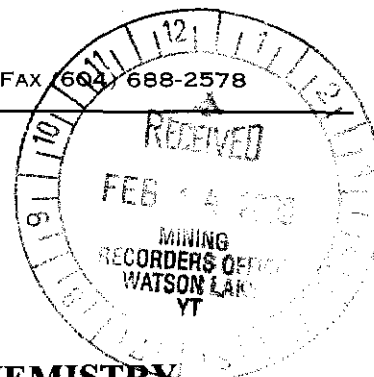


ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016 - 510 WEST HASTINGS STREET, VANCOUVER, B.C. V6B 1L8 TEL (604) 688-2568 • FAX (604) 688-2578



ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING, SOIL GEOCHEMISTRY AND HAND TRENCHING

on the

QB PROPERTY

QB 1-28	YB75490-YB75517
29-104	YB83119-YB83194
105-124	YB90003-YB90022
125-128	YB91816-YB91819

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.

T. C. Becker, B.Sc., P.Geo
January, 2000

094 078

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work to the amount
of \$ 17,800

M. B. ...
Regional Manager, Exploration and
Geological Activities for Commissioner,
of Yukon Territory.

TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY AND RECOMMENDATIONS	1
INTRODUCTION	3
PREVIOUS WORK	3
PROPERTY, LOCATION AND ACCESS	5
GEOMORPHOLOGY	6
REGIONAL GEOLOGY	6
REGIONAL MINERALIZATION	7
PROPERTY GEOLOGY	7
PROPERTY GEOCHEMISTRY	9
MINERALIZATION AND HAND TRENCHING	10
DISCUSSION AND CONCLUSIONS	12
SELECTED REFERENCES	13

APPENDICES

- I AUTHOR'S STATEMENT OF QUALIFICATIONS
- II CERTIFICATES OF ANALYSIS

FIGURES

<u>NO.</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
1	Historical Compilation	Following Page 3
2	Property Location	Following Page 5
3	Claim Location	Following Page 5
4	Tectonic Setting	Following Page 6
5	Regional Geology	Following Page 6
6	Geology - West Grid	Following Page 8
7	Geology - West Grid Detail	Following Page 8
8	Sample Location - West Grid.....	Following Page 9
9	Lead Geochemistry - West Grid	Following Page 9
10	TR98-03 - West Grid Detail.....	Following Page 10
11	TR98-04 - West Grid Detail.....	Following Page 10
12	TR98-06 - West Grid Detail.....	Following Page 10
13	Foliation Stereonet.....	Following Page 11
14	Joint Stereonet.....	Following Page 11

SUMMARY AND RECOMMENDATIONS

Nordac Resources Ltd. has a 100% interest in the QB property which consists of 128 claims covering 2270 hectares. Exploration has identified a 200 to 600 m wide band of anomalous lead and zinc soil geochemical response that extends 5000 m northeasterly across the property. Within this band prospecting has located numerous float samples and bedrock exposures of lead-zinc-silver mineralization.

The property is located in the Rancheria area of southern Yukon, 260 km east of Whitehorse. The Alaska Highway lies about 30 km to the south. Access is by helicopter from the abandoned Silver Hart Camp which is 12 km to the southwest at the end of a 40 km road extending north from Km 1160 on the Alaska Highway. A 38 km bulldozer trail starting at Km 1107 on the Alaska Highway can be used during the winter months to mobilize heavy equipment to the property.

The claim block is situated within low rolling hills on the eastern edge of the Cassiar Mountains immediately west of the Liard Plain. Topography on most parts of the claim block is gentle and elevations range from 980 to 1240 m. Soil development is good with glacial till over most of the property. Ice movement was from west to east. The entire property lies below treeline and is heavily vegetated.

The property lies within a belt of metamorphic rocks belonging to the Cassiar Platform that has been extensively intruded by Jurassic to Cretaceous plutons. The metamorphic rocks consist of schists, carbonate rich metasediments and minor skarns. Two granodiorite batholiths lie within 5 km of the property but only narrow, discontinuous felsic dykes have been found on the claims.

The Cassiar Platform and intrusive rocks of the Rancheria area are host to numerous mineral occurrences including silver-zinc-lead±copper±gold veins, carbonate hosted silver-zinc-lead replacement bodies and tin-tungsten±zinc±copper skarns. The most common showing consists silver-zinc-lead minerals in northeast trending quartz veins. Silver-zinc-lead replacement bodies occur at the intersection of veins or faults with carbonate rich metasediments. Tin and tungsten mineralization has been found within skarn horizons developed when carbonate rich metasediments are located near intrusive bodies. The most significant occurrences in the area are the Logan Deposit, which lies 5 km north of the property and hosts 12.3 million tonnes grading 6.17% zinc and 26 g/t silver, and the Silvertip Deposit which is located 55 km to the southeast and contains 2.57 million tonnes grading 8.8% zinc, 6.4% lead and 325 g/t silver.

Exploration programs by Nordac in 1996 and 1997 focused on the central area of the property while work in 1998 and 1999 tested an area approximately 4 km to the west. Work in 1996 defined a large soil geochemical anomaly and located silver-zinc-lead bearing massive sulphide float within it. The 1997 exploration program included excavator trenching and diamond drilling.

Trenching was relatively ineffective because glacial till depth often exceeded the depth limitation of the excavator but did locate abundant mineralized float within the till. Many of the drill holes intersected massive, semi-massive or fracture mineralization in breccia zones within limestone horizons but none of the intersections adequately explained the mineralized float observed in the trenches. The best drill intersection graded 13.5% zinc, 8.43% lead and 107.5 g/t silver over 1.75 m.

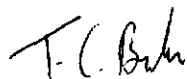
The 1998 and 1999 exploration programs were designed to test the western end of the property where reconnaissance geochemical lines and prospecting had previously identified an interesting target. Grid soil sampling in 1998 successfully outlined four areas of anomalous multi-element geochemical response which are shadowed by a broad band of weaker response down-ice to the east. Mineralized float or outcrops were found in each of the four geochemical anomalies. The mineralization is associated with jasperoid altered limestone and consists of galena, sphalerite, chalcopyrite, pyrite and/or pyrrhotite plus secondary minerals in weathered rock.

The 1999 program consisted of geological mapping, prospecting, soil sampling and extensions of hand trenches started in 1998. Chip samples yielded encouraging results with the best assays coming from a hand trench that averaged 155.3 g/t silver, 2.6% lead, 0.8% zinc and 0.34% copper over 16.5 m. Soil sampling identified a fifth soil geochemical anomaly on the northern edge of the claim block. The large size and strength of the geochemical anomalies, coupled with the high silver to base metal ratios, indicate significant economic potential on the property.

Future exploration should focus on carbonate hosted silver-zinc-lead replacement mineralization located in the central and western parts of the property. The work should consist of diamond drilling in both of these areas, which should be done in conjunction with additional geological mapping, prospecting and hand trenching.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



T. C. Becker, B.Sc., P.Geo.

INTRODUCTION

The QB property consists of 128 mineral claims owned 100% by Nordac Resources Ltd. The claims protect a number of silver-zinc-lead soil geochemical anomalies and showings. Exploration programs by Nordac in 1996 and 1997 focused on the central area of the property while work in 1998 and 1999 tested an area approximately 4 km to the west.

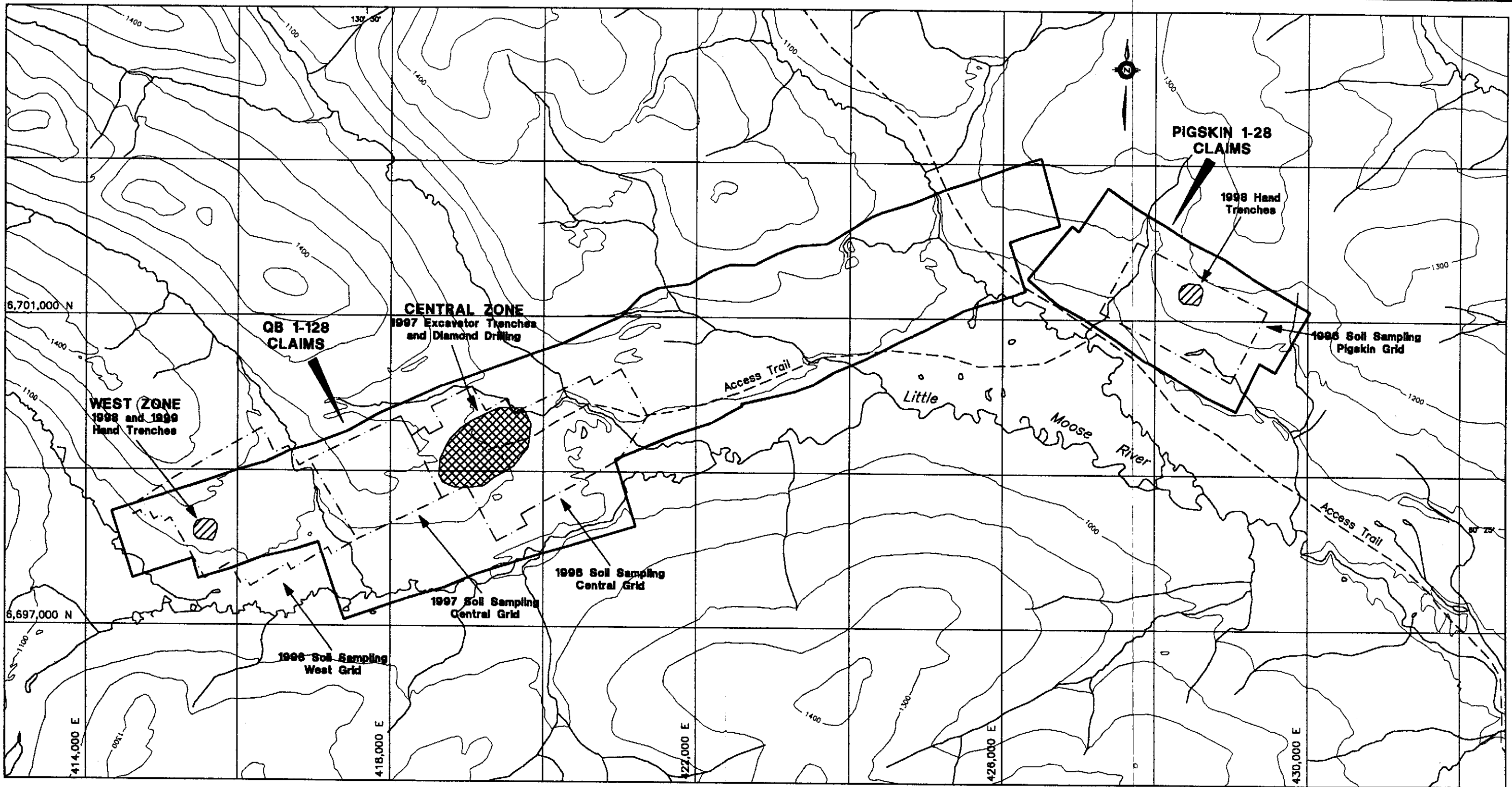
This report describes a ten day field program conducted in late June to early July 1999. The work was done from a two-person fly camp located on the property and included geological mapping, prospecting, soil sampling and hand trenching. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

PREVIOUS WORK

The central part of 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 a joint venture between Amax Exploration Limited and Pan Ocean Oil 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. A compilation of the work performed by Nordac on the QB property and the adjacent Pigskin property is shown in Figure 1. Work on the Pigskin property is described in separate reports by Wengzynowski, 1997 and Becker, 1999a.

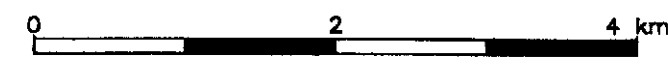
During June 1996 a crew performed geological mapping and prospecting plus reconnaissance and grid soil geochemical sampling mainly in the central portion of the QB property (Wengzynowski, 1997). The grid soil sampling outlined a 2400 by 500 m easterly trending lead-zinc target with a strongly anomalous 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



— Approximate claim outline

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FIGURE 1
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
HISTORICAL COMPILATION
 QB PROPERTY



DRAWN/REVISED BY: TCB	PROJECT: RANCHERIA
FILE: NORDAC\QB\ACAD99\QB-COMP.DWG	DATE: JANUARY, 2000

geochemical anomaly returned arithmetic averages of 9.98% zinc, 9.10% lead, 0.13% copper and 143.9 g/t silver. Mineral textures and radiogenic lead isotope data suggested that the float may have been derived from a manto replacement-type deposit.

A ground geophysical program consisting of 16.7 line km of HLEM and magnetometer surveys was conducted by Amerok Geosciences Ltd. at the same time as the soil sampling (Wengzynowski, 1997). The magnetometer survey produced only erratic spot highs while the HLEM survey identified four subparallel conductors, each ≤ 400 m in length.

Mechanized exploration in 1997 tested the previously outlined lead-zinc soil geochemical anomaly and attempted to locate the source of the massive sulphide float boulders. The program consisted of 1100 m of excavator trenching and 994 m of diamond drilling (Wengzynowski, 1998). The trenches were widely spaced along an 1100 m section of the soil geochemical anomaly. Although abundant mineralized float was found in the glacial till profile no significant mineralization was exposed in bedrock. Only intermittent bedrock was encountered in most trenches and all trenches in the core of the anomaly bottomed in till.

Eight diamond drill holes were located along a 500 m section of the anomaly (Central Zone) and tested beneath the glacial till which hosts the mineralized float boulders. The first three holes encountered only minor fracture mineralization but provided information about overburden depth and bedrock foliation. Subsequent holes intersected multiple zones of moderate to intense faulting with associated brecciation. These holes also contained massive, semi-massive and fracture mineralization usually in breccia zones within limestone horizons. The best intersection was in hole QB97-8 which averaged 3.20% zinc, 1.52% lead and 25.2 g/t silver over 11.93 m, including 1.75 m grading 13.50% zinc, 8.43% lead and 107.5 g/t silver. The massive sulphide intersections were all too narrow to adequately explain the abundant mineralized float observed in the excavator trenches.

In September 1997 geological mapping, prospecting and reconnaissance and grid soil sampling were performed west of the 1996 grid (Wengzynowski, 1998). The new grid covered a 1200 by 1200 m area. The work extended the zone of anomalous lead-zinc response on the 1996 grid across the full length of the 1997 grid but did not identify any values as strong as those in the 800 by 200 m core area. Reconnaissance samples taken along two claim lines for a distance of about 2000 m west of the 1997 grid returned scattered, weakly to strongly anomalous silver, lead and zinc values. Prospecting done in conjunction with the reconnaissance soil sampling discovered an area of mineralized float, a specimen of which returned 181.0 g/t silver, 2.35% lead, 1.29% zinc and 0.99% copper. The 1998 program was conducted in the vicinity of this showing.

The 1998 program consisted of geological mapping, prospecting, grid soil sampling and hand trenching on the West Grid (Becker, 1999b). The West Grid covered a 1800 by 2000 m area enlarging the total area of soil geochemical coverage to about 6000 by 2000 m. The work

outlined four areas of anomalous multi-element geochemical response and identified mineralized float or bedrock in each area (West Zone). The mineralization is associated with jasperoid altered limestone which is usually strongly oxidized and probably leached. Residual sulphides are present in some specimens and galena, sphalerite, chalcopyrite, pyrite and/or pyrrhotite. Chip samples returned encouraging results with the best values coming from a hand trench in Showing A which averaged 151.1 g/t silver, 2.52% lead, 0.91% zinc and 0.34% copper over 15 m. The 1999 program was focussed on Showings A and C in the West Zone.

PROPERTY, LOCATION AND ACCESS

The QB property is located in the Rancheria area of southern Yukon at latitude 60°26'N and longitude 130°26'W on NTS map sheets 105B/7 and 8 (Figure 2). It is comprised of 128 contiguous mineral claims (Figure 3) 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, 2008
29-60	YB83119-YB83150	February 15, 2008
61-104	YB83151-YB83194	February 15, 2006
105-124	YB90003-YB90022	February 15, 2008
125-128	YB91816-YB91819	February 15, 2008

*Expiry dates include 1999 assessment work which has been filed but not yet accepted.

In 1999 the camp was mobilized 32 km by helicopter from a gravel pit located at Km 1107 on the Alaska Highway. Camp was demobilized to the abandoned Silver Hart Camp, which lies 12 km southwest of the property at the end of a 40 km road extending north from Km 1160 on the Alaska Highway. Helicopter support was provided by a Bell 206 Jet Ranger operated by Trans North Helicopters from a permanent base at Watson Lake, 120 km east of the property.

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

QB PROPERTY

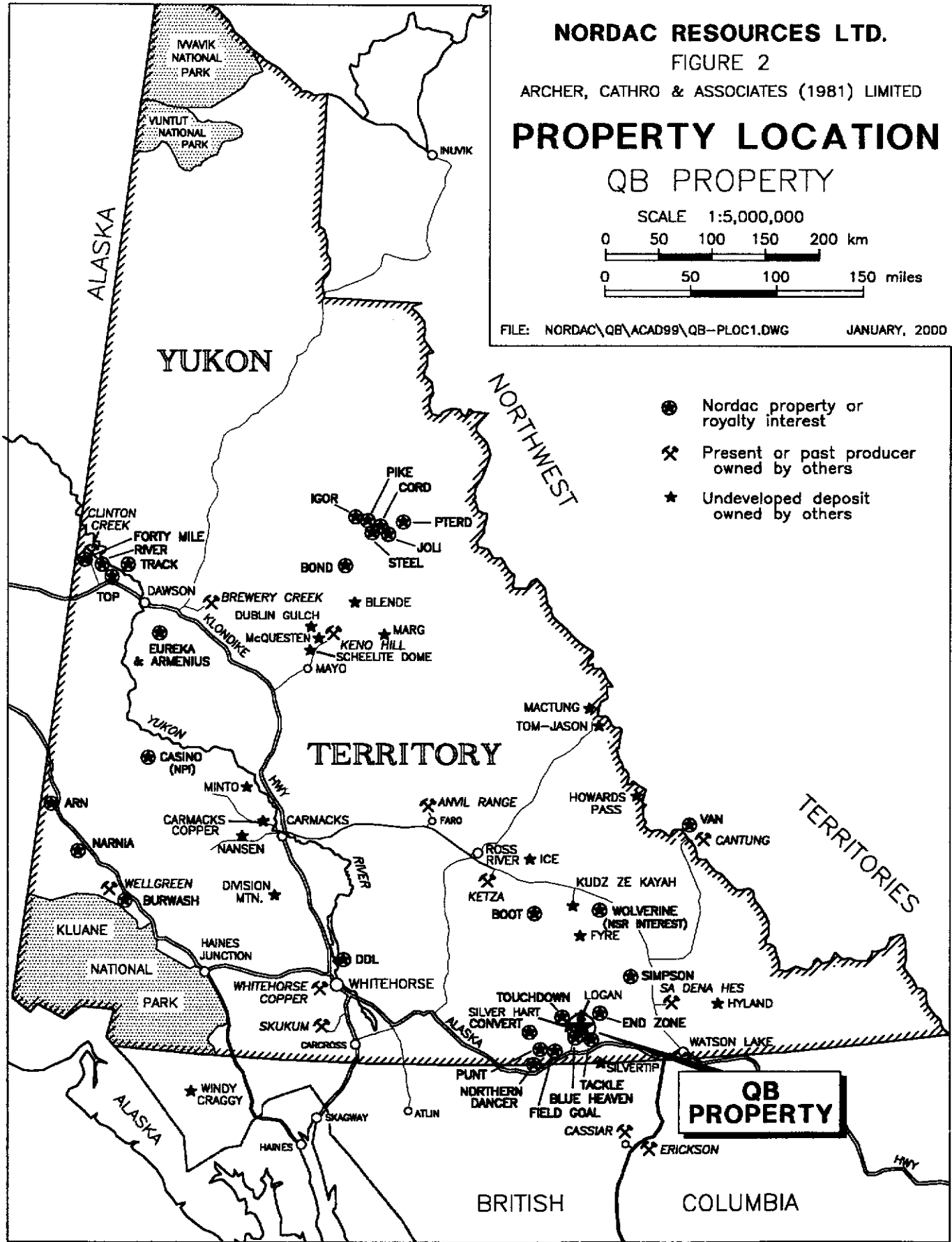
SCALE 1:5,000,000

0 50 100 150 200 km

0 50 100 150 miles

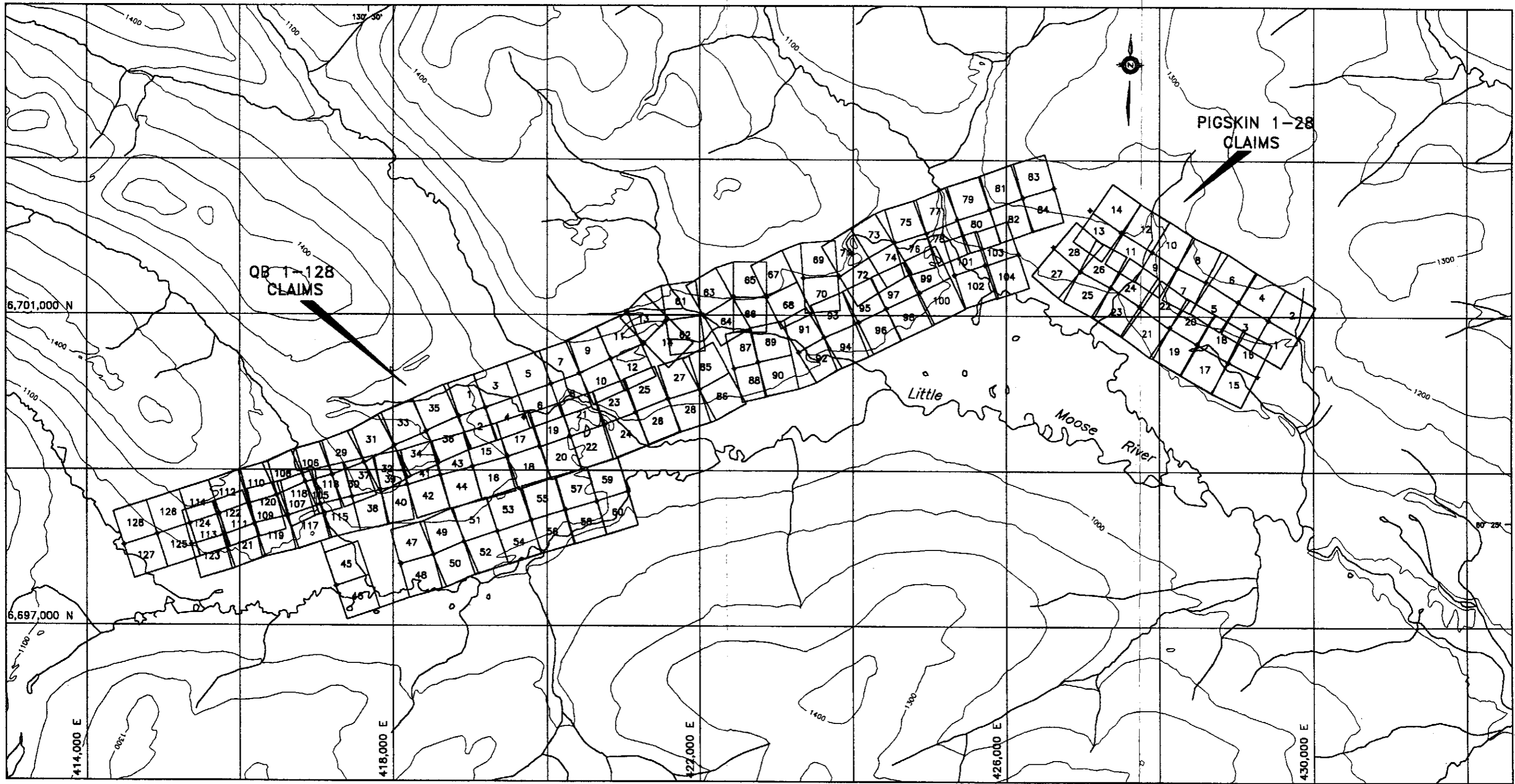
FILE: NORDAC\QB\ACAD99\QB-PLOC1.DWG

JANUARY, 2000



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

QB PROPERTY



- ⊕ Post location with standard GPS fix
- ⊕ Post location with poor GPS fix
- ⊕ Post location with uncorrected or no GPS fix

NORDAC RESOURCES LTD.	
FIGURE 3 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
CLAIM LOCATION QB PROPERTY	
DRAWN/REVISED BY: TCB	PROJECT: RANCHERIA
FILE: NORDAC\QB\ACAD99\QB-CLAIM.DWG	DATE: JANUARY, 2000

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.

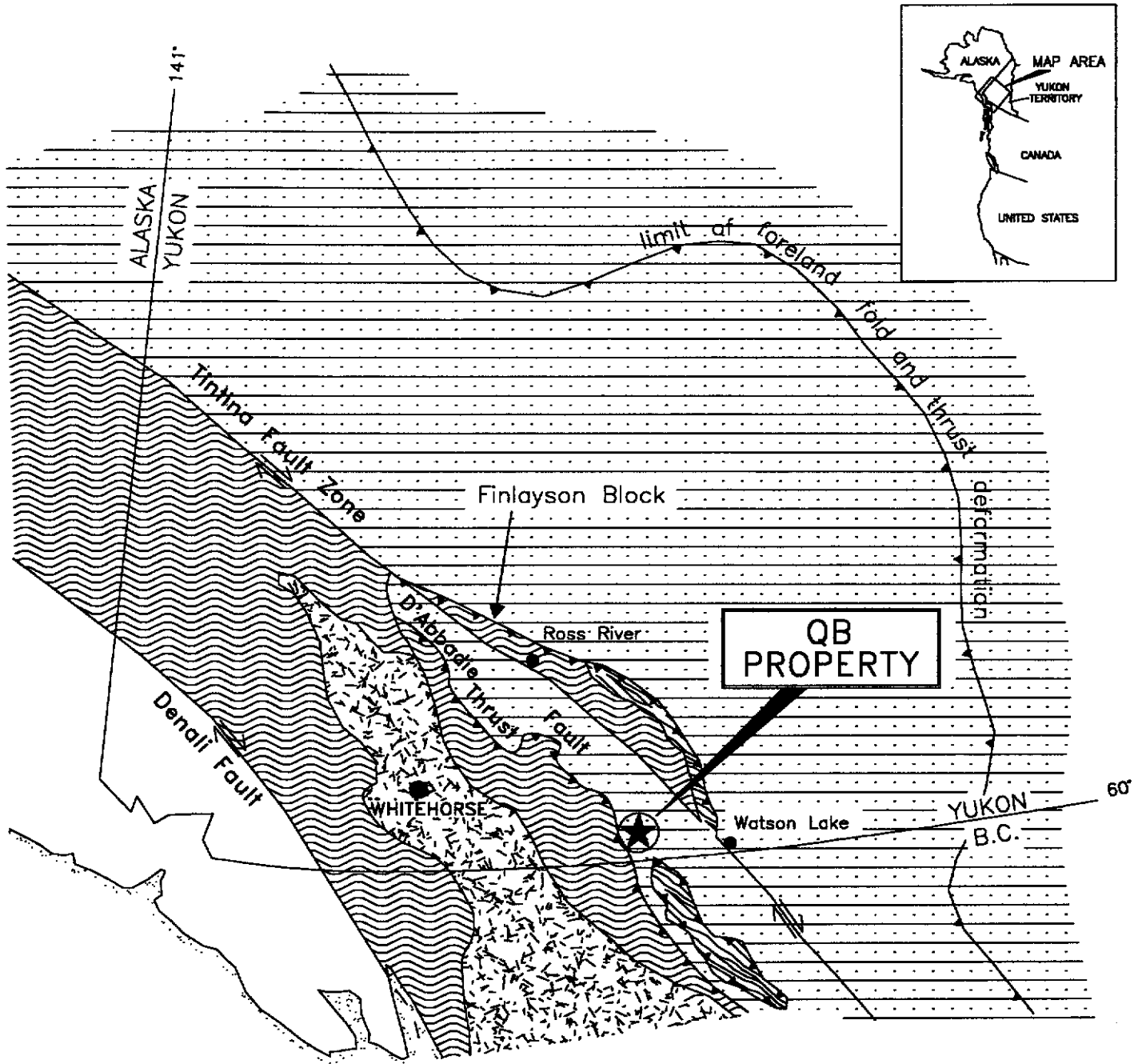
REGIONAL GEOLOGY







The QB property lies within the Cassiar Platform which together with units of the Yukon-Tanana Terrane form a belt of metamorphic rocks extending from northern B.C. across the Yukon into Alaska (Figure 4). 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 Big Salmon Fault (Keijzer, et al, 1999).


Cassiar Platform and Yukon-Tanana Terrane rocks are composed of Paleozoic stratigraphy which has been intruded by Jurassic to Cretaceous plutons as illustrated on Figure 5. Both of the major geological packages 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. Although rocks of the Cassiar Platform and Yukon-Tanana Terrane are generally similar and approximately the same age, the two packages are distinguished by higher proportions of carbonate strata in the Cassiar Platform and metavolcanics in the Yukon-Tanana Terrane.

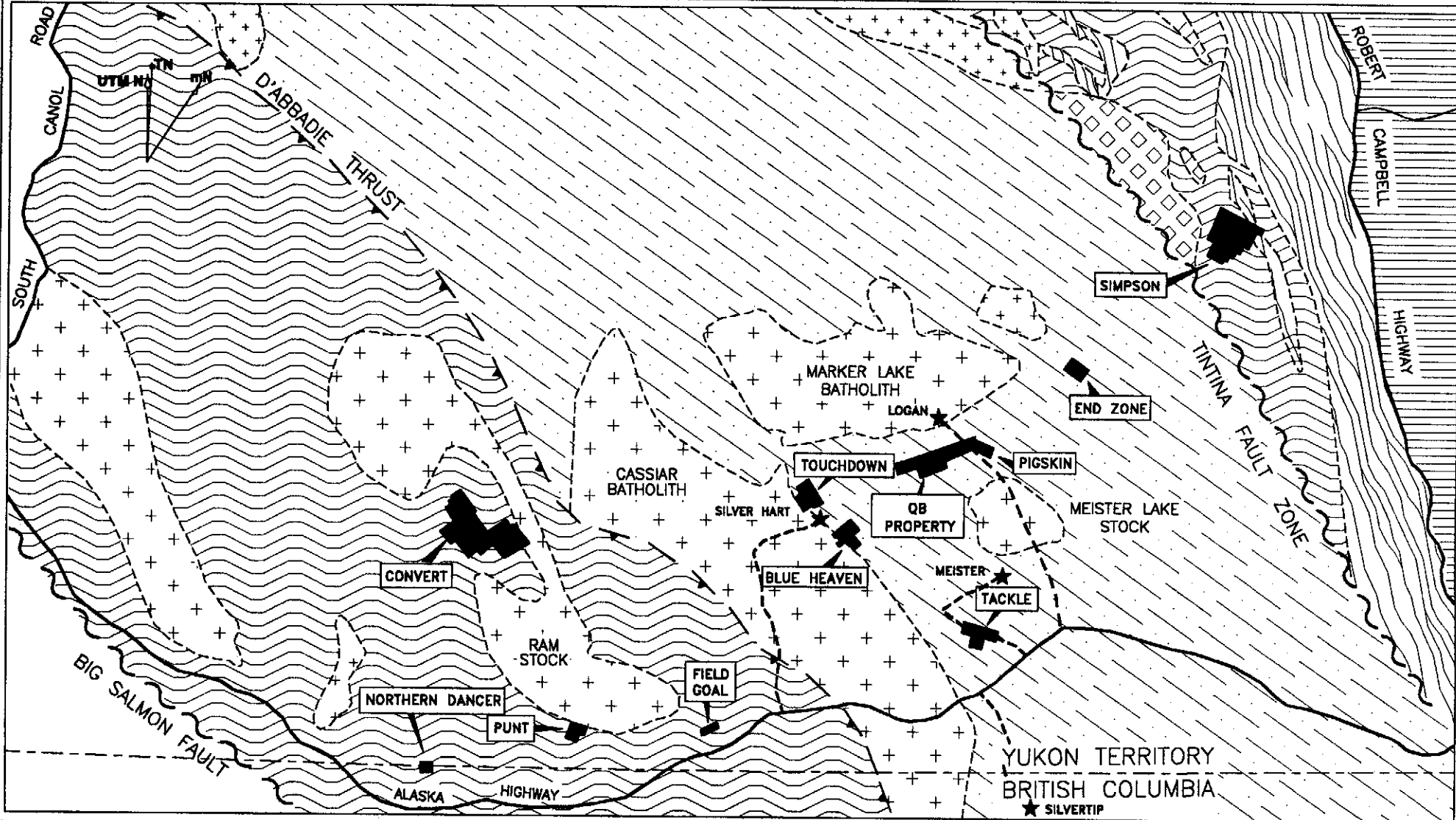
The QB property lies within a triangle formed by the Cassiar Batholith, Marker Lake Batholith and Meister Lake Stock. These intrusions are Cretaceous in age and unfoliated. They range in composition from granite to granodiorite with less common quartz monzonite (Lowey and Lowey, 1986). Roof pendants of schist and carbonate are present within some intrusions. The thermal metamorphic aureole surrounding the plutons has not been mapped in detail but



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

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FIGURE 4	
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
TECTONIC SETTING	
QB PROPERTY	
 0 100 200 300 400 KILOMETRES	
DRAWN/REVISED BY: TCB/AG	PROJECT:
FILE: NORDAC\QB\ACAD99\QB-TECTO	DATE: JANUARY, 2000

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



North American Miogeocline

Pre-Triassic sedimentary and volcanic rocks

Slide Mountain Terrane

Chert, ultramafic, 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

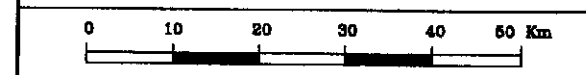
Property owned by Nordac Resources Ltd.

Deposit owned by others

Access road to property

NORDAC RESOURCES LTD.

FIGURE 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
 QB PROPERTY



appears to extend a number of kilometres into the metasediments. The schists are relatively unaffected but calc-silicate alteration is common in carbonate rich units. Well developed skarns have been discovered in several areas, usually within a kilometre of a pluton.

Geology in the Rancheria area was mapped at 1:250,000 scale in 1960 by the Geological Survey of Canada (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.

REGIONAL MINERALIZATION

The Cassiar Platform and intrusive rocks of the Rancheria area are host to numerous mineral occurrences including: silver-zinc-lead±copper±gold veins, tin-tungsten±zinc±copper skarns, and silver-zinc-lead 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 and underground development have outlined a mineral resource of 2.57 million tonnes with an average grade of 8.8% zinc, 6.4% lead, 325 g/t silver 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 5.

PROPERTY GEOLOGY

Bedrock exposure on the property is poor (<5%) and is generally restricted to creek cuts or small windows through the glacial till cover. Most of the property is underlain by schists that are believed to be Cambrian in age (Lowey and Lowey, 1986). Limestone is interbedded with the schist forming horizons up to 100 m thick. The only intrusive rocks observed are narrow felsic dykes. The lack of exposure in most parts of the property limits structural interpretation. In the core of the Central Grid, trenching and drilling have enhanced the understanding of local structures and stratigraphy suggesting the existence of a relatively open synformal structure (Wengzynowski, 1998). Foliation is well developed in most units and parallels compositional layering.

Geology at the West Grid is shown on Figure 6 while an area of detailed mapping appears on Figure 7. The main rock types recognized on the property are described below. Although the schist units are described separately, they are not subdivided on maps.

Quartz-muscovite±biotite±feldspar schist is the most common schist unit. It 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 sweets 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 and chlorite contents are variable ranging from 0 to 30%.

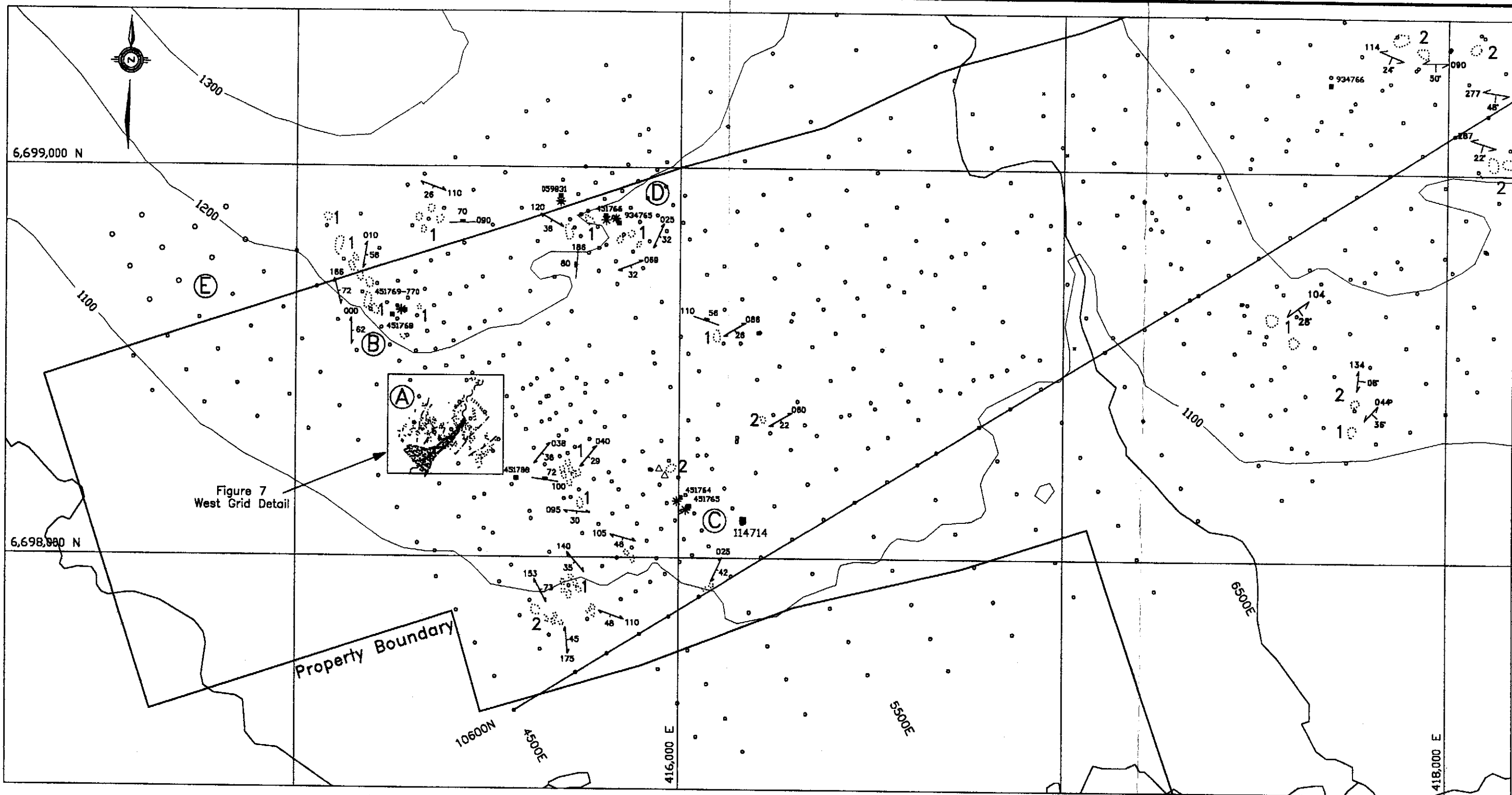
Quartz-muscovite schist is light grey-green and mostly occurs as thin, 1 to 15 cm interfoliations within limestone. This unit is commonly calcareous and is the least common of the schist units.

Limestone is either white and coarsely crystalline or pale greenish grey and fine grained. The finer grained material contains biotite and muscovite along schistose partings and laminations. In the vicinity of the mineral occurrences the limestone is often intensely silicified (jasperoid) and brecciated. Contacts between fresh limestone and silica altered zones are usually gradational.

Felsic dyke is composed of a fine to medium grained, light grey groundmass with rounded phenocrysts of quartz and feldspar up to 2 mm in diameter. This unit is not common and has only been found as local concentrations of float.

Most topographic linears on the property are best seen on air photos and are interpreted as steep faults that trend easterly. 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 (Wengzynowski, 1998).

Only one fault has been inferred in the West Grid area. Its surface trace follows a topographic linear located immediately southeast of the main mineral occurrence and alteration zone (Showing A). This linear projects downhill into a till covered area featuring a vegetation depleted "kill zone". Foliation orientations and rock type differ across the fault. Based on deflection of its surface trace by topography, the fault appears to strike easterly to northeasterly with a shallow southerly dip. This orientation is supported by measurements on jointing along the north side of the structure which average about 065/35°S.



- | | | | |
|-----------------|------------------------------|---------------|--|
| 1 | Schist | 114714 | 1999 rock sample location with sample number |
| 2 | Limestone | 948765 | 1998 rock sample location with sample number |
| △△△ | Felsic dyke | ○ | Soil sample location |
| (A) | Showing, referred to in text | * | Mineralized float |
| → 42 080 | Foliation with orientation | ○ | Outcrop |
| → 110 88 | Jointing with orientation | ~ ~ | Inferred fault |
| | | --- | Assumed geological contact |
| | | | Kill zone |

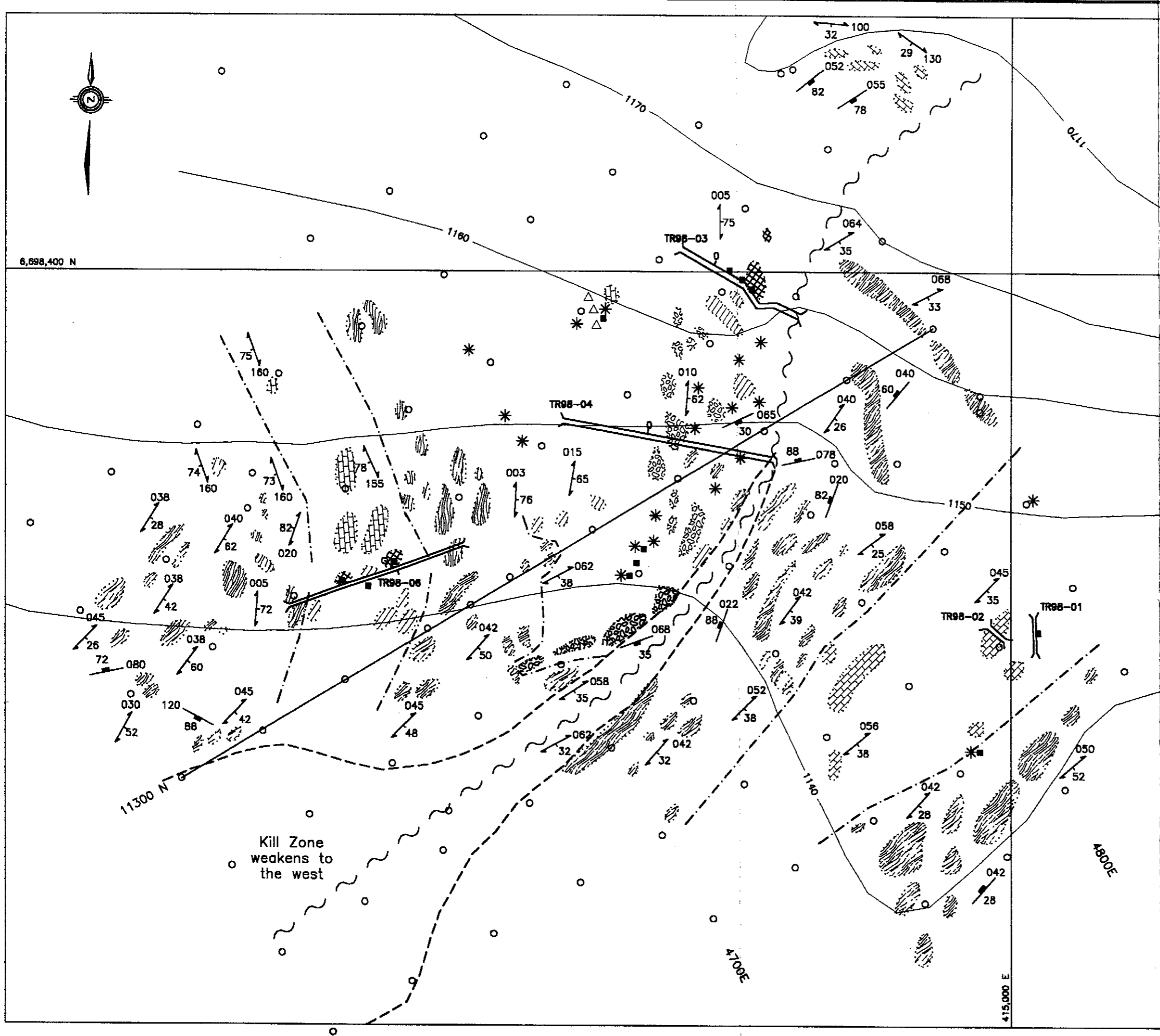
NORDAC RESOURCES LTD.







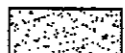
FIGURE 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED






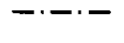
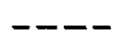
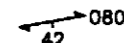
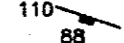
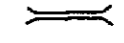
GEOLOGY
WEST GRID
QB PROPERTY

0 500 m


DRAWN/REVISED BY: TCB	PROJECT: RANCHERIA
FILE: NORDAC\QB\ACAD99\QB-GEO.DWG	DATE: JANUARY, 2000



-  Schist
-  Felsic dyke
-  Limestone, fresh
-  Mineralized & altered limestone
-  Weakly mineralized and altered limestone
-  Altered limestone
-  Weakly altered limestone

-  451777 Rock sample location with sample number
-  Soil sample location
-  Mineralized float
-  Outcrop
-  Inferred fault
-  Assumed geological contact
-  Kill zone
-  080 Foliation with orientation
-  110 88 Jointing with orientation
-  1998 hand trench

Kill Zone weakens to the west

NORDAC RESOURCES LTD.	
FIGURE 7 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
GEOLOGY	
WEST GRID DETAIL	
QB PROPERTY	
	
DRAWN/REVISED BY: TCB	PROJECT:
FILE: NORDAC\QB\ACAD89\QB-DET.DWG	DATE: JANUARY, 2000

PROPERTY GEOCHEMISTRY

In 1999 ten soil samples were collected along the northwest side of the West Grid in an area where 1998 samples returned anomalous values. Soil sampling was done along extensions of 1998 soil lines. The 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 wooden lath.

All samples were sent to Chemex Labs in North Vancouver where they were screened to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. The 1996, 1997, 1998 and 1999 stream sediment and soil sample locations for the West Grid are shown on Figure 8 while lead geochemical values are shown on Figure 9. Certificates of Analysis for the 1999 samples are contained in Appendix II. Anomalous thresholds and peak values for four indicator elements (silver, lead, zinc and copper) are as follows.

Anomalous Thresholds (ppm) and Peak Values (ppm)

<u>Element</u>	<u>Weak</u>	<u>Moderate</u>	<u>Strong</u>	<u>Peak</u>
Silver	1	2	5	318
Lead	50	100	200	61,100
Zinc	200	500	1000	25,500
Copper	50	100	200	9,800

Grid soil geochemistry now covers a 6000 by 2000 m area in the central and western parts 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 a 450 by 450 m area identified in 1998 on the West Grid while the second strongest is the 800 by 200 m area identified in 1996. Although copper and silver analyses from most parts of the grid returned background to weakly anomalous response, areas of the West Grid yielded strongly anomalous values.

Five areas of strong geochemical response have been identified on the West Grid. Four of these areas also contain mineralized float and/or outcrops as described in Becker, 1999b. The fifth area (E) is a cluster of anomalous samples in the northwest corner of the grid that was indicated by a few 1998 samples and better defined by the 1999 sampling. The area is 450 by 350 m and is characterized by strongly anomalous lead values with weakly anomalous zinc and copper support. No mineralization has been discovered in this area and its relationship to the known occurrences is uncertain. The anomalous values are up-ice from the known occurrences and lie west of the projected trace of the mineralized horizons.

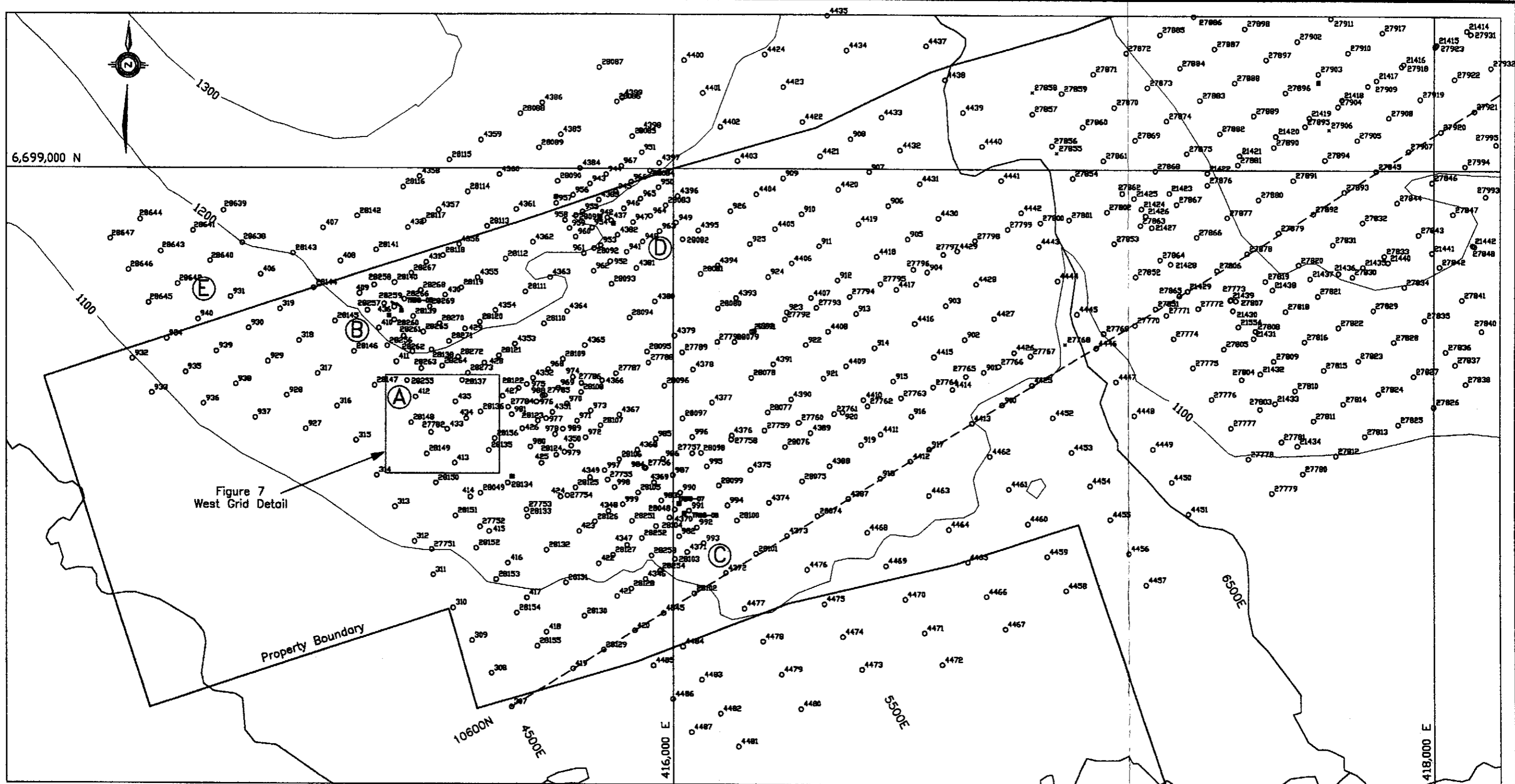


Figure 7
West Grid Detail

○ 12765 Sample location with sample number

■ Rock sample location (see Figure 6 for sample numbers)

— 1998 hand trench

Ⓐ Showing, referred to in text

NORDAC RESOURCES LTD.	
FIGURE 8 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
SAMPLE LOCATION WEST GRID QB PROPERTY	
0 500 m	
DRAWN/REVISED BY: TCB	PROJECT:
FILE: NORDAC\QB\ACAD89\QB-SNO.DWG	DATE: JANUARY, 2000

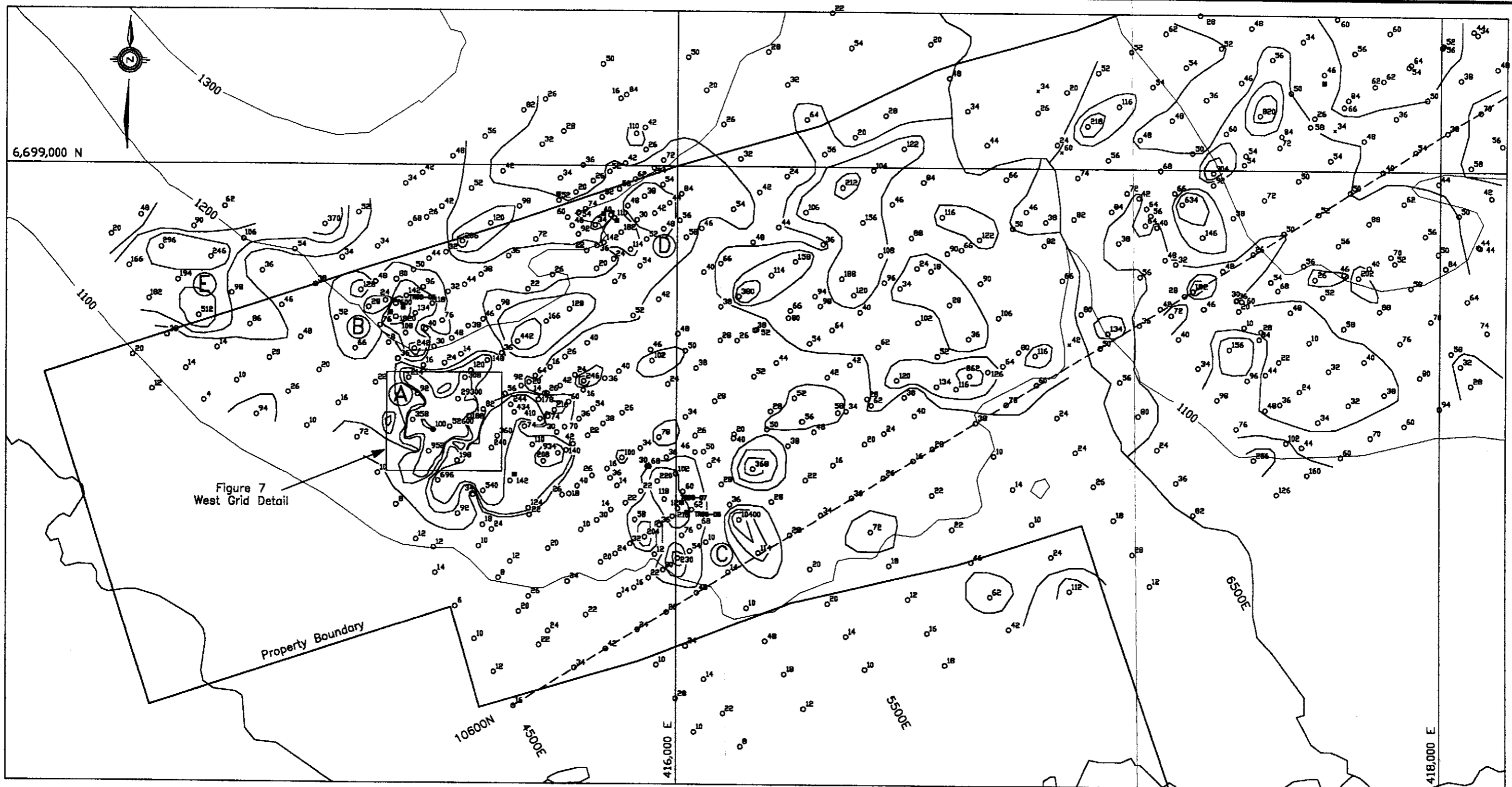


Figure 7
West Grid Detail

Property Boundary

- 38 Soil sample location with lead value in ppm
- × 110 Silt sample location with lead value in ppm
- ≥ 200 ppm Pb
- ≥ 100 < 200 ppm Pb
- ≥ 50 < 100 ppm Pb

- Rock sample location (see Figure 6 for sample numbers)
- 1998 hand trench
- Ⓐ Showing, referred to in text

NORDAC RESOURCES LTD.	
FIGURE 9 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
LEAD GEOCHEMISTRY WEST GRID QB PROPERTY	
0 500 m	
DRAWN/REVISED BY: TCB	PROJECT:
FILE: NORDAC\QB\ACAD98\QB-SNG.DWG	DATE: JANUARY, 2000

MINERALIZATION AND HAND TRENCHING

Prospecting and drilling on the QB property indicates that mineralization is hosted by limestone and less commonly by schist and consists of galena, sphalerite, chalcopyrite, pyrite and/or pyrrhotite in various combinations. Wengzynowski, 1998 contains results from the Central Grid while Becker, 1999b describes work done on the West Grid in 1998. This section will deal only with the mineralization found at Showings A and C on the West Zone

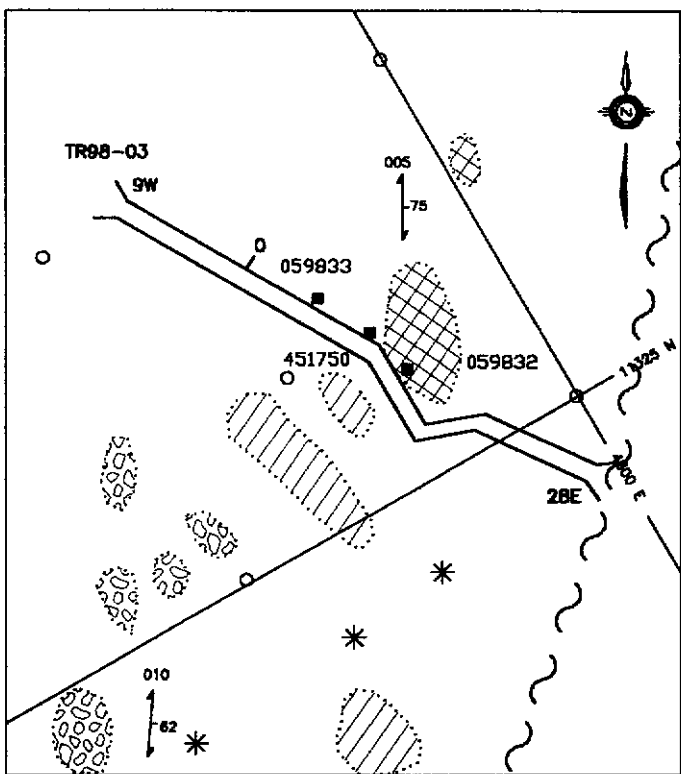
All rock samples collected in 1999 were sent to Chemex Labs in North Vancouver where they were geochemically analyzed for 32 elements using the ICP technique. When a sample exceeded detection limit for silver, lead, zinc or copper it was reanalyzed using standard assay techniques. Certificates of Analysis for the 1999 samples are included in Appendix II.

Showing A is an area of extremely strong multi-element soil geochemical response centred on a zone of mineralized float and outcrops. This showing was discovered during prospecting in 1997. Follow-up work done in 1998 consisted of prospecting, geological mapping, five hand trenches and closely spaced grid soil geochemistry. The 1999 program focussed on the northern part of the showing and included detailed prospecting, additional geological mapping and extending three hand trenches started in 1998. Rock sample and hand trench locations are shown with geology on Figure 7 while trench results appear on Figures 10 to 12.

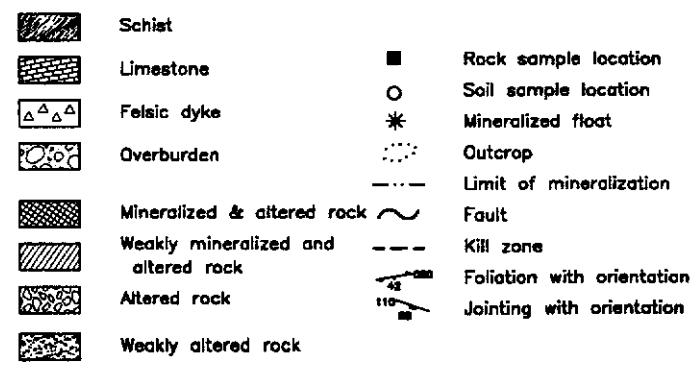
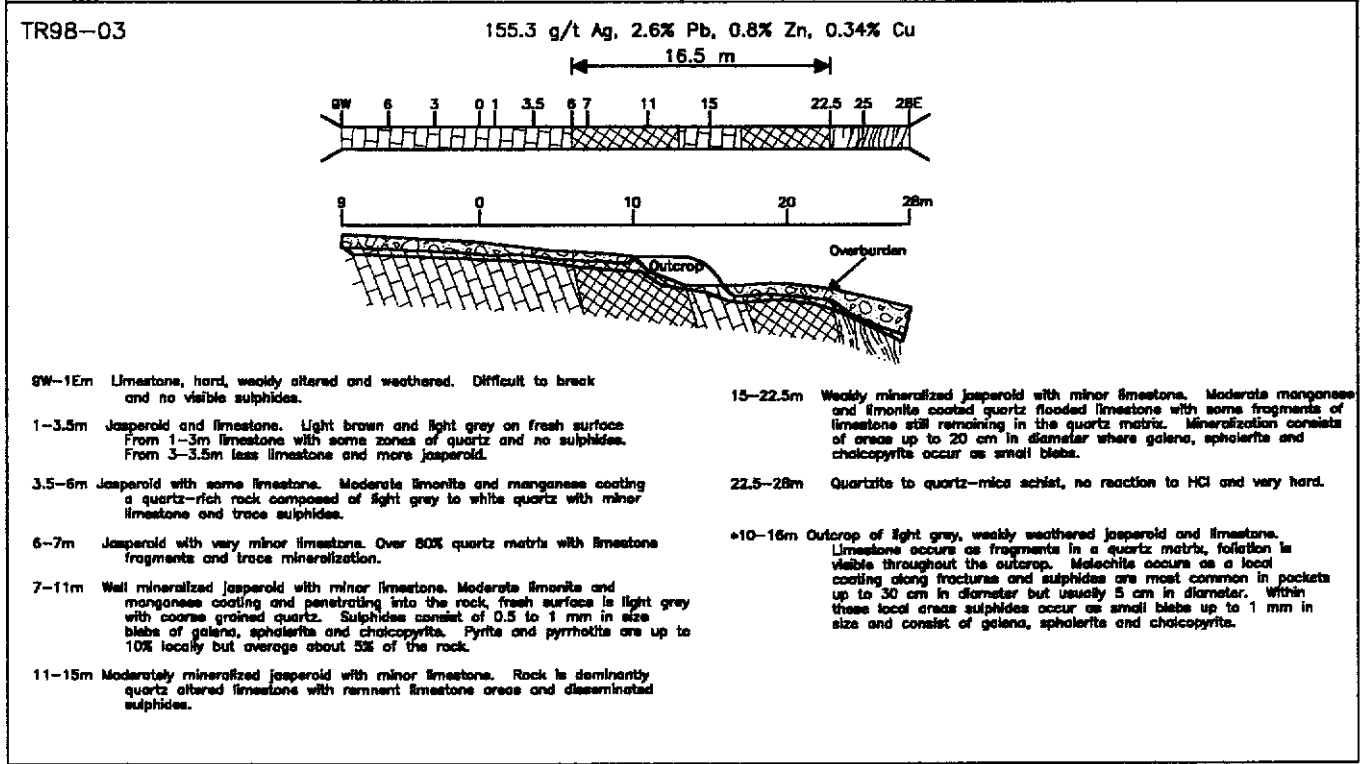
The soil geochemical anomaly at Showing A covers a 450 by 450 m area where all the indicator elements returned extremely high values, except for a band of weakly anomalous values that correspond to a band of barren schist. The northwest edge of the barren schist is marked by an inferred fault which also a northeast trending topographic linear. This linear drains downhill into a "kill zone". Mineralization and alteration is strongest on the northwest side of the fault and gradually decreases away from it.

Mineralized outcrops in the northwest half of Showing A are all related to jasperoid alteration formed by silicification of limestone. The original texture of the limestone is preserved within the jasperoid, in part because of very fine grained carbonate grains that are encapsulated within the replacement quartz. In hand specimens the jasperoid is medium to dark grey and massive with occasional vugs. It contains blebs (0.5 to 2 mm in diameter) of galena, sphalerite and pyrite with lesser pyrrhotite, chalcopyrite and fine grained tetrahedrite. Most outcrops are moderately weathered and are coated with limonite, manganese and locally abundant malachite. Sericitized limestone fragments are common within the jasperoid altered zone and foliation attitudes are erratic. These features may be due to collapse of the hanging wall sedimentary rocks as a result of volume loss during jasperoid formation.

Lateral zonation is evident in the alteration zone with a core of mineralized jasperoid adjacent to the fault grading outward to barren jasperoid, dolomite and finally unaltered limestone. Foliation



From (m)	To (m)	Sample Interval(m)	Sample No.	Ag (ppm)	Pb (ppm)	Zn (ppm)	Cu (ppm)
9.00	6.00W	3.00	114700	<1	105	220	55
6.00	3.00	3.00	114701	<1	5	95	25
3.00	1.00E	4.00	114702	<1	20	70	25
1.00	3.50E	2.50	451778	2.2	414	994	297
3.50	6.00	2.50	451779	8.0	832	1975	533
6.00	9.00	3.00	451780	137.1	1.39%	1.61%	4850
9.00	11.00	2.00	451781	521.1	9.63%	1.78%	7330
11.00	13.00	2.00	451782	130.3	2.05%	9710	4450
13.00	15.00	2.00	451783	14.2	1920	5270	1970
15.00	17.00	2.00	451784	4.4	416	1950	750
17.00	19.00	2.00	451785	202.3	3.99%	6160	3270
19.00	22.50	3.50	114703	116.0	19090	2670	1865
22.50	25.00	2.50	114704	5.0	805	1415	620
25.00	28.00E	3.00	114705	3.0	240	530	155
7.00		Grab	059833	211.0	17960	36100	8040
11.00		Grab	451750	14.2	9570	8720	10100
13.00		Grab	059832	59.0	10690	8690	4440



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FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

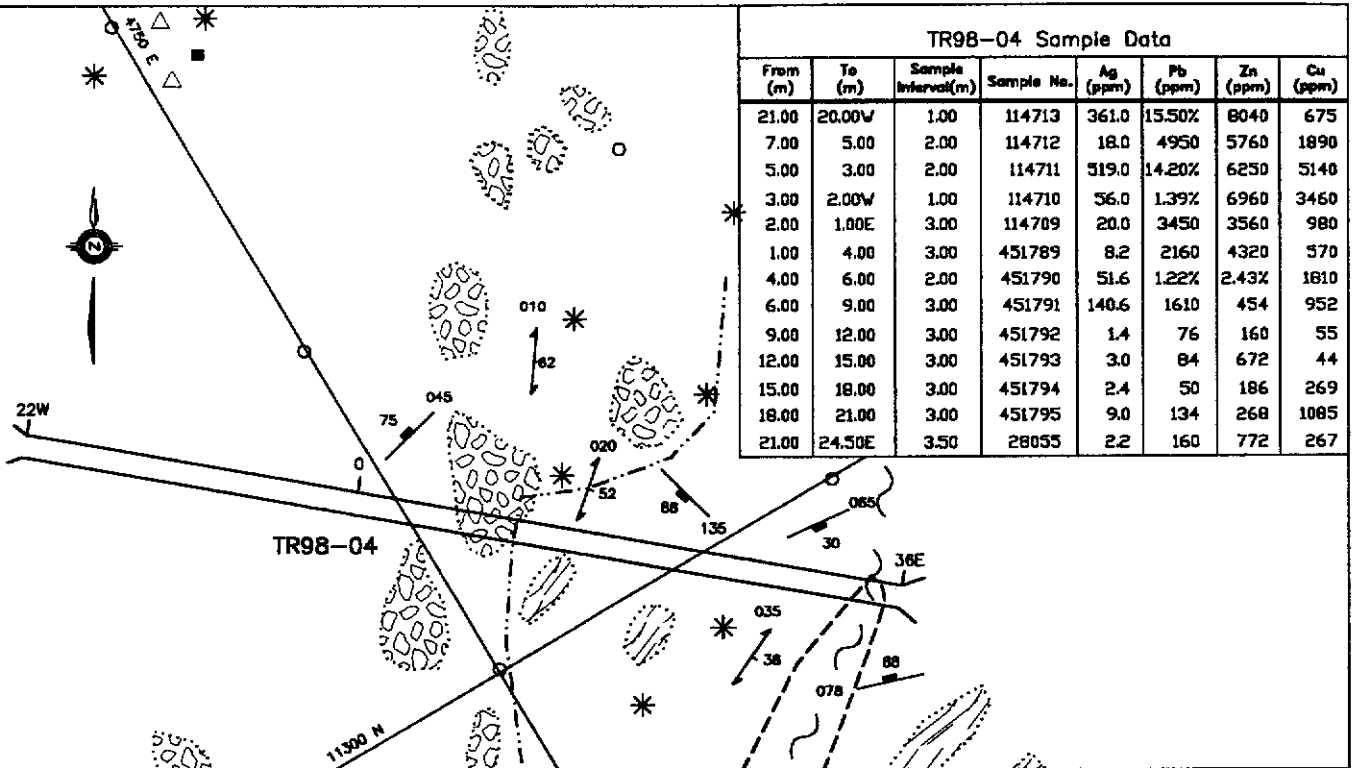
TR98-03
WEST GRID DETAIL
QB PROPERTY

0 10 20 30 40 m

DRAWN/REVISED BY: TCB PROJECT: RANCHERIA
FILE: NORDAC\05\ACAD89\QB-TR03.DWG DATE: JANUARY, 2000

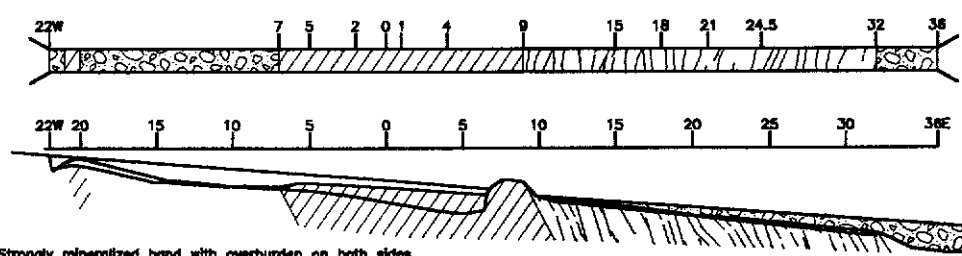
TR98-04 Sample Data

From (m)	To (m)	Sample Interval(m)	Sample No.	Ag (ppm)	Pb (ppm)	Zn (ppm)	Cu (ppm)
21.00	20.00W	1.00	114713	361.0	15.50%	8040	675
7.00	5.00	2.00	114712	18.0	4950	5760	1890
5.00	3.00	2.00	114711	519.0	14.20%	6250	5140
3.00	2.00W	1.00	114710	56.0	1.39%	6960	3460
2.00	1.00E	3.00	114709	20.0	3450	3560	980
1.00	4.00	3.00	451789	8.2	2160	4320	570
4.00	6.00	2.00	451790	51.6	1.22%	2.43%	1810
6.00	9.00	3.00	451791	140.6	1610	454	952
9.00	12.00	3.00	451792	1.4	76	160	55
12.00	15.00	3.00	451793	3.0	84	672	44
15.00	18.00	3.00	451794	2.4	50	186	269
18.00	21.00	3.00	451795	9.0	134	268	1085
21.00	24.50E	3.50	28055	2.2	160	772	267



TR98-04
 Outcrop and mineralized float
 +30 m

361.0 g/t Ag, 15.5% Pb
 0.8% Zn, 0.07% Cu/1 m
 121.7 g/t Ag, 2.5% Pb,
 0.6% Zn, 0.18% Cu/14 m



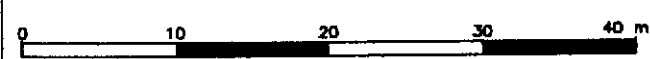
- 21-20m Strongly mineralized band with overburden on both sides. Fairly common mineralized float in overburden.
- 20-7m Trench was not completed and only intermittent bedrock is exposed. Fairly common mineralized float in overburden.
- 7-2mW Weakly mineralized jasperoid with limestone. Strongly weathered with barwork limonite, malachite and minor sulphides. Poorly exposed zone due to strong weathering and decomposed rock.
- 2-4mE Jasperoid and minor limestone. Weakly weathered, blocky rock with nil to weak limonite coating. Over 80% white to light grey quartz with 20% light grey limestone fragments within a quartz matrix. No visible sulphides.
- 4-9m Weakly mineralized jasperoid with limestone. Unit is composed of 70% limestone with 30% light grey quartz. Foliation is visible and sulphides occur mainly in the quartz. From 4.1-4.3 well mineralized with galena, sphalerite and chalcopyrite. From 4.3-6m weak to trace sulphides with moderate limonite coating.
- 8-15m Schist with minor limestone. Hard, blocky, weakly weathered with a trace of limonite coating a rock composed of over 80% light grey quartz and 20% limestone fragments up to 15 cm in size within a quartz matrix. Mineralization is strongest from 8-9 m.
- 15-18m Schist with minor limestone. Similar to 6-15 m except slightly more limestone and weak limonite coating. Trace sulphides as fine grained specks in the quartz.
- 18-21m Schist with minor limestone. Still hard, blocky, weakly weathered but with moderate limonite and weak manganese coating. Toward end of interval 1% pyrite is visible as fine grained disseminations and trace galena, sphalerite and chalcopyrite are visible in the quartz.
- 21-24.5m Schist with very minor limestone. Trench went down dip slope with only a trace of pyrite and a 5 X 15 cm area of strong limonite and manganese.
- 24.5-32m Quartz-mica schist, hard, blocky and weakly weathered with moderate to strong limonite coating but no visible sulphides.
- 32-36m No bedrock, overburden consists of very well sorted sand.
- +6-8m Outcrop adjacent to trench consists of jasperoid with very minor limestone and weak mineralization.

- Schist
- Limestone
- Felsic dyke
- Overburden
- Mineralized & altered rock
- Weakly mineralized and altered rock
- Altered rock
- Weakly altered rock
- Rock sample location
- Soil sample location
- Mineralized float
- Outcrop
- Limit of mineralization
- Fault
- Kill zone
- Foliation with orientation
- Jointing with orientation

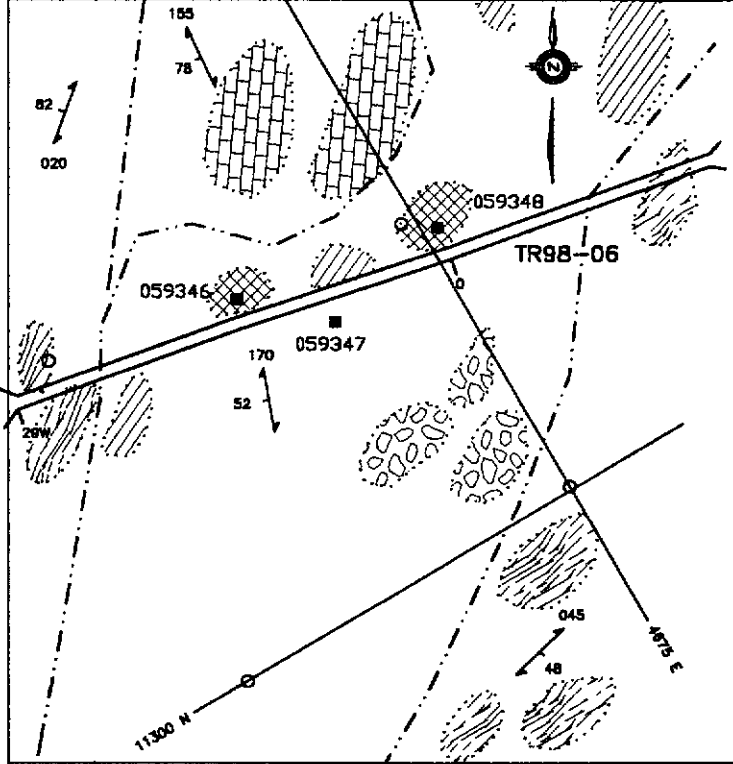
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FIGURE 11
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

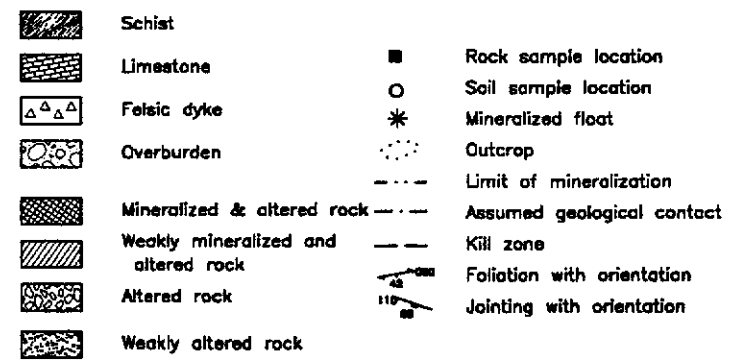
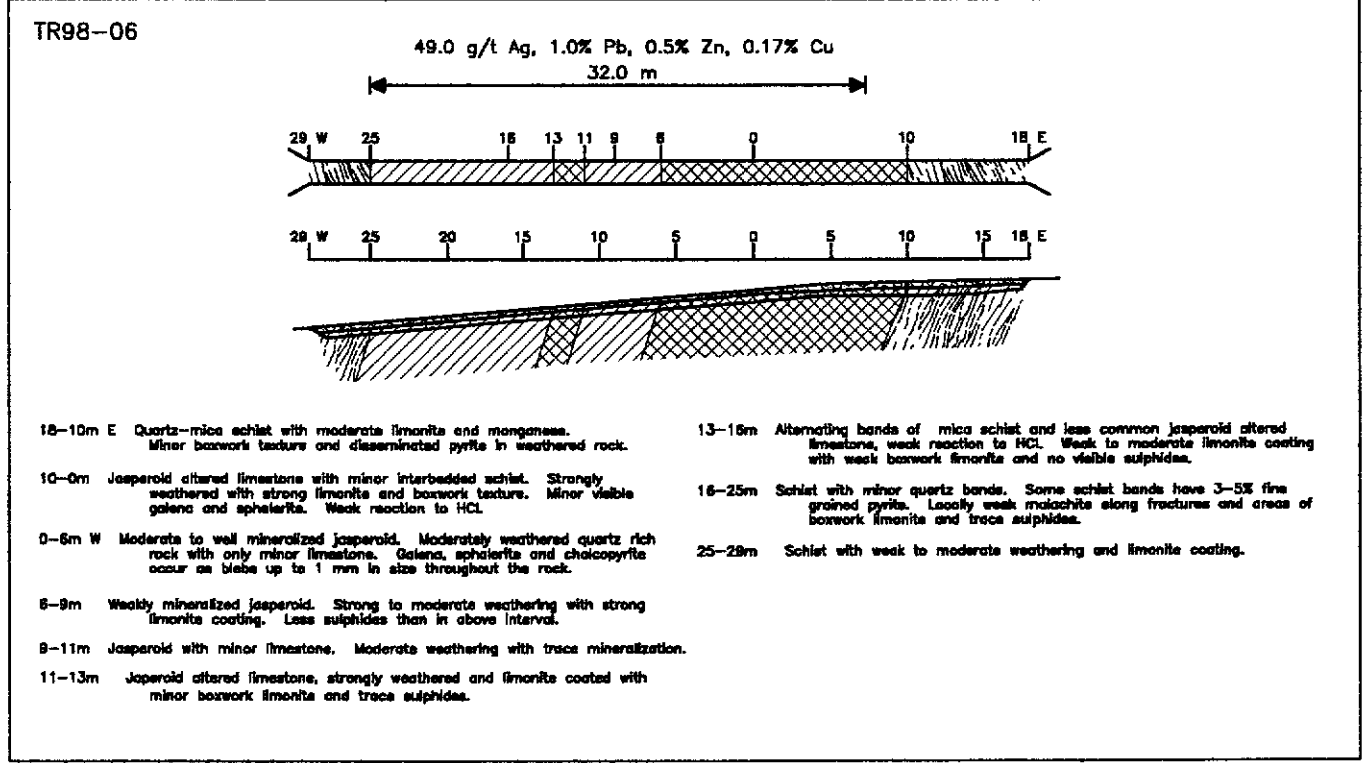
TR98-04
WEST GRID DETAIL
 QB PROPERTY



DRAWN/REVISED BY: TCB	PROJECT:
FILE: NORDAC\QB\ACAD99\QB-TR04.DWG	DATE: JANUARY, 2000



From (m)	To (m)	Sample Interval(m)	Sample No.	Ag (ppm)	Pb (ppm)	Zn (ppm)	Cu (ppm)
18.00	16.00E	2.00	114699	9.0	890	1080	285
16.00	14.00	2.00	114698	2.0	250	825	215
14.00	12.00	2.00	114697	4.0	80	1800	200
12.00	10.00	2.00	114696	2.0	250	1035	175
10.00	7.00	3.00	114695	13.0	5580	3770	505
7.00	4.00	3.00	114694	27.0	124%	7080	1175
4.00	2.00	2.00	114693	90.0	2.80%	5850	2030
2.00	0.00	2.00	114692	36.0	6490	5700	1275
0.00	3.00	3.00	28056	120.0	2.22%	4350	3320
3.00	6.00	3.00	28057	26.4	1.37%	3070	1540
6.00	9.00	3.00	28058	18.4	9800	4210	1005
9.00	11.00	2.00	28059	7.2	3210	1365	267
11.00	13.00	2.00	114686	36.0	1.43%	3490	1295
13.00	15.00	3.00	114687	14.0	1405	2880	620
16.00	19.00	3.00	114688	51.0	2960	5650	1445
19.00	22.00	3.00	114689	126.0	8010	5630	1870
22.00	25.00	3.00	114690	33.0	1020	8660	2300
25.00	29.00W	4.00	114691	9.0	110	1030	620
		Float	059346	37.0	0.91%	17080	5720
		Float	059347	147.0	13720	6210	4080
		Float	059348	181.0	2.35%	1.29%	9950



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FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TR98-06

WEST GRID DETAIL

QB PROPERTY

0 10 20 30 40 m

DRAWN/REVISED BY: TCS PROJECT:

FILE: NORDAC\QB\ACAD99\QB-TR98.DWG DATE: JANUARY, 2000

attitudes in unaltered rocks northerly of the fault strike north and dip steeply to the east or southwest (Figure 13) while foliations in rocks southeast of the fault strike northeast and dip moderately to the southeast. Joints in all rock types usually strike northeast and dip steeply to the southeast or northwest (Figure 14).

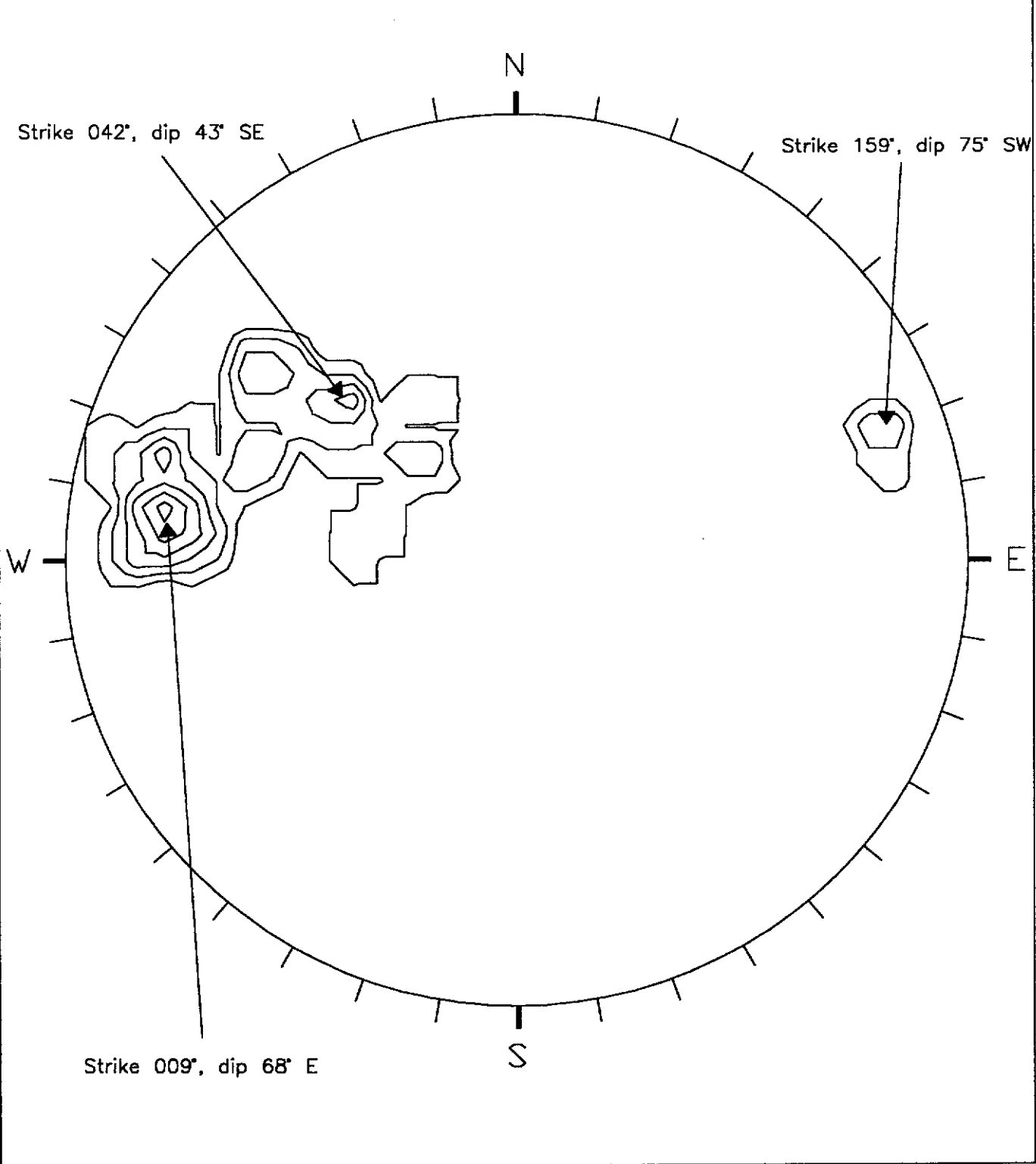
The average grade of nine specimens of mineralized jasperoid collected in 1998 was 168.2 g/t silver, 2.40% lead, 1.16% zinc and 0.51% copper. The best results from hand trenching were in TR98-03 which was lengthened in 1999. Chip samples from this trench averaged 155.3 g/t silver, 2.6% lead, 0.8% zinc and 0.34% copper over 16.5 m. The trench is oriented across the strike of the jasperoid altered limestone and is located immediately downhill from the discovery outcrop (Figure 10). TR98-04 which lies 50 m downhill to the south from TR98-03 was also lengthened in 1999 and also returned encouraging results (Figure 11). The central part of the trench exposed 14 m of mineralized jasperoid but the western part of the trench encountered frozen ground and bottomed in overburden containing abundant individual float, except for a 1 m interval at the extreme west end which returned 361 g/t silver, 15.5% lead, 0.8% zinc and 0.67% copper. The total length of mineralization in the trench is 30 m and is still open to the west.

The part of Showing A that lies southeast of the fault is less exposed and more heavily vegetated. It was not tested in 1999. The best soil geochemical values in this part of the showing are associated with a 45 m wide band of weakly jasperoid altered to fresh limestone that trends northeast and dips 38° to the southeast. Two hand trenches (TR98-01 and 02) dug in 1998 returned encouraging values (up to 102.9 g/t silver, 0.83% lead, 0.20% zinc and 0.12% copper across 3 m) from weakly mineralized limestone.

Showing C is an area with moderate to strong soil geochemical response and scattered mineralized float boulders. Work in 1998 included grid soil sampling, prospecting and two hand pits. In 1999 additional prospecting was done and several shallow hand pits were dug.

The soil geochemical anomaly covers an area 350 by 350 m with scattered moderate to strong values surrounded by areas of weak to background response. This erratic pattern may be due to glaciation because the area is characterised by small hummocks of glacially scoured outcrop surrounded by gullies filled with glacial till. Two float samples of mineralized jasperoid were found within this showing in 1998. The better of the two boulders returned 209.1 g/t silver, 1.89% lead, 0.70% zinc and 0.75% copper. Hand pits were dug beneath each of the mineralized boulders. No mineralized float was found in either pit but soil samples from them returned moderately to strongly anomalous lead and zinc values.

In 1999 a hand pit dug beneath a strongly anomalous grid soil sample site unearthed several mineralized float boulders but a layer of large unmineralized boulders prevented the pit from reaching bedrock. A composite sample from strongly weathered float boulders found in the pit graded 229 g/t silver, 2.2% lead, 0.31% zinc and 0.44% copper. Several other hand pits were dug in the area but they did not locate mineralized float or bedrock.



Equal Area - Lower Hemisphere Contour Plot

**SCHMIDT POLE
CONCENTRATIONS**

Minimum Contour = 2.5%
 Contour Interval = 2.5%
 Max. Concentration = 16.3%

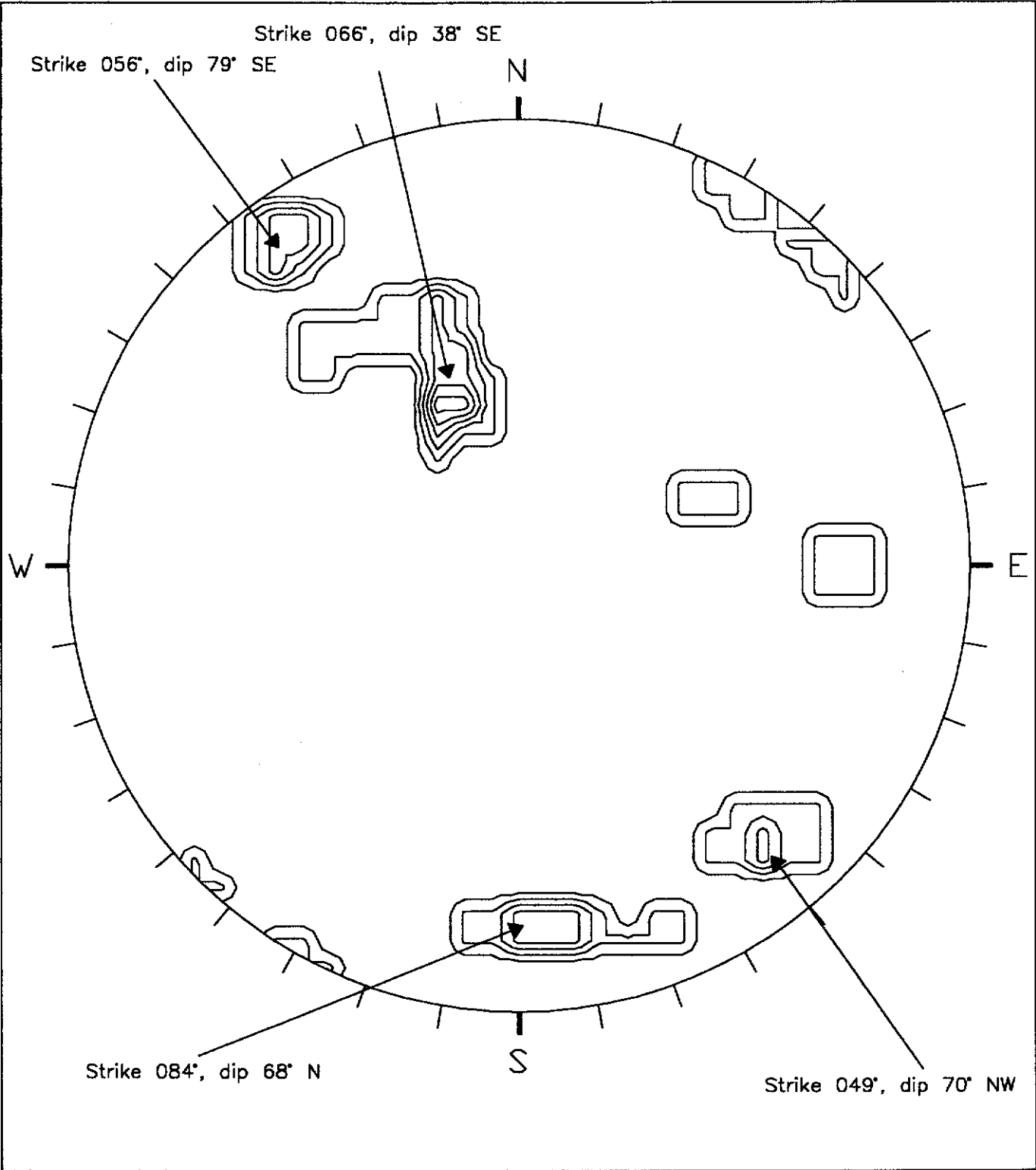
□ Pole to foliation
 43 poles plotted

NORDAC RESOURCES LTD.

FIGURE 13
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

FOLIATION STERONET
 QB PROPERTY

DRAWN/REVISED BY: TCB	PROJECT:
FILE: NORDAC/QB/ACAD98/QB-SH-F.DWG	DATE: JANUARY, 2000



Equal Area - Lower Hemisphere Contour Plot

**SCHMIDT POLE
CONCENTRATIONS**

Minimum Contour = 2.5%
 Contour Interval = 2.5%
 Max. Concentration = 16.7%

□ Pole to joint
 18 poles plotted

NORDAC RESOURCES LTD.

FIGURE 14
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

JOINT STERIONET
 QB PROPERTY

DRAWN/REVISED BY: TCB

PROJECT:

FILE: NORDAC\QELACAD\QB-SH-LONG

DATE: JANUARY, 2000

DISCUSSION AND CONCLUSIONS

Nordac is exploring the QB property using established carbonate hosted lead-zinc-silver±copper±gold replacement deposits (CRD) as its primary exploration model. All the zones and types of mineralization observed on the property fit within the established model. The following is a summary of the main characteristics of CRD with comments concerning their relevance to targets on the QB property.

CRD are epigenetic, intrusion-related, high temperature, sulphide-dominant lead-zinc-silver±copper±gold deposits that typically form lenses, elongate pipes or elongate tabular bodies referred to as mantos or chimneys (Megaw, 1998 and 1999). The deposits commonly exhibit strong structural controls and are stratigraphically discordant. Mineralization typically occurs below relatively impermeable shaly units with veins extending upwards through the impermeable cap rocks. CRD grade from almost 100% polymetallic sulphide bodies to sulphide rich skarns and are usually associated with significant vein mineralization.

Several features make CRD highly desirable mining targets. CRD have good size potential averaging 10 to 13 Mt with the largest deposits exceeding 50 Mt. Ore bodies comprising the deposits occur in clusters individually averaging 0.5 to 2 Mt with some up to 20 Mt. CRD are dominantly composed of a simple assemblage of galena, sphalerite, chalcopyrite, arsenopyrite, pyrite and pyrrhotite with subordinate carbonate, sulphate, fluorite and quartz gangue. Metal contents characteristically range from 2 to 12% lead, 2 to 18% zinc, 60 to 600 g/t silver, trace to 2% copper and trace to 6 g/t gold (Megaw, 1998). Typically CRD are metallurgically straightforward, amenable to low-cost mining methods and have a minimal environmental impact.

Nordac is using information from major CRD districts such as those in the U.S. Great Basin and Northern Mexico to establish geological criteria for evaluating the QB property and its other properties in the Rancheria district. Detailed geological mapping, soil geochemistry, geophysical surveys and prospecting will be used to evaluate and systematically prioritize the potential of its various targets.

At the present time two zones on the QB property (Central and Western Zone) are assigned a high priority. Both zones demonstrate good potential to host large carbonate silver-zinc-lead replacement deposits. Although other vein and CRD zones on the property are considered lower priority exploration targets, they should be re-evaluated if exploration of the high priority targets is successful. Similarly, a number of strong multi-element soil geochemical anomalies have not yet been tested. Some of these anomalies are in areas difficult to access but others are directly adjacent to high priority targets.

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1998 Assessment report describing 1997 Geological Mapping, Prospecting, Soil Geochemistry, Excavator Trenching and Diamond Drilling on the QB Property for Nordac Resources Ltd., February, 1998.

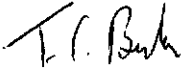
APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Thomas C. Becker, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Port Moody, British Columbia, do hereby certify that:

1. I graduated from the University of Alberta in 1989 with a B.Sc. (Honours) in Geological Sciences.
2. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia in the Province of British Columbia (registration number 20021).
3. I have been actively involved in mineral exploration in the Northern Cordillera since 1984.
4. I have personally participated in or supervised the field work reported herein.



Thomas C. Becker, B.Sc., P.Geol.

APPENDIX II
CERTIFICATES OF ANALYSIS



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 & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Project : QB
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 29-JUL-1999
Invoice No. : 19924164
P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS

A9924164

SAMPLE	PREP CODE	Ag FA g/t	Pb %								
N114711	212 --	519	14.20								
N114713	212 --	361	15.50								
N114714	212 --	229	-----								

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 British Columbia, Canada V7J 2C1
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Page Number : 1-A
 Total Pages : 1
 Certificate Date: 27-JUL-1999
 Invoice No. : I9923187
 P.O. Number :
 Account : MTT

Project : QB
 Comments:

CERTIFICATE OF ANALYSIS A9923187

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni
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N114686	208	294	36	1.15	< 10	20	< 5	10	0.90	15	20	70	1295	6.79	< 10	0.25	0.46	1190	< 5	0.07	10
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N114688	208	294	51	2.38	< 10	40	< 5	50	0.67	30	20	70	1445	4.98	< 10	0.46	1.06	2270	< 5	0.15	30
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N114690	208	294	33	2.02	< 10	40	< 5	< 10	0.64	100	25	60	2300	5.08	< 10	0.50	0.99	1740	< 5	0.12	25
N114691	208	294	9	3.03	40	60	< 5	< 10	0.61	< 5	20	70	620	4.74	< 10	0.68	1.00	690	< 5	0.14	35
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N114694	208	294	27	1.53	20	< 20	25	10	2.28	75	10	60	1175	8.32	< 10	0.10	0.80	6480	< 5	0.04	15
N114695	208	294	13	1.21	< 10	< 20	20	< 10	3.88	35	20	70	505	3.86	< 10	0.15	0.56	2020	< 5	0.06	15
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N114699	208	294	9	1.62	20	20	< 5	< 10	0.35	< 5	15	80	285	3.32	< 10	0.32	0.93	1820	< 5	0.06	25
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N114712	208	294	18	1.23	< 10	20	< 5	< 10	13.15	60	15	40	1890	1.71	< 10	0.10	0.27	1100	< 5	0.10	20
N114713	208	294	>200	0.71	50	20	< 5	700	0.20	75	15	50	675	7.60	< 10	0.19	0.24	990	< 5	0.03	15
N114714	208	294	>200	0.14	< 10	20	< 5	< 10	0.57	20	< 5	160	4380	4.47	< 10	0.08	0.02	160	< 5	0.03	< 5

CERTIFICATION: _____



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BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

Page Number : 1-B
Total Pages : 1
Certificate Date: 27-JUL-1999
Invoice No. : 19923187
P.O. Number :
Account : MTT

Project : QB
Comments:

CERTIFICATE OF ANALYSIS

A9923187

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N114690	208	294	700	1020	< 10	5	60	0.11	< 20	< 20	40	20	8660
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N114712	208	294	400	4950	< 10	< 5	505	0.07	< 20	< 20	< 20	< 20	5760
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N114714	208	294	500	22400	50	< 5	30	0.06	< 20	< 20	< 20	< 20	3090

CERTIFICATION:



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Y1A 3S9

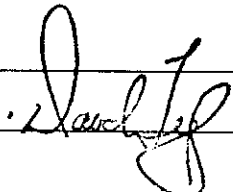
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Page Number : 1-A
Total Pages : 1
Certificate Date: 27-JUL-1999
Invoice No. : I9923184
P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS

A9923184

SAMPLE	PREP CODE		Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
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BB28641	201	202	0.2	1.59	18	< 10	40	0.5	< 2	0.17	< 0.5	12	21	29	2.77	< 10	< 1	0.15	20	0.49	255
BB28642	201	202	0.6	1.27	8	< 10	50	0.5	< 2	0.26	< 0.5	12	17	39	2.46	< 10	< 1	0.14	30	0.27	145
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BB28644	201	202	0.6	2.00	12	< 10	70	0.5	< 2	0.11	< 0.5	25	26	40	3.16	< 10	< 1	0.19	20	0.48	480
BB28645	201	202	0.8	3.08	24	< 10	120	2.0	< 2	0.54	0.5	19	36	96	4.06	< 10	1	0.31	60	0.69	585
BB28646	201	202	0.8	2.46	26	< 10	60	1.5	< 2	0.24	< 0.5	13	31	50	3.73	< 10	< 1	0.23	30	0.59	395
BB28647	201	202	0.2	2.35	16	< 10	70	2.0	< 2	0.96	< 0.5	12	27	91	2.74	< 10	< 1	0.24	60	0.61	345

CERTIFICATION: 



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Invoice No. : 19923184
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Comments:

CERTIFICATE OF ANALYSIS

A9923184

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
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BB28646	201	202	< 1	0.01	35	380	166	0.01	< 2	3	31	0.04	< 10	< 10	34	< 10	254
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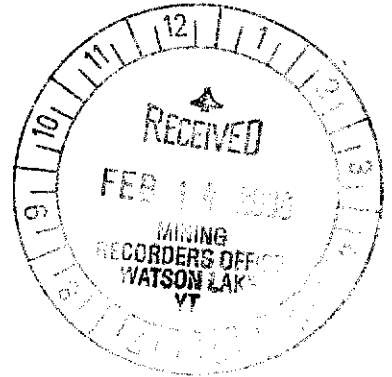
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Box 4127, Whitehorse, Yukon Y1A 3S9

Telephone: (867) 667-4415

Fax: (867) 667-4622

AFFIDAVIT



I, Joan Mariacher, of VANCOUVER, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the QB 114 mineral claims on Claim Sheet 105B/748 is accurate.


Joan Mariacher

Sworn before me at VANCOUVER, B.C.

this 25TH day of

JANUARY, 2000


Notary, Yukon Territory

Statement of Expenditures
QB 114
January 23, 2000

Labour

A. Archer - geologist - July & December - 5 hours at \$66/hr	\$ 353.10
D. Eaton - geologist - June to January, 2000 - 22 hours at \$56/hr	1,318.24
T. Becker - geologist - May to January, 2000 - 150 hours at \$43/hr	6,901.50
B. Wengzynowski - geologist - May - 30 hours at \$43/hr	1,380.30
B. Gay - geologist - May 1 ½ days at \$247.50/day	397.24
J. Owerko - field assistant - June to July - 11 days at \$225/day	2,648.25
G. Downs - field assistant - May 1 ½ days at \$210/day	337.05
I. Weatherston - field assistant - May - 1 ½ days at \$187.50/day	300.94
J. Mariacher - May to July - 13 ½ hours at \$46.67/hr	674.15
- January, 2000 - 3 ½ hours at \$41.67/hr	156.05
M. Cooke - January, 2000 - 10 ½ hours at \$36.70/hr	<u>412.32</u>
	14,879.14

Expenses

Field room and board - 33 ½ days at \$115/day	4,122.18
Trans North Bell 206B - 5.2 hours at \$700 plus fuel	4,338.21
Chemex Labs	535.70
Jet B - North 60 Petro and Division Mountain	1,313.40
Norcan Leasing - truck rental and fuel	643.67
PNT Points North	<u>51.50</u>
	11,004.66
	<u>\$25,883.80</u>

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project NORDAL-FIELD ACCOUNT
Date MAY 31, 1999

LABOUR

Field	A. ARCHER - 26 HRS AT 66/HAL	WASH-13Y.	1716.00	
	R. CARNE - 3 HRS AT 56/HAL		168.00	
	D. EATON - 28 HRS AT 56/HAL	LOSTUNG-448.	1568.00	
	T. BECKER - 24 HRS AT 43/HAL	RANCHERIA	1032.00	
	- 9 HRS AT 43/HAL MISSED IN APRIL		387.00	
	B. WENZYNOWSKI - 34 HRS AT 42/HAL	LOSTUNG-129. RANCA-1190	1448.00	
	B. GAY - 1 1/2 DAYS AT 247.50/DAY	RANCHERIA	371.25	
	G. DOWNS - 1 1/2 DAYS AT 210/DAY	RANCHERIA	315.00	
	I. WEATHERSTON - 1 1/2 DAYS AT 187.50/DAY	RANCHERIA	281.25	

Office	M. COOKE - 31 HRS AT 36.70/HAL		1137.70	
Accounting and Expediting	J. MARIACHER - 44 1/4 HRS AT 41.67/HAL		1760.56	10198.76

OTHER SERVICES

Room & Board in Whitehorse	8 DAYS AT 60/DAY	RANCHERIA	480.00	
Field equipment from AC stock		CV	62.40	
Printing	403.25	Photocopies 859 @ .15	618.00	
Rentals from AC				
	MAY 1-31 - 1/2 GPS COMPUTER		150.00	
	JUNE RENT & OFFICE SUPPORT		1500.00	
Drafting	13 1/4 hrs at \$36 /hr.		486.00	
	LOOMIS COURIER - 2 AT 13.50 EA		27.00	3323.40

EXPENSES

Petty Cash	34.65 CV		34.65	
Telephone	220.91 + 14.00 + 28.32 + 15.56		278.79	
GATEWAY COMMUNICATIONS			28.36	No MGT
PRYVEN ENTERPRISES			49.29	
RIVERDALE SUPPLA		RANCHERIA	46.99	
CORPORATE EXPRESS			7.56	
REC GEN CL MAPS & DF			164.00	
NORDAN LEASING		RANCHERIA	34.92	
CALL			287.17	
CORPORATE COURIER			9.44	
HOLWOOD'S OFFICE			8.63	
D. GOS EXPENSES		CV	15.92	1272.72

MANAGEMENT	6% - ON EXPENSES		74.66	
	- ON FIELD AC		172.64	247.30
				15042.18

GST (R100247667)	7% ON 15042.18			1052.95
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E=GST exempt

16095.13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project NORDAC - FIELD ACCOUNT
Date JUNE 30, 1999

LABOUR			
Field	A. ARCHER - 19 HRS AT 66/HR	BURWASA - 264.00	1254.00
	D. EATON - 18 HRS AT 56/HR	RANCHERIA - 896.00	1008.00
	T. BECKEL - 7 1/2 HRS AT 43/HR	RANCHERIA	318.00
	J. DWERKO - 9 1/4 DAYS AT 225/DAY	RANCHERIA	2137.50
	T. BECKEL - 8 HRS AT 43/HR	MISSED IN AMY	344.00
Office	M. COOKE - 25 HRS AT 36.70/HR		917.50
Accounting and Expediting	J. MARIACHEL - 30 1/4 HRS AT 46.67/HR		1423.44
			10266.44
OTHER SERVICES			
Room & Board in Whitehorse	4 DAYS AT 60/DAY	RANCHERIA	240.00
Field equipment from AC stock	810 + 1810	RANCHERIA	2620.00
Printing	Photocopies 272 @ .75		68.00
Rentals from AC	JUNE 21-30 - SBX 11 AT 10/DAY + 2-100MS AT 3.33/DAY EA + 2-GAS AT 767/DAY EA + 1 MAG AT NK	RANCHERIA	320.00
JUNE OFFICE RENT + SUPPORT			1500.00
JUNE 1-00 - 1/2 GRS COMPUTER			150.00
Drafting	15 hrs at \$36 /hr.		540.00
			5438.00
EXPENSES			
Petty Cash	44.860V RANCHERIA + 15603		46.47
Telephone	61.00 + 83.21 + 53.90 + 11.73 + 37.47 + 18.13		265.44
ACBI POSTAGE			1.50
TELUS			43.37
D. Goss EXPENSES			9.40
ATLAS TRAVEL			222.75
SECOND AVENUE SHELL		RANCHERIA	139.64
NORDAN LEASING		RANCHERIA	120.00
3 HOPPERS SAWS		RANCHERIA	53.93
CORPORATE EXPENSES			26.69
CORPORATE COURTESY			4.00
GATEWAY COMMUNICATIONS			15.21
PHONE 200L JET B FROM DIV INT		RANCHERIA	129.58
			No 1165
			1077.93
MANAGEMENT			
	6% - ON EXPENSES	RANCHERIA - 26.59	63.76
	- ON FIELD A/C	RANCHERIA - 29.36	73.79
			137.55
			76919.92
GST (R100247667)	7% ON 16919.92		1184.39
E=GST exempt			18104.31

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

NORDAC-FIELD ACCOUNT

Date

DECEMBER 31, 1999

OUR Field	A. ARCHER - 2 Hrs AT 66/Hr	RANCHERIA - 66	132.00	
	D. EATON - 1 Hr AT 56/Hr	RANCHERIA	56.00	
	T. BECKER - 8 Hrs AT 43/Hr	RANCHERIA	344.00	
Office	M. Cooke - 5 1/2 Hrs at \$36.70/hr	WASH - 110.10	201.85	
Accounting and Expediting	J. Mariacher - 6 Hrs at \$41.67/hr	WASH - 51.09	250.00	983.87
OUR SERVICES	Room & Board in Whitehorse	days at \$60/day		
	Field equipment from AC stock			
	Printing 3.90	Photocopies	WASH CV 14.75 1 yr @ .25 = 30.50	34.40
	Rentals from AC 1/3 GTS Computel		150.00	199.15
Drafting	at \$36/hr			
EXPENSES	Petty Cash			
	Telephone 81.22 + 23.81 + 134.83 + 20.00		259.96	
	AC 81 POSTAGE		17.25	
	BANK CHARGES - PRO RATED		203.11	
	PCYCM - ROUNDUP		210.28	690.70
MANAGEMENT	6% on Expenses on Field A/C		41.44 54.24	95.68 1969.40
GST (R100247667)	7% on 1969.40			137.86
E-GST exempt				2107.26



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH TURBO AIR LTD.
 20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6
 TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER	ARCHNOR		
INVOICE NUMBER	23209		
INVOICE DATE	23/06/99	AREA	B.C. YUKON N.W.T. ALTA
A/C TYPE	206	AIRCRAFT REGISTRATION C	FC441
FLIGHT DATE	22/06/99	DAY	MONTH YEAR
PURCHASE ORDER NO.			

Nordac Resources
 CHARTERER

Box 4127 Whitehorse Y.T.
 BILLING ADDRESS

VIA 359

FUEL & OIL X TNTA (CUST.)	TNTA FUEL USED	FRS. LINES	FROM
<input checked="" type="checkbox"/>	319.4 ^{lt}	2.8	

FROM	TO	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YQH	Rancheria		.6	2 pass + Gear.
Rancheria	Rancheria - camp		.3	1/2 Sling load.
camp - Rancheria	camp - Rancheria		.2	+ 1/2 Gear load.
Ranch - Camp Ranch	Ranch - Camp Ranch			
with sling load			.7	
Ranch - Camp			.3	
Camp Rtn YQH			.7	

SUB	G.L.	AMOUNT			
3427	502	1960.00	2.8 ^{total}	@ 700 -	1960.00
3400	131	223.30		@	
0000	323	152.83		FUEL 319.4 ^{lt} @ .70 / LITRE	223.30
				FUEL @ / LITRE	
				HOLDING TIME: @ / HR.	
				MEALS & LODGINGS	
				OTHER	
				OTHER	
				SUB TOTAL	2183.30
				GOODS & SERVICES TAX REGISTRATION NO. R121483135	152.83
				TOTAL	\$ 2336.13

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *T.C. Babin* ^{JPB}
 CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

INITIALS *MSR*
 PILOTS SIGNATURE

ENGINEER'S NAME

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH TURBO AIR LTD.
 20 NORSEMAN ROAD • WHITEHORSE • YUKON • Y1A 6E6
 TELEPHONE (867) 668-2177 FAX (867) 668-3420

ACCOUNT NUMBER	ARC11NOR		
INVOICE NUMBER	23214		
INVOICE DATE	15	07	99
A/C TYPE	206	AIRCRAFT REGISTRATION C	FCH4
FLIGHT DATE	02	07	99
PURCHASE ORDER NO.			

~~Arctic Cat~~
 CHARTERER **NORDAC Resources**
 BILLING ADDRESS

FUEL & OIL-TNTA FUEL USED **273.4** HRS/AMRES **2.4** FROM

FROM	UP/DOWN TIME	HOURS	REMARKS - NO. OF PASS - FREIGHT Kg
YQH			
1st Camp site		0.8	
1st load to 2nd site		0.2	
Rtn 1st Camp		0.1	
2nd load to 2nd site		0.3	
Rtn YQH		1.0	

SUB	Q.L.	AMOUNT			
3427502		1680.00	2.4 total	@ 700-	1680.00
3400131		191.10		@	
0000323		130.98	FUEL 273	@ .70 / LITRE	191.10
TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.			FUEL	@	/ LITRE
X <u>T.C. Baker</u> CHARTERER'S SIGNATURE			MEALS & LODGINGS		
CHARTERER'S NAME (PRINTED)			OTHER		
INITIALS <u>MSR</u>	<u>Mykeed.</u> PILOTS SIGNATURE		OTHER		
INITIALS <u>MEC</u>	<u>Mark Cunningham.</u> ENGINEER'S NAME		SUB TOTAL		1871.10
			GOODS & SERVICES TAX REGISTRATION NO. R121483135		130.98
			TOTAL	\$	2002.08

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



North 60° Petro Ltd.
 North 60° Petro Ltd.
 Box 5360, 146 Industrial Road
 Whitehorse YT Y1A-4Z2
 Telephone# (867) 633-8820

Invoice TBA0549874
 Date 7/09/99

Station: WH1 WHITEHORSE BULK PLANT

Bill To: 04713
 NORDAC RESOURCES LTD.
 C/O ARCHER CATHRO
 BOX 4127
 WHITEHORSE

Carrier: SAME AS BILL TO

YT Y1A 3S9

Sold By:

Quantity	Description	Class	P.I.N.	Pkg Grp	Mass/ Volume	Back-Order	Rate	Amount
1000.00	203 JET B FUEL - DRUM	3.1	UN 1863	II	1694		.63670	636.90
	YTB AVIATION FUEL TAX JET B						.01100	11.00
5.00	70 DRUM DEPOSITS						90.00000	450.00

carrier: same as bill to
 destination: Rancheria
 placards required

Atley Lanchin QB
~~Blunt~~

GST # RT 89779-5985

76.85

THIS IS YOUR INVOICE - Interest at 24% per annum
 (2% per month) will be charged on overdue invoices.

Please Pay This Amount: \$1,174.75
 Page: 1 of 1

We will no longer give refunds of Drum Deposits on drums returned after 18 months.



North 60° Petro Ltd.
 North 60° Petro Ltd.
 Box 5360, 146 Industrial Road
 Whitehorse YT Y1A-4Z2
 Telephone# (867) 633-8820

Invoice 1302041
 Date 7/30/99

Station: WH1 WHITEHORSE BULK PLANT

Bill To: 04713
 NORDAC RESOURCES LTD.
 C/O ARCHER CATHRO
 BOX 4127
 WHITEHORSE

Ship To: 04713
 Job: 001 NORDAC RESOURCES LTD.
 WHITEHORSE BULK PLANT

YT Y1A 3S9

WHITEHORSE

YT

Ticket	Date	Description	Quantity	Rate	Amount
14270	7/22/99	DRUM RETURNS	9.00	65.00000-	585.00-

QB - 375
Blunt - 260

GST # RT 89779-5985

40.95-

*** CREDIT MEMO ***

THIS IS YOUR INVOICE - Interest at 24% per annum
 (2% per month) will be charged on overdue invoices.

Please Pay This Amount: \$625.95-
 Page: 1 of 1

We will no longer give refunds of Drum Deposits on drums returned after 18 months.



Chemex Labs Ltd.

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

To: NORDAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

INVOICE NUMBER

I 9 9 2 4 1 6 4

BILLING INFORMATION

Date: 29-JUL-1999
Project: QB ↙
P.O. No.:
Account: MTT

Comments:

Billing: For analysis performed on
Certificate A9924164

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
2	212 - Overlimit pulp, to be found	0.00		
	384 - Ag FA g/t	11.00		
	312 - Pb %	8.75	19.75	39.50
1	212 - Overlimit pulp, to be found	0.00		
	384 - Ag FA g/t	11.00	11.00	11.00
Total Cost \$				50.50
Client Discount (25%) \$				-12.63
Net Cost \$				37.87
(Reg# R100938885) GST \$				2.65
TOTAL PAYABLE (CDN) \$				40.52



Chemex Labs Ltd.

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

To: NORDAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

INVOICE NUMBER

I 9 9 2 3 1 8 4

BILLING INFORMATION

Date: 27-JUL-1999
Project: QB \checkmark
P.O. No.:
Account: MTT

Comments:

Billing: For analysis performed on
Certificate A9923184

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
10	201 - Dry, sieve to -80 mesh	1.35		
	202 - save reject	0.90		
	ICP-32	7.40	9.65	96.50
Total Cost \$				96.50
Client Discount (25%) \$				-24.13
Net Cost \$				72.37
(Reg# R100938885) GST \$				5.07
TOTAL PAYABLE (CDN) \$				77.44



Chemex Labs Ltd.

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

To: NORDAC RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
BOX 4127, 2054 SECOND AVE.
WHITEHORSE, YT
Y1A 3S9

INVOICE NUMBER

I 9 9 2 3 1 8 7

BILLING INFORMATION

Date: 27-JUL-1999
Project: QB ↙
P.O. No.:
Account: MTT

Comments:

Billing: For analysis performed on
Certificate A9923187

Terms: Payment due on receipt of invoice
1.25% per month (15% per annum)
charged on overdue accounts

Please Remit Payments to:

CHEMEX LABS LTD.
212 Brooksbank Ave.,
North Vancouver, B.C.
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
29	208 - Assay ring to approx 150 mesh	2.60		
	294 - 4-7 Kg crush and split	3.50		
	3202 - Rock - save entire reject	0.60		
	A-30 ICP Package	11.25	17.95	520.55
				Total Cost \$ 520.55
				Client Discount (25%) \$ -130.14
				Net Cost \$ 390.41
				(Reg# R100938885) GST \$ 27.33
				TOTAL PAYABLE (CDN) \$ 417.74