, 1987

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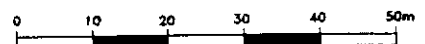
Sample	Hole	From	To	Interval	Ag g/t	Pb %	Zn %	Cu %
59321	97-4	17.07	17.72	0.65	7.0	0.02	0.01	0.09
59322	97-4	18.90	21.95	3.05	10.0	0.01	0.02	0.10
59323	97-4	28.04	29.86	1.82	5.0	0.35	1.23	0.02
59324	97-4	74.78	75.08	0.30	58.0	5.78	2.59	0.15

	Overburden		Calcite breccia
	Quartz-muscovite ± biotite ± feldspar schist		Massive sulphide
	Quartz-muscovite- biotite schist		Fault gouge
	Limestone		Fault or shear, inferred

## NORDAC RESOURCES LTD.

Figure 13  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION**  
**QB-97-3 and 4**  
 QB PROPERTY



DRAWN/REVISED BY: AB

PROJECT:

FILE: NORDAC\ACAD97\QB-Y53-4.DWG

DATE: DECEMBER, 1997

QB-97-5 (Figure 14) was collared at the northern edge of the soil geochemical anomaly and drilled across the broad swampy drainage. The hole cut interfoliated muscovite schist and limestone containing a 27.65 m zone (90.00 to 117.65 m) of weak calcite±galena±sphalerite±pyrite veining. All samples from this interval returned less than 1% combined lead-zinc. A 50 cm wide calcite-pyrite-sphalerite-galena vein at 57.89 m returned 3.78% zinc, 2.68% lead and 24.0 g/t silver.

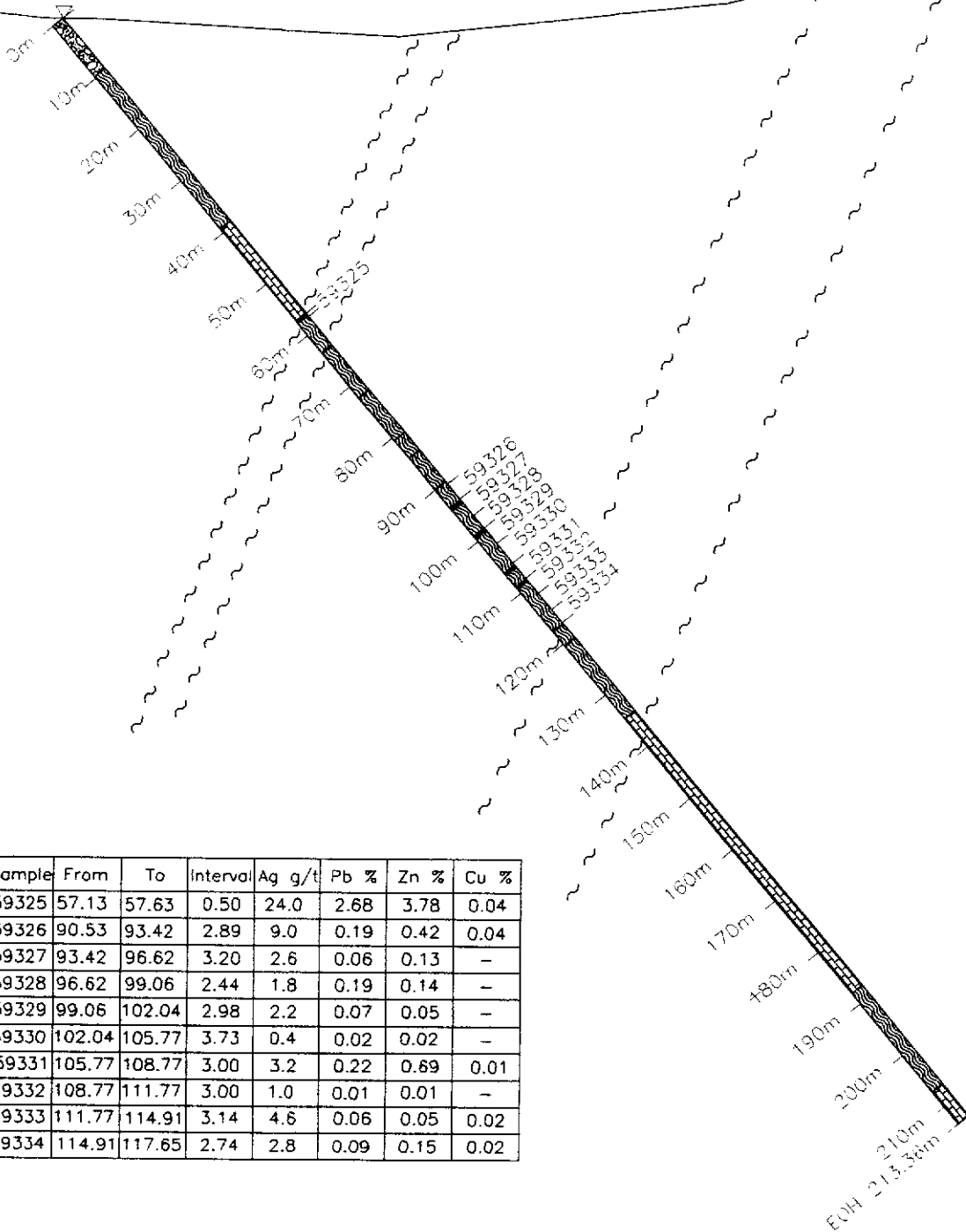
QB-97-6 (Figure 15) was collared near the uphill edge of the main soil geochemical anomaly and drilled northward beneath a linear drainage. This hole cut calcareous muscovite schist grading into limestone with interfoliated schist. Minor pyrite, sphalerite and galena were observed in calcite breccias and stockworks throughout most of the hole. A patchy calcite breccia zone was encountered between 79.33 and 96.86 m which contained a massive sulphide vein at 85.97 m, a sample from which returned 6.45% zinc, 6.66% lead and 98.1 g/t silver over 99 cm.

QB-97-7 (Figure 16) was collared along the northern edge of the soil geochemical anomaly and drilled southward beneath the drainage toward Trench 1 where the highest concentration of the massive sulphide float was discovered in till. The hole cut quartz-muscovite schist and foliated recrystallized limestone with schistose partings. A 50 cm pyrite-sphalerite-galena-calcite vein was intercepted at 97.96 m which returned 5.05% zinc, 6.47% lead and 60.3 g/t silver.

QB-97-8 (Figure 17) was collared uphill from the main geochemical anomaly to test the projected strike extension of mineralization encountered in QB-97-6, 100 m to the east. This hole intersected 1.75 m of massive and semi-massive sulphides within an 11.93 m wide (67.67 to

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NW



Sample	From	To	Interval	Ag g/t	Pb %	Zn %	Cu %
59325	57.13	57.63	0.50	24.0	2.68	3.78	0.04
59326	90.53	93.42	2.89	9.0	0.19	0.42	0.04
59327	93.42	96.62	3.20	2.6	0.06	0.13	-
59328	96.62	99.06	2.44	1.8	0.19	0.14	-
59329	99.06	102.04	2.98	2.2	0.07	0.05	-
59330	102.04	105.77	3.73	0.4	0.02	0.02	-
59331	105.77	108.77	3.00	3.2	0.22	0.69	0.01
59332	108.77	111.77	3.00	1.0	0.01	0.01	-
59333	111.77	114.91	3.14	4.6	0.06	0.05	0.02
59334	114.91	117.65	2.74	2.8	0.09	0.15	0.02



Overburden



Massive sulphide



Quartz-muscovite schist



Calcite breccia



Limestone



Fault or shear, inferred

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Figure 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION**  
**97-QB-5**  
 QB PROPERTY



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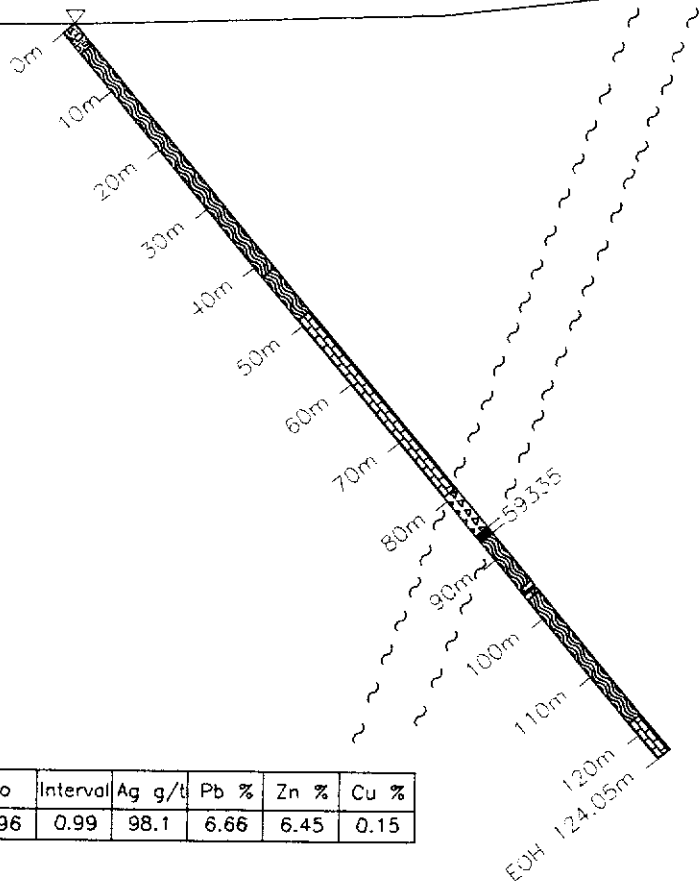
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DATE: DECEMBER, 1997

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NW



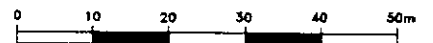
Sample	From	To	Interval	Ag g/t	Pb %	Zn %	Cu %
59335	85.97	86.96	0.99	98.1	6.66	6.45	0.15

-  Overburden
-  Quartz-muscovite schist
-  Limestone
-  Massive sulphide
-  Calcite breccia
-  Fault or shear, inferred

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Figure 15  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION**  
**97-QB-6**  
QB PROPERTY



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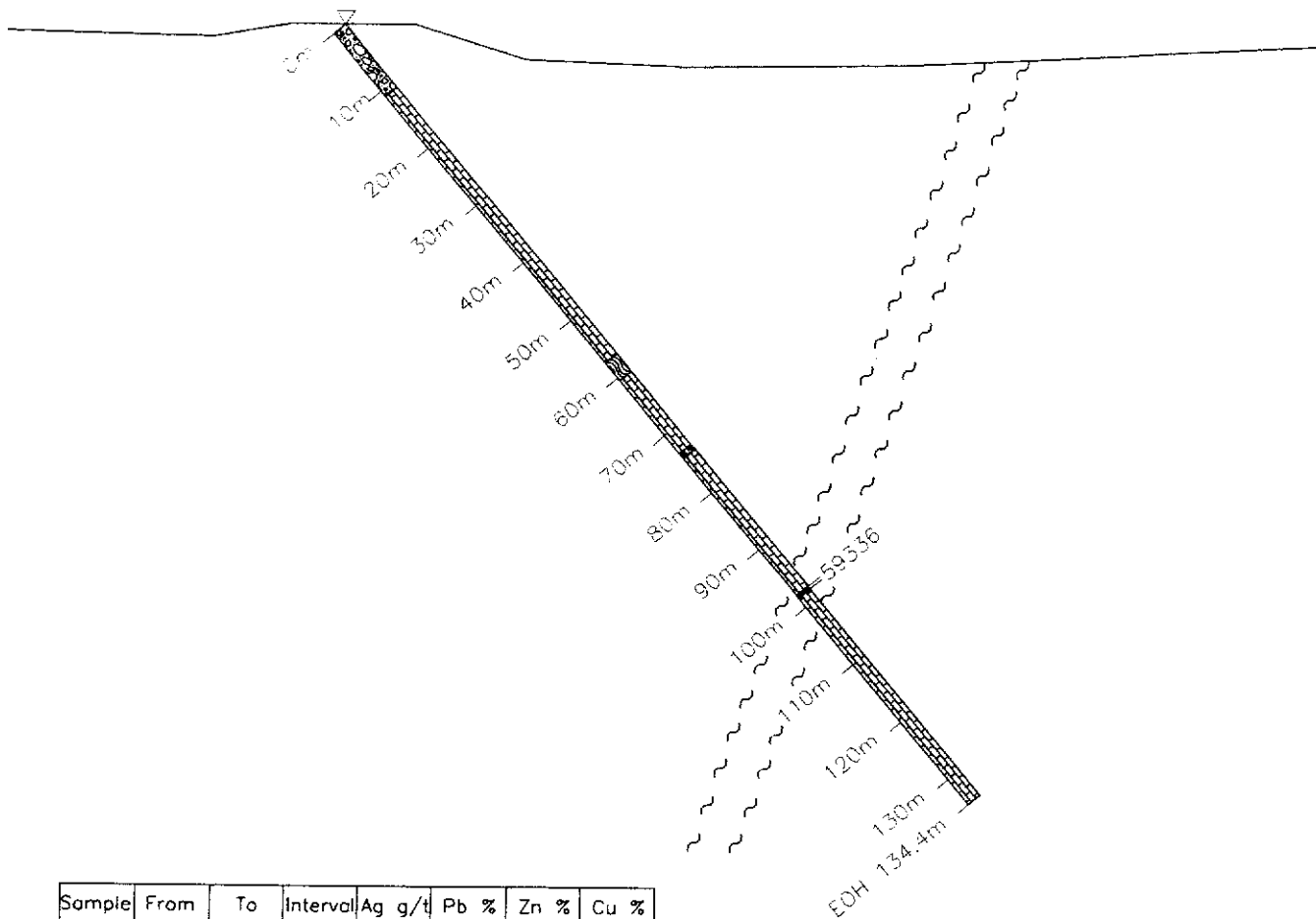
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DATE: DECEMBER, 1997

NW

SE



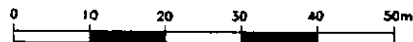
Sample	From	To	Interval	Ag g/t	Pb %	Zn %	Cu %
59336	97.96	98.46	0.50	60.3	6.47	5.05	0.08

-  Overburden
-  Quartz-muscovite schist
-  Limestone
-  Massive sulphide
-  Fault gouge
-  Fault or shear, inferred

**NORDAC RESOURCES LTD.**

Figure 16  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

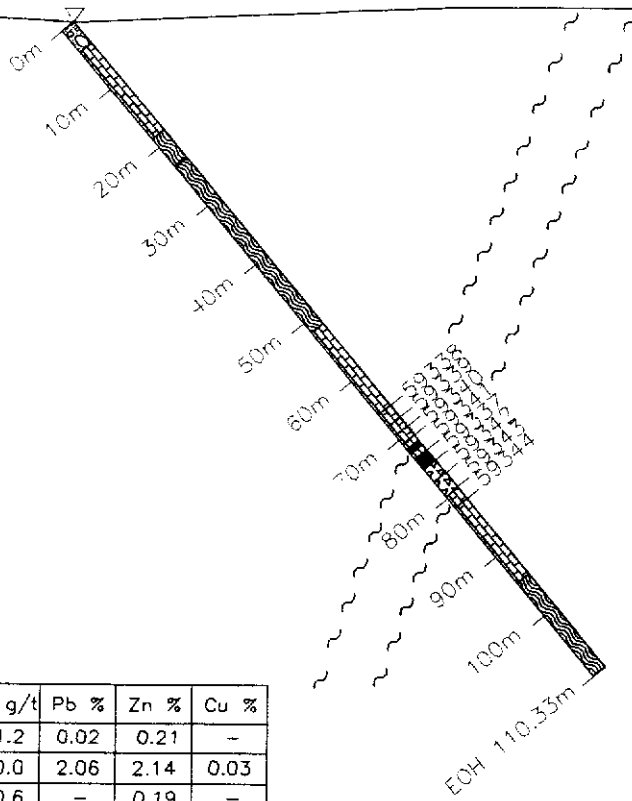
**CROSS SECTION  
97-QB-7  
QB PROPERTY**



DRAWN/REVISED BY: AB	PROJECT:
FILE: NORDAC\ACAD97\QB-XST.DWG	DATE: DECEMBER, 1997

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NW



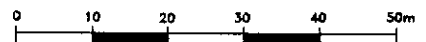
Sample	From	To	Interval	Ag g/t	Pb %	Zn %	Cu %
59338	65.67	67.67	2.00	1.2	0.02	0.21	-
59339	67.67	69.20	1.53	60.0	2.06	2.14	0.03
59340	69.20	70.70	1.50	0.6	-	0.19	-
59341	70.70	73.30	2.60	4.0	0.04	1.39	0.01
59337	73.30	75.05	1.75	107.5	8.43	13.50	0.07
59342	75.05	77.22	2.17	2.0	0.02	2.51	0.01
59343	77.22	79.60	2.38	2.0	0.06	0.85	0.01
59344	79.60	81.60	2.00	-	-	0.08	-

-  Overburden
-  Quartz-muscovite schist
-  Limestone
-  Massive sulphide
-  Calcite breccia
-  Fault or shear, inferred

**NORDAC RESOURCES LTD.**

Figure 17  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION**  
**97-QB-8**  
 QB PROPERTY

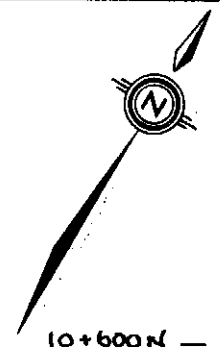


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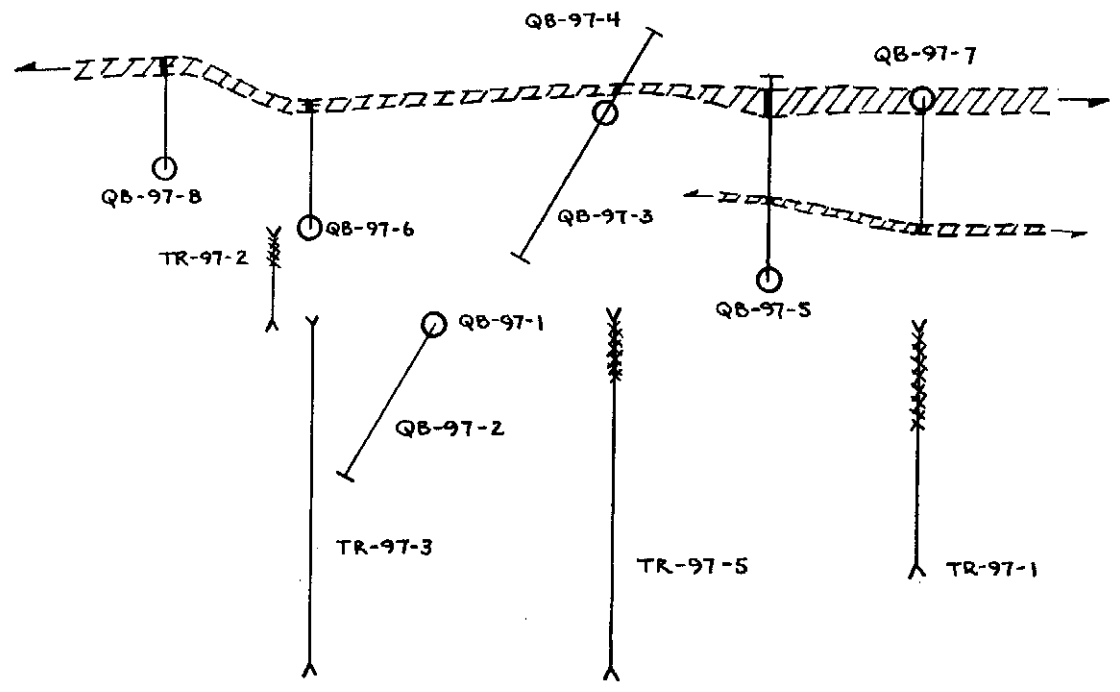
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 DATE: DECEMBER, 1997

79.60 m) calcite breccia stockwork zone containing abundant galena-sphalerite±calcite±pyrite stringers. The massive sulphide consisted of banded sphalerite, pyrite and galena in a calcite matrix. The massive sulphide part of the zone assayed 13.50% zinc, 8.43% lead and 107.5 g/t silver over 1.75 m while the entire zone returned a weighted average of 3.20% zinc, 1.52% lead and 25.2 g/t silver over 11.93 m.

Sulphide-wallrock contacts were usually highly fractured and yielded poor core recovery. However, contacts in QB-97-8 were well cored and crosscut bedding at below 60 and 65° to the core axis. Although the holes are too widely spaced to make reliable correlation between them, most mineralized intersections obtained to date can be explained by two subparallel east-northeasterly trending, southeasterly-dipping fracture zones as illustrated on Figure 18.



10+600 N —  
 10+500 N —  
 10+400 N —  
 10+300 N —  
 10+200 N —

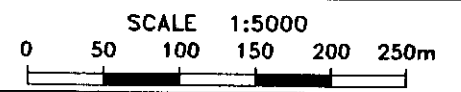


— 8+800 E  
 — 8+900 E  
 — 9+000 E  
 — 9+100 E  
 — 9+200 E  
 — 9+300 E  
 — 9+400 E

- Drill hole with mineralized and non-mineralized fracture zone projected to surface
- Excavator trench
- Projected surface trace of interpreted mineralized fracture zone
- Abundant massive sulphide float in till

**NORDAC RESOURCES LTD.**

FIGURE 18  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**INTERPRETED MINERAL TREND**  
 QB PROPERTY



## DISCUSSION AND CONCLUSIONS

The 1997 exploration program at the QB property was designed to test the previously outlined lead-zinc soil geochemical anomaly and locate the source of the massive sulphide float boulders discovered within it. Mechanized exploration consisted of 1100 m of excavator trenching followed by 994 m of diamond drilling.

The trenches were widely spaced along an 1100 m section of the 4000 m long soil geochemical anomaly. While intermittent bedrock was encountered in five of eight trenches, all of those in the core of the anomaly bottomed in glacial till. Abundant massive and fracture lead-zinc-silver mineralization was exposed in till within the trenches near the northern edge of the anomaly. No significant mineralization was found in bedrock. The distribution of the mineralized float suggested that the source lies under thick till in a swampy area surrounding a broad linear drainage coinciding with the northern boundary of the soil geochemical anomaly.

Eight diamond drill holes were located within the swampy area and tested along a 500 m section of the target. The first three holes encountered only minor fracture mineralization but provided valuable data about overburden depth and bedrock foliation. Subsequent holes were designed to test along the northern edge of the anomaly beneath the linear drainage. Most of these holes intersected multiple zones of moderate to intense faulting with associated brecciation. Massive, semi-massive and fracture mineralization was encountered in all five of the holes, usually in breccia zones within limestone horizons. QB-97-8 returned the best intersection which assayed

3.20% zinc, 1.52% lead and 25.2g/t silver over 11.93 m, including 13.50% zinc, 8.43% lead and 107.5 g/t silver across 1.75 m.

Fault contact angles, although seldom preserved, indicate at least some mineralized structures dip steeply (approximately 65°) to the southeast. Although drilling is too widely spaced to provide reliable correlations between holes, the main intersections can be connected assuming east-northeasterly trends with steep southeasterly dips. Massive sulphide intersections obtained to date are too narrow to adequately explain the abundant mineralized float observed in the till profiles of the excavator trenches.

Soil geochemistry has defined an excellent lead-zinc-silver target, only part of which has been tested by drilling and trenching. Radiogenic lead isotope data, sulphide textures and wallrock alteration indicate that the mineralization is epigenetic. Although most mineralization is thought to occur in large fracture zones based on brecciation and contact relationships, these features are not conclusive and the relative absence of shearing, coupled with localization of mineralization within limestone horizons may indicate that manto or replacement-type mineralization is also present. Substantial variations in silver-to-lead ratios obtained from various mineralized float locales has not yet been explained by drilling.

Additional diamond drilling is required to delineate the sulphide zones. The first hole should be drilled from site QB-97-8 (where the drill is currently situated) at a steeper angle to obtain a second sulphide intersection. This should determine the structural orientation of the zone and its

relationship with the wallrocks. Further testing would then be required both along strike and across the soil geochemical anomaly to test for continuity and/or parallel zones. In light of recent increases in silver prices, particular attention should be paid to the silver rich float located approximately 600 m west of the current drill area. Prospecting, geological mapping and grid soil sampling should be done in conjunction with the drilling to delineate the soil geochemical anomalies outlined on reconnaissance lines west of the existing geochemical grid.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in cursive script, appearing to read 'W.A. Wengzynowski'.

W.A. Wengzynowski, B.A.Sc.

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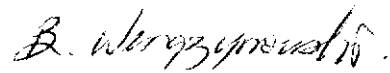
**APPENDIX I**

**AUTHOR'S STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.A.Sc. in geological engineering, option 1, mineral and fuel exploration.
2. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently employed with Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in and supervised the field work reported herein.

  
W.A. Wengzynowski, B.A.Sc.

**APPENDIX II**  
**CERTIFICATES OF ANALYSIS**



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
British Columbia, Canada V7J 2C1  
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To: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project : QB  
Comments:

Page Number : 1  
Total Pages : 1  
Certificate Date: 19-OCT-97  
Invoice No. : 19746717  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS

A9746717

SAMPLE	PREP CODE	Ag FA g/t	Pb %	Zn %								
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CERTIFICATION:



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 Y1A 3S9

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CERTIFICATION: Hart Buchler



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Y1A 3S9

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Account : MTT

Project : QB  
Comments:

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CERTIFICATION: Hart Buehler



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Y1A 3S9

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CERTIFICATION: Hart Bechler



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P.O. Number :  
Account : MTT

Project : QB  
Comments:

## CERTIFICATE OF ANALYSIS

### A9746019

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CERTIFICATION: Hart Bichler



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Project: QB  
Comments:

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Account: MTT

## CERTIFICATE OF ANALYSIS A9746017

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
59346	208 226	57	4.75	1000	30	20	2.15	190	30	100	5720	7.40	4.9	0.45	1760

CERTIFICATION: Haut Bichler



# Chemex Labs Ltd.

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

to: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project: QB  
Comments:

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Certificate Date: 15-OCT-97  
Invoice No.: 19746017  
P.O. Number:  
Account: MTT

## CERTIFICATE OF ANALYSIS

A9746017

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)						
59346	208 226	< 10	0.15	10	0.906	600	0.25	40	17080						

CERTIFICATION: Hart Bichler



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Y1A 3S9

Project : QB  
Comments:

Page Number : 1-A  
Total Pages : 1  
Certificate Date: 12-OCT-97  
Invoice No. : 19746016  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9746016

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
	FA+AA		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
059349	205	226	45	1.2	0.23	136	10	< 0.5	< 2	0.03	< 0.5	3	126	12	1.30	< 10	< 1	0.07	10	0.01	45
059350	205	226	30	0.8	1.28	262	30	2.0	< 2	6.13	0.5	< 1	68	8	1.53	10	< 1	0.56	< 10	0.20	35

CERTIFICATION: Hart Buchler



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Invoice No. : 19746016  
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## CERTIFICATE OF ANALYSIS

### A9746016

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
059349	205	226	< 1	< 0.01	8	150	30	6	< 1	10	< 0.01	< 10	< 10	1	< 10	190
059350	205	226	90	0.02	1	60	18	30	2	26	< 0.01	< 10	< 10	8	10	22

CERTIFICATION: Hart Bichler



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 Invoice No. : 19745966  
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## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	
	CODE		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	
BB27751	201	202	< 0.2	0.94	4	20	< 0.5	< 2	0.05	0.5	4	14	10	2.15	< 10	< 1	0.06	10	0.32	130	< 1	
BB27752	201	202	< 0.2	1.14	4	30	< 0.5	< 2	0.03	< 0.5	4	15	9	2.01	< 10	< 1	0.08	10	0.36	130	< 1	
BB27753	201	202	0.2	2.50	42	30	1.0	< 2	0.35	1.0	12	29	17	3.55	< 10	< 1	0.11	10	1.03	350	< 1	
BB27754	201	202	< 0.2	1.71	4	40	0.5	< 2	0.08	< 0.5	8	21	12	2.94	< 10	< 1	0.08	20	0.43	205	1	
BB27755	201	202	< 0.2	2.99	6	80	1.0	< 2	0.40	< 0.5	22	31	25	3.97	10	< 1	0.21	20	0.83	455	< 1	
BB27756	201	202	1.4	2.27	6	50	0.5	< 2	0.69	1.0	12	27	23	2.90	< 10	< 1	0.14	30	0.66	355	< 1	
BB27757	201	202	0.2	2.64	40	30	1.5	< 2	0.27	0.5	16	38	16	4.52	10	< 1	0.11	50	0.89	1870	< 1	
BB27758	201	202	< 0.2	2.78	18	60	0.5	< 2	0.54	< 0.5	14	36	24	3.71	10	< 1	0.26	30	0.92	540	1	
BB27759	201	202	0.4	2.61	8	50	0.5	< 2	0.59	< 0.5	12	34	20	3.55	< 10	< 1	0.26	30	0.92	335	< 1	
BB27760	201	202	< 0.2	2.66	8	60	0.5	< 2	0.25	0.5	11	33	19	3.10	< 10	< 1	0.15	30	0.83	290	1	
BB27761	201	202	0.2	2.38	6	60	0.5	< 2	0.18	< 0.5	11	29	17	2.98	< 10	< 1	0.13	20	0.74	235	< 1	
BB27762	201	202	< 0.2	2.46	8	70	0.5	< 2	0.18	< 0.5	10	29	16	3.00	< 10	< 1	0.17	30	0.75	285	< 1	
BB27763	201	202	0.4	1.96	10	40	0.5	< 2	0.13	< 0.5	9	23	14	2.59	< 10	< 1	0.12	20	0.58	205	< 1	
BB27764	201	202	0.8	3.66	32	50	1.5	< 2	0.41	1.5	18	41	116	3.93	10	< 1	0.26	10	0.90	295	< 1	
BB27765	201	202	0.4	4.52	26	70	2.0	< 2	0.46	4.0	19	49	134	4.32	< 10	< 1	0.42	10	1.02	685	< 1	
BB27766	201	202	< 0.2	2.88	6	60	0.5	< 2	0.26	1.5	13	42	22	4.23	10	< 1	0.16	10	0.85	280	< 1	
BB27767	201	202	1.2	3.38	40	80	2.0	< 2	0.35	2.5	14	34	55	3.33	< 10	< 1	0.12	50	0.75	460	1	
BB27768	201	202	< 0.2	1.50	14	50	0.5	< 2	0.35	0.5	9	22	14	2.54	< 10	< 1	0.19	10	0.55	855	< 1	
BB27769	201	202	0.8	3.21	22	70	1.0	< 2	1.36	2.0	16	46	41	3.93	10	< 1	0.23	20	1.01	585	< 1	
BB27770	201	202	< 0.2	2.11	12	30	0.5	< 2	0.43	0.5	9	28	16	2.66	< 10	< 1	0.20	30	0.66	265	< 1	
BB27771	201	202	0.2	2.95	36	60	1.5	< 2	0.45	1.0	14	36	25	4.04	10	< 1	0.17	30	1.05	525	< 1	
BB27772	201	202	< 0.2	2.04	10	40	1.0	< 2	0.62	0.5	12	26	19	4.15	< 10	< 1	0.08	50	0.83	450	< 1	
BB27773	201	202	< 0.2	2.08	30	50	1.0	< 2	0.60	0.5	11	28	21	3.46	< 10	< 1	0.11	40	0.74	435	< 1	
BB27774	201	202	< 0.2	2.53	2	50	1.5	< 2	1.59	0.5	17	35	19	5.38	10	< 1	0.10	50	1.21	860	< 1	
BB27775	201	202	< 0.2	1.67	26	40	0.5	< 2	0.90	0.5	10	20	18	3.18	< 10	< 1	0.10	30	0.75	210	< 1	
BB27776	201	202	0.2	0.82	2	10	< 0.5	< 2	13.45	2.0	2	12	10	2.98	< 10	< 1	< 0.01	10	8.10	885	< 1	
BB27777	201	202	0.2	2.88	10	100	0.5	< 2	0.60	0.5	11	37	24	3.14	< 10	< 1	0.16	10	0.90	285	1	
BB27778	201	202	1.4	3.65	24	50	2.0	2	0.55	4.0	17	48	39	4.81	10	< 1	0.20	20	1.01	510	< 1	
BB27779	201	202	< 0.2	3.18	22	40	1.5	< 2	0.30	1.5	20	37	25	5.41	< 10	< 1	0.15	10	0.78	365	< 1	
BB27780	201	202	1.0	3.42	20	70	1.5	< 2	0.53	4.0	17	45	33	4.31	10	< 1	0.25	10	1.03	340	< 1	
BB27781	201	202	1.0	3.24	14	60	1.0	< 2	1.09	2.0	17	45	30	3.84	< 10	< 1	0.22	30	1.12	645	< 1	
BB27782	201	202	0.4	3.68	24	30	2.0	< 2	0.11	1.5	11	82	60	6.38	10	< 1	0.10	10	0.78	210	1	
BB27783	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BB27784	201	202	3.4	3.65	32	60	2.0	< 2	0.92	2.0	15	46	60	4.03	10	< 1	0.14	50	1.66	1135	1	
BB27785	201	202	< 0.2	1.27	16	60	< 0.5	< 2	0.21	2.5	6	19	15	2.52	< 10	< 1	0.11	20	0.41	260	< 1	
BB27786	201	202	2.0	2.26	84	40	2.0	< 2	0.26	5.5	35	22	47	3.10	< 10	< 1	0.12	30	0.47	445	1	
BB27787	201	202	0.2	1.30	10	40	< 0.5	< 2	0.24	1.5	5	19	17	2.75	< 10	< 1	0.12	10	0.35	160	< 1	
BB27788	201	202	0.6	2.13	12	50	0.5	< 2	0.13	1.5	8	26	21	3.12	< 10	< 1	0.10	10	0.61	215	3	
BB27789	201	202	0.2	2.27	6	60	0.5	< 2	0.18	0.5	11	31	17	3.29	< 10	< 1	0.12	20	0.69	280	< 1	
BB27790	201	202	< 0.2	2.35	4	50	0.5	< 2	0.26	0.5	11	32	13	3.44	10	< 1	0.15	10	0.72	245	< 1	

CERTIFICATION: Hart Buehler



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Page Number : 1-B  
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## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27751	201 202	< 0.01	8	90	12	< 2	1	6	0.02	< 10	< 10	21	< 10	58
BB27752	201 202	< 0.01	9	90	18	< 2	1	5	0.03	< 10	< 10	17	< 10	44
BB27753	201 202	0.01	25	400	124	< 2	3	48	0.05	< 10	< 10	27	< 10	112
BB27754	201 202	< 0.01	16	350	18	< 2	1	16	0.04	< 10	< 10	26	< 10	114
BB27755	201 202	0.04	45	440	36	< 2	3	383	0.06	< 10	< 10	27	< 10	94
BB27756	201 202	0.03	28	250	68	< 2	3	131	0.06	< 10	< 10	26	< 10	140
BB27757	201 202	< 0.01	41	230	46	< 2	5	51	0.01	< 10	< 10	35	< 10	160
BB27758	201 202	0.05	32	270	40	< 2	4	188	0.08	< 10	< 10	29	< 10	104
BB27759	201 202	0.04	28	210	50	< 2	5	218	0.07	< 10	< 10	28	< 10	98
BB27760	201 202	0.02	26	180	56	< 2	3	92	0.06	< 10	< 10	27	< 10	108
BB27761	201 202	0.01	25	250	58	< 2	3	61	0.04	< 10	< 10	25	< 10	104
BB27762	201 202	< 0.01	25	180	62	< 2	3	55	0.05	< 10	< 10	26	< 10	120
BB27763	201 202	< 0.01	22	210	38	< 2	2	35	0.04	< 10	< 10	21	< 10	102
BB27764	201 202	0.04	40	580	134	< 2	4	167	0.07	< 10	< 10	32	< 10	318
BB27765	201 202	0.02	43	690	862	< 2	4	110	0.06	< 10	< 10	35	< 10	1075
BB27766	201 202	< 0.01	27	380	64	< 2	3	79	0.09	< 10	< 10	42	< 10	390
BB27767	201 202	0.02	54	680	116	< 2	5	72	0.06	< 10	< 10	25	< 10	930
BB27768	201 202	0.01	16	510	42	< 2	3	42	0.06	< 10	< 10	21	< 10	176
BB27769	201 202	0.09	33	530	134	< 2	5	246	0.10	< 10	< 10	38	< 10	294
BB27770	201 202	0.03	18	360	36	< 2	3	86	0.08	< 10	< 10	25	< 10	116
BB27771	201 202	0.02	36	200	72	< 2	3	89	0.12	< 10	< 10	38	< 10	194
BB27772	201 202	< 0.01	23	150	46	< 2	6	48	0.04	< 10	< 10	25	< 10	80
BB27773	201 202	0.01	27	290	30	< 2	4	62	0.05	< 10	< 10	26	< 10	160
BB27774	201 202	< 0.01	28	180	40	< 2	6	115	0.05	< 10	< 10	33	< 10	70
BB27775	201 202	0.01	23	220	34	< 2	3	72	0.02	< 10	< 10	17	< 10	82
BB27776	201 202	< 0.01	6	260	98	< 2	1	357	< 0.01	< 10	< 10	6	< 10	56
BB27777	201 202	0.04	26	170	76	< 2	3	130	0.06	< 10	< 10	29	< 10	136
BB27778	201 202	0.03	38	640	256	< 2	4	139	0.08	< 10	< 10	37	< 10	652
BB27779	201 202	0.01	39	610	126	< 2	3	68	0.06	< 10	< 10	31	< 10	230
BB27780	201 202	0.05	39	580	160	< 2	4	154	0.09	< 10	< 10	37	< 10	468
BB27781	201 202	0.10	32	510	102	< 2	5	224	0.10	< 10	< 10	36	< 10	470
BB27782	201 202	< 0.01	38	390	100	< 2	6	21	0.14	< 10	< 10	83	< 10	680
BB27783	---	---	---	---	---	---	---	---	---	---	---	---	---	---
BB27784	201 202	0.05	31	390	244	< 2	7	164	0.08	< 10	< 10	36	< 10	196
BB27785	201 202	< 0.01	12	180	26	< 2	1	35	0.08	< 10	< 10	35	< 10	360
BB27786	201 202	< 0.01	26	430	246	< 2	2	38	0.06	< 10	< 10	26	< 10	656
BB27787	201 202	< 0.01	11	290	40	< 2	1	36	0.07	< 10	< 10	42	< 10	224
BB27788	201 202	< 0.01	21	270	102	< 2	2	36	0.05	< 10	< 10	28	< 10	462
BB27789	201 202	< 0.01	22	230	50	< 2	3	46	0.07	< 10	< 10	31	< 10	354
BB27790	201 202	0.01	24	190	28	< 2	3	74	0.07	< 10	< 10	35	< 10	214

CERTIFICATION: Hart Bickler



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## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB27791	201 202	0.4	5.07	2	50	1.5	< 2	0.62	1.0	26	55	32	5.21	10	< 1	0.26	10	1.10	385	< 1
BB27792	201 202	1.0	1.33	6	40	< 0.5	< 2	0.08	1.5	6	22	14	2.49	< 10	< 1	0.08	10	0.46	225	< 1
BB27793	201 202	2.0	1.92	6	40	0.5	< 2	0.08	2.0	7	29	16	3.01	< 10	< 1	0.11	10	0.60	205	< 1
BB27794	201 202	0.4	2.28	10	50	0.5	< 2	0.12	2.0	8	30	17	3.72	10	< 1	0.07	10	0.56	205	< 1
BB27795	201 202	1.8	3.37	18	60	1.5	< 2	0.29	2.0	12	35	25	3.50	< 10	< 1	0.11	20	0.66	265	< 1
BB27796	201 202	< 0.2	1.75	2	60	< 0.5	< 2	0.06	0.5	6	26	12	3.95	10	< 1	0.12	20	0.41	225	< 1
BB27797	201 202	1.2	2.83	40	90	1.5	< 2	1.29	6.0	14	28	37	2.92	< 10	< 1	0.18	40	0.63	975	< 2
BB27798	201 202	0.2	4.27	24	60	1.0	< 2	0.71	5.5	17	51	22	4.60	10	< 1	0.16	10	2.75	1065	< 1
BB27799	201 202	0.2	2.14	12	50	0.5	< 2	0.15	2.0	11	32	13	3.96	10	< 1	0.09	10	0.60	240	< 1
BB27800	201 202	< 0.2	0.97	8	30	< 0.5	< 2	0.26	0.5	6	15	16	1.61	< 10	< 1	0.10	10	0.36	200	< 1
BB27801	201 202	< 0.2	2.64	26	60	0.5	< 2	1.32	2.5	11	39	38	3.28	< 10	< 1	0.14	20	0.81	420	< 1
BB27802	201 202	0.2	1.88	36	40	0.5	< 2	0.77	0.5	11	29	28	3.15	< 10	< 1	0.15	30	0.75	445	< 1
BB27803	201 202	0.2	2.18	24	60	0.5	< 2	0.38	0.5	12	29	22	3.39	< 10	< 1	0.15	50	0.78	440	< 1
BB27804	201 202	< 0.2	2.18	20	50	1.0	< 2	3.09	1.0	13	31	16	4.11	< 10	< 1	0.11	50	0.87	525	< 1
BB27805	201 202	0.2	1.54	6	50	0.5	< 2	1.28	0.5	9	21	22	3.32	< 10	< 1	0.07	30	0.66	275	< 1
BB27806	201 202	< 0.2	1.94	10	40	1.0	< 2	0.38	0.5	10	23	15	3.25	< 10	< 1	0.06	30	0.67	265	< 1
BB27807	201 202	< 0.2	2.28	14	70	1.5	< 2	0.40	0.5	12	29	16	3.58	< 10	< 1	0.08	50	0.83	365	< 1
BB27808	201 202	< 0.2	2.05	4	50	2.0	< 2	1.88	0.5	10	23	17	4.33	< 10	< 1	0.06	60	0.76	410	< 1
BB27809	201 202	< 0.2	2.41	< 2	50	2.0	< 2	6.06	1.0	13	35	20	4.20	< 10	< 1	0.09	50	1.43	595	< 1
BB27810	201 202	< 0.2	2.03	8	60	1.0	< 2	0.82	0.5	14	26	19	4.38	< 10	< 1	0.09	40	0.90	345	< 1
BB27811	201 202	< 0.2	2.03	6	80	1.0	< 2	0.37	0.5	14	28	69	3.24	< 10	< 1	0.10	50	0.61	335	< 1
BB27812	201 202	0.2	2.74	14	80	0.5	< 2	0.38	2.5	14	44	20	4.26	10	< 1	0.18	20	0.90	790	< 1
BB27813	201 202	0.2	2.66	24	60	1.0	< 2	0.29	1.5	13	40	18	4.05	10	< 1	0.16	10	0.91	270	< 1
BB27814	201 202	< 0.2	2.51	12	70	0.5	< 2	0.41	0.5	12	39	15	3.83	< 10	< 1	0.21	10	0.85	275	< 1
BB27815	201 202	< 0.2	2.14	6	60	1.0	< 2	0.58	0.5	12	28	40	3.82	< 10	< 1	0.07	40	0.91	285	< 1
BB27816	201 202	< 0.2	2.18	4	50	0.5	< 2	0.19	< 0.5	9	30	15	2.88	< 10	< 1	0.07	30	0.77	215	< 1
BB27817	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB27818	201 202	< 0.2	2.95	4	60	1.5	< 2	0.35	< 0.5	13	32	13	4.93	< 10	< 1	0.07	30	0.89	345	< 1
BB27819	201 202	< 0.2	2.99	2	80	1.5	< 2	0.79	1.0	13	33	11	4.57	< 10	< 1	0.07	40	1.59	555	< 1
BB27820	201 202	< 0.2	1.98	6	70	1.0	< 2	0.36	0.5	10	25	12	3.34	< 10	< 1	0.08	20	0.84	340	< 1
BB27821	201 202	0.2	2.45	6	50	1.0	< 2	0.35	1.5	13	33	14	3.77	< 10	< 1	0.14	10	0.92	450	< 1
BB27822	201 202	0.2	2.51	6	50	1.0	< 2	0.36	< 0.5	12	31	23	3.23	< 10	< 1	0.26	30	0.82	380	< 1
BB27823	201 202	< 0.2	1.66	8	40	0.5	< 2	0.66	0.5	9	22	12	2.91	< 10	< 1	0.07	40	0.73	345	< 1
BB27824	201 202	< 0.2	2.38	6	80	0.5	< 2	0.25	0.5	12	30	16	3.03	< 10	< 1	0.16	20	0.76	320	< 1
BB27825	201 202	0.2	2.72	18	90	1.0	< 2	0.81	1.0	13	41	24	3.46	< 10	< 1	0.18	40	0.95	415	< 1
BB27826	201 202	< 0.2	2.95	4	90	1.5	< 2	1.78	12.0	15	28	18	5.15	< 10	< 1	0.09	60	1.21	1120	< 1
BB27827	201 202	< 0.2	2.86	6	70	1.0	< 2	0.25	2.0	16	31	13	4.85	< 10	< 1	0.09	20	0.94	625	< 1
BB27828	201 202	0.2	2.93	10	50	1.5	< 2	0.56	1.5	14	32	11	4.34	< 10	< 1	0.10	30	0.87	295	< 1
BB27829	201 202	< 0.2	2.39	16	140	1.5	< 2	0.42	1.5	16	32	15	4.51	< 10	< 1	0.12	60	1.32	715	< 1
BB27830	201 202	0.2	2.76	48	40	1.5	< 2	0.18	0.5	17	31	11	4.39	< 10	< 1	0.09	20	1.15	405	< 1

CERTIFICATION: Hart Buchler



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Analytical Chemists \* Geochemists \* Registered Assayers  
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 British Columbia, Canada V7J 2C1  
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To: NORDAC RESOURCES LTD.  
 C/O ARCHER, CATHRO  
 BOX 4127, 2054 SECOND AVE.  
 WHITEHORSE, YT  
 Y1A 3S9

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 Invoice No. : 19745966  
 P.O. Number :  
 Account : MTT

Project : QB  
 Comments:

## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27791	201 202	0.10	50	530	38	< 2	4	163	0.14	< 10	< 10	46	< 10	150
BB27792	201 202	< 0.01	11	130	80	< 2	1	20	0.06	< 10	< 10	34	< 10	332
BB27793	201 202	< 0.01	15	140	98	< 2	2	23	0.06	< 10	< 10	33	< 10	330
BB27794	201 202	< 0.01	16	260	120	< 2	2	27	0.07	< 10	< 10	41	< 10	466
BB27795	201 202	0.02	28	490	96	< 2	3	90	0.07	< 10	< 10	28	< 10	236
BB27796	201 202	< 0.01	14	250	24	< 2	1	24	0.10	< 10	< 10	47	< 10	136
BB27797	201 202	0.04	47	1030	90	< 2	3	134	0.04	< 10	< 10	21	< 10	778
BB27798	201 202	0.05	28	440	122	< 2	4	154	0.11	< 10	< 10	46	< 10	588
BB27799	201 202	< 0.01	20	220	50	< 2	2	33	0.08	< 10	< 10	43	< 10	304
BB27800	201 202	0.01	12	530	38	< 2	1	40	0.03	< 10	< 10	13	< 10	86
BB27801	201 202	0.05	21	720	82	< 2	4	172	0.08	< 10	< 10	33	< 10	248
BB27802	201 202	0.01	26	770	84	< 2	3	66	0.06	< 10	< 10	28	< 10	224
BB27803	201 202	0.01	29	130	48	< 2	5	59	0.06	< 10	< 10	27	< 10	106
BB27804	201 202	0.02	25	240	96	< 2	5	181	0.04	< 10	< 10	26	< 10	344
BB27805	201 202	< 0.01	33	350	156	< 2	3	70	0.04	< 10	< 10	22	< 10	230
BB27806	201 202	0.01	20	150	48	< 2	3	48	0.04	< 10	< 10	26	< 10	292
BB27807	201 202	0.01	26	90	60	< 2	5	60	0.03	< 10	< 10	25	< 10	138
BB27808	201 202	< 0.01	20	160	28	< 2	5	96	< 0.01	< 10	< 10	21	< 10	64
BB27809	201 202	0.03	31	430	22	< 2	5	299	0.06	< 10	< 10	31	< 10	78
BB27810	201 202	< 0.01	29	200	24	< 2	4	65	0.02	< 10	< 10	24	< 10	140
BB27811	201 202	< 0.01	119	120	34	< 2	3	45	0.08	< 10	< 10	30	< 10	298
BB27812	201 202	0.01	24	460	60	< 2	4	90	0.10	< 10	< 10	47	< 10	542
BB27813	201 202	0.01	24	290	70	< 2	3	55	0.09	< 10	< 10	42	< 10	292
BB27814	201 202	< 0.01	23	250	32	< 2	3	58	0.09	< 10	< 10	42	< 10	168
BB27815	201 202	< 0.01	37	210	32	< 2	4	50	0.05	< 10	< 10	30	< 10	126
BB27816	201 202	< 0.01	22	110	10	< 2	2	18	0.06	< 10	< 10	38	< 10	74
BB27817	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB27818	201 202	< 0.01	25	240	48	< 2	2	44	0.03	< 10	< 10	34	< 10	98
BB27819	201 202	< 0.01	22	140	54	< 2	6	54	0.03	< 10	< 10	35	< 10	262
BB27820	201 202	0.01	20	170	56	< 2	3	53	0.01	< 10	< 10	21	< 10	150
BB27821	201 202	0.02	22	170	52	< 2	2	66	0.04	< 10	< 10	28	< 10	162
BB27822	201 202	0.02	29	120	58	< 2	3	88	0.05	< 10	< 10	26	< 10	114
BB27823	201 202	< 0.01	20	130	40	< 2	4	46	0.04	< 10	< 10	23	< 10	140
BB27824	201 202	0.01	25	180	38	< 2	3	43	0.05	< 10	< 10	28	< 10	100
BB27825	201 202	0.04	31	270	60	< 2	5	107	0.09	< 10	< 10	36	< 10	230
BB27826	201 202	< 0.01	25	370	94	< 2	5	117	0.03	< 10	< 10	27	< 10	2960
BB27827	201 202	< 0.01	26	260	80	< 2	2	34	0.06	< 10	< 10	34	< 10	464
BB27828	201 202	0.01	26	180	76	< 2	3	63	0.05	< 10	< 10	30	< 10	334
BB27829	201 202	0.03	28	150	88	< 2	7	65	0.05	< 10	< 10	25	< 10	234
BB27830	201 202	< 0.01	31	120	202	< 2	3	29	0.01	< 10	< 10	25	< 10	706

CERTIFICATION: Hart Bickler



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## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB27831	201	< 0.2	2.63	14	60	1.5	< 2	0.31	< 0.5	12	29	11	3.46	< 10	< 1	0.20	40	1.41	330	< 1
BB27832	201	< 0.2	3.31	32	110	1.5	< 2	0.26	< 0.5	14	32	12	3.83	< 10	< 1	0.11	20	1.21	275	< 1
BB27833	201	< 0.2	2.83	28	100	1.5	< 2	0.41	< 0.5	12	31	11	3.90	< 10	< 1	0.12	30	1.43	415	< 1
BB27834	201	< 0.2	2.38	10	70	1.5	< 2	0.47	< 0.5	12	28	13	3.95	< 10	< 1	0.08	40	0.90	440	1
BB27835	201	< 0.2	2.74	14	100	2.0	< 2	0.38	2.0	15	33	16	4.55	< 10	< 1	0.10	30	1.63	635	1
BB27836	201	< 0.2	2.59	16	80	1.0	< 2	1.47	0.5	12	32	15	3.94	< 10	< 1	0.16	40	1.17	490	< 1
BB27837	201	0.2	1.40	14	60	0.5	< 2	3.71	4.0	6	17	37	1.99	< 10	< 1	0.09	20	0.56	390	< 1
BB27838	201	< 0.2	1.81	10	70	0.5	< 2	1.69	< 0.5	8	20	21	2.14	< 10	< 1	0.25	30	0.54	315	< 1
BB27839	201	< 0.2	2.37	20	60	1.0	< 2	0.64	1.5	13	29	13	4.00	< 10	< 1	0.12	40	0.92	945	< 1
BB27840	201	< 0.2	2.25	14	60	1.0	< 2	1.00	1.5	12	26	15	3.16	< 10	< 1	0.17	40	0.90	425	< 1
BB27841	201	< 0.2	2.22	20	50	1.0	< 2	0.32	< 0.5	12	26	13	3.70	< 10	< 1	0.10	40	0.89	495	< 1
BB27842	201	< 0.2	2.20	18	70	1.0	< 2	0.51	< 0.5	15	25	14	4.18	< 10	< 1	0.13	30	1.16	1205	1
BB27843	201	0.2	2.43	18	80	1.5	< 2	0.37	0.5	12	27	11	3.97	< 10	< 1	0.11	30	1.09	480	< 1
BB27844	201	< 0.2	1.70	16	60	0.5	< 2	4.39	0.5	10	20	25	2.24	< 10	< 1	0.18	20	0.67	360	< 1
BB27845	201	< 0.2	1.26	24	40	0.5	< 2	0.58	< 0.5	7	14	11	1.90	< 10	< 1	0.08	30	0.70	330	< 1
BB27846	201	< 0.2	1.63	10	50	0.5	< 2	0.59	0.5	8	20	12	2.63	< 10	< 1	0.08	30	0.63	445	< 1
BB27847	201	0.2	2.19	14	40	1.0	< 2	0.74	0.5	10	26	11	3.30	< 10	< 1	0.07	40	0.94	275	< 1
BB27848	201	0.2	1.87	12	50	0.5	< 2	0.42	< 0.5	8	21	14	2.83	< 10	< 1	0.12	30	0.92	295	< 1
BB27849	201	< 0.2	2.37	2	60	0.5	< 2	0.42	< 0.5	10	28	16	2.68	< 10	< 1	0.15	20	0.76	355	< 1
BB27850	201	0.2	1.98	22	70	0.5	< 2	0.76	1.0	7	24	39	2.49	< 10	< 1	0.17	20	0.62	275	< 1
BB27851	201	< 0.2	2.25	10	60	1.5	< 2	1.93	0.5	10	24	23	3.53	< 10	< 1	0.10	60	0.90	565	1
BB27852	201	< 0.2	2.99	20	80	1.5	< 2	0.56	1.0	12	36	15	3.59	10	< 1	0.16	20	0.86	495	< 1
BB27853	201	0.6	2.00	12	50	0.5	< 2	0.84	1.0	8	27	24	2.61	< 10	< 1	0.09	20	0.55	325	< 1
BB27854	201	< 0.2	1.98	28	60	0.5	< 2	0.65	1.5	10	27	25	2.77	< 10	< 1	0.21	20	0.67	485	1
BB27855	201	0.2	1.96	40	70	0.5	< 2	1.38	1.5	8	28	36	2.49	< 10	< 1	0.29	20	0.65	295	< 1
BB27856	201	< 0.2	1.60	34	60	< 0.5	< 2	1.09	0.5	6	22	22	2.08	< 10	< 1	0.24	20	0.50	290	< 1
BB27857	201	< 0.2	1.86	6	70	0.5	< 2	1.48	1.0	8	25	18	2.52	< 10	< 1	0.22	10	0.58	415	< 1
BB27858	201	0.8	1.80	2	60	0.5	< 2	2.39	0.5	7	25	39	2.17	< 10	< 1	0.23	10	0.55	235	< 1
BB27859	201	< 0.2	2.09	56	60	0.5	< 2	0.41	< 0.5	8	25	11	2.70	< 10	< 1	0.14	20	0.60	310	< 1
BB27860	201	< 0.2	2.26	46	60	1.0	< 2	0.32	1.5	10	27	20	3.48	< 10	< 1	0.11	40	0.80	690	< 1
BB27861	201	< 0.2	2.98	18	50	1.5	< 2	0.33	< 0.5	10	28	11	3.72	< 10	< 1	0.10	20	1.68	555	< 1
BB27862	201	< 0.2	2.72	16	60	1.5	< 2	0.33	0.5	12	29	15	3.99	< 10	< 1	0.12	50	0.95	430	< 1
BB27863	201	< 0.2	2.28	18	80	1.0	< 2	0.23	1.0	11	26	14	2.97	< 10	< 1	0.11	20	0.63	295	< 1
BB27864	201	< 0.2	1.83	12	70	1.0	< 2	0.43	0.5	9	20	13	2.69	< 10	< 1	0.10	30	0.72	340	< 1
BB27865	201	< 0.2	1.62	2	50	1.0	< 2	1.21	< 0.5	9	18	25	3.01	< 10	< 1	0.06	40	0.52	440	1
BB27866	201	< 0.2	2.61	10	60	2.0	< 2	0.31	1.5	11	29	16	4.03	< 10	< 1	0.06	50	0.92	365	< 1
BB27867	201	< 0.2	2.94	12	80	2.0	< 2	0.38	2.5	13	29	17	3.70	< 10	< 1	0.08	30	0.64	830	< 1
BB27868	201	< 0.2	2.20	18	70	1.5	< 2	0.55	0.5	9	25	22	2.92	< 10	< 1	0.15	30	0.65	325	< 1
BB27869	201	< 0.2	2.46	20	60	1.0	< 2	0.25	< 0.5	8	26	10	2.75	< 10	< 1	0.09	20	0.64	235	< 1
BB27870	201	0.6	3.07	32	70	1.5	< 2	0.27	0.5	11	31	15	3.21	< 10	< 1	0.14	30	0.87	440	1

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BB27831	201 202	0.01	24	80	56	< 2	5	48	0.04	< 10	< 10	25	< 10	210
BB27832	201 202	< 0.01	26	130	88	2	3	31	0.02	< 10	< 10	29	< 10	320
BB27833	201 202	< 0.01	24	140	70	< 2	5	36	0.03	< 10	< 10	30	< 10	132
BB27834	201 202	0.01	22	180	58	2	6	50	0.03	< 10	< 10	28	< 10	126
BB27835	201 202	< 0.01	31	140	70	2	5	37	0.05	< 10	< 10	32	< 10	438
BB27836	201 202	0.03	24	210	58	2	5	126	0.07	< 10	< 10	32	< 10	374
BB27837	201 202	0.03	15	980	32	< 2	1	192	0.02	< 10	< 10	14	< 10	974
BB27838	201 202	0.02	18	360	28	< 2	3	130	0.05	< 10	< 10	21	< 10	74
BB27839	201 202	0.01	20	330	54	< 2	4	61	0.06	< 10	< 10	35	< 10	252
BB27840	201 202	0.04	24	240	74	2	4	106	0.05	< 10	< 10	25	< 10	332
BB27841	201 202	0.01	24	230	64	< 2	4	40	0.04	< 10	< 10	30	< 10	208
BB27842	201 202	< 0.01	22	350	84	< 2	4	37	0.04	< 10	< 10	33	< 10	138
BB27843	201 202	0.01	22	190	56	2	5	35	0.03	< 10	< 10	27	< 10	178
BB27844	201 202	0.03	18	480	62	< 2	3	236	0.04	< 10	< 10	18	< 10	198
BB27845	201 202	0.02	15	280	40	< 2	3	50	0.02	< 10	< 10	14	< 10	112
BB27846	201 202	0.02	18	390	44	< 2	3	68	0.04	< 10	< 10	21	< 10	152
BB27847	201 202	0.04	22	190	50	< 2	5	87	0.04	< 10	< 10	24	< 10	140
BB27848	201 202	0.01	18	250	44	< 2	4	47	0.03	< 10	< 10	20	< 10	140
BB27849	201 202	0.03	21	100	46	< 2	3	82	0.04	< 10	< 10	24	< 10	84
BB27850	201 202	0.02	22	430	44	< 2	3	75	0.03	< 10	< 10	21	< 10	194
BB27851	201 202	< 0.01	24	420	42	< 2	5	117	0.03	< 10	< 10	27	< 10	142
BB27852	201 202	0.02	25	280	56	< 2	4	72	0.08	< 10	< 10	36	< 10	178
BB27853	201 202	0.01	20	400	38	< 2	4	73	0.06	< 10	< 10	28	< 10	176
BB27854	201 202	0.04	22	350	74	< 2	3	79	0.07	< 10	< 10	29	< 10	252
BB27855	201 202	< 0.01	20	650	60	2	3	93	0.06	< 10	< 10	24	< 10	460
BB27856	201 202	< 0.01	16	510	24	< 2	3	74	0.06	< 10	< 10	21	< 10	216
BB27857	201 202	0.01	18	490	26	< 2	3	135	0.06	< 10	< 10	24	< 10	190
BB27858	201 202	0.02	17	860	34	< 2	2	167	0.06	< 10	< 10	22	< 10	110
BB27859	201 202	< 0.01	17	250	20	< 2	3	41	0.07	< 10	< 10	30	< 10	74
BB27860	201 202	< 0.01	19	160	218	< 2	4	34	0.06	< 10	< 10	34	< 10	368
BB27861	201 202	< 0.01	18	190	56	2	4	37	0.04	< 10	< 10	35	< 10	106
BB27862	201 202	< 0.01	24	120	72	< 2	5	48	0.04	< 10	< 10	33	< 10	150
BB27863	201 202	0.01	25	100	64	< 2	3	37	0.04	< 10	< 10	28	< 10	406
BB27864	201 202	0.01	21	140	48	< 2	4	49	0.02	< 10	< 10	19	< 10	164
BB27865	201 202	< 0.01	27	520	28	< 2	3	85	0.03	< 10	< 10	21	< 10	96
BB27866	201 202	< 0.01	23	190	146	< 2	5	33	0.05	< 10	< 10	37	< 10	612
BB27867	201 202	0.01	19	160	634	< 2	3	39	0.04	< 10	< 10	36	< 10	1100
BB27868	201 202	0.01	23	250	68	< 2	4	54	0.04	< 10	< 10	25	< 10	210
BB27869	201 202	0.01	16	160	48	< 2	3	32	0.05	< 10	< 10	28	< 10	176
BB27870	201 202	0.01	23	200	116	2	4	39	0.07	< 10	< 10	32	< 10	224

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Client: NORDAC RESOURCES LTD.  
 C/O ARCHER, CATHRO  
 BOX 4127, 2054 SECOND AVE.  
 WHITEHORSE, YT  
 Y1A 3S9

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 Certificate Date: 11-OCT-97  
 Invoice No. : 19745966  
 P.O. Number :  
 Account : MTT

Project : QB  
 Comments :

## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB27871	201 202	< 0.2	2.56	16	70	1.0	< 2	0.17	< 0.5	10	27	9	3.29	< 10	< 1	0.15	30	0.94	300	< 1
BB27872	201 202	< 0.2	2.72	34	80	1.5	< 2	0.18	< 0.5	10	27	10	3.25	< 10	< 1	0.15	30	1.07	380	< 1
BB27873	201 202	0.2	3.14	22	70	1.5	< 2	0.28	< 0.5	12	33	14	3.11	< 10	< 1	0.12	20	0.81	410	< 1
BB27874	201 202	< 0.2	2.50	20	70	1.0	< 2	0.25	< 0.5	11	27	10	3.72	< 10	< 1	0.11	20	0.84	330	< 1
BB27875	201 202	< 0.2	2.12	20	40	2.0	< 2	0.45	< 0.5	10	22	14	4.11	< 10	< 1	0.10	60	0.86	560	< 1
BB27876	201 202	< 0.2	1.97	16	70	1.5	< 2	0.36	1.0	9	22	10	3.28	< 10	< 1	0.09	40	0.63	345	< 1
BB27877	201 202	< 0.2	2.63	14	70	1.5	< 2	0.30	1.5	11	27	13	3.84	< 10	< 1	0.09	30	0.64	535	< 1
BB27878	201 202	< 0.2	1.87	18	50	1.0	< 2	3.73	0.5	18	17	26	4.16	< 10	< 1	0.10	30	0.95	620	< 1
BB27879	201 202	< 0.2	2.80	12	80	1.5	< 2	0.62	0.5	12	35	13	3.78	< 10	< 1	0.14	50	1.00	315	< 1
BB27880	201 202	< 0.2	2.60	12	50	1.5	< 2	0.30	< 0.5	10	26	12	3.47	< 10	< 1	0.14	40	0.75	230	< 1
BB27881	201 202	< 0.2	2.40	16	70	1.5	< 2	0.27	0.5	11	27	13	3.26	< 10	1	0.15	40	0.72	505	< 1
BB27882	201 202	< 0.2	2.52	18	80	1.5	< 2	0.37	< 0.5	9	25	13	3.46	< 10	< 1	0.17	30	0.84	410	< 1
BB27883	201 202	< 0.2	2.33	14	70	1.5	< 2	0.24	< 0.5	10	25	10	3.04	< 10	< 1	0.12	30	0.69	250	< 1
BB27884	201 202	< 0.2	1.85	22	60	0.5	< 2	0.25	< 0.5	7	20	10	2.36	< 10	< 1	0.12	30	0.69	295	< 1
BB27885	201 202	< 0.2	2.40	20	70	1.0	< 2	0.20	< 0.5	9	24	10	2.68	< 10	< 1	0.18	30	0.79	345	< 1
BB27886	201 202	< 0.2	2.00	20	60	0.5	< 2	0.13	< 0.5	7	23	7	2.61	< 10	< 1	0.18	30	0.64	250	< 1
BB27887	201 202	< 0.2	2.60	18	80	1.0	< 2	0.23	< 0.5	9	26	12	2.98	< 10	< 1	0.18	20	0.78	280	< 1
BB27888	201 202	< 0.2	1.98	20	50	1.0	< 2	0.19	< 0.5	8	19	10	2.62	< 10	< 1	0.10	20	0.68	260	< 1
BB27889	201 202	2.2	2.00	14	60	1.5	4	0.24	0.5	12	21	223	4.03	< 10	< 1	0.08	20	0.70	335	< 1
BB27890	201 202	< 0.2	2.66	16	50	1.5	< 2	0.20	< 0.5	13	24	13	3.98	< 10	< 1	0.07	10	0.76	215	< 1
BB27891	201 202	< 0.2	2.65	12	90	2.0	< 2	0.70	1.5	12	28	12	4.42	< 10	1	0.07	40	1.64	785	< 1
BB27892	201 202	< 0.2	2.28	12	70	1.5	< 2	0.35	< 0.5	9	24	12	3.86	< 10	< 1	0.09	40	1.10	240	< 1
BB27893	201 202	0.2	2.20	18	60	1.0	< 2	3.26	< 0.5	7	23	12	2.81	< 10	< 1	0.11	30	2.56	430	< 1
BB27894	201 202	0.2	2.19	24	60	0.5	< 2	0.25	0.5	8	24	10	3.09	< 10	< 1	0.11	30	0.78	310	< 1
BB27895	201 202	< 0.2	2.34	22	50	1.5	12	0.24	1.0	12	23	10	3.75	< 10	< 1	0.09	30	0.76	495	< 1
BB27896	201 202	0.2	2.07	14	70	1.5	< 2	1.20	< 0.5	9	22	17	2.83	< 10	< 1	0.09	40	0.73	280	< 1
BB27897	201 202	< 0.2	2.48	28	80	1.5	< 2	0.45	< 0.5	8	23	8	3.41	< 10	< 1	0.08	30	0.85	240	< 1
BB27898	201 202	< 0.2	2.70	16	70	1.5	< 2	0.22	< 0.5	12	25	11	4.13	< 10	< 1	0.09	20	0.90	220	< 1
BB27899	201 202	< 0.2	1.47	8	60	0.5	< 2	0.09	< 0.5	5	17	5	1.98	< 10	< 1	0.11	30	0.50	265	< 1
BB27900	201 202	< 0.2	2.60	212	70	2.0	< 2	0.33	< 0.5	15	22	12	4.57	< 10	< 1	0.07	30	0.88	925	< 1
BB27901	201 202	< 0.2	2.17	56	90	2.5	< 2	0.43	0.5	12	20	11	3.20	< 10	< 1	0.14	60	0.69	590	< 1
BB27902	201 202	< 0.2	2.00	24	50	1.0	< 2	0.28	0.5	10	22	9	3.38	< 10	< 1	0.07	20	0.52	270	< 1
BB27903	201 202	< 0.2	2.20	12	60	0.5	< 2	0.21	0.5	9	23	9	2.79	< 10	< 1	0.10	20	0.64	345	< 1
BB27904	201 202	0.4	1.78	26	60	0.5	< 2	0.88	1.5	8	22	22	2.71	< 10	< 1	0.14	40	0.67	345	< 1
BB27905	201 202	0.4	2.24	28	60	0.5	< 2	0.71	1.5	12	29	20	3.64	< 10	< 1	0.12	40	0.83	390	< 1
BB27906	201 202	0.6	1.42	18	50	0.5	< 2	1.27	2.0	6	16	24	1.96	< 10	< 1	0.12	30	0.46	230	< 1
BB27907	201 202	< 0.2	2.32	14	60	1.0	< 2	0.23	< 0.5	8	24	9	2.68	< 10	< 1	0.16	30	0.68	230	< 1
BB27908	201 202	< 0.2	2.00	10	60	0.5	< 2	0.18	< 0.5	8	22	8	2.46	< 10	< 1	0.15	30	0.67	265	< 1
BB27909	201 202	< 0.2	2.50	20	80	1.0	< 2	0.26	0.5	9	27	14	3.16	< 10	< 1	0.17	40	0.75	460	< 1
BB27910	201 202	< 0.2	2.27	14	80	1.0	< 2	0.26	< 0.5	8	23	10	2.76	< 10	< 1	0.17	30	0.68	300	< 1

CERTIFICATION: *Hart Bickler*



# 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: NORDAC RESOURCES LTD.  
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CERTIFICATE OF ANALYSIS	A9745966
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SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB27871	201	202	< 0.01	22	180	52	< 2	3	22	0.05	< 10	< 10	28	< 10	132
BB27872	201	202	< 0.01	23	270	52	< 2	3	20	0.04	< 10	< 10	26	< 10	100
BB27873	201	202	0.01	23	340	54	2	3	42	0.05	< 10	< 10	33	< 10	256
BB27874	201	202	< 0.01	18	150	48	2	3	34	0.04	< 10	< 10	33	< 10	186
BB27875	201	202	< 0.01	20	260	50	< 2	5	52	0.01	< 10	< 10	24	< 10	110
BB27876	201	202	< 0.01	18	180	92	< 2	4	38	0.03	< 10	< 10	26	< 10	380
BB27877	201	202	< 0.01	24	150	58	< 2	4	45	0.09	< 10	< 10	37	< 10	358
BB27878	201	202	< 0.01	28	760	26	< 2	3	156	0.01	< 10	< 10	20	< 10	486
BB27879	201	202	0.03	27	180	50	< 2	6	79	0.04	< 10	< 10	30	< 10	170
BB27880	201	202	0.01	21	160	72	2	3	43	0.04	< 10	< 10	27	< 10	232
BB27881	201	202	0.01	23	140	54	2	3	37	0.05	< 10	< 10	29	< 10	282
BB27882	201	202	0.01	21	200	60	2	4	48	0.03	< 10	< 10	25	< 10	130
BB27883	201	202	< 0.01	20	120	36	< 2	3	31	0.04	< 10	< 10	29	< 10	138
BB27884	201	202	0.01	16	230	54	< 2	3	31	0.04	< 10	< 10	21	< 10	142
BB27885	201	202	< 0.01	21	210	62	< 2	3	33	0.05	< 10	< 10	23	< 10	104
BB27886	201	202	< 0.01	16	210	28	< 2	3	18	0.06	< 10	< 10	26	< 10	88
BB27887	201	202	< 0.01	21	170	52	2	3	25	0.05	< 10	< 10	28	< 10	168
BB27888	201	202	< 0.01	19	150	46	< 2	2	27	0.01	< 10	< 10	18	< 10	114
BB27889	201	202	< 0.01	20	170	820	2	3	26	0.01	< 10	< 10	24	< 10	544
BB27890	201	202	< 0.01	23	250	72	2	2	22	0.01	< 10	< 10	25	< 10	166
BB27891	201	202	< 0.01	23	250	50	2	7	58	0.03	< 10	< 10	34	< 10	294
BB27892	201	202	0.01	21	190	52	< 2	5	51	0.01	< 10	< 10	22	< 10	140
BB27893	201	202	0.01	17	420	50	< 2	4	116	0.02	< 10	< 10	20	< 10	140
BB27894	201	202	0.01	21	180	54	< 2	3	35	0.04	< 10	< 10	24	< 10	148
BB27895	201	202	< 0.01	21	210	58	< 2	3	33	0.01	< 10	< 10	25	< 10	330
BB27896	201	202	0.01	22	330	50	< 2	4	83	0.01	< 10	< 10	20	< 10	116
BB27897	201	202	< 0.01	15	170	56	2	4	30	0.02	< 10	< 10	26	< 10	152
BB27898	201	202	< 0.01	23	220	48	2	3	26	0.02	< 10	< 10	24	< 10	122
BB27899	201	202	< 0.01	12	130	20	< 2	2	11	0.04	< 10	< 10	20	< 10	88
BB27900	201	202	< 0.01	25	310	56	2	4	44	0.01	< 10	< 10	24	< 10	182
BB27901	201	202	< 0.01	23	270	50	< 2	6	29	< 0.01	< 10	< 10	17	< 10	250
BB27902	201	202	< 0.01	15	250	34	< 2	2	26	0.03	< 10	< 10	31	< 10	246
BB27903	201	202	< 0.01	16	180	46	< 2	3	26	0.03	< 10	< 10	25	< 10	196
BB27904	201	202	0.01	19	450	66	< 2	4	74	0.04	< 10	< 10	22	< 10	170
BB27905	201	202	0.03	25	480	48	2	5	70	0.06	< 10	< 10	35	< 10	130
BB27906	201	202	0.01	14	960	34	< 2	2	88	0.03	< 10	< 10	17	< 10	230
BB27907	201	202	0.01	17	160	54	< 2	3	34	0.05	< 10	< 10	24	< 10	210
BB27908	201	202	< 0.01	15	130	36	< 2	3	22	0.06	< 10	< 10	23	< 10	120
BB27909	201	202	0.01	19	280	62	2	4	37	0.04	< 10	< 10	26	< 10	238
BB27910	201	202	0.01	17	120	56	< 2	3	37	0.04	< 10	< 10	22	< 10	128

CERTIFICATION: Hart Bichler



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: NORDAC RESOURCES LTD.  
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## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	No ppm
BB27911	201	< 0.2	2.81	28	60	1.5	< 2	0.27	< 0.5	12	25	10	3.58	< 10	< 1	0.10	30	0.71	290	< 1
BB27912	201	0.8	2.42	40	60	2.0	< 2	0.92	< 0.5	10	24	16	3.38	< 10	< 1	0.16	80	1.67	445	< 1
BB27913	201	0.2	2.51	154	60	2.0	< 2	0.70	< 0.5	9	17	5	3.10	< 10	< 1	0.12	30	2.47	845	< 1
BB27914	201	< 0.2	2.59	6	90	0.5	< 2	0.58	< 0.5	12	62	9	3.99	10	< 1	0.27	30	1.07	515	< 1
BB27915	201	< 0.2	2.07	38	70	0.5	< 2	1.21	1.0	10	26	18	3.32	< 10	< 1	0.10	30	0.69	1085	< 1
BB27916	201	< 0.2	1.97	26	70	1.0	< 2	0.23	0.5	8	22	9	3.11	< 10	< 1	0.13	30	0.72	375	< 1
BB27917	201	< 0.2	1.99	16	70	1.0	< 2	0.21	< 0.5	8	20	12	2.43	< 10	< 1	0.11	30	0.60	205	< 1
BB27918	201	< 0.2	2.26	14	70	0.5	< 2	0.18	< 0.5	10	24	11	2.95	< 10	< 1	0.11	20	0.71	235	< 1
BB27919	201	< 0.2	2.77	28	110	2.5	< 2	0.50	< 0.5	13	27	9	5.30	< 10	< 1	0.08	40	0.82	720	< 1
BB27920	201	< 0.2	2.84	36	70	2.5	< 2	2.38	< 0.5	20	37	21	5.11	< 10	< 1	0.14	40	1.81	415	< 1
BB27921	201	< 0.2	3.06	68	100	1.5	< 2	0.25	0.5	13	28	10	4.08	< 10	< 1	0.10	30	0.99	260	< 1
BB27922	201	< 0.2	2.90	128	60	2.5	< 2	1.06	0.5	21	32	10	5.64	< 10	< 1	0.11	50	1.19	500	< 1
BB27923	201	< 0.2	2.92	28	90	1.5	< 2	0.29	< 0.5	11	30	11	3.76	< 10	< 1	0.13	30	0.79	295	< 1
BB27924	201	< 0.2	2.71	20	70	1.5	< 2	0.42	< 0.5	12	24	11	3.81	< 10	< 1	0.14	30	0.74	265	< 1
BB27925	201	< 0.2	1.97	22	90	0.5	< 2	0.44	< 0.5	7	22	10	2.51	< 10	< 1	0.15	30	0.64	345	< 1
BB27926	201	< 0.2	2.57	22	60	0.5	< 2	0.29	< 0.5	8	22	7	2.93	< 10	< 1	0.08	30	0.58	275	< 1
BB27927	201	< 0.2	2.47	34	70	1.0	< 2	0.61	1.0	14	33	11	4.27	< 10	< 1	0.12	30	1.00	700	< 1
BB27928	201	< 0.2	3.48	4	90	2.0	< 2	1.01	0.5	35	45	28	7.13	< 10	< 1	0.10	40	1.01	1305	< 1
BB27929	201	0.2	1.39	32	40	0.5	< 2	0.94	< 0.5	7	17	10	2.09	< 10	< 1	0.09	30	0.64	320	< 1
BB27930	201	< 0.2	1.98	10	40	1.0	< 2	0.20	< 0.5	10	19	10	3.23	< 10	< 1	0.08	20	0.58	150	< 1
BB27931	201	< 0.2	2.40	22	50	1.5	< 2	0.28	< 0.5	12	26	10	4.08	< 10	< 1	0.08	40	0.72	370	< 1
BB27932	201	< 0.2	2.39	28	60	1.0	< 2	0.77	< 0.5	11	29	11	3.44	< 10	< 1	0.15	40	0.81	415	< 1
BB27933	201	< 0.2	2.46	56	50	1.5	< 2	0.52	0.5	11	28	10	3.89	< 10	< 1	0.08	40	0.80	370	< 1
BB27934	201	1.6	2.66	78	60	1.5	< 2	0.25	1.0	13	27	11	4.16	< 10	< 1	0.10	30	0.68	285	< 1
BB27935	201	< 0.2	2.53	42	70	1.5	< 2	0.30	< 0.5	11	25	11	3.27	< 10	< 1	0.17	40	0.84	285	< 1
BB27936	201	0.2	2.19	38	70	1.0	< 2	0.48	< 0.5	10	24	13	3.57	< 10	< 1	0.14	40	0.78	450	< 1
BB27937	201	< 0.2	3.13	28	60	2.0	< 2	0.22	< 0.5	16	31	17	4.12	< 10	< 1	0.09	30	0.78	400	< 1
BB27938	201	0.2	2.61	10	50	1.0	< 2	0.27	< 0.5	11	37	14	3.07	< 10	< 1	0.09	40	0.71	245	< 1
BB27939	201	< 0.2	2.34	14	70	1.0	< 2	0.44	< 0.5	10	22	9	3.18	< 10	< 1	0.08	40	0.87	755	< 1
BB27940	201	< 0.2	1.95	18	80	0.5	< 2	0.63	< 0.5	9	28	14	2.87	< 10	< 1	0.12	30	0.70	430	< 1
BB27941	201	< 0.2	1.88	18	90	0.5	< 2	0.70	< 0.5	10	24	17	2.68	< 10	< 1	0.29	30	0.76	475	< 1
BB27942	201	< 0.2	2.99	18	90	1.5	< 2	0.29	< 0.5	11	29	11	3.58	< 10	< 1	0.16	30	0.91	325	< 1
BB27943	201	< 0.2	3.21	26	50	2.0	< 2	0.61	1.5	16	32	16	5.06	< 10	< 1	0.11	70	1.32	925	< 1
BB27944	201	< 0.2	1.96	10	70	0.5	< 2	0.17	< 0.5	7	23	9	2.41	< 10	< 1	0.14	30	0.53	190	< 1
BB27945	201	< 0.2	3.00	24	80	1.5	< 2	0.58	1.0	15	35	13	4.40	< 10	1	0.12	30	1.35	530	< 1
BB27946	201	< 0.2	0.52	8	20	< 0.5	< 2	>15.00	0.5	< 1	6	15	0.48	< 10	< 1	0.01	< 10	0.17	80	< 1
BB27947	201	0.4	2.43	338	70	1.5	< 2	0.41	< 0.5	11	25	11	4.31	< 10	< 1	0.09	50	1.37	515	< 1
BB27948	201	< 0.2	2.25	24	60	1.0	< 2	0.28	< 0.5	9	25	11	2.92	< 10	< 1	0.16	20	0.77	260	< 1
BB27949	201	< 0.2	2.92	22	80	2.0	< 2	0.32	< 0.5	16	48	10	4.59	< 10	< 1	0.12	40	1.09	375	< 1
BB27950	201	< 0.2	3.14	30	90	1.5	< 2	0.30	< 0.5	15	32	10	4.58	< 10	< 1	0.09	30	0.95	305	< 1

CERTIFICATION: *Hart Bickler*



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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27911	201 202	< 0.01	18	210	60	< 2	3	34	0.01	< 10	< 10	21	< 10	200
BB27912	201 202	0.01	22	410	54	2	7	53	0.01	< 10	< 10	21	< 10	258
BB27913	201 202	< 0.01	15	450	42	< 2	6	74	< 0.01	< 10	< 10	19	< 10	88
BB27914	201 202	< 0.01	21	430	14	< 2	8	59	0.20	< 10	< 10	56	< 10	152
BB27915	201 202	0.01	14	600	44	< 2	4	138	0.04	< 10	< 10	40	< 10	212
BB27916	201 202	< 0.01	17	380	46	< 2	3	23	0.02	< 10	< 10	22	< 10	198
BB27917	201 202	0.01	17	150	60	< 2	3	30	0.02	< 10	< 10	18	< 10	98
BB27918	201 202	< 0.01	19	90	54	< 2	2	19	0.02	< 10	< 10	22	< 10	150
BB27919	201 202	< 0.01	19	220	50	< 2	5	46	< 0.01	< 10	< 10	29	< 10	114
BB27920	201 202	< 0.01	29	160	38	< 2	7	108	< 0.01	< 10	< 10	25	< 10	118
BB27921	201 202	< 0.01	21	160	70	2	3	38	0.02	< 10	< 10	30	< 10	498
BB27922	201 202	< 0.01	23	290	38	6	10	60	< 0.01	< 10	< 10	29	< 10	108
BB27923	201 202	< 0.01	22	130	56	2	3	32	0.05	< 10	< 10	33	< 10	198
BB27924	201 202	0.01	22	170	52	< 2	5	42	0.01	< 10	< 10	21	< 10	120
BB27925	201 202	0.01	16	310	42	< 2	4	51	0.04	< 10	< 10	20	< 10	98
BB27926	201 202	< 0.01	14	230	46	< 2	3	59	0.03	< 10	< 10	22	< 10	102
BB27927	201 202	< 0.01	19	600	128	2	4	73	0.07	< 10	< 10	45	< 10	904
BB27928	201 202	0.04	54	980	44	< 2	7	438	0.01	< 10	< 10	35	< 10	284
BB27929	201 202	0.01	15	740	40	< 2	3	110	0.03	< 10	< 10	16	< 10	94
BB27930	201 202	< 0.01	17	120	30	< 2	2	29	0.01	< 10	< 10	19	< 10	78
BB27931	201 202	< 0.01	21	200	34	2	4	28	0.04	< 10	< 10	32	< 10	152
BB27932	201 202	0.03	22	340	48	< 2	6	68	0.06	< 10	< 10	25	< 10	124
BB27933	201 202	0.01	22	340	68	2	6	50	0.04	< 10	< 10	32	< 10	360
BB27934	201 202	< 0.01	23	180	50	2	3	27	0.04	< 10	< 10	36	< 10	536
BB27935	201 202	0.01	21	150	60	2	5	44	0.03	< 10	< 10	23	< 10	210
BB27936	201 202	< 0.01	20	320	54	< 2	5	50	0.03	< 10	< 10	26	< 10	142
BB27937	201 202	0.01	28	160	46	< 2	5	30	0.03	< 10	< 10	30	< 10	144
BB27938	201 202	0.01	25	250	32	2	4	34	0.09	< 10	< 10	38	< 10	96
BB27939	201 202	< 0.01	17	530	34	< 2	4	77	0.03	< 10	< 10	24	< 10	146
BB27940	201 202	< 0.01	18	300	28	< 2	4	86	0.08	< 10	< 10	30	< 10	288
BB27941	201 202	0.01	20	720	34	< 2	4	87	0.05	< 10	< 10	23	< 10	100
BB27942	201 202	< 0.01	22	220	48	2	3	45	0.04	< 10	< 10	29	< 10	170
BB27943	201 202	0.03	29	440	90	< 2	7	87	0.04	< 10	< 10	30	< 10	236
BB27944	201 202	0.01	15	190	26	< 2	3	34	0.05	< 10	< 10	22	< 10	82
BB27945	201 202	0.05	24	170	72	2	5	74	0.06	< 10	< 10	32	< 10	152
BB27946	201 202	< 0.01	8	540	4	< 2	1	205	< 0.01	< 10	< 10	3	< 10	74
BB27947	201 202	< 0.01	22	170	58	4	6	36	< 0.01	< 10	< 10	22	< 10	566
BB27948	201 202	< 0.01	20	160	54	< 2	3	34	0.04	< 10	< 10	24	< 10	154
BB27949	201 202	< 0.01	31	150	50	2	6	31	0.01	< 10	< 10	37	< 10	150
BB27950	201 202	< 0.01	25	230	48	< 2	3	35	0.04	< 10	< 10	34	< 10	134

CERTIFICATION: Hart Bickler



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Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
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 PHONE: 604-984-0221 FAX: 604-984-0218

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 WHITEHORSE, YT  
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 Account : MTT

Project : QB  
 Comments :

## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB27951	201	202	0.6	2.86	74	100	1.5	< 2	1.72	0.5	11	34	34	3.77	< 10	< 1	0.24	40	1.05	260	< 1
BB27952	201	202	< 0.2	2.30	14	90	0.5	< 2	0.47	< 0.5	8	24	16	2.75	< 10	< 1	0.16	40	0.67	260	< 1
BB27953	201	202	< 0.2	2.62	18	60	0.5	< 2	0.36	< 0.5	13	39	12	3.79	10	< 1	0.14	20	0.93	465	< 1
BB27954	201	202	< 0.2	1.93	4	90	0.5	< 2	0.30	< 0.5	7	22	8	2.44	< 10	< 1	0.19	20	0.54	215	< 1
BB27955	201	202	< 0.2	1.75	14	50	0.5	< 2	3.69	0.5	11	20	23	2.49	< 10	< 1	0.21	30	0.75	280	< 1
BB27958	201	202	< 0.2	2.08	8	50	1.0	< 2	0.19	< 0.5	10	21	9	3.08	< 10	1	0.09	30	0.75	220	< 1
BB27959	201	202	< 0.2	3.73	6	140	2.5	< 2	0.85	< 0.5	14	45	28	4.67	10	< 1	0.35	40	1.64	805	1
BB27960	201	202	< 0.2	1.90	14	60	1.0	< 2	0.21	< 0.5	11	22	13	3.21	< 10	< 1	0.14	30	0.81	320	< 1
BB27961	201	202	< 0.2	3.78	46	110	1.5	< 2	1.54	< 0.5	24	58	31	5.72	< 10	< 1	0.59	30	2.21	515	< 1
BB27962	201	202	0.2	1.53	24	30	0.5	< 2	1.91	< 0.5	7	16	12	2.50	< 10	< 1	0.10	40	2.17	860	1
BB27963	201	202	0.2	1.88	22	50	1.5	< 2	0.53	1.0	11	23	13	4.18	< 10	< 1	0.15	50	0.93	2100	< 1
BB27964	201	202	< 0.2	1.65	14	50	0.5	< 2	0.22	< 0.5	7	18	13	2.18	< 10	< 1	0.08	30	0.43	220	< 1
BB27965	201	202	< 0.2	2.11	8	70	0.5	< 2	0.18	< 0.5	9	25	5	2.72	< 10	< 1	0.09	30	0.56	245	< 1
BB27966	201	202	< 0.2	2.45	34	60	1.0	< 2	2.03	2.5	13	29	21	4.82	< 10	< 1	0.10	30	0.98	1025	1
BB27967	201	202	0.8	3.27	16	70	1.5	< 2	0.37	0.5	15	39	26	4.39	10	< 1	0.17	30	0.94	395	< 1
BB27968	201	202	0.2	4.01	32	80	2.5	< 2	0.48	3.0	19	48	18	6.04	10	< 1	0.18	30	1.23	970	< 1
BB27969	201	202	0.2	2.60	26	50	1.5	< 2	0.35	< 0.5	12	27	13	3.93	< 10	< 1	0.14	30	1.06	465	< 1
BB27970	201	202	< 0.2	1.87	10	70	0.5	< 2	0.37	0.5	8	19	7	2.83	< 10	< 1	0.11	30	0.57	495	< 1
BB27971	201	202	< 0.2	2.35	6	80	1.5	< 2	0.36	< 0.5	11	25	12	3.59	< 10	< 1	0.23	40	0.79	360	< 1
BB27972	201	202	< 0.2	2.23	12	80	1.5	< 2	0.38	< 0.5	11	22	12	3.23	< 10	< 1	0.18	40	0.78	325	< 1
BB27973	201	202	< 0.2	2.09	10	50	1.5	< 2	0.23	< 0.5	14	24	12	4.25	< 10	< 1	0.13	20	0.79	385	< 1
BB27974	201	202	< 0.2	1.77	14	60	1.0	< 2	0.43	0.5	9	20	14	2.99	< 10	< 1	0.08	30	0.59	355	< 1
BB27975	201	202	< 0.2	1.33	14	80	0.5	< 2	0.46	< 0.5	7	15	9	2.15	< 10	< 1	0.11	20	0.53	245	< 1
BB27976	201	202	< 0.2	1.72	10	50	0.5	< 2	0.18	< 0.5	8	18	8	2.60	< 10	< 1	0.10	30	0.56	200	< 1
BB27977	201	202	< 0.2	2.33	10	70	1.5	< 2	0.30	< 0.5	9	24	10	3.29	< 10	< 1	0.10	40	0.70	315	< 1
BB27978	201	202	0.6	2.65	22	40	0.5	< 2	0.12	< 0.5	10	35	18	4.62	10	< 1	0.14	10	0.85	260	< 1
BB27979	201	202	0.2	2.69	8	60	0.5	< 2	0.14	< 0.5	10	47	8	3.96	10	< 1	0.09	20	0.84	295	< 1
BB27980	201	202	0.2	1.77	10	90	0.5	< 2	0.16	< 0.5	10	19	5	3.07	< 10	< 1	0.17	30	0.55	365	< 1
BB27988	201	202	< 0.2	1.38	14	60	< 0.5	< 2	0.67	< 0.5	5	15	9	1.71	< 10	< 1	0.13	20	0.44	190	< 1
BB27989	201	202	< 0.2	1.81	18	70	0.5	< 2	0.94	0.5	6	20	19	2.26	< 10	< 1	0.18	30	0.57	225	< 1
BB27990	201	202	0.2	2.51	40	80	1.0	< 2	1.11	1.0	11	29	28	3.55	< 10	< 1	0.19	30	1.01	535	< 1
BB27991	201	202	0.2	2.36	14	90	1.0	< 2	0.48	0.5	11	29	25	3.22	< 10	< 1	0.27	40	0.88	405	< 1
BB27992	201	202	0.2	1.71	14	60	0.5	< 2	0.47	0.5	9	21	11	2.80	< 10	< 1	0.11	30	0.69	360	< 1
BB27993	201	202	< 0.2	1.41	12	50	0.5	< 2	5.12	< 0.5	9	17	14	2.16	< 10	< 1	0.11	20	0.67	320	< 1
BB27994	201	202	< 0.2	2.37	30	50	1.5	< 2	0.28	< 0.5	16	25	16	4.21	< 10	< 1	0.14	40	1.03	575	< 1
BB27995	201	202	< 0.2	2.27	16	70	1.0	< 2	0.33	< 0.5	14	24	14	3.56	< 10	< 1	0.13	40	0.95	280	< 1
BB27996	201	202	< 0.2	2.81	18	80	1.5	< 2	0.40	< 0.5	13	31	18	3.77	< 10	< 1	0.14	40	0.92	420	< 1
BB27997	201	202	< 0.2	1.72	26	70	0.5	< 2	1.27	0.5	9	21	19	2.48	< 10	< 1	0.14	30	0.70	340	< 1
BB27998	201	202	1.6	2.24	24	60	0.5	< 2	0.74	2.5	9	27	32	3.08	< 10	< 1	0.18	40	0.83	245	< 1
BB27999	201	202	< 0.2	2.14	8	90	0.5	< 2	1.55	0.5	9	24	22	2.46	< 10	< 1	0.26	30	0.67	420	< 1

CERTIFICATION: *David Beckler*



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Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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 C/O ARCHER, CATHRO  
 BOX 4127, 2054 SECOND AVE.  
 WHITEHORSE, YT  
 Y1A 3S9

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## CERTIFICATE OF ANALYSIS A9745966

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB27951	201	202	0.03	25	1030	62	< 2	6	127	0.05	< 10	< 10	26	< 10	290
BB27952	201	202	0.02	20	260	40	< 2	4	73	0.05	< 10	< 10	23	< 10	82
BB27953	201	202	0.02	22	380	66	< 2	4	61	0.09	< 10	< 10	42	< 10	182
BB27954	201	202	0.01	15	160	22	2	3	46	0.05	< 10	< 10	25	< 10	94
BB27955	201	202	0.01	22	500	36	< 2	3	181	0.04	< 10	< 10	19	< 10	160
BB27958	201	202	< 0.01	18	130	24	< 2	2	23	0.02	< 10	< 10	22	< 10	68
BB27959	201	202	0.01	31	700	20	< 2	6	57	0.06	< 10	< 10	52	< 10	152
BB27960	201	202	< 0.01	19	260	26	< 2	3	17	0.02	< 10	< 10	22	< 10	84
BB27961	201	202	< 0.01	38	1950	10	2	11	106	0.12	< 10	< 10	57	< 10	138
BB27962	201	202	< 0.01	13	140	56	< 2	4	32	0.01	< 10	< 10	16	< 10	682
BB27963	201	202	< 0.01	21	230	78	< 2	6	48	0.04	< 10	< 10	27	< 10	164
BB27964	201	202	0.01	17	220	36	< 2	3	38	0.05	< 10	< 10	19	< 10	72
BB27965	201	202	< 0.01	12	90	14	< 2	3	22	0.07	< 10	< 10	35	< 10	82
BB27966	201	202	0.03	20	740	68	< 2	4	155	0.05	< 10	< 10	34	< 10	402
BB27967	201	202	0.03	27	390	104	2	4	86	0.09	< 10	< 10	43	< 10	248
BB27968	201	202	0.03	35	760	386	2	5	132	0.08	< 10	< 10	53	< 10	440
BB27969	201	202	0.02	21	240	38	2	4	60	0.05	< 10	< 10	30	< 10	136
BB27970	201	202	< 0.01	13	190	30	2	3	34	0.03	< 10	< 10	24	< 10	200
BB27971	201	202	< 0.01	21	290	22	2	3	36	0.03	< 10	< 10	27	< 10	130
BB27972	201	202	< 0.01	22	180	32	< 2	4	41	0.02	< 10	< 10	23	< 10	92
BB27973	201	202	< 0.01	22	260	46	< 2	3	27	0.04	< 10	< 10	33	< 10	176
BB27974	201	202	< 0.01	18	390	28	< 2	3	42	0.03	< 10	< 10	24	< 10	106
BB27975	201	202	0.02	14	450	24	< 2	2	55	0.03	< 10	< 10	15	< 10	84
BB27976	201	202	< 0.01	14	130	24	< 2	2	24	0.03	< 10	< 10	21	< 10	102
BB27977	201	202	< 0.01	19	150	32	2	4	39	0.04	< 10	< 10	27	< 10	138
BB27978	201	202	< 0.01	20	250	54	< 2	3	33	0.07	< 10	< 10	43	< 10	432
BB27979	201	202	< 0.01	21	170	30	< 2	4	23	0.07	< 10	< 10	58	< 10	220
BB27980	201	202	< 0.01	15	190	24	< 2	1	19	0.04	< 10	< 10	29	< 10	184
BB27988	201	202	0.04	11	420	26	< 2	2	88	0.04	< 10	< 10	14	< 10	94
BB27989	201	202	0.03	16	580	30	< 2	3	98	0.04	< 10	< 10	20	< 10	134
BB27990	201	202	0.05	24	730	72	< 2	4	127	0.06	< 10	< 10	27	< 10	310
BB27991	201	202	0.03	26	190	72	< 2	4	77	0.05	< 10	< 10	25	< 10	200
BB27992	201	202	0.01	20	250	44	< 2	4	54	0.04	< 10	< 10	23	< 10	122
BB27993	201	202	0.01	18	590	42	< 2	3	262	0.03	< 10	< 10	15	< 10	144
BB27994	201	202	0.01	30	180	58	< 2	4	34	0.02	< 10	< 10	24	< 10	216
BB27995	201	202	0.01	26	70	56	2	4	41	0.02	< 10	< 10	22	< 10	142
BB27996	201	202	0.02	29	180	74	< 2	6	66	0.03	< 10	< 10	26	< 10	140
BB27997	201	202	0.03	19	710	42	< 2	3	105	0.04	< 10	< 10	19	< 10	230
BB27998	201	202	0.03	22	710	142	2	4	85	0.05	< 10	< 10	24	< 10	666
BB27999	201	202	0.04	21	460	42	< 2	3	134	0.06	< 10	< 10	22	< 10	110

CERTIFICATION: Stuart Buchler



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o: NORDAC RESOURCES LTD.  
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## CERTIFICATE OF ANALYSIS

### A9745966

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB28000	201 202	0.2	1.94	6	90	0.5	< 2	1.27	0.5	7	22	20	2.37	< 10	< 1	0.20	20	0.56	300	< 1

CERTIFICATION: Hart Bickler



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A9745966

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB28000	201 202	0.02	17	630	24	< 2	3	114	0.05	< 10	< 10	23	< 10	98

CERTIFICATION: Hunter Buchler



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Account : MTT

## CERTIFICATE OF ANALYSIS

### A9742240

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
59338M	205 226	1.2	1.54	10	< 10	< 0.5	< 2	>15.00	9.0	3	28	21	3.89	< 10	< 1	0.11	< 10	0.80	2970	1
59340M	205 226	0.6	2.72	16	< 10	< 0.5	< 2	13.15	8.0	6	46	24	5.90	< 10	< 1	0.09	< 10	1.00	3400	1
59344M	205 226	< 0.2	2.42	16	< 10	< 0.5	< 2	15.00	3.0	4	45	12	6.82	< 10	< 1	0.07	10	0.96	>10000	1

CERTIFICATION:



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A9742240

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
59338M	205 226	< 0.01	7	130	170	< 2	3	1150	< 0.01	< 10	< 10	10	< 10	2100
59340M	205 226	< 0.01	10	160	20	< 2	4	676	< 0.01	< 10	< 10	16	< 10	1920
59344M	205 226	< 0.01	9	180	30	< 2	4	800	< 0.01	< 10	< 10	17	< 10	806

CERTIFICATION:

*B. Coughlin*



# 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: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project: QB  
Comments:

Page Number: 1-A  
Total Pages: 1  
Certificate Date: 18-SEP-97  
Invoice No.: 19742238  
P.O. Number:  
Account: MTT

## CERTIFICATE OF ANALYSIS A9742238

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
59339M	258 295	60	1.50	< 100	< 10	< 20	18.65	110	30	30	270	7.20	0.1	0.70	5500
59341M	258 295	4	2.85	< 100	< 10	< 20	18.25	70	30	30	140	8.10	0.5	1.05	12720
59342M	258 295	2	1.75	< 100	< 10	< 20	16.35	130	620	10	140	11.55	< 0.1	0.95	16940
59343M	258 295	2	1.50	< 100	< 10	< 20	14.00	50	40	10	120	14.80	< 0.1	1.25	29800

CERTIFICATION:

*Hart Bickler*



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WHITEHORSE, YT  
Y1A 3S9

Project: QB  
Comments:

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Total Pages : 1  
Certificate Date: 18-SEP-97  
Invoice No. : 19742238  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9742238

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)						
59339M	258 295	< 10	< 0.05	< 10	2.06	660	0.05	< 10	21400						
59341M	258 295	< 10	< 0.05	10	0.042	530	0.10	20	13880						
59342M	258 295	< 10	< 0.05	40	0.020	360	0.05	10	25100						
59343M	258 295	< 10	< 0.05	10	0.056	270	< 0.05	10	8500						

CERTIFICATION: Hart Buchler



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Y1A 3S9

Project: QB  
Comments:

Page Number: 1  
Total Pages: 1  
Certificate Date: 08-SEP-97  
Invoice No.: 19740894  
P.O. Number:  
Account: MTT

## CERTIFICATE OF ANALYSIS A9740894

SAMPLE	PREP CODE		Au ppb RUSH	Ag g/t RUSH	Cu %	Pb %	Zn %					
59337M	258	295	20	107.5	0.07	8.43	13.50					

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C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project: QB  
Comments:

Page Number : 1  
Total Pages : 1  
Certificate Date: 08-SEP-97  
Invoice No. : 19740892  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS

A9740892

SAMPLE	PREP CODE		Au ppb RUSH	Ag g/t RUSH	Cu %	Pb %	Zn %					
59336M	258	295	< 5	60.3	0.08	6.47	5.05					

CERTIFICATION:



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Y1A 3S9

Project: QB  
Comments:

Page Number : 1  
Total Pages : 1  
Certificate Date: 08-SEP-97  
Invoice No. : 19740891  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9740891

SAMPLE	PREP CODE		Au ppb	Ag g/t	Cu	Pb	Zn						
			RUSH	RUSH	%	%	%						
59335M	258	295	15	98.1	0.15	6.66	6.45						

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 Y1A 3S9

Project: QB-97-5  
 Comments:

Page Number: 1-A  
 Total Pages: 1  
 Certificate Date: 09-SEP-97  
 Invoice No.: 19740742  
 P.O. Number:  
 Account: MTT

## CERTIFICATE OF ANALYSIS A9740742

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
059326 M	205 226	9.0	0.89	14	10	< 0.5	12	4.45	21.0	16	21	356	6.67	< 10	< 1	0.22	< 10	0.59	2210	1
059327 M	205 226	2.6	1.64	8	20	0.5	< 2	1.14	6.5	20	81	94	8.42	< 10	< 1	0.33	10	0.93	1040	< 1
059328 M	205 226	1.8	0.92	12	30	0.5	< 2	2.16	6.5	15	53	44	5.77	< 10	< 1	0.38	20	1.28	1190	1
059329 M	205 226	2.2	0.86	16	20	0.5	< 2	1.67	2.0	20	54	75	6.76	< 10	< 1	0.27	10	0.99	1080	< 1
059330 M	205 226	0.4	1.65	8	30	0.5	< 2	2.18	0.5	13	97	15	4.50	< 10	< 1	0.40	30	1.33	735	3
059331 M	205 226	3.2	1.73	10	20	0.5	< 2	1.99	38.0	14	65	113	7.61	< 10	< 1	0.29	10	1.25	1120	8
059332 M	205 226	1.0	2.49	10	10	0.5	< 2	3.77	< 0.5	16	60	33	6.06	< 10	1	0.24	10	1.44	1515	1
059333 M	205 226	4.6	0.90	78	10	< 0.5	6	1.28	2.0	29	48	223	6.78	< 10	< 1	0.31	< 10	0.60	1165	4
059334 M	205 226	2.8	0.81	10	10	0.5	< 2	1.24	7.5	8	35	154	7.73	< 10	< 1	0.28	< 10	0.78	1385	1

CERTIFICATION: Hart Buchler



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Client: NORDAC RESOURCES LTD.  
 C/O ARCHER, CATHRO  
 BOX 4127, 2054 SECOND AVE.  
 WHITEHORSE, YT  
 Y1A 3S9

Page Number : 1-B  
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 Invoice No. : 19740742  
 P.O. Number :  
 Account : MTT

Project : QB-97-5  
 Comments:

## CERTIFICATE OF ANALYSIS A9740742

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
059326 M	205 226	< 0.01	10	170	1900	6	1	308	< 0.01	< 10	< 10	3	< 10	4220
059327 M	205 226	< 0.01	31	270	630	4	4	75	< 0.01	< 10	< 10	13	< 10	1345
059328 M	205 226	< 0.01	35	410	1940	14	6	128	< 0.01	< 10	< 10	14	< 10	1360
059329 M	205 226	< 0.01	29	300	678	4	5	85	< 0.01	< 10	< 10	12	< 10	498
059330 M	205 226	< 0.01	34	420	194	2	4	126	0.01	< 10	< 10	24	< 10	184
059331 M	205 226	< 0.01	24	200	2240	6	4	130	< 0.01	< 10	< 10	12	< 10	6940
059332 M	205 226	< 0.01	31	410	118	6	5	186	< 0.01	< 10	< 10	24	< 10	92
059333 M	205 226	< 0.01	8	290	570	16	1	101	< 0.01	< 10	< 10	4	< 10	500
059334 M	205 226	< 0.01	9	200	936	12	1	90	< 0.01	< 10	< 10	3	< 10	1510

CERTIFICATION: Hart Buchler



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To: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project : QB-97-5  
Comments:

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Total Pages : 1  
Certificate Date: 09-SEP-97  
Invoice No. : 19740741  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9740741

SAMPLE	PREP CODE	Cd %	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
059325 M	208 226	0.022	24	3.65	200	< 10	< 20	8.60	180	10	70	420	11.80	1.5	2.75

CERTIFICATION: Stuart Bickler



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Project: QB-97-5  
Comments:

NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
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WHITEHORSE, YT  
Y1A 3S9

Page Number : 1-B  
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Certificate Date: 09-SEP-97  
Invoice No. : 19740741  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS

A9740741

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)					
059325 M	208 226	2120	< 10	0.05	< 10	2.68	560	0.20	30	37800					

CERTIFICATION:

*Hart Bichler*



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Project : QB-97-4  
Comments:

Page Number : 1-A  
Total Pages : 1  
Certificate Date: 09-SEP-97  
Invoice No. : 19740739  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9740739

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
059321M	208 294	7	0.40	< 100	< 10	< 20	3.15	< 10	70	140	880	>30.0	0.1	0.65	950
059322M	208 294	10	0.25	< 100	< 10	20	0.95	< 10	90	60	970	>30.0	< 0.1	0.45	970
059323M	208 294	5	7.60	300	< 10	< 20	1.45	60	10	110	150	5.80	3.3	0.35	740
059324M	208 294	58	5.05	100	< 10	< 20	1.30	130	40	70	1510	18.05	2.2	0.95	2150

CERTIFICATION:

*Hart Buchler*



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

NO: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project: QB-97-4  
Comments:

Page Number : 1-B  
Total Pages : 1  
Certificate Date: 09-SEP-97  
Invoice No. : 19740739  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9740739

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)						
059321M	208 294	< 10	< 0.05	< 10	0.017	120	< 0.05	10	100						
059322M	208 294	< 10	< 0.05	< 10	0.012	30	< 0.05	< 10	200						
059323M	208 294	< 10	0.20	< 10	0.348	110	0.10	< 10	12260						
059324M	208 294	< 10	0.15	< 10	5.78	110	0.15	< 10	25900						

CERTIFICATION: Hart Buchler



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To: NORDAC RESOURCES LTD.  
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WHITEHORSE, YT  
Y1A 3S9

Project : QB  
Comments:

Page Number 1  
Total Pages 1  
Certificate Date 09-AUG-97  
Invoice No. I-9736059  
P.O. Number :  
Account :

## CERTIFICATE OF ANALYSIS

A9736059

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
058216	244 --	< 5									

CERTIFICATION: \_\_\_\_\_



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to: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
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WHITEHORSE, YT  
Y1A 3S9

Project: QB  
Comments:

Page: 1 of 1  
Total Fees: \$1  
Certificate Date: 21-JUL-97  
Invoice No.: 19732736  
P.O. Number:  
Account: MTT

## CERTIFICATE OF ANALYSIS

A9732736

SAMPLE	PREP CODE	Ag FA g/t											
058216	244 --	208											

CERTIFICATION:

*Mark Vank*



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Client: NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
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WHITEHORSE, YT  
Y1A 3S9

Project: QB  
Comments:

Page Number: 1-A  
Total Pages: 1  
Certificate Date: 17-JUL-97  
Invoice No.: 19731348  
P.O. Number:  
Account: MTT

## CERTIFICATE OF ANALYSIS A9731348

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
058216	208 226	>200	2.80	500	< 10	100	7.70	110	40	100	10310	4.10	3.1	0.25	1680

CERTIFICATION:

*Hans Buchler*



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NORDAC RESOURCES LTD.  
C/O ARCHER, CATHRO  
BOX 4127, 2054 SECOND AVE.  
WHITEHORSE, YT  
Y1A 3S9

Project : QB  
Comments:

Page : 1-B  
Total : 1  
Certificate Date: 17-JUL-97  
Invoice No. : 19731348  
P.O. Number :  
Account : MTT

## CERTIFICATE OF ANALYSIS A9731348

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)						
058216	208 226	< 10	0.05	< 10	0.727	630	0.05	< 10	10540						

CERTIFICATION: Hart Bechler

**APPENDIX III**

**GPS DATA**

**QB Property**  
**GPS Survey Coordinates**

**Data Quality:** Standard = The surveyed positions were recorded in 3D mode and were differentially corrected. The reported UTM coordinates are within 1 to 5 meters of their actual locations; Poor = >25% of the surveyed positions were recorded in 2D mode; Uncorrected = The surveyed positions were not differentially corrected; N/S = No survey data available.

**Base Station:** W = Westmin Resources Limited base station at Wolverine Lake; WL = Ministry of Environment, Lands and Parks base station at Williams Lake; DL = Ministry of Environment, Lands and Parks base station at Dease Lake; RR = Department of Renewable Resources (Forestry) at Whitehorse.

**A. Drill Collars**

Hole No.	MSL	UTM Coordinates		Data Quality	Base Station	Date
		Northing	Easting			
PAD.A	1063	6699520	419373	Standard	RR	31-Aug-97
PAD.B	1051	6699714	419416	Standard	RR	31-Aug-97

**B. Grid Station Points**

	Grid Coordinates		UTM Coordinates		Data Quality	Base Station	Date
	Northing	Easting	Northing	Easting			
10000N	6700E	6698160	417576	Poor	RR	25-Sep-97	
	6900E	6698257	417738	Standard	RR	25-Sep-97	
	7100E	6698340	417908	Standard	RR	26-Sep-97	
	7300E	6698448	418084	Standard	RR	26-Sep-97	
	7500E	6698550	418274	Standard	RR	27-Sep-97	
	7700E	6698632	418447	Standard	RR	27-Sep-97	
	8000E	6698699	418693	Uncorrected	-	27-Sep-97	
	8400E	6698938	419096	Poor	W	22-Jun-96	
10600N	6700E	6698666	417273	Standard	RR	25-Sep-97	
	8000E	6699254	418423	Standard	RR	27-Sep-97	
11200N	6800E	6699224	417086	Standard	RR	25-Sep-97	
	7000E	6699327	417253	Standard	RR	25-Sep-97	
	7200E	6699423	417416	Standard	RR	26-Sep-97	
	7300E	6699500	417620	Standard	RR	26-Sep-97	
	7600E	6699609	417788	Standard	RR	27-Sep-97	
	7800E	6699665	417963	Standard	RR	27-Sep-97	

**C. Nordac Resources Ltd. Claim Posts**

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
QB	1, 2	35, 36	6699697	418861	Poor	W	23-Jun-96
	3, 4	1, 2	6699805	419200	Uncorrected		
	5, 6	3, 4	6699678	419700	Poor	W	19-Jun-96
	7, 8	5, 6	6700115	420050	Uncorrected		

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
QB	9, 10	7, 8	6700254	420420	Uncorrected		
	11, 12	9, 10	6700440	420840	Uncorrected		
	13, 14	11, 12	6700640	421275	Uncorrected		
	61, 62	13, 14	6700919	421551	Uncorrected		
QB	15, 16	43, 44	6699049	419040	Poor	W	19-Jun-96
	17, 18	15, 16	6699180	419490	Uncorrected		
	19, 20	17, 18	6699310	419900	Uncorrected		
	21, 22	19, 20	6699440	420300	Uncorrected		
	23, 24	21, 22	6699590	420760	Uncorrected		
	25, 26	23, 24	6699750	421170	Uncorrected		
	27, 28	25, 26	6699926	421589	Uncorrected		
	85, 86	27, 28	6700045	421997	Uncorrected		
QB	29, 30/105, 106	-	6698939	417209	Poor	W	23-Jun-96
	31, 32	29, 30	6699102	417620	Uncorrected		23-Jun-96
	33, 34	31, 32	6699322	418017	Poor	W	23-Jun-96
	35, 36	33, 34	6699503	418431	Poor	W	23-Jun-96
	1, 2	35, 36	6699697	418861	Poor	W	23-Jun-96
QB	37, 38/115, 116	-	-	-	N/S		
	39, 40	37, 38	6698753	417835	Poor	W	23-Jun-96
	41, 42	39, 40	6698813	418183	Poor	W	23-Jun-96
	43, 44	41, 42	6698939	418622	Poor	W	23-Jun-96
	15, 16	43, 44	6699049	419040	Poor	W	23-Jun-96
QB	45, 46	-	6697510	417261	Standard	W	26-Jun-96
	47, 48	45, 46	6697798	418100	Standard	W	26-Jun-96
	49, 50	47, 48	6697913	418526	Standard	W	26-Jun-96
	51, 52	49, 50	6698080	418929	Standard	W	26-Jun-96
	53, 54	51, 52	6698218	419359	Standard	W	26-Jun-96
	55, 56	53, 54	6698361	419794	Standard	W	26-Jun-96
	57, 58	55, 56	6698494	420246	Standard	W	26-Jun-96
	59, 60	57, 58	6698602	420653	Standard	W	26-Jun-96
	-	59, 60	6698730	421065	Standard	W	26-Jun-96
	QB	61, 62	13, 14	-	-	N/S	
63, 64		61, 62	6700996	422051	Uncorrected		
65, 66		63, 64	6701239	422441	Uncorrected		
67, 68		65, 66	6701231	422872	Uncorrected		
69, 70		67, 68	6701483	423355	Uncorrected		
71, 72		69, 70	6701507	423819	Uncorrected		
73, 74		71, 72	6701798	423979	Uncorrected		
75, 76		73, 74	6701943	424531	Uncorrected		
77, 78		75, 76	6702058	424950	Uncorrected		
79, 80		77, 78	6702237	425356	Uncorrected		
81, 82		79, 80	6702373	425780	Uncorrected		
83, 84		81, 82	6702521	426216	Uncorrected		
-		83, 84	6702645	426621	Uncorrected		
QB		85, 86	27, 28	6700045	421997	Uncorrected	
	87, 88	85, 86	6700315	422452	Uncorrected		
	89, 90	87, 88	6700398	422764	Uncorrected		
	91, 92	89, 90	6700525	423294	Uncorrected		
	93, 94	91, 92	6700718	423619	Uncorrected		
	95, 96	93, 94	6700909	424072	Uncorrected		
	97, 98	95, 96	6701087	424428	Uncorrected		
	99, 100	97, 98	6701295	424864	Uncorrected		
	101, 102	99, 100	6701523	425317	Uncorrected		
	103, 104	101, 102	6701654	425720	Uncorrected		

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
QB	-	103, 104	6701987	425513	Uncorrected		
QB	105, 106/29, 30	-	6698898	417231	Uncorrected	-	23-Sep-97
	107, 108	105, 106	6698845	416861	Standard	RR	23-Sep-97
	109, 110	107, 108	6698677	416486	Standard	RR	23-Sep-97
	111, 112	109, 110	6698571	416122	Standard	RR	23-Sep-97
	113, 114	111, 112	6698435	415729	Standard	RR	23-Sep-97
	-	113, 114	6698306	415338	Standard	RR	23-Sep-97
QB	115, 116/37, 38	-	-	-	N/S		
	117, 118	116, 117	6698450	417052	Uncorrected	-	23-Sep-97
	119, 120	117, 118	6698430	416624	Poor	RR	23-Sep-97
	121, 122	119, 120	6698306	416191	Standard	RR	23-Sep-97
	123, 124	121, 122	6698162	415786	Standard	RR	23-Sep-97
	-	123, 124	6698037	415363	Standard	RR	23-Sep-97

**APPENDIX IV**  
**SYNOPTIC LOGS**



**SYNOPTIC LOG**  
**NORDAC RESOURCES LTD.**

 Property: QB Hole: QB-97-02 Section: 10,500 N

 Easting: 419,373.13 Northing: 6,699,520.24 Elevation: 1,063.35 Depth: 149.40 Logger: G. Duso  
 Drilling Dates: Aug 12-14, 1997

Depth	0.00	149.40			
Azimuth	190	190			
Dip	-52	-56			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	3.65	3.65		OBDH	overburden										
3.65	5.48	1.83		QMSH	weathered quartz-muscovite schist										
5.48	7.77	2.29		QMSH	quartz-muscovite schist										
7.77	12.49	4.72		QMSH	quartz-muscovite schist										
					-disseminated pyrite and trace galena										
12.49	18.59	6.10		QMSH	quartz-muscovite schist with clay altered feldspars										
18.59	25.90	7.31		QMSH	quartz-muscovite schist with clay altered feldspars										
25.90	35.66	9.76		QMSH	quartz-muscovite schist										
35.66	41.75	6.09		MBSH	quartz-muscovite-biotite schist with ankerite(?)										
41.75	49.00	7.25		MBSH	quartz-muscovite-biotite schist with ankerite(?)										
					-abundant carbonate veins										
49.00	58.67	9.67		MBSH	quartz-muscovite-biotite schist with ankerite(?)										
58.67	70.10	11.43		MBSH	quartz-muscovite-biotite schist										
70.10	81.07	10.97		MBSH	quartz-muscovite-biotite schist										
81.07	83.85	2.78		CMSH	chlorite-muscovite schist										
83.85	90.86	7.01		CMSH	chlorite-muscovite schist, locally calcareous										
90.86	98.45	7.59		MBSH	quartz-muscovite-biotite schist										
98.45	109.40	10.95		MBSH	quartz-muscovite-biotite schist										
					-pyrite-calcite vein at 109.00										
109.40	114.90	5.50		MBSH	quartz-muscovite-biotite schist										
114.90	125.74	10.84		LMST	recrystallized limestone										
					-10-20% quartz-muscovite schist as thin bands										
125.74	149.40	23.66		LMST	recrystallized limestone										
					-abundant schistose partings up to 5cm wide										
					-rare calcite veins with trace sphalerite										
					EOH										

\*S-strong weathering, T-transitional weathering, F-fresh

**SYNOPTIC LOG  
NORDAC RESOURCES LTD.**
Property: QBHole: QB-97-03 Section: \_\_\_\_\_Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Depth: \_\_\_\_\_ Logger: G. Duso419,416.15 6,699,714.34 1,051.38 145.08 Drilling Dates: Aug 14-17, 1997

Depth	0.00	145.08			
Azimuth	190	190			
Dip	-50	-57			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	12.80	12.80		OBDH	overburden										
12.80	20.35	7.55		MUSH	sheared muscovite schist										
20.35	24.99	4.64		MUSH	clay altered muscovite schist										
24.99	35.66	10.67		MUSH	coarse muscovite±biotite schist										
35.66	38.77	3.11		QMSH	quartz-muscovite schist with clay altered feldspars										
					-5% disseminated pyrite and sphalerite band at 35.66										
38.77	51.51	12.74		QMSH	quartz-muscovite schist with clay altered feldspars										
					-pyrite-quartz-calcite vein and trace galena at 48.40										
51.51	58.97	7.46		QMSH	quartz-muscovite schist with clay altered feldspars										
					-trace sphalerite at 53.00										
58.97	61.60	2.63		MUSH	muscovite schist										
61.60	65.20	3.60		MUSH	fine grained muscovite±biotite schist										
65.20	78.33	13.13		QMSH	quartz-muscovite-feldspar schist										
78.33	90.52	12.19		QMSH	quartz-muscovite-feldspar schist, locally porphyritic										
90.52	102.71	12.19		QMSH	quartz-muscovite±biotite schist										
102.71	109.42	6.71		QMSH	carbonate veined quartz-muscovite schist										
109.42	121.10	11.68		QMSH	carbonate veined quartz-muscovite schist										
121.10	125.97	4.87		CMSH	chlorite-muscovite±biotite schist										
125.97	128.57	2.60		CAVN	carbonate vein with pyrite										
128.57	134.50	5.93		LMST	interlamated limestone and chlorite-muscovite schist										
134.50	135.70	1.20		CMSH	sheared chlorite-muscovite schist										
135.70	141.70	6.00		LMST	limeston with minor schist partings										
141.70	145.08	3.38		MUSH	muscovite schist										
					EOH										

\*S-strong weathering, T-transitional weathering, F-fresh

**SYNOPTIC LOG  
NORDAC RESOURCES LTD.**
Property: QBHole: QB-97-04 Section: \_\_\_\_\_Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Depth: \_\_\_\_\_ Logger: G. Duso419,416.15 6,699,714.34 1,051.38 95.06 Drilling Dates: Aug 18-19, 1997

Depth	0.00	95.06			
Azimuth	10	10			
Dip	-50	-52			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	8.20	8.20		OBDH	overburden										
8.20	9.75	1.55		QMSH	quartz-muscovite schist										
9.75	14.32	4.57		MUSH	muscovite schist										
14.32	17.07	2.75		FLSH	faulted quartz-pyrite vein and muscovite schist										
17.07	17.72	0.65		MSPY	massive pyrite										
					-fine to coarse grained pyrite replacing limestone	17.07	17.72	0.65	59321	100	880	170	100	7.0	n/a
17.72	18.90	1.18		FLSH	faulted quartz-muscovite schist										
18.90	21.95	3.05		PYMS	massive pyrite vein										
					-pyrite replacing limestone, trace pyrrhotite and galena	18.90	21.95	3.05	59322	80	970	120	200	10.0	n/a
21.95	23.46	1.51		MUSH	muscovite schist										
23.46	28.04	4.58		MUSH	partly silicious muscovite schist										
28.04	29.86	1.82		GGSH	fault gouge and silicious muscovite schist										
					-massive pyrite vein with galena and sphalerite at 28.45	28.04	29.86	1.82	59323	70	150	0.35%	1.23%	5.0	n/a
					-a few pyritic stringers and coarse sphalerite veinlets										
29.86	34.40	4.54		MUSH	carbonate altered muscovite schist										
					-occasional pyrite stringers										
34.40	38.40	4.00		MUSH	silicious muscovite schist (quartzite ?)										
38.40	40.84	2.44		MBSH	muscovite-biotite schist										
40.84	47.85	7.01		MUSH	muscovite schist										
47.85	54.96	7.11		MUSH	sheared muscovite schist										
54.96	63.09	8.13		MBSH	muscovite-biotite schist										
63.09	74.50	11.41		MUSH	muscovite schist										
74.50	75.28	0.78		QZVN	quartz vein and faulted graphitic schist										
					-20cm wide pyrite-galena vein in faulted graphitic schist	74.78	75.08	0.30	59324	75	1510	5.78%	2.59%	58.0	n/a
75.28	89.00	13.72		FLSH	faulted quartz-muscovite schist										
89.00	92.65	3.65		GGSH	fault gouge with limestone clasts and muscovite schist										
92.65	95.06	2.41		LMST	recrystallized limestone with muscovite schist partings										
					EOH										

\*S-strong weathering, T-transitional weathering, F-fresh

**SYNOPTIC LOG  
NORDAC RESOURCES LTD.**
Property: QBHole: QB-97-05 Section: \_\_\_\_\_

Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Depth: \_\_\_\_\_

Logger: G. DusoDrilling Dates: Aug 20-23, 1997

Depth	0.00	213.36			
Azimuth	330	330			
Dip	-50	-56			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	9.75	9.75		OBDH	overburden										
9.75	15.54	5.79		QMSH	quartz-muscovite schist										
15.54	24.07	8.53		QMSH	quartz-muscovite schist										
24.07	39.31	15.24		QMSH	quartz-muscovite schist										
39.31	44.50	5.19		LMST	recrystallized limestone with rare muscovitic partings										
44.50	49.68	5.18		LMST	recrystallized limestone										
49.68	57.13	7.45		LMST	recrystallized limestone with 10% muscovitic partings										
57.13	57.63	0.50		FLVN	fault gouge and sulfide-calcite vein										
					-whispy pyrite-sphalerite-galena bands with calcite	57.13	57.63	0.50	59325	80	420	2.68%	3.78%	24.0	n/a
57.63	63.40	5.77		MUSH	sheared calcareous muscovite schist										
63.40	72.23	8.83		MUSH	muscovite schist with 1% fracture controlled pyrite										
72.23	80.50	8.27		MUSH	weakly calcareous muscovite schist										
80.50	83.90	3.40		MUSH	muscovite schist										
83.90	90.00	6.10		MUSH	calcareous schist										
90.00	117.65	27.65		QMSH	quartz-muscovite schist										
					-calcite±galena-sphalerite-pyrite veins 2-3cm wide	90.53	93.42	2.89	59326	100	356	1900	4220	9.0	n/a
						93.42	96.62	3.20	59327	100	94	630	1345	2.6	n/a
						96.62	99.06	2.44	59328	100	44	1940	1360	1.8	n/a
						99.06	102.04	2.98	59329	100	75	678	498	2.2	n/a
						102.04	105.77	3.73	59330	100	15	194	184	0.4	n/a
117.65	126.00	8.35		MUSH	faulted noncalcareous muscovite schist										
						105.77	108.77	3.00	59331	100	113	2240	6940	3.2	n/a
						108.77	111.77	3.00	59332	100	33	118	92	1.0	n/a
						111.77	114.91	3.14	59333	100	223	570	500	4.6	n/a
						114.91	117.65	2.74	59334	100	154	936	1510	2.8	n/a
120.40	126.00	5.60		MUSH	sheared muscovite schist										
126.00	134.60	8.60		MUSH	sheared schist and limestone										
134.60	151.80	17.20		LMST	recrystallized limestone with schist partings										
151.80	157.58	5.78		LMST	recrystallized limestone with muscovite±biotite bands										

\*S-strong weathering, T-transitional weathering, F-fresh



**SYNOPTIC LOG  
NORDAC RESOURCES LTD.**
Property: QBHole: QB-97-06 Section: \_\_\_\_\_Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Depth: \_\_\_\_\_ Logger: G. DusoDrilling Dates: Aug 24-26, 1997

Depth	0.00	124.05			
Azimuth	330	330			
Dip	-50	-56			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	3.66	3.66		OBDH	overburden										
3.66	6.71	3.05		MBSH	calcareous muscovite±biotite schist										
6.71	14.32	7.61		MBSH	calcareous muscovite±biotite schist										
14.32	22.00	7.68		MBSH	calcareous muscovite±biotite schist										
					-stockwork with pyrite, sphalerite & galena at 17.97										
22.00	28.65	6.65		MBSH	calcareous muscovite±biotite schist										
					-minor pyrite, sphalerite & galena in stringer at 28.25										
28.65	36.88	8.23		MBSH	calcareous muscovite±biotite schist										
					-trace sphalerite in vein at 31.50										
36.88	41.70	4.82		MBSH	calcareous muscovite±biotite schist										
					-coarse galena in quartz vein at 37.60										
					-sphalerite, pyrite & trace galena in calcite vein at 39.60										
41.70	49.07	7.37		MBSH	quartz-muscovite-biotite schist										
49.07	57.00	7.93		LMST	interlaminated limestone and muscovite schist										
57.00	63.10	6.10		LMST	interlaminated limestone and muscovite schist										
					-boudinaging pyrrhotite vein at 59.70-60.00										
63.10	72.09	8.99		LMST	interlaminated limestone and muscovite schist										
72.09	78.33	6.24		LMST	interlaminated limestone and muscovite schist										
					-trace sphalerite and galena in calcite vein at 75.50										
78.33	79.33	1.00		LMST	limestone and muscovite schist with 5%pyrite										
79.33	81.38	2.05		LMST	brecciated recrystallized limestone										
81.38	85.97	4.59		LMST	recrystallized limestone and calcitic breccia										
					-disseminated galena (<1%) in breccia at 85.34-85.85.97										
85.97	86.96	0.99		MSPY	massive sulfide vein in muscovite schist										
					-15% sphalerite, 10% galena, 35% pyrite, tr. sphalerite	85.97	86.96	0.99	59335	100	0.15%	6.66%	6.45%	98.1	15
86.96	95.10	8.14		MUSH/LMST	calcareous schist and recrystallized limestone										
					-pyrite & minor galena (disseminated or in fractures)										
95.10	96.86	1.76		LMST	interlaminated recrystallized limestone & muscovite schist										
					-breccia intervals with pyrite, shalerite and galena										

\*S-strong weathering, T-transitional weathering, F-fresh



**SYNOPTIC LOG  
NORDAC RESOURCES LTD.**
Property: QBHole: QB-97-07 Section: \_\_\_\_\_Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Depth: \_\_\_\_\_ Logger: G. DusoDrilling Dates: Aug 27-28, 1997

Depth	0.00	134.40			
Azimuth	150	150			
Dip	-50	-56			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	3.65	3.65		CSDH	casing										
3.65	10.97	7.32		OBDR	overburden										
10.97	15.84	4.87		LMST	limestone with muscovite schist partings										
15.84	18.59	2.75		LMST	recrystallized limestone										
18.59	24.86	6.27		LMST	interlaminated limestone and muscovite schist										
24.86	34.74	9.88		LMST	interlaminated limestone and muscovite schist										
34.74	41.45	6.71		LMST	recrystallized limestone										
41.45	50.60	9.15		LMST	recrystallized limestone with stylolites										
50.60	52.30	1.70		LMST	interlaminated limestone and muscovite schist										
52.30	57.40	5.10		LMST	recrystallized limestone										
57.40	60.45	3.05		MUSH	calcareous muscovite schist with 5% disseminated pyrite										
60.45	73.15	12.70		LMST	recrystallized limestone										
73.15	74.00	0.85			clay seam										
74.00	82.90	8.90		LMST	limestone with muscovite schist laminae										
82.90	89.50	6.60		LMST	limestone with muscovite schist laminae										
89.50	97.96	8.46		LMST	limestone with muscovite schist laminae										
					-disseminated pyrite and fracture controlled pyrite										
97.96	98.46	0.50		MSPY	sulfide vein in calcite matrix										
					-60% pyrite, 15% sphalerite, 10% galena	97.96	98.46	0.50	59336	90	0.08%	6.47%	5.05%	60.3	<5
98.46	103.00	4.54		LMST	interlaminated limestone and muscovite schist										
103.00	117.34	14.34		LMST	interlaminated limestone and muscovite schist										
117.34	134.40	17.06		LMST	interlaminated limestone and muscovite schist										
					EOH										

\*S-strong weathering, T-transitional weathering, F-fresh

**SYNOPTIC LOG**  
**NORDAC RESOURCES LTD.**

 Property: QB Hole: QB-97-08 Section: \_\_\_\_\_

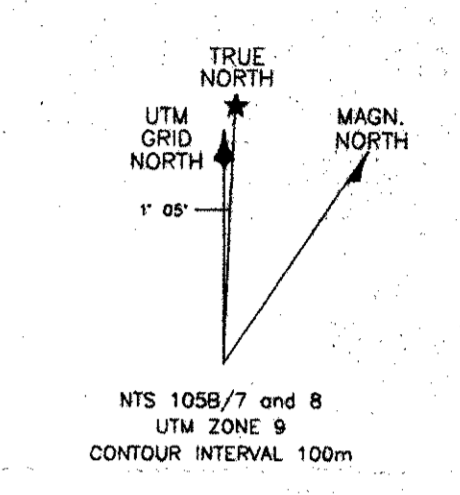
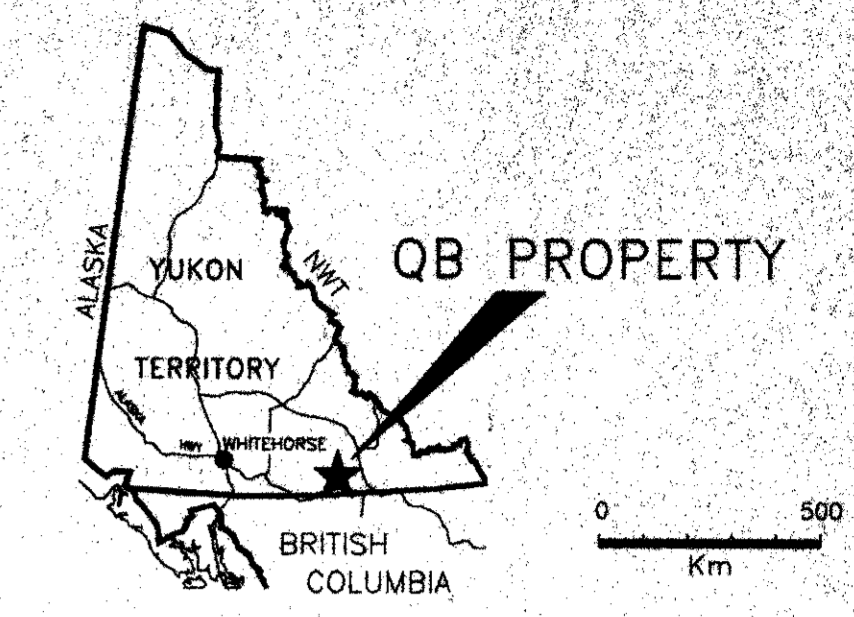
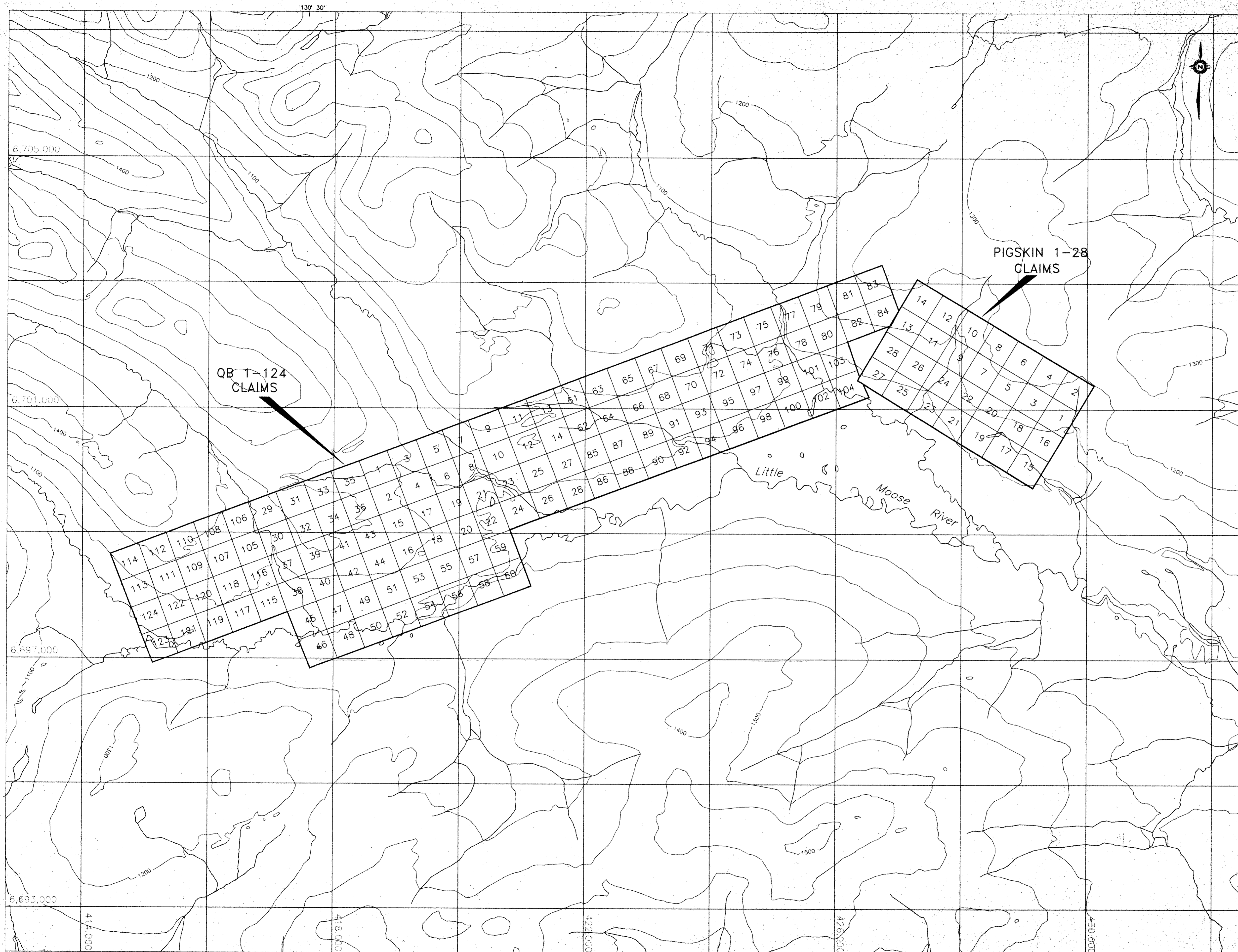
Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Depth: \_\_\_\_\_ Logger: \_\_\_\_\_ G. Duso

 Drilling Dates: Aug 28-31, 1997

Depth	0.00	110.34			
Azimuth	330	330			
Dip	-50	-54			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	3.65	3.65		OBDH	overburden										
3.65	18.59	14.94		LMST	foliated recrystallized limestone -15cm wide sulfide vein at 17.80										
18.59	51.60	33.01		MBSH	calcareous muscovite-biotite schist -sphalerite-galena bands at 23.26 and 27.65										
51.60	65.67	14.07		LMST	recrystallized limestone with schistose partings -disseminated pyrite & trace sphalerite in calcite veins										
65.67	67.67	2.00		LMST	recrystallized limestone with schistose partings -1cm wide calcite stringer with coarse sphalerite-pyrite	65.67	67.67	2.00	59338	100	21	170	0.21%	1.2	n/a
67.67	69.20	1.53		LMST	recrystallized limestone with schistose partings -massive sulfide veins at 68.01-68.18 and 69.10-69.15	67.67	69.20	1.53	59339	100	270	2.06%	2.14%	60.0	n/a
69.20	70.70	1.50		LMST	recrystallized limestone with minor schist partings -a few thin calcite veins with sphalerite	69.20	70.70	1.50	59340	100	24	20	0.19%	0.6	n/a
70.70	73.30	2.60		LMST	limestone and sulfides -coarse sphalerite in calcite veinlets -calcitic breccia with 5% sulfides at 71.93	70.70	73.30	2.60	59341	100	140	420	1.39%	4.0	n/a
73.30	75.05	1.75		PYMS	sulfide vein -30% sphalerite, 20% pyrite, 15% galena in calc. matrix	73.30	75.05	1.75	59337	100	0.07%	8.43%	13.50%	107.5	20
75.05	77.22	2.17		CAVN	calcitic breccia -locally disseminated to semimassive pyrite & sphalerite	75.05	77.22	2.17	59342	98	140	200	2.51%	2.0	n/a
77.22	79.60	2.38		CAVN	calcitic breccia -disseminated or patchy pyrite and sphalerite	77.22	79.60	2.38	59343	100	120	560	0.85%	2.0	n/a
79.60	81.60	2.00		LMST	recrystallized limestone -calcite breccia with trace sphalerite up to 80.78	79.60	81.60	2.00	59344	100	12	30	806	<0.2	n/a
81.60	94.42	12.82		LMST	limestone with interlaminated schist										
94.42	110.33	15.91		MUSH	muscovite schist with minor biotite										
					EOH										

\*S-strong weathering, T-transitional weathering, F-fresh



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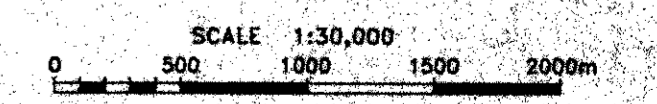
Dwg 11

**NORDAC RESOURCES LTD.**

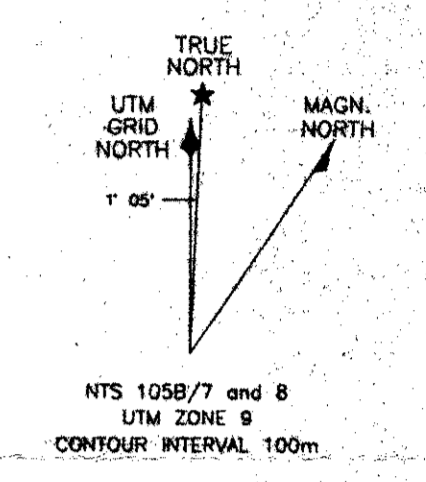
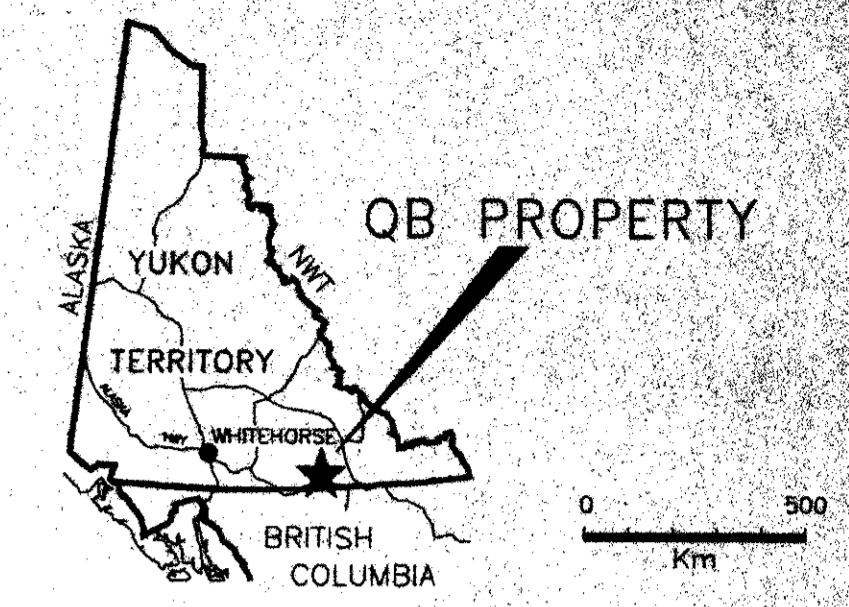
FIGURE 2  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATION**

QB PROPERTY



DRAWN/REVISED BY: AG  
FILE: NOR\QB\ACAD97\QB30-BLL.DWG  
PROJECT:  
DATE: DECEMBER, 1997



**LEGEND**

- Claim boundary
- 1 Quartz-muscovite ± biotite ± feldspar schist
- 2 Muscovite-chlorite ± biotite schist
- 3 Quartz-muscovite schist
- 4 Limestone
- Geological contact, assumed
- ✳ Synform axis, inferred
- Outcrop, float
- ~ Fault trace, inferred
- TR-97-8 Excavator trench
- Diamond drill hole
- △△ Siliceous Breccia
- ====qv Quartz vein
- ↘↗ Foliation attitude, joint orientation

**NORDAC RESOURCES LTD.**

FIGURE 5  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

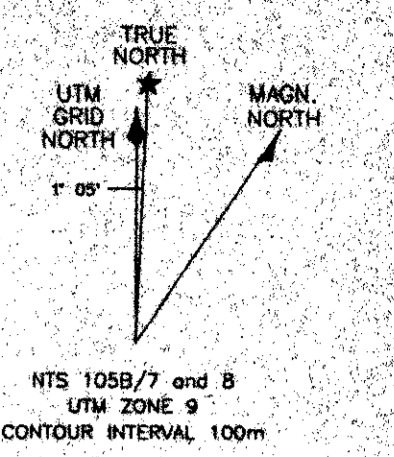
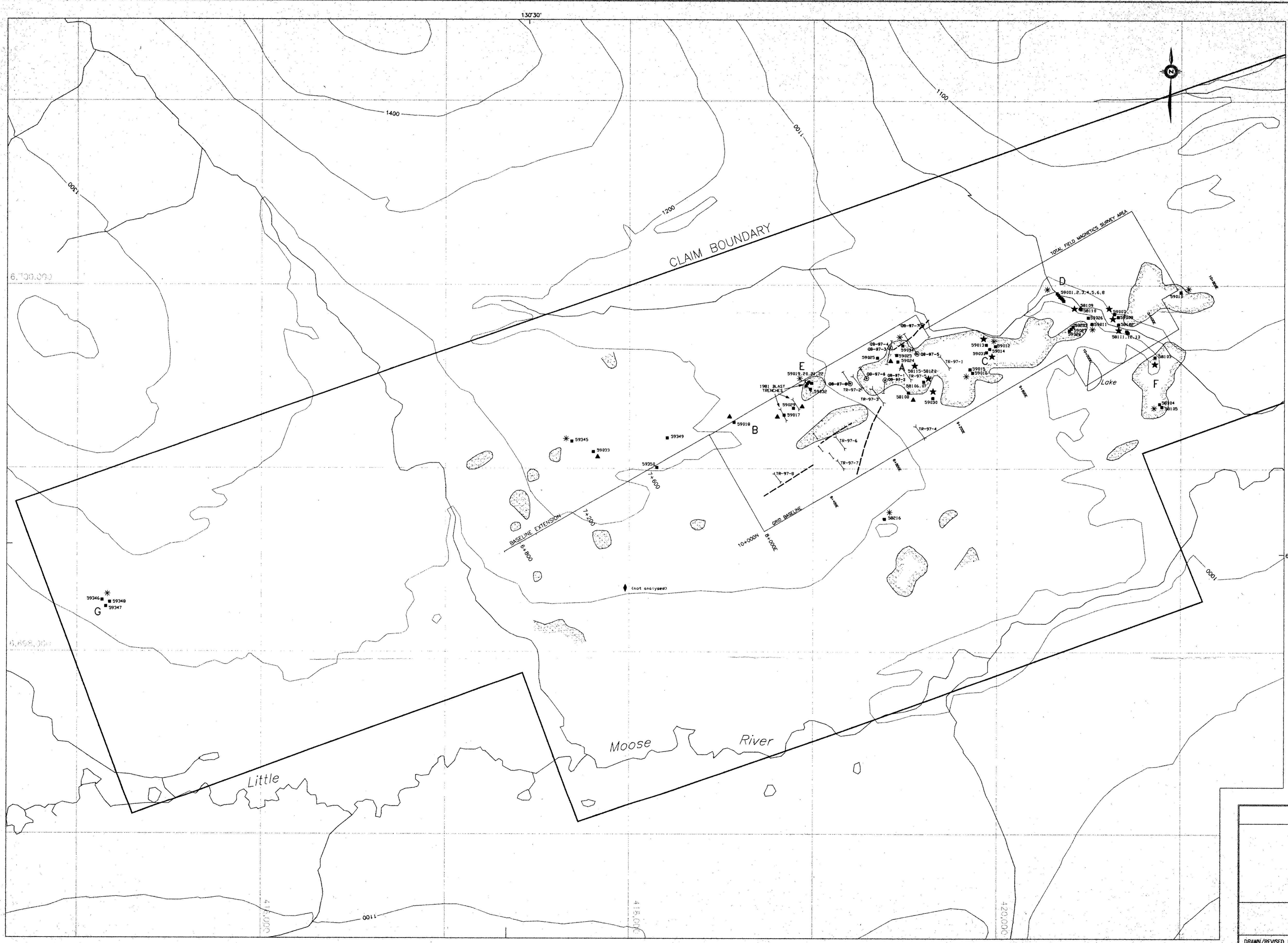
**PROPERTY GEOLOGY**  
QB PROPERTY

SCALE 1:10,000  
0 100 200 300 400 500m

DRAWN/REVISED BY: AG PROJECT:  
FILE: NORDACAD97\QB97GEO.DWG DATE: DECEMBER, 1987

DIAND - YUKON REGION LIBRARY

DWG 093 819



1996 AND 1997 SURFACE SAMPLES  
SIGNIFICANT ASSAYS

Area	Sample No.	Zn %	Pb %	Cu %	Ag g/t
A	58115	13.80	2.61	0.15	65.0
	58116	10.70	11.00	0.29	281.0
	58117	7.73	9.35	0.13	182.0
	58118	10.00	7.60	0.10	124.0
	58119	20.20	3.88	0.20	101.0
	58120	0.25	9.74	0.13	165.0
	58106	2.95	15.00	0.09	196.0
B	58107	7.60	5.08	0.10	64.8
	59017	12.60	9.74	0.06	778.3
	59018	7.66	2.36	0.06	726.8
D	59029	17.30	16.40	0.10	131.3
	58201	5.94	18.70	0.04	230.0
F	58103	3.58	1.33	0.09	53.7
	58104	0.78	4.25	0.11	104.0
	58105	0.59	0.22	0.05	26.3
G	59346	1.70	0.90	0.57	57.0
	59347	0.62	1.37	0.41	147.0
	59348	1.29	2.35	0.99	181.0

1997 SIGNIFICANT DRILL HOLE ASSAYS

Drill Hole	from (m)	to (m)	Sample Interval(m)	Sample No.	Zn %	Pb %	Cu %	Ag g/t
QB-97-4	28.04	29.86	1.82	59323	1.23	0.35	0.02	5.0
QB-97-4	74.78	75.08	0.30	59324	2.59	5.78	0.15	58.0
QB-97-5	57.13	57.63	0.50	59325	3.78	2.68	0.04	24.0
QB-97-6	85.97	86.96	0.99	59335	6.45	6.66	0.15	98.1
QB-97-7	97.96	98.46	0.50	59336	5.05	6.47	0.08	60.3
QB-97-8	73.30	75.05	1.75	59337	13.50	8.43	0.07	107.5
QB-97-8	67.67	69.20	1.53	59339	2.14	2.06	0.03	60.0

- C Mineralized area described in text
- 59329 Rock sample location with sample number
- ⬭ ≥100ppm Pb
- TR-97-8 1981, 1997 Trenches
- 1996 HLEM conductor
- ⊙ 1997 Diamond Drill Hole
- ★ Massive sulphide mineralization
- \* Vein/fracture mineralization
- ▲ Disseminated mineralization
- ♦ Stratabound mineralization

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**NORDAC RESOURCES LTD.**

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

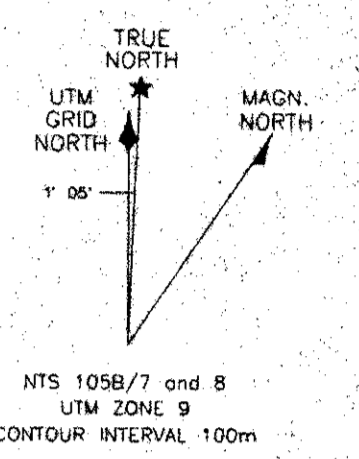
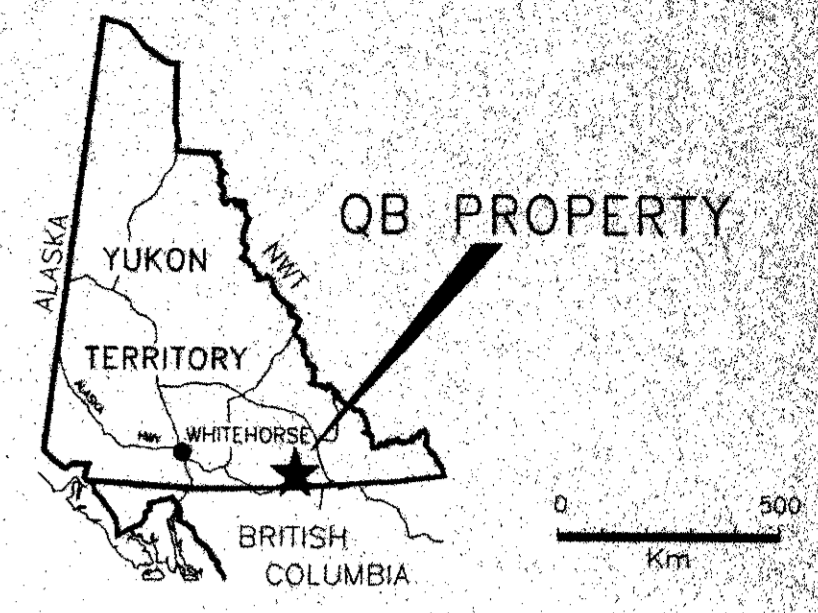
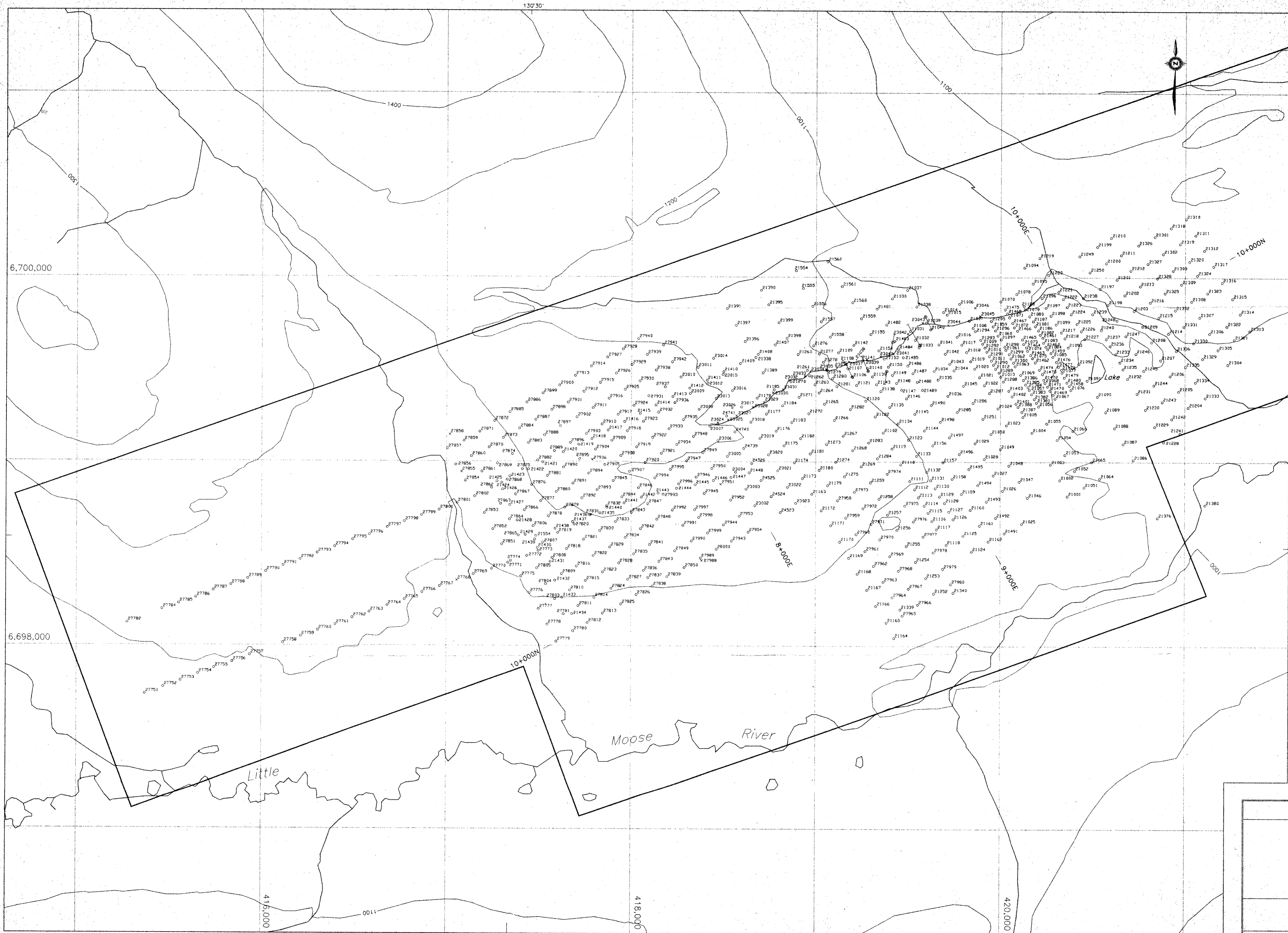
**COMPILATION MAP**

QB PROPERTY DWG 3

SCALE 1:10,000  
0 100 200 300 400 500m

DRAWN/REVISED BY: AG	PROJECT:
FILE: NOR\QB\ACAD97\QB97COMP.DWG	DATE: DECEMBER, 1997

DIAMOND - YUKON REGION, LIBRARY



**LEGEND**

- Claim boundary
- 1997 diamond drill hole
- 21310 Soil sample location with sample number
- 23031 Soil sample location with sample number

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**NORDAC RESOURCES LTD.**

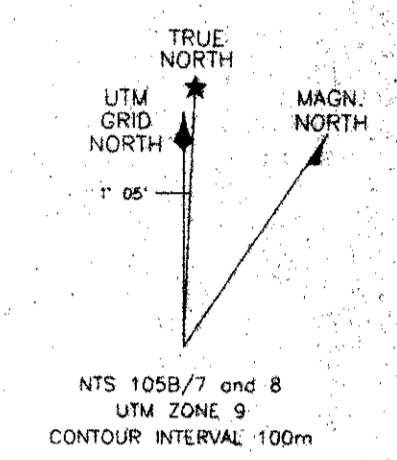
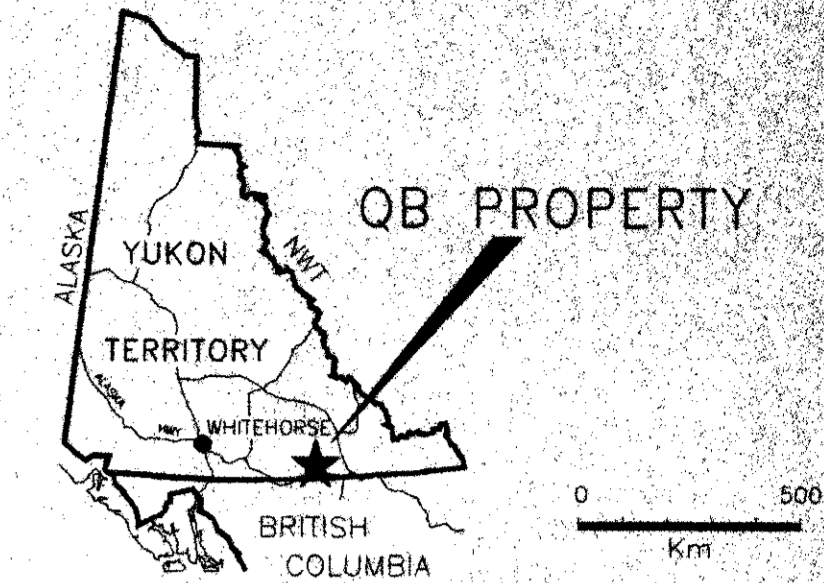
FIGURE 7  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SAMPLE LOCATION**

QB PROPERTY DWG H

SCALE 1:10,000  
0 100 200 300 400 500m

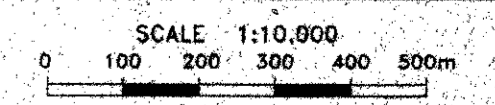
DRAWN/REVISED BY: AG	PROJECT:
FILE: NOR\QB\ACAD97\QB97-SL.DWG	DATE: DECEMBER 1997



- Claim boundary
- 1997 diamond drill hole
- <sup>528</sup> Soil sample location with lead value in ppm
- <sup>148</sup> Silt sample location with lead value in ppm
- ≥ 200 ppm Pb
- ≥ 100 < 200 ppm Pb
- ≥ 50 < 100 ppm Pb

NORDAC RESOURCES LTD.

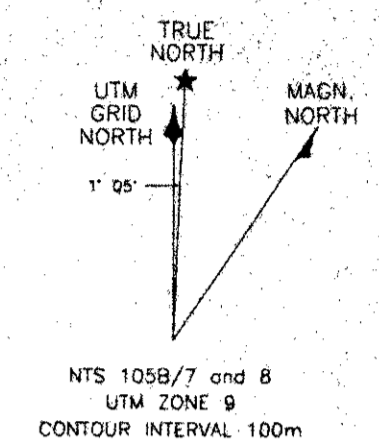
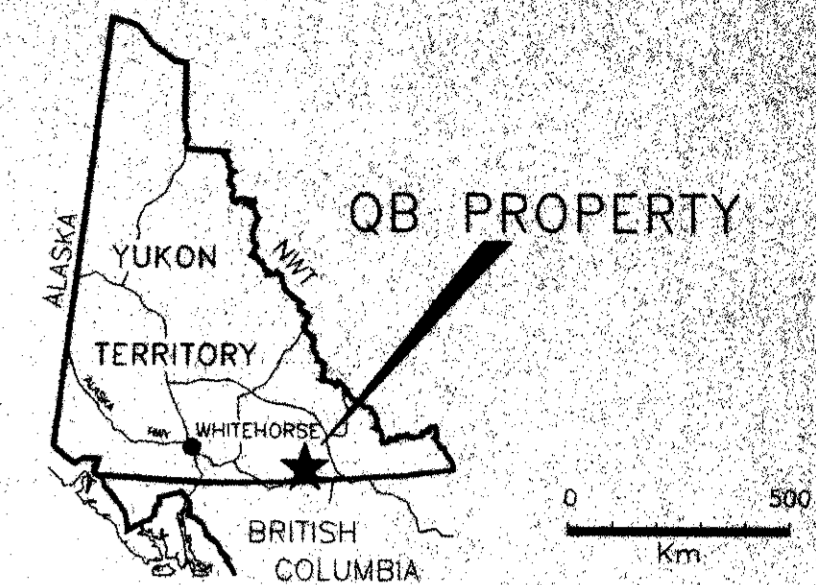
FIGURE 8  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD GEOCHEMISTRY**  
 QB PROPERTY



DRAWN/REVISED BY: AG PROJECT:  
 FILE: NORDAC\QB\CAD97\QB97-SLDWG DATE: DECEMBER 1997

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093819  
 DWG 5



- Claim boundary
  - 1997 diamond drill hole
  - <sup>1288</sup> Soil sample location with zinc value in ppm
  - x<sup>1150</sup> Silt sample location with zinc value in ppm
- |   |                     |
|---|---------------------|
| □ | ≥ 1000 ppm Zn       |
| □ | ≥ 500 < 1000 ppm Zn |
| □ | ≥ 200 < 500 ppm Zn  |

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DWG 10

**NORDAC RESOURCES LTD.**

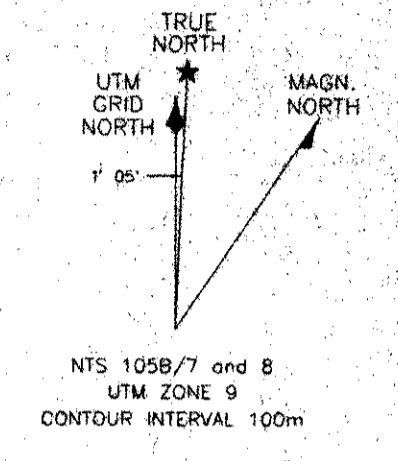
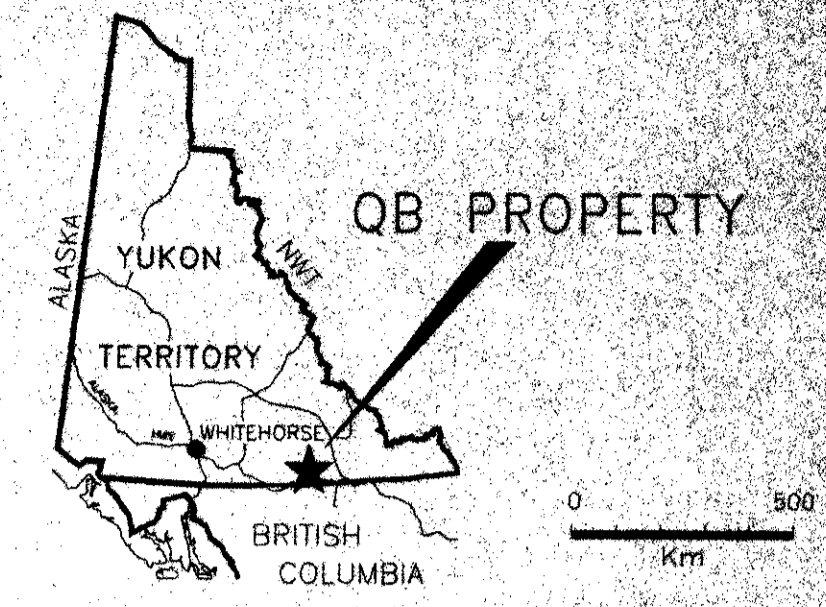
FIGURE 9  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**ZINC GEOCHEMISTRY**

QB PROPERTY

SCALE 1:10,000  
0 100 200 300 400 500m

DRAWN/REVISED BY: AG	PROJECT:
FILE: NOR\QB\ACAD97\0897-SLDWG	DATE: DECEMBER 1997



- Claim boundary
- 1997 diamond drill hole
- <sup>1.6</sup> Soil sample location with silver value in ppm
- <sup>0.4</sup> Silt sample location with silver value in ppm
- ≥ 2 ppm Ag
- ≥ 1 < 2 ppm Ag

093819  
DWG 7

**NORDAC RESOURCES LTD.**

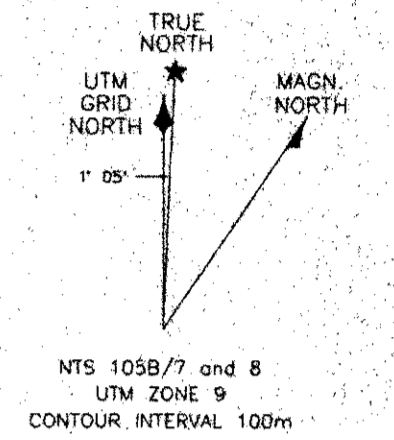
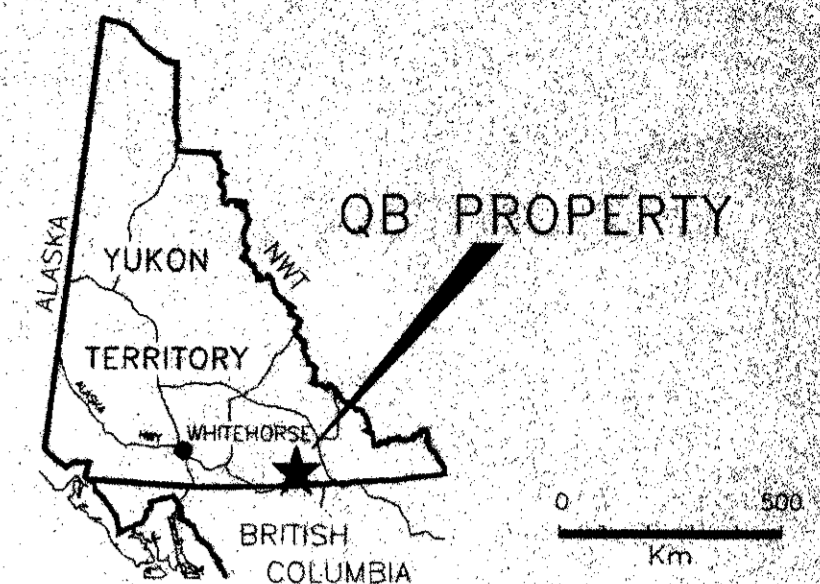
FIGURE 10  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**SILVER GEOCHEMISTRY**

QB PROPERTY

SCALE 1:10,000  
0 100 200 300 400 500m

DRAWN/REVISED BY: AG	PROJECT:
FILE: NOR\QB\ACAD\97\QB97-SL.DWG	DATE: DECEMBER, 1997



- Claim boundary
  - 1997 diamond drill hole
  - <sup>88</sup> Soil sample location with copper value in ppm
  - <sup>14</sup> Silt sample location with copper value in ppm
- 
- ≥ 200 ppm Cu
  - ≥ 100 < 200 ppm Cu
  - ≥ 50 < 100 ppm Cu

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DWG 8

**NORDAC RESOURCES LTD.**

FIGURE 11  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**COPPER GEOCHEMISTRY**

QB PROPERTY

SCALE 1:10,000  
0 100 200 300 400 500m

DRAWN/REVISED BY: AG	PROJECT:
FILE: NOR\QB\ACAD97\0897-SL.DWG	DATE: DECEMBER 1997