

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

093 863

describing

SOIL GEOCHEMISTRY AND DIAMOND DRILLING

on the

SIMPSON PROPERTY

D2 1-24 - YB60180-YB60203
D2 25-94 - YB61382-YB61451
D2 95-108 - YB61728-YB61741
D2 109-235 - YB77285-YB77411

Latitude 60°46' N; Longitude 129°36' W

NTS 105A/12, 13

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

Prepared by Archer, Cathro & Associates (1981) Limited

for

Nordac Resources Ltd.

W.A. Wengzynowski, B.Sc.
February, 1998

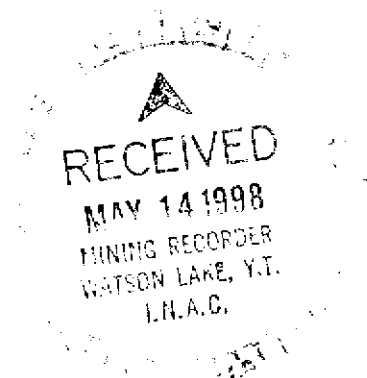


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INTRODUCTION

The Simpson property is 100% owned by Nordac Resources Ltd. and consists of 235 contiguous mineral claims located in southeastern Yukon. The original twenty-four claims were staked in summer 1995 to protect prospective volcanogenic massive sulphide (VMS) targets in a drainage that produced stream sediment geochemical anomalies. Although a government-sponsored sediment sampling program had earlier identified multi-element anomalies in two lakes immediately east of the property, the area had never been previously staked.

Exploration by Nordac in 1995 included preliminary geological mapping, prospecting and reconnaissance soil geochemical sampling. It resulted in the discovery of two stratiform lead-zinc-copper-silver showings within Devono-Mississippian felsic metavolcanic rocks (Carne, 1996). A major staking program followed the discovery.

In 1996 Nordac conducted airborne and ground geophysical surveys, geological mapping, prospecting, reconnaissance and grid soil sampling, and hand trenching (Duso, 1997).

The 1997 exploration program consisted of grid soil sampling and 980 m of diamond drilling in six holes. The work was done by a ten-person crew with daily helicopter support from a trailer camp on the Robert Campbell Highway. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

PROPERTY, LOCATION AND ACCESS

The Simpson property is located in southeastern Yukon at latitude 60°46'N and longitude 129°36'W on NTS map sheets 105A/12 and 13. It lies 20 km west of Km 85 on the Robert Campbell Highway and approximately 90 km northwest of Watson Lake (Figure 1). The property consists of 235 mineral claims that are registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Nordac. Claim locations are shown on Figure 2 while registration data are listed below.

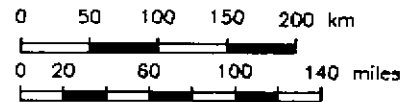
<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
D2 1-24	YB60180-YB60203	February 15, 2008
25-94	YB61382-YB61451	February 15, 2006
95-108	YB61728-YB61741	February 15, 2006
109-235	YB77285-YB77411	February 15, 2006

*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 contracted from Kluane Helicopters of Haines Junction, Yukon. The helicopter was based at Nordac's trailer camp located on the Robert Campbell Highway, 104 km north of Watson Lake.

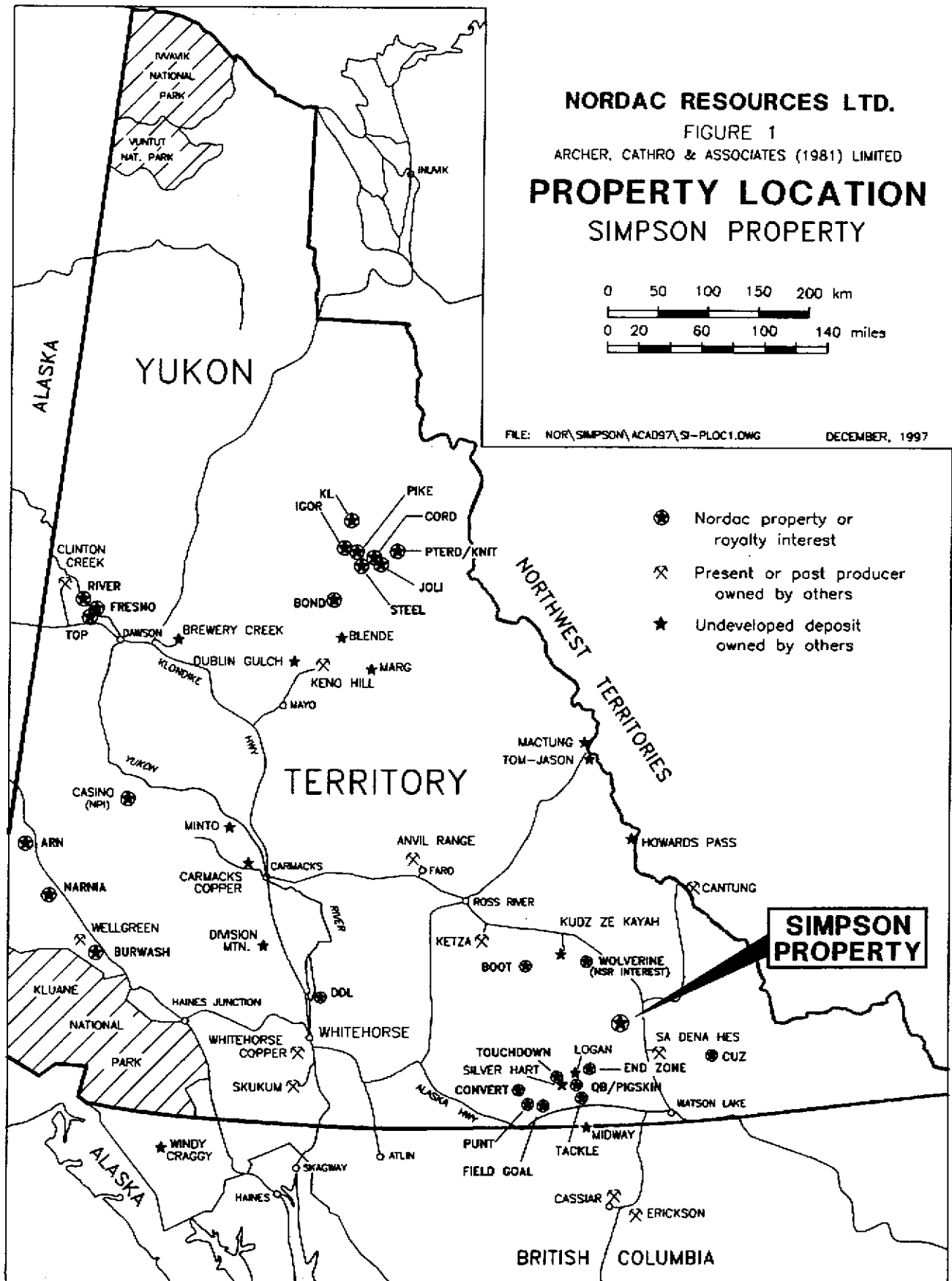
Although there is no road access to the property, a bulldozer tote trail passes within 15 km of the claim block. Winter equipment access to the claims could be achieved by travelling 25 km west along the tote trail from its point of departure off the Robert Campbell Highway (0.5 km south of the junction with the Cantung Road) to Little Jimmy Lake, and then following a broad valley bottom south to the property. Sambo Lake lies immediately east of the property and is accessible by float plane.

NORDAC RESOURCES LTD.
 FIGURE 1
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
SIMPSON PROPERTY



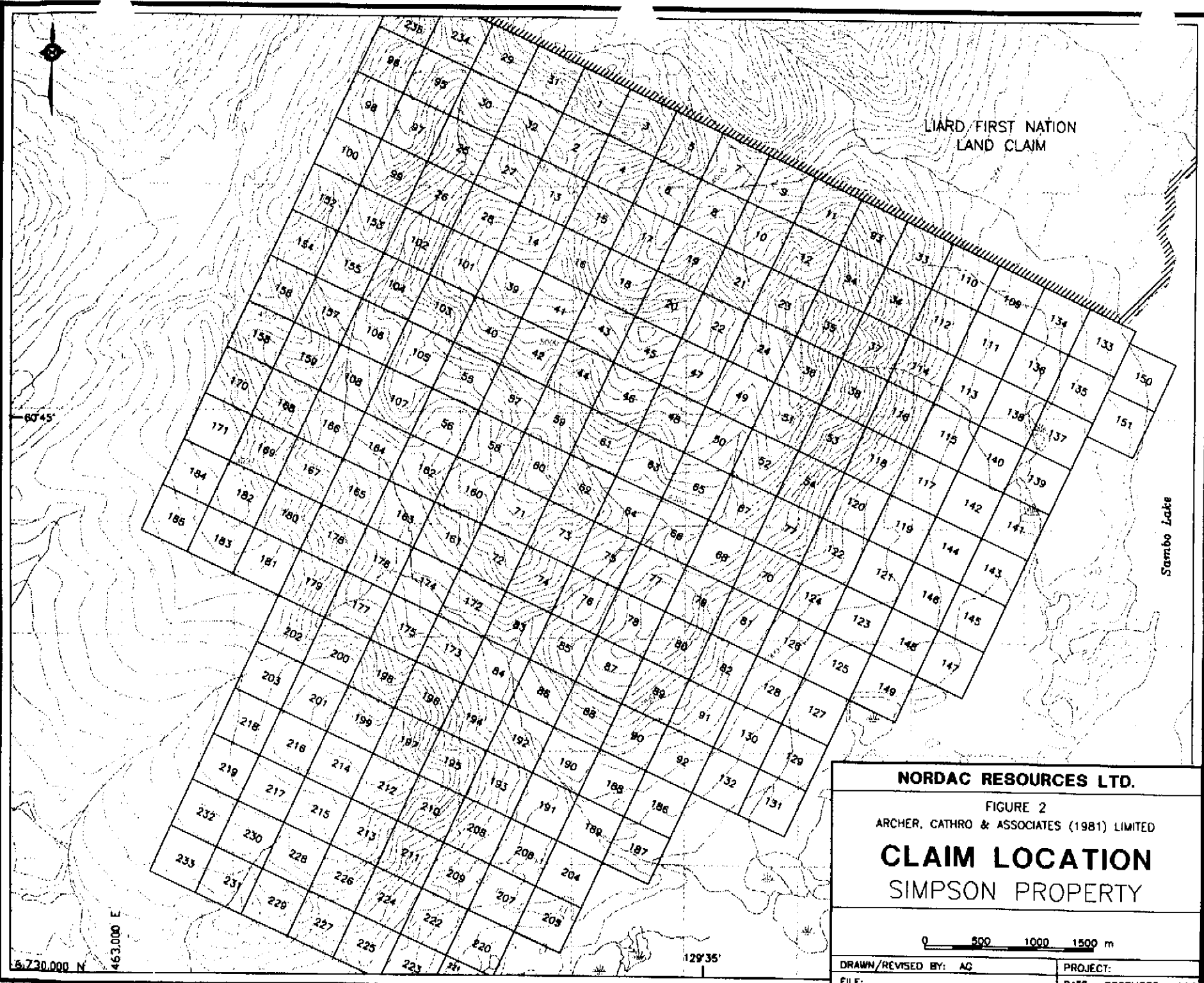
FILE: NOR\SIMPSON\ACAD97\SI-PLOC1.DWG

DECEMBER, 1997



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

SIMPSON PROPERTY



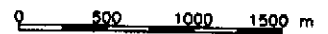
LIARD FIRST NATION
LAND CLAIM

Sambo Lake

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FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION
SIMPSON PROPERTY



DRAWN/REVISED BY: AG

PROJECT:

FILE:

DATE: DECEMBER, 1997

60°45'

5,730,000 N

463,000 E

129°35'

GPS survey data were acquired for most claim post locations and drill hole collars using a handheld Trimble Geoexplorer GPS unit. Readings were corrected using base station data from the Department of Indian and Northern Affairs (Forestry) office in Whitehorse. Corrected data appears in Appendix II.

GEOMORPHOLOGY

The Simpson property is located within the Simpson Range of the Pelly Mountains immediately east of the Liard River plateau. Elevations on the property range from 820 m on the shores of Sambo Lake to over 1700 m in the northwestern corner of the claim block along a sinuous southeasterly-trending ridge.

Steep slopes are common at higher elevations, especially in northerly-facing cirques. Outcrop is surprisingly sparse. The upper slopes are usually talus covered and the lower areas are blanketed with extensive glacial deposits. Lodgement till is widespread while morainal deposits are present on cirque floors.

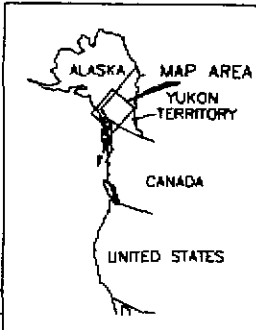
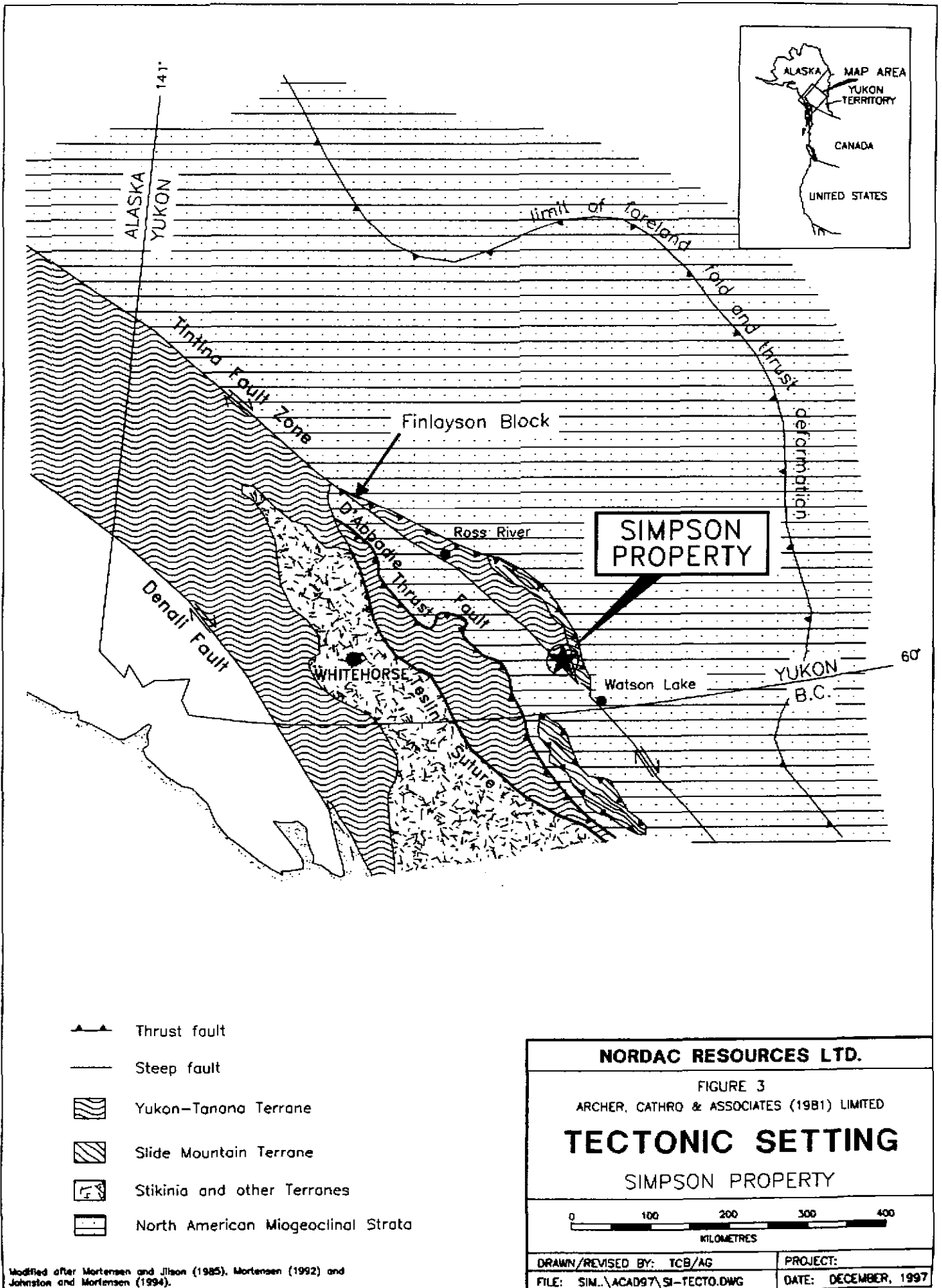
Treeline is about 1500 m in the Simpson Range. Vegetation at lower elevations consists of mature white or black spruce with a thick understorey of willows in boggy areas. Higher slopes support a typical assemblage of balsam, fir, black spruce, willow and dwarf birch. Ridge crests and steep northerly-facing slopes are usually bare except for caribou moss and lichen. Permafrost is likely to be continuous over much of the lower parts of the property, especially in areas with mature forest cover.







REGIONAL GEOLOGY


The Simpson property is located within the Finlayson Block, a 380 by 60 km area comprised primarily of the Yukon-Tanana and Slide Mountain geologic terranes (Figure 3). These terranes represent the innermost of the accreted or "suspect" terranes in the Canadian Cordillera (Mortensen and Jilson, 1985). The northeastern margin of the block is the Finlayson Lake Fault Zone, a complex zone of steep and shallow faults related to transpressive suturing. The southwestern boundary of the block is the Tintina Fault, a major strike-slip fault with at least 450 km of dextral displacement during Late Cretaceous and/or Early Tertiary time (Tempelman-Kluit et al, 1976).

Regional mapping of the Finlayson Block was completed by the Geological Survey of Canada (GSC) in the 1960's and 1970's (Gabrielse, 1967; Blusson, 1996; Tempelman-Kluit, 1977, 1979). More recent regional studies have been published by Mortensen and Jilson (1985) and Mortensen (1992). The following discussion of the regional geology (Figure 4) is based partly on published work and partly on unpublished mapping completed in 1996 (Tempelman-Kluit, personal communication, 1996).

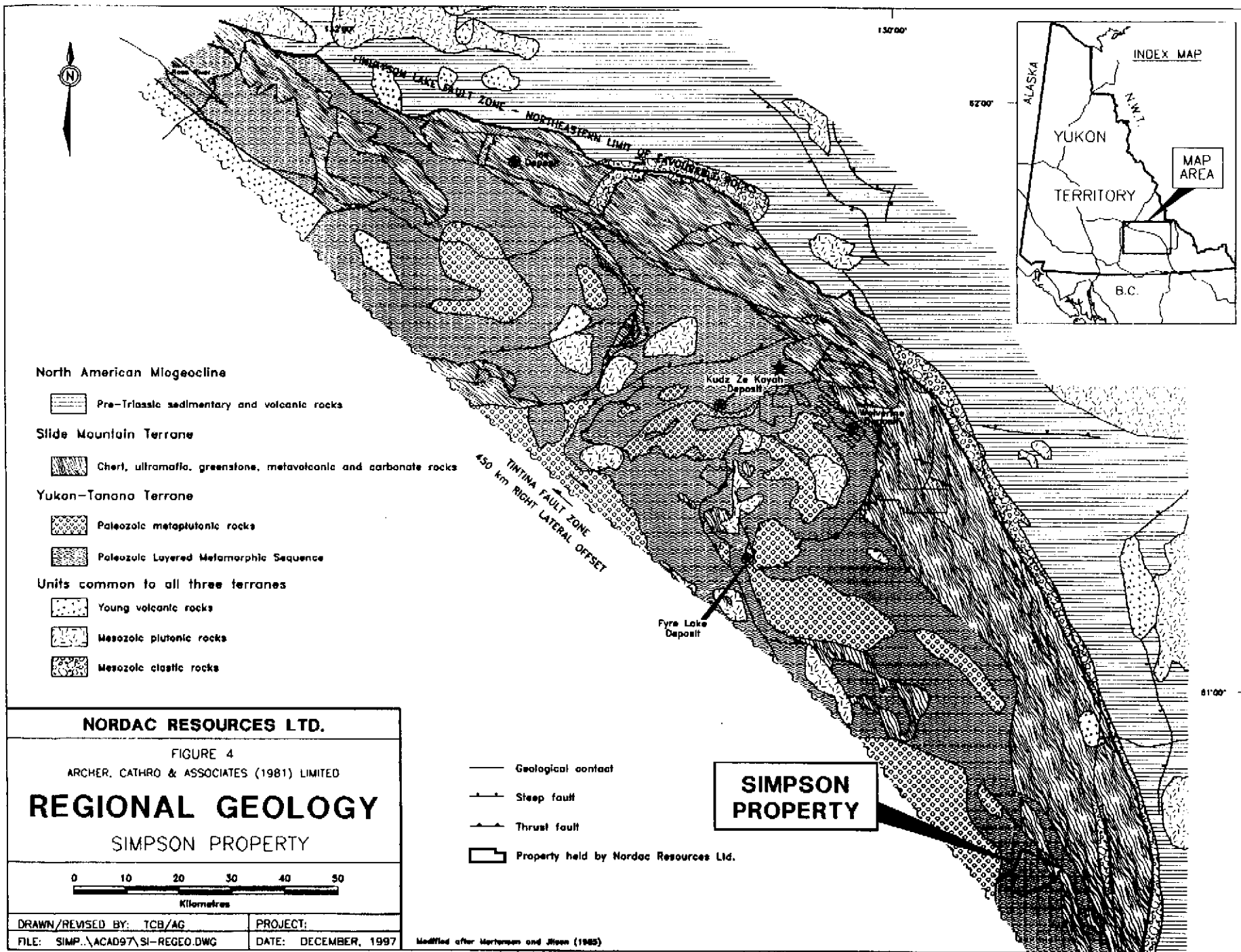
The Yukon-Tanana Terrane consists largely of Paleozoic continental margin and/or arc stratigraphy deposited on a continental basement of uncertain origin (Mortensen, 1992). The Yukon-Tanana Terrane in the Finlayson Lake area contains three major packages, collectively termed the Layered Metamorphic Sequence. The lowermost unit consists of garnet-mica schist with interbanded marbles, calc-silicates and calcareous schists near the top. The middle unit is a carbonaceous quartzite, schist or phyllite with rare conglomerates and locally extensive felsic and



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

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FIGURE 3 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
TECTONIC SETTING	
SIMPSON PROPERTY	
	
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Modified after Mortensen and Jilson (1985), Mortensen (1992) and Johnston and Mortensen (1994).



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FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

SIMPSON PROPERTY

**SIMPSON
PROPERTY**

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PROJECT:

FILE: SIMP.\ACAD97\SI-REGE0.DWG

DATE: DECEMBER, 1997

Modified after Mortenson and Jison (1985)

mafic volcanic interbands. Radiometric dating of the felsic metavolcanics in the Finlayson Block has consistently resulted in Late Devonian to Mississippian crystallization ages. Immediately south of Finlayson Lake, large isolated outcrops of marble and quartzite which are poorly dated as Early Pennsylvanian to Early Permian (Tempelman-Kluit, 1979) form the uppermost unit of the Yukon-Tanana Terrane.

This sequence of units is generally correlative with a similar stratigraphic sequence in ancestral North America (Mortensen and Jilson, 1985; Tempelman-Kluit, personal communication, 1996). The lowermost is correlated with the Lower Cambrian Atan Group and the middle carbonaceous assemblage is correlated with the offshore, Silurian-Devonian Nasina quartzite assemblage. The felsic volcanics are most similar to locally extensive Mississippian siliceous volcanics in the North American stratigraphy. Local calcareous phyllites and massive greenstones near the top of the lower unit are lithologically similar to the Kechika Group and Lower Paleozoic alkalic and potassic greenstones, respectively.

Gneiss and augen gneiss invariably occur low in the Yukon-Tanana succession beneath either the lowermost calcareous unit or the middle carbonaceous unit. Mortensen and Jilson (1985) considered the gneisses to be metamorphosed Mid-Paleozoic plutonic rocks. Conversely, Tempelman-Kluit (personal communication, 1996) considers these gneisses to be at least in part recrystallization of earlier stratigraphy. Radiometric dating of the gneisses has consistently resulted in Late Devonian to Mississippian ages (Mortensen, 1992). The gneisses occur in structural culminations with diameters on the order of 10 km and structural relief up to about 1 km.

The Devonian-Mississippian Simpson Suite (Mortensen, 1992) forms thick intervals of hornblende granodiorite and quartz monzonite higher in the Yukon-Tanana stratigraphic sequence. Mortensen and Jilson (1985) interpreted this suite as intrusive. Tempelman-Kluit (1979, personal communication, 1996) mapped the suite as an allochthonous slice emplaced on top of the structural pile.

Slide Mountain Terrane consists of Late Devonian to Late Triassic disrupted oceanic crust (Mortensen, 1992). Lithologies include massive and sheared greenstone, chert and mafic to ultramafic plutonic rocks occurring as fault-bounded slices along thrust faults and steep faults. These units are most abundant near the northeastern edge of the Finlayson Block but are also found throughout it.

Younger units unconformably overlie units from Slide Mountain, Yukon-Tanana and North American Terranes. Mesozoic clastic rocks are Late Triassic, immature sediments containing cobbles from both Slide Mountain and Yukon-Tanana Terranes. Young volcanic rocks consist of Late Cretaceous to Tertiary felsic volcanic flows and volcanoclastic deposits. They are usually found in close proximity to the Tintina Fault Zone.

Mesozoic intrusive activity in the Finlayson Block includes two suites. The first is comprised of several unmetamorphosed Early Jurassic mafic and intermediate composition plutons. The second suite consists of Late Cretaceous two-mica quartz monzonite and granite (Mortensen and Jilson, 1985).

Structurally Yukon-Tanana schists and gneisses contain a pervasive, flat- to gently-dipping foliation. Close examination of this fabric indicates that it commonly is a closely spaced crenulation cleavage. Large scale folds related to this fabric can rarely be mapped in the field. In most cases bedding and earlier fabrics are transposed into near parallelism with this dominant fabric. Later crenulation cleavages are present only locally. Some of the Cretaceous intrusions have a mild deformation fabric, others are massive and do not contain a foliation.

Thrust faults within the Finlayson Block juxtapose lithologic sequences with similar deformation fabrics. Thrusting postdates the Late Paleozoic Slide Mountain lithologies and predates the Cretaceous intrusives. Recent mapping also suggests, but does not definitively prove, the presence of major late extensional faults juxtaposing differing sequences (Tempelman-Kluit, personal communication, 1996). East-northeasterly trending, steep normal faults disrupt all earlier deformation fabrics.

Metamorphic grades range from lower greenschist facies to middle amphibolite facies. Contact hornfels around plutonic units occur locally.

Metamorphism and deformation are tentatively correlated with transpressive suturing of these suspect terranes with ancestral North America. Suturing is restricted to the time interval of post-Triassic continuing into the Cretaceous. Whether deformation is continuous or sporadic has not been fully verified at present.

The discovery of the Kudz Ze Kayah and Wolverine Deposits within the Finlayson Block in the last few years (Johnston and Mortensen, 1994) has refocused exploration activities in the area. Both deposits occur within metasedimentary and metavolcanic sequences of the Yukon-Tanana Terrane and are associated with felsic volcanics present in the middle unit of that terrane.

REGIONAL MINERALIZATION

A total of fifty-one mineral occurrences have been reported within the Finlayson Block (DIAND, 1995). Of these, twenty-one are known or suspected to be volcanogenic in origin while veins, skarns and asbestos occurrences comprise most of the remainder. Although the better known volcanogenic occurrences are thought to be of the Kuroko-type, some Besshi-type mineralization is also present (Morin, 1981; Johnston and Mortensen, 1994) and the recently discovered Ice Deposit is Cyprus-type. Two occurrences have definite economic potential, the Kudz Ze Kayah and Wolverine Deposits (Figure 4). These Kuroko-type occurrences are the main "type-deposits" for exploration at the Simpson property and are briefly described below.

The Kudz Ze Kayah (ABM) Deposit lies within Yukon-Tanana Terrane near the centre of the block (Cominco Exploration, 1995; Whiteway, 1995). It is a VMS deposit hosted by an overturned assemblage of felsic pyroclastics, aphanitic massive rhyolites and metasiliclastic rocks belonging to the middle unit of the *Layered Metamorphic Sequence*. Although both the sulphides and wallrocks are highly strained and exhibit pervasive schistosity, compositional layering in the vicinity of the deposit is relatively undeformed with a consistent, shallow northerly dip. Sphalerite, chalcopyrite and galena are the main economic minerals while the gangue includes various mixtures of magnetite, barite, pyrrhotite, pyrite and carbonate. The deposit averages about 18 m thick and has been traced 700 m along strike and up to 400 m downdip. Open pit mineable ore reserves are reported to be 11 million tonnes grading 5.9% zinc, 0.9% copper, 1.5% lead, 130 g/t silver and 1.3 g/t gold (Schultze, 1996). Preliminary studies suggest that satisfactory lead, zinc and copper concentrates can be produced using conventional flotation processes

(Cominco Exploration, 1995). The mineralization responds well to magnetic and electromagnetic surveys but geochemical response is somewhat erratic because the entire deposit is covered by 2 to 10 m of glacial till.

The Wolverine Deposit is located 25 km east of the Kudz Ze Kayah property near a contact between Yukon-Tanana and overlying Slide Mountain rocks. It consists of the Wolverine and Lynx Zones which are hosted by rhyolitic metavolcanics and argillites lying within the middle unit of the Layered Metamorphic Sequence. The mineralization consists primarily of semi-massive to massive pyrite and sphalerite with varying amounts of galena, chalcopyrite, tetrahedrite and native gold. The surface expression of the Wolverine Zone is marked by a vegetation kill zone containing weakly malachite-stained argillite while the Lynx and Sable Zones are blanketed by glacial till. Westmin has traced the deposit 700 m along strike and up to 450 m downdip. The mineralization averages about 6 m thick and dips shallowly to the north. The Sable Zone, which lies about 1500 m to the southeast, was discovered in late 1997 when two holes yielded high grade intersections over narrow widths. All three zones contain significantly more zinc and precious metals than Kudz Ze Kayah. The most recent geological inventory is reported to be 6,237,000 tonnes grading 12.66% zinc, 1.33% copper, 1.55% lead, 370.9 g/t silver and 1.76 g/t gold (Westmin News Release, January 15, 1998). Soil geochemistry outlined weakly to moderately anomalous values along the projected surface trace of the deposit while magnetic surveys easily traced a laterally extensive, banded iron formation which occurs about 50 m up-section from the massive sulphide horizon. Interpretation of electromagnetic results is complicated by the presence of graphite within the argillite.

REGIONAL GEOCHEMISTRY

Published geochemical data for the Simpson Range is limited to reconnaissance scale lake bottom sediment sampling published in 1994 by the GSC (Friske et al, 1990). Only two lake sediment samples within the Yukon-Tanana belt returned strong multi-element anomalies. One of these, Sample 105A 931099, was taken from a small lake immediately southeast of the property while the other was taken from Sambo Lake (Sample 105A 931100) approximately 2 km further to the southeast. Sample 105A 931099 returned the highest value from the entire survey area for lead, a strongly anomalous (>98 percentile) value for copper, moderately anomalous values (>95 percentile) for silver and barium and weakly anomalous (>90 percentile) zinc results. Similarly, the maximum value for barium in the survey data was returned from Sample 105A 931100 as well as strongly anomalous lead, moderately anomalous cobalt and weakly anomalous zinc, silver and copper values.

Nordac was able to supplement the published reports with private data summarizing results of 1973 exploration in the Finlayson Lake area managed by Archer Cathro on behalf of a joint venture (Cathro, 1973). The data base from this program does not extend as far south as the Simpson property but it is worthwhile reviewing because it provides a context for evaluating Nordac's stream sediment and soil geochemical results. The Archer Cathro data base included approximately 5000 soil and stream sediment samples collected at an approximate density of one sample per square km. They were all analyzed for lead, zinc, copper and molybdenum.

The following illustrates regional background and anomalous thresholds.

Geochemical Backgrounds and Anomalous Thresholds

	<u>Background</u> (ppm)	<u>Anomalous Threshold</u>			<u>Peak Value</u> (ppm)
		<u>Weak</u> (ppm)	<u>Moderate</u> (ppm)	<u>Strong</u> (ppm)	
Copper	25	50	100	200	1720
Lead	30	50	100	200	>4000
Zinc	80	200	500	1000	>4000
Molybdenum	<1	2	5	10	65

Copper, lead and zinc are major metals in known VMS deposits in the Finlayson Lake area and are obvious indicator elements. Molybdenum is present in anomalous quantities in the banded iron formation overlying the Wolverine Deposit (H. Meade, personal communication) and appears to be slightly enriched in the felsic metavolcanic rocks. Based on the geochemical signature in the vicinity of known occurrences, its presence can be used to distinguish copper anomalies associated with volcanogenic mineralization from those derived from ultramafic rocks.

PROPERTY GEOLOGY AND SURFACE MINERALIZATION

The Simpson property is underlain by a sequence of layered metamorphic rocks plus an extensive granitic gneiss and a number of small intrusions. The metamorphic sequence is largely comprised of quartz-muscovite and quartz-chlorite-muscovite schist which have felsic to intermediate volcanic protoliths (Figure 5). A few thin magnetite-bearing, biotite rich horizons that represent a more mafic protolith are also present. The metamorphic rocks were initially assigned a Proterozoic (Hadrynian) age by the GSC (Gabielse, 1967) but have more recently been correlated with the Paleozoic Layered Metamorphic Sequence of the Finlayson Lake area (Mortensen and Jilson, 1985). Furthermore, Mortensen (personal communication, 1994) characterizes the Simpson property stratigraphy as a localized felsic volcanic centre within the same Late Devonian-Mississippian units that hosts the Kudzu, Ze Kayah and Wolverine Deposits.

Six units recognized on the property are described below in approximate order of formation.

Lithology

Quartz-chlorite-muscovite schist is the most abundant rock type on the property. It varies widely in colour and texture but is dominantly greyish green or white and well foliated with local mylonitic laminae. Relict quartz eyes and feldspar phenocrysts are common and are generally between 2 and 4 mm in diameter. Alteration minerals include talc which is best developed in footwall stratigraphy and sericite which is primarily seen in hanging wall strata. Feldspar-rich horizons are often weakly to moderately clay altered throughout the section.

Quartz-muscovite±biotite schist is recognized as a separate unit within the schist package. It is well foliated, grey to tan on fresh surfaces and rusty weathering. Fine disseminated cubic pyrite occurs parallel to laminae and comprises between 2 and 20% of the rock.

Phyllite is black and fissile. It contains varying amounts of sericite and graphite and occurs as thin (<1 m thick) conformable horizons within the schist package. One horizon is situated about 20 m topographically above the main mineralized outcrop on the property. Similar but slightly thicker horizons were intersected in the drill holes.

Metatuff is mottled grey to light brown, aphanitic and silicious. This unit is mainly recognized in drill holes and occurs as interfoliated layers up to 27 m thick within the schists. Quartz and feldspar phenocrysts are locally visible, ranging between 1 and 3 mm in diameter. Contacts are generally well preserved and sharp.

Granitic gneiss is tan to grey, moderately sheared and blocky weathering. It is comprised of approximately 60 to 70% pink orthoclase, 20% grey quartz megacrysts and 10 to 20% chlorite after hornblende. Quartz and feldspar augen ranges between 2 to 30 mm in diameter. Foliation and cataclastic textures are also evident but are poorly developed.

Gabbro is dark green, coarse grained and moderately to strongly magnetic. It is comprised of plagioclase and clinopyroxenes. This unit is only observed as talus on steep slopes but it is believed to represent a mafic dyke or sill within the metavolcanic package.

Dacite porphyry is a light brown to orange weathering, trachytic textured unit which consists of plagioclase and biotite phenocrysts in a brown aphanitic groundmass. Exposures are limited to a few outcrops in the northwestern part of the claim block. Moderate manganese staining is common.

Structure

The metavolcanic rocks are bordered on the southwest and northeast by granitic gneiss of the Mid-Mississippian Simpson Range plutonic suite (Mortensen and Jilson, 1985). The northeastern contact between the two units strikes northwesterly and is relatively planar. Recent detailed geological mapping suggests the metavolcanics have been thrust onto the granitic gneiss. The southwestern contact has not been located and its nature is unknown.

Structurally, the metavolcanic rocks form a competent laterally extensive package. Foliation is pervasive and only minor gentle folding is recognized. Compositional layering generally parallels foliation which strikes northwesterly and dips gently southwesterly. Slaty cleavage is observed in all the drill holes and is generally developed obliquely (between 10 and 30°) to foliation. Gouge zones up to several metres wide are also observed in drill core. Some of the gouge zones appear to correspond to topographic linears at surface and are interpreted as faults. No sense of motion has been determined for these structures.

Quartz-carbonate veins and veinlets are seen in float and most of the drill holes. They form irregular crosscutting masses of white quartz and buff weathering calcite with massive chlorite selvages. Interfoliated wisps and folded schist bands are common within the veins.

Fractures generally cut foliation obliquely and are commonly oxidized up to a depth of 80 m below surface.

Mineralization

Four main areas of mineralized float and/or outcrop have been discovered in the north-central part of the claim block. Three of the showings are stratiform type occurrences while the fourth is a vein. The showings are described in the following paragraphs and rock sample locations from 1996 and 1997 are illustrated in Figure 6.

i) The RFG and BW Zones are the principal mineral occurrences discovered to date. They are approximately 350 m apart and are believed to represent a single horizon within the package of metavolcanic rocks.

The RFG Zone is approximately 30 cm thick at surface and has been traced along strike to the east for about 12 m. Mineralization consists of weakly to moderately oxidized sphalerite-galena±chalcopyrite laminae within siliceous muscovite-chlorite schist. Specimens collected from the RFG Zone returned up to 2.17% copper, 10.50% lead, 7.60% zinc and 174.0 g/t silver. Hand trenches excavated along strike did not reach bedrock because they encountered thick glacial till and permafrost.

The BW Zone is located 350 m to the east and consists of a 2 to 5 cm thick boudinaged horizon of partially oxidized galena and sphalerite within manganese-stained quartz-muscovite-chlorite schist. Specimens returned values up to 1.57% copper, 2.83% lead, 4.25% zinc, 185.0 g/t silver and 160 ppb gold.

A 20 cm thick band of black phyllite overlies both occurrences and may represent a post mineralizing period of quiescence.

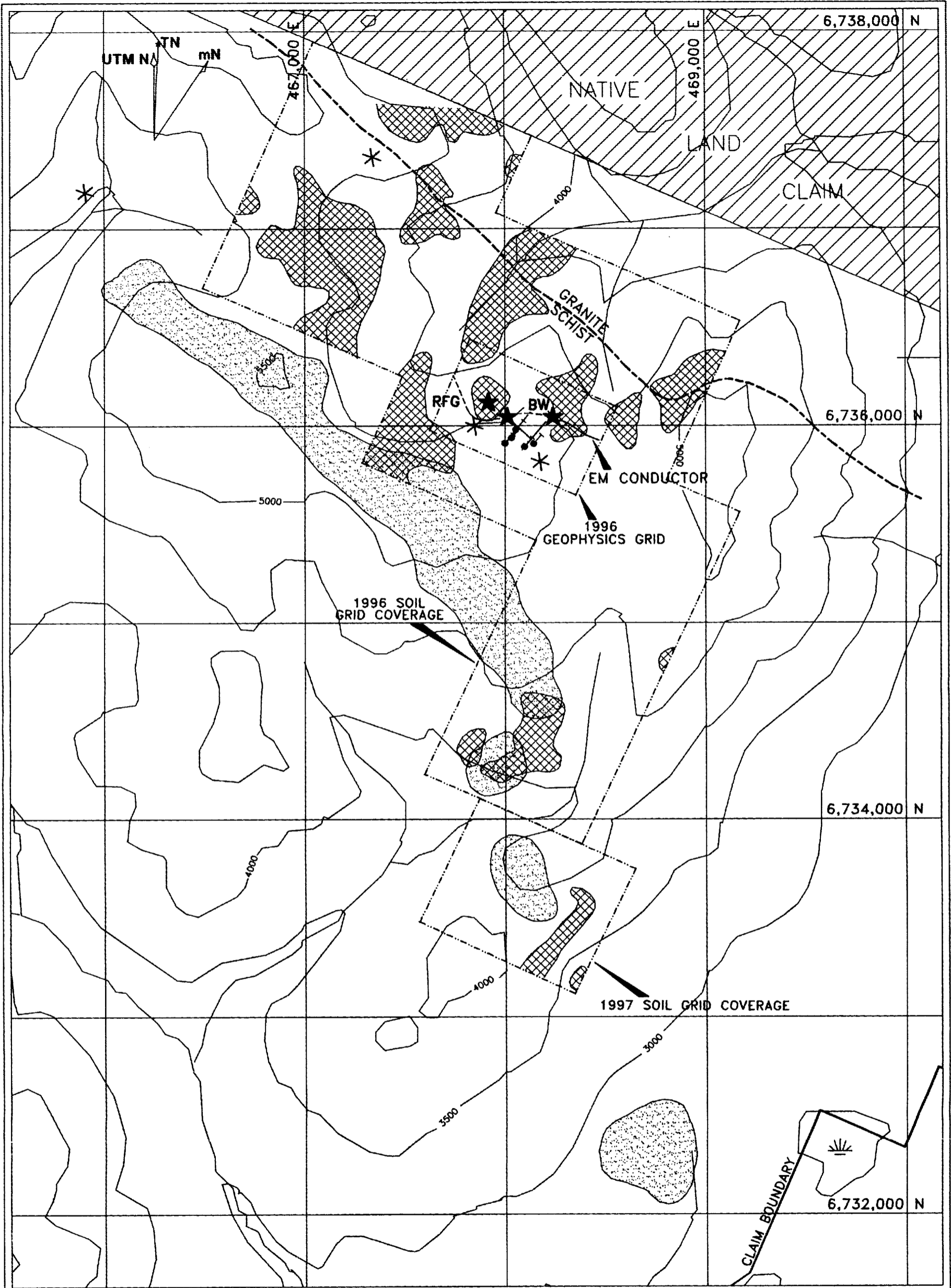
- ii) A mineralized float train is located 65 m upslope of the RFG Zone. The float is similar in character to the mineralization in the RFG Zone but not as high grade. Hand pits failed to locate the source of the float however, it is believed to be approximately 55 m topographically above the RFG horizon. Float specimens returned up to 0.16% copper, 3.51% lead, 4.64% zinc and 42.5 g/t silver.
- iii) White sucrosic barite float with laminated or bedded texture is found in a gully above the RFG Zone. Talus fragments up to 30 cm thick have been traced to an area 75 m above the RFG horizon. Interlaminated purple fluorite occurs in several specimens and in drill core. Similar barite float is located about 400 m along strike to the east and 2300 m to the west in a southerly-facing cirque.
- iv) Abundant barite-fluorite-galena float is scattered in talus just below a ridge crest along the northern granitic gneiss/metavolcanic contact. The barite is white to red in colour and sucrosic with 5 to 10% intergrowths of crystalline purple fluorite and <1% cubic galena. The coarse grain size and symmetrical banding observed in the mineralized specimens suggest a vein source of uneconomic dimensions. Quartz vein float with minor malachite and galena also occurs in the area. No specimens of either type of mineralization have been analyzed.

PROPERTY GEOPHYSICS

A helicopter-borne, EM-resistivity-magnetic survey was conducted over the Simpson property in early 1996 by Dighem. In summer 1996 Amerok Geosciences Ltd. conducted a 5.4 line kilometre ground horizontal loop electromagnetic (HLEM) and total magnetic field survey in an area centred on the mineralized outcrops.

The airborne survey outlined a weak to moderate, semi-continuous, 4000 by 300 m magnetic high that trends subparallel to the general trace of compositional layering in the metavolcanic sequence (Figure 7). The anomaly lies 500 to 700 m southwest of the RFG and BW Zones and contains the magnetic gabbro float occurrence. Electromagnetic response from the airborne survey was subdued.

HLEM data from the ground survey suggests a subtle flat-lying or very shallowly-dipping conductor that approximately coincides with the surface trace of the mineralized horizon, as shown on the compilation map. There is no ground magnetic response associated with the conductor.



Mineral showing



Barite float



Aeromagnetic anomaly
contoured at 57795 nT



1997 Diamond drill hole



Soil geochemical exploration target
>50 ppm lead and/or >200 ppm zinc

NORDAC RESOURCES LTD.

FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COMPILATION

SIMPSON PROPERTY

SCALE 1:20,000



DRAWN/REVISED BY: /AG

PROJECT: NORDAC

FILE: NDR, SIMPSON, ACD097A-S-COMP.DWG

DATE: DECEMBER, 1997

PROPERTY GEOCHEMISTRY

Soil geochemical surveys conducted between 1995 and present include stream sediment sampling, reconnaissance soil sampling along contours and claim lines and grid soil sampling in selected areas. Sample locations are illustrated on Figure 6. Survey control for the grid sampling is provided by three baselines that were cut and cleared to line-of-sight. Baselines are slope corrected and marked at 100 m intervals by 1 m lath bearing aluminium tags inscribed with grid coordinates. Grid soil sampling was done at 100 m intervals along lines spaced 100 m apart and oriented perpendicular to baselines. Sample sites are marked by 50 cm lath with aluminum tags showing the grid coordinates and sample number.

The 1997 soil sampling encompasses a 900 by 800 m area at the southern end of the pre-existing grid. B and/or C Horizon soil was collected and sent to Chemex Labs Ltd. of North Vancouver, B.C. where it was dried, sieved to -80 mesh, dissolved in nitric-acid regia and analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Certificates of Analysis for the 1997 samples are contained in Appendix III. Results for four VMS indicator elements (lead, zinc, copper, silver) are illustrated on Figures 8 to 11 while anomalous thresholds and peak values for soil samples are as follows.

ANOMALOUS THRESHOLDS AND PEAK VALUES (ppm)

<u>Element</u>	<u>Weak</u>	<u>Moderate</u>	<u>Strong</u>	<u>1996 Peak Value</u>	<u>1997 Peak Value</u>
Lead	50	100	200	1150	242
Zinc	200	500	1000	1565	332
Copper	50	100	200	314	58
Silver	1	2	5	9.8	0.8

Lead is the most anomalous of the metals. The majority of the anomalous values occur in clusters in three parts of the grid. The strongest and largest anomaly is in the northern portion of the grid where a series of clusters form a broad 1800 m long, southeasterly-trending target that encompasses the RFG and BW Zones. The shape of the anomaly is somewhat irregular, in part because of downhill dispersion. Isolated areas within the anomaly exhibit strong zinc, silver and/or copper support.

The other two anomalies are situated 1800 and 2800 m to the south. Both are defined by weak lead response with coincident zinc support. These anomalies each cover a 400 by 200 m area and are situated on either side of a drainage from which stream sediment samples returned strongly anomalous zinc values and moderately anomalous lead values. The area is heavily vegetated and follow-up prospecting in the vicinity of high values failed to explain the anomalies.

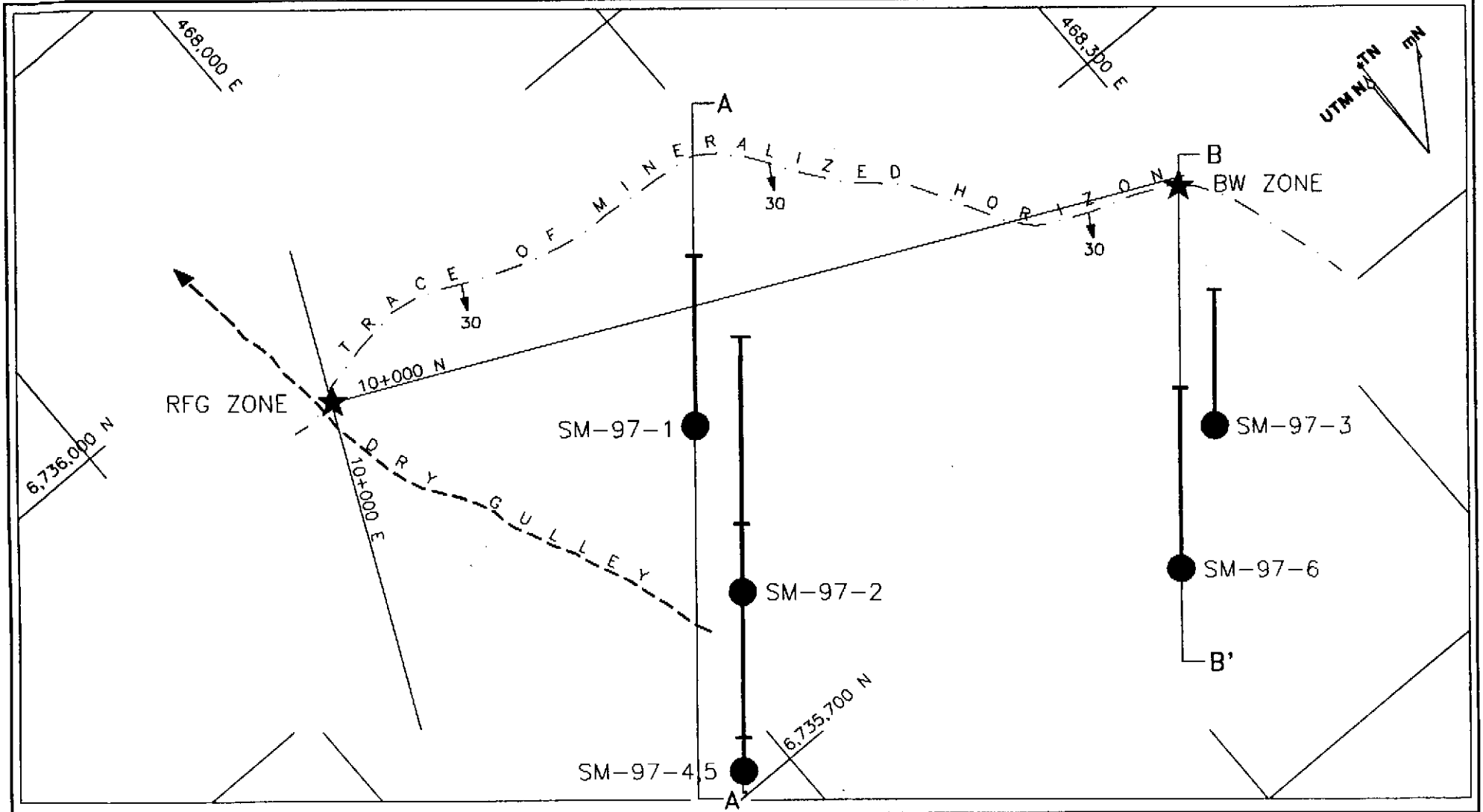
1997 DIAMOND DRILLING

A Longyear 38 diamond drill was mobilized to the property from the trailer camp at Km 100 on the Robert Campbell Highway. A total of 980 m of HQ and NQ drilling was completed in six holes. Drill crew and machinery were contracted from E. Caron Diamond Drilling Ltd. of Whitehorse, Yukon. All core was flown to the trailer camp where it was geologically and geotechnically logged on a daily basis. Deviation of the holes was checked with an acid dip test taken near the bottom of each hole. All collar locations were marked in the field with wooden posts bearing inscribed aluminium tags. The core is currently stored at the drill contractor's compound at MacRae, some 15 km south of Whitehorse. Drill hole locations are illustrated on Figure 12 while survey data are listed below.

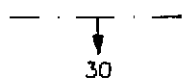
1997 DRILL HOLE SURVEY DATA

<u>DDH</u>	<u>Easting</u>	<u>Northing</u>	<u>Azimuth (°)</u>	<u>Dip (°)</u>	<u>Length (m)</u>
SM-97-1	10+158	9+989	040	-55	148.4
SM-97-2	10+180	9+914	040	-55	209.4
SM-97-3	10+394	9+988	040	-55	96.6
SM-97-4	10+180	9+836	040	-55	215.2
SM-97-5	10+180	9+836	040	-85	183.5
SM-97-6	10+376	9+926	040	-55	127.1

After logging, selected sections of the core were split. Samples were sent to Chemex Labs where they were crushed to -150 mesh using a chrome steel ring mill and routinely analyzed for 32 elements by the ICP technique. Some samples were also assayed for copper, lead, zinc and silver. Certificates of Analysis appear in Appendix III and Synoptic Logs in Appendix IV.



Diamond drill hole



Projected surface trace with apparent dip

NORDAC RESOURCES LTD.

FIGURE 12
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

DRILL HOLE LOCATION
SIMPSON PROPERTY

SCALE 1:2500

0 30 60 90 120 150

DRAWN/REVISED BY: AB	PROJECT: NORDAC
FILE: C:\NOR\ACAD97\B-DHLOC.DWG	DATE: DECEMBER, 1997

Drill Results

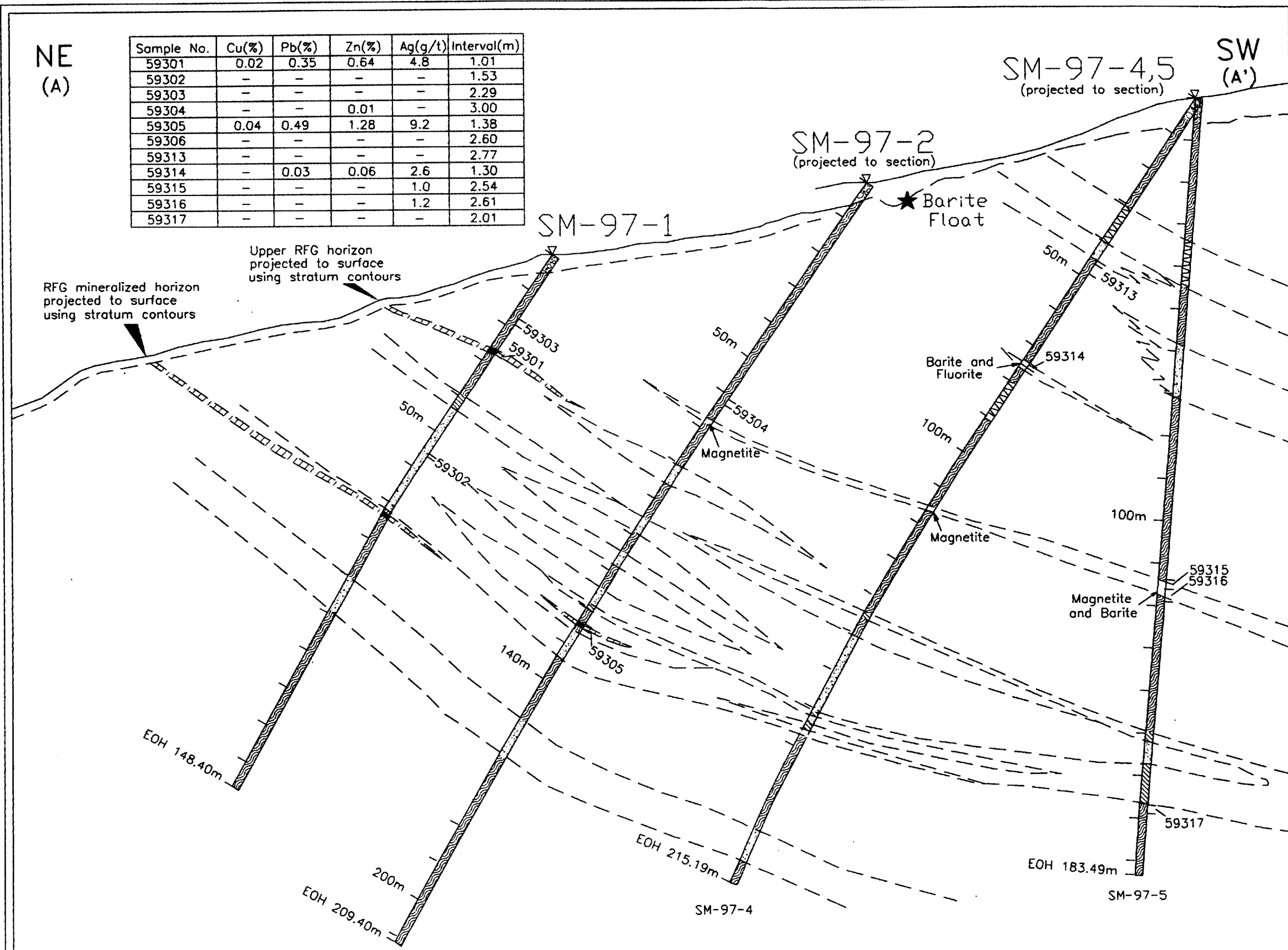
Drill holes SM-97-1, 2, 4 and 5 are located on Section A-A' (Figure 13) approximately 170 m southeast along strike from the mineralized outcrop of the RFG Zone. Section B-B' contains holes SM-97-3 and 6 (Figure 14) and is located 200 m further along strike. The holes intersect the target horizon roughly 70 m apart along the section line and have tested stratigraphy approximately 200 m downdip. The sections show a gently southwesterly-dipping package of dominantly quartz-chlorite-muscovite schists with interbanded metatuff and graphitic to sericitic phyllite. A barite/magnetite horizon was also intersected in the three deepest holes on Section A-A' approximately 40 m above the phyllite unit. The lithologies generally form continuous horizons but some facies changes are indicated. Perhaps significantly, the phyllite and magnetite horizons are thickening at depth. Gouge zones are present in some holes but faulting cannot be substantiated as there does not appear to be any significant displacement of the stratigraphy.

Sulphide mineralization was encountered in four of six holes (SM-97-1, 2, 3 and 6). The mineralized intervals show good correlation with the projected surface trace of the mineralized outcrops. Section A-A' illustrates two discontinuous mineralized zones separated by about 45 m of dominantly metatuff stratigraphy. The lower lens which is correlated with the RFG Zone is distinctly developed within quartz-chlorite-muscovite schist near the basal contact of the thickest metatuff horizon. Sphalerite, galena and pyrite occur as thin bands and disseminations parallel to foliation within the schist. The best intersection returned 0.49% lead, 1.28% zinc and 9.2 g/t silver across 1.38 m. The projection of the upper RFG Zone was only intersected in SM-97-1.

NE
(A)

Sample No.	Cu(%)	Pb(%)	Zn(%)	Ag(g/t)	Interval(m)
59301	0.02	0.35	0.64	4.8	1.01
59302	-	-	-	-	1.53
59303	-	-	-	-	2.29
59304	-	-	0.01	-	3.00
59305	0.04	0.49	1.28	9.2	1.38
59306	-	-	-	-	2.60
59313	-	-	-	-	2.77
59314	-	0.03	0.06	2.6	1.30
59315	-	-	-	1.0	2.54
59316	-	-	-	1.2	2.61
59317	-	-	-	-	2.01

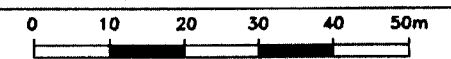
SM-97-4,5
(projected to section) SW
(A')



- Overburden
- Quartz-chlorite-muscovite schist
- Phyllite
- Metatuff
- Mineralization
- Showing
- Gauge
- 59316 Sample number

NORDAC RESOURCES LTD.

FIGURE 13
ARCHER, GATHRO & ASSOCIATES (1991) LIMITED
CROSS SECTION
HOLES SM-97-1,2,4,5
SIMPSON PROPERTY



NE
(B)

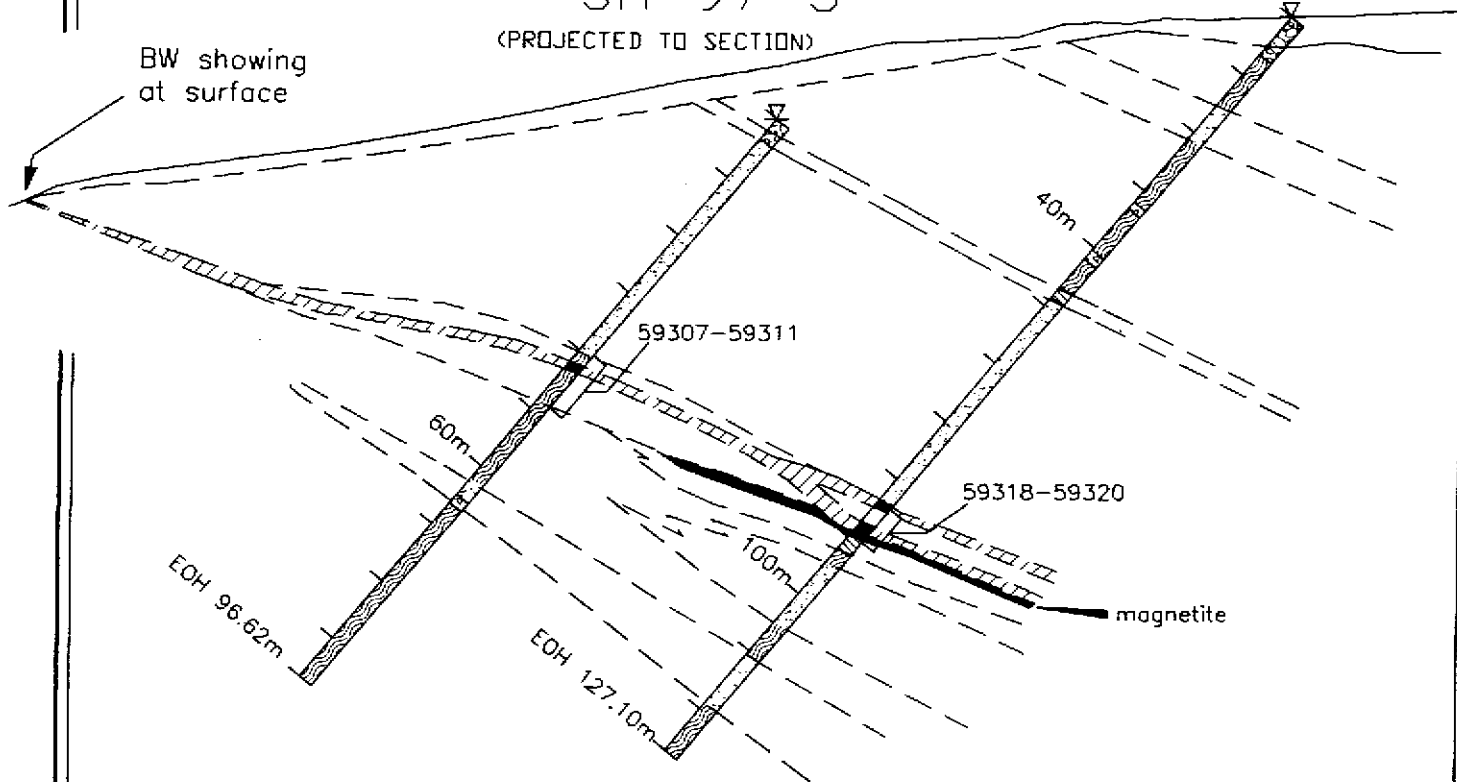
SW
(B')

SM-97-6







SM-97-3

(PROJECTED TO SECTION)

BW showing
at surface



Sample No.	Cu(%)	Pb(%)	Zn(%)	Ag(g/t)	Interval(m)
59307	-	-	0.27	0.6	2.00
59308	-	0.03	0.17	1.4	2.00
59309	0.19	0.06	7.82	31.0	0.30
59310	-	-	0.05	-	2.46
59311	0.01	0.04	0.18	1.2	2.65
59318	0.04	0.46	0.65	8.0	1.10
59319	-	0.03	0.03	0.2	2.65
59320	0.16	0.42	2.00	16.4	1.25

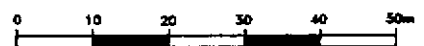
-  Overburden
-  Quartz-chlorite-muscovite schist
-  Phyllite
-  Quartz ± carbonate vein
-  Metatuff
-  Mineralization
- 59318 Sample number

NORDAC RESOURCES LTD.

FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
HOLES SM-97-3, 6**
SIMPSON PROPERTY



DRAWN/REVISED BY: AS

PROJECT: NORDAC

FILE:G:\NORDAC\07A\97-3-5526.DWG

DATE: DECEMBER, 1987

This mineralization occurs within a thick sequence of quartz-chlorite-muscovite schist. A 1.01 m interval of wispy and disseminated sphalerite, galena and pyrite yielded 0.35% lead, 0.64% zinc and 4.8 g/t silver.

Lateral continuity and thickness of the RFG Zone appears to increase in Section B-B'. SM-97-3 and 6 both encountered a metal enriched horizon measuring 4.30 and 5.00 m thick, respectively. This horizon again occurs at the metatuff/schist contact. Mineralization consists of wispy and disseminated sphalerite, galena, chalcopyrite, pyrite and/or magnetite. Both intersections exhibit narrow intervals of banded semi-massive sulphides within broader zones of disseminated mineralization. A 30 cm interval from SM-97-3 returned 0.19% copper, 0.06% lead, 7.82% zinc and 31.0 g/t silver. The weighted average results across the entire 4.30 and 5.00 m intervals were both less than 1% combined lead-zinc with 3.1 and 6.0 g/t silver, respectively.

CONCLUSIONS AND RECOMMENDATIONS

The Simpson property lies within the Yukon-Tanana Terrane and is largely underlain by a thick section of metavolcanic rocks similar to those hosting VMS mineralization at the Kudz Ze Kayah and Wolverine Deposits. Soil geochemistry, geophysical surveys and prospecting have identified a number of VMS targets on the property, only one of which was partially tested by drilling in 1997.

Diamond drilling along strike and downdip from mineralized outcrops encountered a typical Kuroko-type VMS host assemblage consisting of a gently-dipping, stacked and interfingering package of felsic and intermediate volcanic rocks. Narrow, discontinuous mineralization was intersected at two stratigraphic levels. Graphitic phyllite horizons occur at about the same level and likely represent shallow submarine basinal facies developed during periods of volcanic quiescence. A magnetite-barite exhalite located approximately 10 to 60 m up-section from the mineralized horizons may be analogous to the magnetic marker horizon overlying the Wolverine Deposit.

Sulphide intersections, although narrow and sub-economic in grade, are consistent with a distal Kuroko-type metal assemblage. Metal zonation in Kuroko deposits is characterized by a copper rich vent proximal facies overlain by lead-zinc mineralization. Horizons enriched in zinc are normally more laterally extensive than the deposits. Barite usually overlies the deposits and forms distal facies of the mineralized horizons. Sulphide intervals in the Simpson property drill core are all enriched in zinc (up to 7.82% across 0.30 cm) while lead and copper are only moderately and weakly elevated.

The 1997 drill program has provided significant source vectors for future exploration. Drill cross sections show substantial thickening of the graphitic phyllite horizons and magnetite/barite exhalite downdip and along strike to the south. This interpretation is supported by a strong aeromagnetic anomaly located east of the drill area. The increased abundance of graphitic sediments may be indicative of a basinal environment which is favourable for sulphide accumulation. The sections also demonstrated lateral continuity of the RFG sulphide horizon over a strike length of approximately 350 m.

Further exploration should consist of diamond drilling both downdip and to the south of the current drill area. The depth of drill holes will not increase substantially in the downdip direction because topography crests just east of the last hole and then starts to descend. This drilling should be done in conjunction with additional geological mapping, prospecting and hand trenching. Detailed mapping is required in the drill area to better understand possible faults and their effects on stratigraphy while prospecting and hand trenching should concentrate on newly established geochemical anomalies and tracing barite exhalite float.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



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

GPS DATA

**Simpson 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			
SM 97-1	1566	6736004	468066	Standard	RR	06-Aug-97
SM 97-2	1563	6735833	468058	Standard	RR	06-Aug-97
SM 97-3	1551	6735859	468259	Standard	RR	06-Aug-97
SM 97-4 / 5	1605	6735875	468011	Standard	RR	06-Aug-97
SM 97-6	1569	6735814	468197	Standard	RR	06-Aug-97

B. Nordac Resources Ltd. Claim Posts

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
D2	1, 2	31, 32	6737482	468940	Standard	W	13-Aug-96
	3, 4	1, 2	6737307	467341	Standard	W	13-Aug-96
	5, 6	3, 4	6737178	467705	Standard	W	13-Aug-96
	7, 8	5, 6	6737036	468082	Standard	W	18-Aug-96
D2	11, 12	9, 10	6736715	468882	Standard	W	18-Aug-96
D2	17, 18	15, 16	6736430	467337	Standard	W	18-Aug-96
	19, 20	17, 18	6736223	467709	Standard	W	18-Aug-96
	21, 22	19, 20	6736026	468095	Standard	W	18-Aug-96
D2	25, 26	-	6737043	465713	Standard	W	14-Aug-96
	27, 28	25, 26	6736908	466063	Standard	W	14-Aug-96
	29, 30	-	6737810	468053	Standard	W	13-Aug-96
	31, 32	29, 30	6737642	468485	Standard	W	13-Aug-96
D2	35, 36	23, 24	6735591	468904	Standard	W	18-Aug-96
D2	39, 40	-	6735788	466138	Standard	W	13-Aug-96
	43, 44	41, 42	6735524	466976	Standard	W	13-Aug-96
	47, 48	45, 46	6735272	467808	Standard	W	13-Aug-96
	51, 52	49, 50	6735006	468610	Standard	W	13-Aug-96
	57, 58	65, 66	6734187	468273	Standard	W	17-Aug-96

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
D2	73, 74	71, 72	6733881	466577	Standard	W	30-Aug-96
D2	83, 84	-	6733099	466313	Standard	W	20-Aug-96
D2	93, 94	11, 12	6736567	469279	Standard	W	18-Aug-96
	95, 96, 234, 235		6736096	465739	Standard	W	13-Aug-96
	97, 98	95, 96	6737652	465562	Standard	W	13-Aug-96
	99, 100	97, 98	6737249	465391	Standard	W	13-Aug-96
	-	99, 100	6736842	465215	Standard	W	13-Aug-96
	101, 102	-	6736483	465961	Standard	W	14-Aug-96
	105, 108	103, 104	6735845	465763	Standard	W	14-Aug-96
	-	107, 108	6734826	465428	Standard	W	14-Aug-96
D2	137, 138	135, 136	6732266	469926	Standard	W	30-Aug-96
D2	162, 163	160, 161	6734703	465466	Standard	W	30-Aug-96
D2	172, 173	-	6733514	465922	Standard	W	20-Aug-96
	176, 177	174, 175	6733838	465098	Standard	W	20-Aug-96
	180, 181	178, 179	6734168	464283	Standard	W	20-Aug-96
	-	184, 185	6734688	463022	Standard	W	20-Aug-96
D2	-	170, 171	6735519	463458	Standard	W	30-Aug-96
D2	204, 205	-	6731259	466726	Standard	W	16-Aug-96
	208, 209	206, 207	6731526	465962	Standard	W	16-Aug-96
	212, 213	210, 211	6731799	465174	Standard	W	16-Aug-96
	216, 217	214, 215	6732137	464425	Standard	W	16-Aug-96
	-	218, 219	6732643	463891	Standard	W	16-Aug-96
D2	220, 221	-	6730482	465970	Standard	W	16-Aug-96
	222, 223	220, 221	6730633	465586	Standard	W	16-Aug-96
	224, 225	222, 223	6730803	465215	Standard	W	16-Aug-96
	228, 229	226, 227	6731151	464461	Standard	W	16-Aug-96
	232, 233	230, 231	6731488	463728	Standard	W	16-Aug-96
	-	232, 233	6731619	463442	Standard	W	16-Aug-96
	-	234, 235	6738504	465923	Standard	W	13-Aug-96

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

Project: SIMPSON
Comments: ATTN: BILL WENGZYNOWSKI

Page Number: 1
Total Pages: 1
Certificate Date: 16-MAR-98
Invoice No.: 19813936
P.O. Number:
Account: MTT

CERTIFICATE OF ANALYSIS

A9813936

SAMPLE	PREP CODE	Se ppm									
59301	244 287	0.6									
59305	244 287	1.0									
59308	244 287	0.2									
59309	244 287	6.8									
59318	244 287	1.4									
59319	244 287	< 0.2									
59320	244 287	4.8									

CERTIFICATION: Hart Buchler



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 : SIMPSON
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 25-AUG-97
Invoice No. : 19739095
P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS

A9739095

SAMPLE	PREP CODE	Zn %											
59320	244 --	2.00											

CERTIFICATION:



Chemex Labs Ltd.

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

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

Project: SIMPSON
 Comments:

Page: 1 of 1
 Total Pages: 1
 Certificate Date: 24-AUG-97
 Invoice No.: I9738338
 P.O. Number:
 Account: MTT

CERTIFICATE OF ANALYSIS A9738338

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
BB27651	201 202	0.4	1.43	10	290	0.5	< 2	0.57	2.0	5	18	13	1.75	< 10	1	0.13	30	0.30	440	< 1
BB27652	201 202	0.4	1.42	10	320	0.5	< 2	0.63	2.0	5	18	13	1.66	< 10	< 1	0.13	40	0.29	470	< 1
BB27653	201 202	0.2	1.36	8	310	0.5	< 2	0.53	1.5	5	17	12	1.69	< 10	1	0.13	30	0.28	400	1
BB27654	201 202	0.2	1.23	6	290	< 0.5	< 2	0.53	1.5	4	16	12	1.56	< 10	< 1	0.12	30	0.27	385	< 1
BB27655	201 202	0.2	1.05	18	520	< 0.5	< 2	0.71	3.0	5	21	12	1.48	< 10	< 1	0.13	30	0.24	520	< 1
BB27656	201 202	0.2	0.92	10	430	< 0.5	< 2	0.54	2.5	4	18	11	1.37	< 10	< 1	0.11	30	0.22	405	1
BB27657	201 202	0.2	0.90	14	450	< 0.5	< 2	0.66	2.0	4	19	12	1.33	< 10	< 1	0.11	30	0.21	440	1
BB27658	201 202	0.2	0.86	12	460	< 0.5	< 2	0.72	2.5	4	17	13	1.29	< 10	< 1	0.12	30	0.20	435	< 1
BB27659	201 202	0.2	0.83	12	480	< 0.5	< 2	0.73	3.0	4	17	13	1.29	< 10	< 1	0.12	30	0.19	465	< 1
BB27660	201 202	0.2	0.81	14	460	< 0.5	< 2	0.70	3.0	4	17	13	1.24	< 10	< 1	0.12	40	0.19	370	< 1
BB27662	201 202	0.6	1.37	13	260	0.5	< 2	0.50	1.5	5	16	14	1.67	< 10	< 1	0.10	30	0.26	450	< 1

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: SIMPSON
 Comments:

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 24-AUG-97
 Invoice No.: 19738338
 P.O. Number:
 Account: MTT

CERTIFICATE OF ANALYSIS

A9738338

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
BB27651	201 202	< 0.01	12	630	46	< 2	3	40	0.03	< 10	< 10	20	< 10	208
BB27652	201 202	< 0.01	11	640	38	< 2	3	43	0.03	< 10	< 10	20	< 10	196
BB27653	201 202	< 0.01	10	550	46	< 2	3	40	0.03	< 10	< 10	19	< 10	194
BB27654	201 202	< 0.01	11	550	40	< 2	2	38	0.02	< 10	< 10	18	< 10	184
BB27655	201 202	< 0.01	11	610	52	< 2	2	46	0.01	< 10	< 10	16	< 10	386
BB27656	201 202	< 0.01	9	510	42	< 2	1	37	0.01	< 10	< 10	14	< 10	366
BB27657	201 202	< 0.01	10	590	48	< 2	1	43	0.01	< 10	< 10	13	< 10	364
BB27658	201 202	< 0.01	10	610	44	< 2	1	46	< 0.01	< 10	< 10	12	< 10	328
BB27659	201 202	< 0.01	9	630	46	< 2	1	45	< 0.01	< 10	< 10	12	< 10	332
BB27660	201 202	< 0.01	9	610	40	< 2	1	45	< 0.01	< 10	< 10	11	< 10	286
BB27662	201 202	< 0.01	11	630	50	< 2	1	33	0.01	< 10	< 10	18	< 10	210

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: SIMPSON
Comments:

Page: iber :1-A
Total: ges :2
Certificate Date: 24-AUG-97
Invoice No.: I9738333
P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS A9738333

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
BB25662	201	202	0.2	1.18	6	780	< 0.5	< 2	0.85	0.5	3	11	9	1.26	< 10	< 1	0.13	20	0.18	785	< 1
BB25663	201	202	< 0.2	1.34	< 2	390	< 0.5	< 2	0.07	< 0.5	2	15	5	1.80	< 10	< 1	0.07	10	0.20	110	< 1
BB25664	201	202	< 0.2	0.73	< 2	120	< 0.5	< 2	0.07	< 0.5	< 1	11	1	0.28	< 10	< 1	0.07	< 10	0.02	20	< 1
BB25665	201	202	< 0.2	0.59	< 2	730	< 0.5	< 2	0.37	< 0.5	3	18	4	0.78	< 10	< 1	0.10	10	0.09	540	< 1
BB25666	201	202	< 0.2	0.77	< 2	140	< 0.5	< 2	0.05	< 0.5	1	9	2	0.64	< 10	< 1	0.05	10	0.04	80	< 1
BB25667	201	202	< 0.2	0.56	< 2	110	< 0.5	< 2	0.04	< 0.5	< 1	4	< 1	0.21	< 10	< 1	0.04	20	0.03	25	< 1
BB25668	201	202	< 0.2	0.78	< 2	50	< 0.5	< 2	0.02	< 0.5	< 1	1	1	0.30	< 10	< 1	0.05	< 10	0.02	75	< 1
BB25669	201	202	< 0.2	0.59	< 2	40	< 0.5	< 2	0.03	< 0.5	< 1	1	< 1	0.23	< 10	< 1	0.04	10	0.02	40	< 1
BB25670	201	202	0.2	0.70	< 2	260	< 0.5	< 2	1.30	0.5	2	3	9	1.01	< 10	< 1	0.08	40	0.07	280	< 1
BB25671	201	202	< 0.2	0.21	< 2	50	< 0.5	< 2	0.03	< 0.5	< 1	5	< 1	0.31	< 10	< 1	0.03	< 10	0.01	30	< 1
BB25672	201	202	0.2	1.00	8	740	< 0.5	< 2	0.12	< 0.5	4	5	7	1.14	< 10	< 1	0.16	40	0.06	505	< 4
BB25673	201	202	< 0.2	0.46	< 2	60	< 0.5	< 2	0.03	< 0.5	< 1	2	< 1	0.21	< 10	< 1	0.04	10	0.02	30	< 1
BB25674	201	202	< 0.2	0.70	< 2	200	< 0.5	< 2	0.05	< 0.5	< 1	10	1	0.29	< 10	< 1	0.07	10	0.04	35	< 1
BB25707	201	202	0.2	0.48	< 2	350	< 0.5	< 2	0.37	0.5	< 1	3	3	0.40	< 10	< 1	0.04	10	0.04	140	< 1
BB25708	201	202	< 0.2	0.87	4	430	< 0.5	< 2	0.37	< 0.5	2	11	8	1.00	< 10	< 1	0.12	20	0.13	170	< 1
BB25709	201	202	< 0.2	1.10	52	100	< 0.5	< 2	0.02	< 0.5	4	3	9	1.84	< 10	< 1	0.19	< 10	0.04	410	< 1
BB25710	201	202	< 0.2	0.72	< 2	70	< 0.5	< 2	0.10	< 0.5	1	4	3	0.75	< 10	< 1	0.07	< 10	0.03	270	< 1
BB25711	201	202	< 0.2	0.46	< 2	60	< 0.5	< 2	0.05	< 0.5	< 1	2	1	0.39	< 10	< 1	0.05	< 10	0.02	55	< 1
BB25712	201	202	< 0.2	0.71	14	50	< 0.5	< 2	0.05	< 0.5	1	19	6	1.24	< 10	< 1	0.09	10	0.09	95	< 1
BB25713	201	202	< 0.2	0.59	< 2	40	< 0.5	< 2	0.02	< 0.5	1	3	3	0.61	< 10	< 1	0.05	< 10	0.03	55	< 1
BB25714	201	202	< 0.2	0.43	< 2	60	< 0.5	< 2	0.03	< 0.5	< 1	3	1	0.24	< 10	< 1	0.04	10	0.02	30	< 1
BB25715	201	202	< 0.2	0.62	< 2	920	< 0.5	< 2	0.11	< 0.5	4	35	10	1.11	< 10	< 1	0.16	10	0.11	445	< 1
BB25716	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB25717	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB26701	201	202	< 0.2	1.74	14	380	< 0.5	< 2	0.15	< 0.5	21	307	33	5.18	< 10	< 1	0.07	< 10	1.89	415	< 1
BB26702	201	202	< 0.2	0.62	< 2	620	< 0.5	< 2	0.03	< 0.5	< 1	1	1	0.21	< 10	< 1	0.08	< 10	0.01	20	< 1
BB26703	201	202	< 0.2	0.72	10	90	< 0.5	< 2	0.02	< 0.5	2	9	6	1.42	< 10	< 1	0.10	10	0.09	95	< 1
BB26704	201	202	< 0.2	0.56	< 2	120	< 0.5	< 2	0.04	< 0.5	< 1	6	1	0.38	< 10	< 1	0.15	10	0.04	55	< 1
BB26705	201	202	0.2	1.25	10	150	< 0.5	< 2	0.20	0.5	4	13	25	2.19	< 10	< 1	0.15	20	0.22	455	< 1
BB26706	201	202	< 0.2	0.52	56	110	< 0.5	< 2	0.18	< 0.5	4	10	12	1.75	< 10	< 1	0.10	10	0.05	100	< 3
BB26707	201	202	< 0.2	0.87	46	80	< 0.5	< 2	0.05	< 0.5	4	8	11	2.24	< 10	< 1	0.08	10	0.16	110	< 4
BB27663	201	202	< 0.2	0.73	14	110	< 0.5	< 2	0.07	0.5	3	16	9	2.03	< 10	< 1	0.09	10	0.08	175	< 1
BB27664	201	202	< 0.2	0.46	24	140	< 0.5	< 2	0.10	2.0	3	11	12	1.52	< 10	< 1	0.06	10	0.06	140	< 1
BB27665	201	202	< 0.2	0.65	58	50	< 0.5	< 2	0.02	< 0.5	3	8	7	1.92	< 10	< 1	0.04	10	0.09	105	< 1
BB27666	201	202	0.2	1.27	30	360	< 0.5	< 2	0.23	1.5	9	14	20	2.92	< 10	< 1	0.10	20	0.18	680	< 6
BB27667	201	202	0.6	1.29	86	490	< 0.5	< 2	0.79	5.0	20	21	58	3.85	< 10	< 1	0.08	30	0.25	1100	< 6
BB27668	201	202	< 0.2	0.99	16	460	< 0.5	< 2	0.33	0.5	4	12	14	1.40	< 10	< 1	0.08	50	0.25	430	< 1
BB27669	201	202	< 0.2	0.70	58	130	< 0.5	< 2	0.16	< 0.5	4	37	7	1.88	< 10	< 1	0.10	10	0.13	130	< 2
BB27670	201	202	< 0.2	0.40	32	110	< 0.5	< 2	0.09	< 0.5	1	9	6	1.05	< 10	< 1	0.07	20	0.07	40	< 3
BB27671	201	202	< 0.2	0.74	< 2	500	< 0.5	< 2	0.44	< 0.5	2	8	5	0.94	< 10	< 1	0.08	20	0.09	215	< 1

CERTIFICATION:



Chemex Labs Ltd.

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

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

Project: SIMPSON
 Comments:

Pag. iber : 1-B
 Total . ges : 2
 Certificate Date: 24-AUG-97
 Invoice No. : I9738333
 P.O. Number :
 Account : MTT

CERTIFICATE OF ANALYSIS A9738333

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
BB25662	201 202	0.01	7	370	32	< 2	1	60	< 0.01	< 10	< 10	11	< 10	48
BB25663	201 202	< 0.01	6	120	28	< 2	1	10	0.02	< 10	< 10	23	< 10	38
BB25664	201 202	< 0.01	1	130	2	< 2	< 1	11	< 0.01	< 10	< 10	6	< 10	6
BB25665	201 202	0.02	4	240	8	< 2	< 1	27	< 0.01	< 10	< 10	13	< 10	16
BB25666	201 202	0.01	3	150	< 2	< 2	< 1	8	< 0.01	< 10	< 10	13	< 10	16
BB25667	201 202	< 0.01	< 1	60	8	< 2	< 1	7	0.01	< 10	< 10	7	< 10	2
BB25668	201 202	0.01	< 1	100	< 2	< 2	< 1	5	< 0.01	< 10	< 10	5	< 10	8
BB25669	201 202	0.01	< 1	90	2	< 2	< 1	5	< 0.01	< 10	< 10	5	< 10	2
BB25670	201 202	0.02	2	310	22	< 2	1	89	0.01	< 10	< 10	13	< 10	36
BB25671	201 202	0.03	< 1	70	< 2	< 2	< 1	4	< 0.01	< 10	< 10	9	< 10	< 2
BB25672	201 202	0.01	4	200	28	< 2	1	20	< 0.01	< 10	< 10	7	< 10	76
BB25673	201 202	0.03	< 1	100	< 2	< 2	< 1	6	< 0.01	< 10	< 10	7	< 10	2
BB25674	201 202	0.01	1	160	< 2	< 2	< 1	12	< 0.01	< 10	< 10	7	< 10	2
BB25707	201 202	0.07	1	230	8	< 2	< 1	31	0.01	< 10	< 10	8	< 10	24
BB25708	201 202	< 0.01	6	250	62	< 2	< 1	27	< 0.01	< 10	< 10	9	< 10	94
BB25709	201 202	< 0.01	1	220	76	< 2	1	5	< 0.01	< 10	< 10	6	< 10	164
BB25710	201 202	< 0.01	1	130	6	< 2	< 1	7	< 0.01	< 10	< 10	10	< 10	24
BB25711	201 202	0.03	< 1	120	< 2	< 2	< 1	4	< 0.01	< 10	< 10	8	< 10	10
BB25712	201 202	< 0.01	4	120	10	< 2	< 1	8	0.01	< 10	< 10	20	< 10	30
BB25713	201 202	0.03	1	110	6	< 2	< 1	4	< 0.01	< 10	< 10	10	< 10	24
BB25714	201 202	0.03	< 1	120	4	< 2	< 1	5	< 0.01	< 10	< 10	7	< 10	6
BB25715	201 202	< 0.01	8	300	80	< 2	1	20	< 0.01	< 10	< 10	11	< 10	58
BB25716	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB25717	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB26701	201 202	< 0.01	96	360	34	< 2	4	20	0.04	< 10	< 10	121	< 10	68
BB26702	201 202	< 0.01	< 1	50	2	< 2	< 1	17	< 0.01	< 10	< 10	4	< 10	< 2
BB26703	201 202	< 0.01	5	130	12	2	< 1	7	0.01	< 10	< 10	16	< 10	26
BB26704	201 202	< 0.01	1	100	6	< 2	< 1	9	< 0.01	< 10	< 10	6	< 10	8
BB26705	201 202	< 0.01	9	440	74	< 2	2	17	0.01	< 10	< 10	19	< 10	212
BB26706	201 202	< 0.01	7	200	8	< 2	1	13	0.01	< 10	< 10	21	< 10	44
BB26707	201 202	< 0.01	13	130	16	< 2	1	8	< 0.01	< 10	< 10	15	< 10	64
BB27663	201 202	< 0.01	11	220	20	< 2	1	9	0.01	< 10	< 10	25	< 10	46
BB27664	201 202	< 0.01	10	100	8	< 2	< 1	8	0.01	< 10	< 10	21	< 10	90
BB27665	201 202	< 0.01	7	140	20	< 2	< 1	4	0.01	< 10	< 10	17	< 10	64
BB27666	201 202	0.01	19	230	54	< 2	2	22	< 0.01	< 10	< 10	16	< 10	238
BB27667	201 202	< 0.01	41	510	92	< 2	2	48	< 0.01	< 10	< 10	18	< 10	350
BB27668	201 202	0.01	10	190	44	< 2	1	28	< 0.01	< 10	< 10	9	< 10	58
BB27669	201 202	< 0.01	13	120	42	< 2	1	18	< 0.01	< 10	< 10	15	< 10	78
BB27670	201 202	< 0.01	7	90	16	< 2	< 1	12	< 0.01	< 10	< 10	7	< 10	34
BB27671	201 202	< 0.01	5	230	20	< 2	< 1	28	0.01	< 10	< 10	13	< 10	26

CERTIFICATION: *B. Coughlin*



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CERTIFICATE OF ANALYSIS A9738333

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
BB27672	201 202	< 0.2	0.51	< 2	120	< 0.5	< 2	0.10	< 0.5	< 1	13	3	0.59	< 10	< 1	0.09	10	0.04	70	1
BB27673	201 202	< 0.2	1.20	10	290	< 0.5	< 2	0.19	< 0.5	4	23	11	1.91	< 10	< 1	0.17	20	0.29	180	1
BB27674	201 202	< 0.2	1.12	12	280	< 0.5	< 2	0.24	0.5	5	16	7	1.60	< 10	< 1	0.13	20	0.16	645	1
BB27675	201 202	< 0.2	0.67	< 2	120	< 0.5	< 2	0.07	< 0.5	1	13	2	0.67	< 10	< 1	0.08	20	0.09	65	< 1
BB27676	201 202	< 0.2	1.00	24	260	< 0.5	< 2	0.15	1.5	6	9	17	2.81	< 10	< 1	0.14	20	0.36	205	5
BB27677	201 202	0.4	0.70	108	140	< 0.5	< 2	0.16	< 0.5	6	20	21	3.01	< 10	< 1	0.05	40	0.36	245	8
BB27678	201 202	0.2	1.13	86	350	0.5	< 2	0.60	0.5	13	108	49	3.26	< 10	< 1	0.16	50	0.57	475	1
BB27681	201 202	< 0.2	0.79	2	320	< 0.5	< 2	0.24	< 0.5	2	8	6	0.93	< 10	< 1	0.18	20	0.07	145	1
BB27682	201 202	< 0.2	0.75	< 2	350	< 0.5	< 2	0.15	< 0.5	1	8	3	0.73	< 10	< 1	0.11	10	0.14	80	< 1
BB27683	201 202	< 0.2	1.10	< 2	100	< 0.5	< 2	0.07	< 0.5	< 1	6	1	0.63	< 10	< 1	0.06	10	0.06	160	< 1
BB27684	201 202	< 0.2	0.67	< 2	200	< 0.5	< 2	0.09	< 0.5	2	11	4	1.24	< 10	< 1	0.09	10	0.11	150	1
BB27685	201 202	< 0.2	0.75	6	220	< 0.5	< 2	0.15	0.5	4	24	5	1.56	< 10	< 1	0.09	10	0.17	350	< 1
BB27686	201 202	< 0.2	0.81	8	140	< 0.5	< 2	0.05	0.5	5	94	10	2.35	< 10	< 1	0.09	< 10	0.22	125	1
BB27687	201 202	< 0.2	0.44	< 2	120	< 0.5	< 2	0.06	< 0.5	1	11	4	0.59	< 10	< 1	0.16	< 10	0.03	35	1
BB27688	201 202	0.8	0.55	72	300	< 0.5	2	0.25	0.5	6	4	29	2.24	< 10	< 1	0.09	10	0.04	400	6
BB27691	201 202	< 0.2	0.88	< 2	100	< 0.5	< 2	0.07	< 0.5	< 1	5	3	0.49	< 10	< 1	0.08	10	0.03	30	< 1
BB27692	201 202	< 0.2	1.16	< 2	100	< 0.5	< 2	0.06	< 0.5	3	13	5	1.62	< 10	< 1	0.13	10	0.21	115	1
BB27693	201 202	< 0.2	1.13	2	440	< 0.5	< 2	0.04	< 0.5	2	12	4	1.74	< 10	< 1	0.10	10	0.14	135	< 1
BB27694	201 202	< 0.2	1.72	6	240	< 0.5	< 2	0.03	< 0.5	3	40	11	1.88	< 10	< 1	0.14	< 10	0.23	135	< 1
BB27695	201 202	< 0.2	1.04	36	150	< 0.5	< 2	0.02	< 0.5	1	9	3	0.87	< 10	< 1	0.23	< 10	0.06	55	2
BB27696	201 202	< 0.2	0.73	6	220	< 0.5	< 2	0.02	< 0.5	1	17	5	0.86	< 10	< 1	0.13	< 10	0.03	60	1
BB27697	201 202	< 0.2	0.71	< 2	840	< 0.5	< 2	0.53	< 0.5	1	4	6	0.44	< 10	< 1	0.15	20	0.03	35	< 1
BB27698	201 202	< 0.2	1.55	34	70	< 0.5	< 2	0.04	< 0.5	3	8	22	3.20	< 10	< 1	0.15	10	0.15	295	1
BB27700	201 202	< 0.2	0.78	< 2	1160	< 0.5	< 2	0.26	< 0.5	1	7	4	0.50	< 10	< 1	0.11	10	0.04	35	< 1
BB27701	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27702	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27703	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27704	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27705	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27725	201 202	< 0.2	0.50	6	70	< 0.5	< 2	0.10	< 0.5	1	7	3	0.72	< 10	< 1	0.08	10	0.07	70	1
BB27726	201 202	< 0.2	0.65	30	160	< 0.5	< 2	0.10	< 0.5	4	13	8	1.78	< 10	< 1	0.13	10	0.16	235	3
BB27727	201 202	< 0.2	0.55	58	100	< 0.5	< 2	0.08	< 0.5	3	14	12	2.01	< 10	< 1	0.09	10	0.25	125	4
BB27728	201 202	< 0.2	0.61	38	190	< 0.5	< 2	0.08	< 0.5	3	7	3	1.23	< 10	< 1	0.09	30	0.20	175	1
BB27729	201 202	< 0.2	0.79	156	310	< 0.5	< 2	0.21	0.5	6	25	7	1.76	< 10	< 1	0.15	30	0.11	850	2
BB27730	201 202	0.2	0.33	12	130	< 0.5	< 2	0.24	< 0.5	1	14	4	0.61	< 10	< 1	0.08	10	0.05	40	< 1

CERTIFICATION: *P. 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

Page Number : 2-B
 Total Pages : 2
 Certificate Date: 24-AUG-97
 Invoice No. : 19738333
 P.O. Number :
 Account : MTT

Project : SIMPSON
 Comments :

CERTIFICATE OF ANALYSIS A9738333

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
BB27672	201 202	< 0.01	3	90	4	< 2	< 1	9	0.01	< 10	< 10	14	< 10	40
BB27673	201 202	< 0.01	13	300	24	< 2	1	16	0.03	< 10	< 10	25	< 10	66
BB27674	201 202	0.03	9	160	56	< 2	1	15	0.01	< 10	< 10	19	< 10	100
BB27675	201 202	< 0.01	2	50	14	< 2	< 1	10	0.01	< 10	< 10	15	< 10	28
BB27676	201 202	< 0.01	13	140	104	< 2	< 1	14	< 0.01	< 10	< 10	10	< 10	332
BB27677	201 202	< 0.01	19	170	86	< 2	1	16	< 0.01	< 10	< 10	10	< 10	150
BB27678	201 202	< 0.01	62	500	76	< 2	6	78	< 0.01	< 10	< 10	34	< 10	194
BB27681	201 202	0.01	4	130	16	< 2	< 1	22	0.01	< 10	< 10	15	< 10	28
BB27682	201 202	< 0.01	4	150	8	< 2	< 1	14	0.01	< 10	< 10	10	< 10	24
BB27683	201 202	0.03	1	160	6	< 2	< 1	9	0.01	< 10	< 10	11	< 10	32
BB27684	201 202	< 0.01	6	120	14	< 2	< 1	10	0.02	< 10	< 10	18	< 10	44
BB27685	201 202	0.01	7	170	28	< 2	< 1	13	0.01	< 10	< 10	20	< 10	52
BB27686	201 202	< 0.01	18	110	22	< 2	1	8	0.01	< 10	< 10	40	< 10	92
BB27687	201 202	0.01	3	80	8	< 2	< 1	13	< 0.01	< 10	< 10	8	< 10	10
BB27688	201 202	0.01	22	220	242	< 2	< 1	34	< 0.01	< 10	< 10	6	< 10	228
BB27691	201 202	< 0.01	3	80	6	< 2	< 1	12	< 0.01	< 10	< 10	11	< 10	14
BB27692	201 202	< 0.01	7	180	12	< 2	1	10	0.01	< 10	< 10	18	< 10	28
BB27693	201 202	< 0.01	5	160	22	< 2	1	18	0.02	< 10	< 10	31	< 10	40
BB27694	201 202	< 0.01	9	100	14	< 2	1	11	< 0.01	< 10	< 10	23	< 10	40
BB27695	201 202	< 0.01	1	70	12	2	< 1	14	< 0.01	< 10	< 10	9	< 10	14
BB27696	201 202	< 0.01	4	90	8	< 2	< 1	14	< 0.01	< 10	< 10	13	< 10	22
BB27697	201 202	< 0.01	2	130	6	< 2	< 1	39	< 0.01	< 10	< 10	5	< 10	8
BB27698	201 202	< 0.01	4	210	42	2	3	7	0.01	< 10	< 10	23	< 10	162
BB27700	201 202	< 0.01	2	110	4	< 2	< 1	41	< 0.01	< 10	< 10	8	< 10	12
BB27701	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27702	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27703	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27704	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27705	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB27725	201 202	< 0.01	4	110	14	< 2	< 1	9	0.01	< 10	< 10	14	< 10	34
BB27726	201 202	< 0.01	10	100	24	< 2	1	11	< 0.01	< 10	< 10	13	< 10	64
BB27727	201 202	< 0.01	9	140	18	< 2	< 1	8	< 0.01	< 10	< 10	12	< 10	98
BB27728	201 202	< 0.01	3	90	34	< 2	< 1	10	< 0.01	< 10	< 10	9	< 10	42
BB27729	201 202	0.01	9	140	108	< 2	1	21	< 0.01	< 10	< 10	17	< 10	66
BB27730	201 202	0.03	4	100	14	< 2	< 1	21	< 0.01	< 10	< 10	10	< 10	18

CERTIFICATION:

B. Conklin



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: SIMPSON
 Comments:

Page per : 1-A
 Total pages : 1
 Certificate Date: 24-AUG-97
 Invoice No. : 19738319
 P.O. Number :
 Account : MTT

CERTIFICATE OF ANALYSIS

A9738319

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
59318	205 226	8.0	0.77	10	200	< 0.5	< 2	1.29	26.5	4	57	440	3.51	< 10	< 1	0.74	10	0.09	5360	5
59319	205 226	0.2	0.59	6	210	< 0.5	< 2	1.79	1.5	1	67	14	0.73	< 10	< 1	0.54	10	0.04	1365	3
59320	205 226	16.4	1.13	6	80	< 0.5	12	2.07	100.0	12	50	1635	4.28	< 10	7	0.75	10	0.16	6350	7

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

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 WHITEHORSE, YT
 Y1A 3S9

Project: SIMPSON
 Comments:

Page: 1-B
 Total Pages: 1
 Certificate Date: 24-AUG-97
 Invoice No.: 19738319
 P.O. Number:
 Account: MTT

CERTIFICATE OF ANALYSIS A9738319

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
59318	205 226	< 0.01	2	10	4570	2	< 1	46	< 0.01	< 10	< 10	2	< 10	6480
59319	205 226	0.02	2	80	306	< 2	< 1	110	< 0.01	< 10	< 10	5	< 10	310
59320	205 226	< 0.01	5	10	4210	2	< 1	120	< 0.01	< 10	< 10	22	< 10	>10000

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

Project: SIMPSON 97-5
Comments:

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Total Pages: 1
Certificate Date: 24-AUG-97
Invoice No.: 19738316
P.O. Number:
Account: MTT

CERTIFICATE OF ANALYSIS A9738316

SAMPLE	PREP CODE		Au ppb	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
			FA+AA																		
59315	205	294	< 5	1.0	1.20	30	990	< 0.5	< 2	2.44	< 0.5	3	58	24	0.66	< 10	< 1	0.56	20	0.10	205
59316	205	294	< 5	1.2	1.89	2	990	0.5	< 2	3.93	0.5	2	51	12	1.00	< 10	< 1	0.90	10	0.16	290
59317	205	294	-----	< 0.2	0.34	2	900	< 0.5	< 2	0.93	< 0.5	< 1	44	4	0.17	< 10	< 1	0.28	10	0.01	85

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

Project: SIMPSON 97-5
Comments:

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Certificate Date: 24-AUG-97
Invoice No.: 19738316
P.O. Number:
Account: MTT

CERTIFICATE OF ANALYSIS

A9738316

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
59315	205	294	1	0.01	< 1	110	6	< 2	1	101	< 0.01	< 10	< 10	3	< 10	10
59316	205	294	< 1	0.04	< 1	110	24	< 2	3	132	< 0.01	< 10	< 10	6	< 10	58
59317	205	294	2	0.03	< 1	< 10	2	< 2	< 1	45	< 0.01	< 10	< 10	< 1	< 10	6

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

Project : SIMPSON 97-4
 Comments:

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 Certificate Date: 24-AUG-97
 Invoice No. : 19738309
 P.O. Number :
 Account : MTT

CERTIFICATE OF ANALYSIS

A9738309

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
59313	205	294	< 0.2	0.32	14	140	< 0.5	< 2	2.91	< 0.5	5	77	10	1.95	< 10	< 1	0.14	< 10	0.28	155	< 1
59314	205	294	2.6	2.67	< 2	400	1.0	< 2	6.71	6.5	1	43	7	0.67	< 10	< 1	1.20	10	0.18	180	1

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: SIMPSON 97-4
Comments:

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Total : 1
Certificate Date: 24-AUG-97
Invoice No. : 19738309
P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS

A9738309

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
59313	205	294	0.01	3	120	< 2	< 2	1	115	< 0.01	< 10	< 10	3	< 10	8
59314	205	294	0.03	1	70	278	2	2	367	0.03	< 10	< 10	8	< 10	584

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

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

Project: SIMPSON
Comments:

Page No. : 1
Total Pages : 1
Certificate Date: 14-AUG-97
Invoice No. : 19737303
P.O. Number :
Account : MTT

CERTIFICATE OF ANALYSIS A9737303

SAMPLE	PREP CODE	Zn %										
59305	244 --	1.28										
59309	244 --	7.82										

CERTIFICATION:



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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: SIMPSON
 Comments:

Page: 1 of 1
 Total Pages: 1
 Certificate Date: 12-AUG-97
 Invoice No.: 19736644
 P.O. Number:
 Account: MTT

CERTIFICATE OF ANALYSIS A9736644

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
59301	205 294	4.8	0.65	2	380	< 0.5	< 2	0.52	24.0	3	67	220	1.53	< 10	1	0.59	30	0.05	2220	< 1
59302	205 294	< 0.2	0.33	4	180	< 0.5	< 2	0.74	< 0.5	1	54	2	0.63	< 10	< 1	0.41	10	0.01	120	3
59303	205 294	< 0.2	0.28	6	190	< 0.5	< 2	0.95	< 0.5	4	68	11	1.35	< 10	< 1	0.21	30	0.02	335	< 1
59304	205 294	< 0.2	0.77	12	200	< 0.5	< 2	0.70	0.5	14	47	33	2.60	< 10	< 1	0.33	40	0.24	285	6
59305	205 294	9.2	0.36	< 2	150	< 0.5	2	0.99	59.0	1	45	437	1.00	< 10	2	0.39	10	0.02	3110	3
59306	205 294	< 0.2	0.39	8	200	< 0.5	< 2	0.99	< 0.5	1	46	14	0.75	< 10	< 1	0.51	20	0.02	180	1
59307	205 294	0.6	0.45	6	250	< 0.5	< 2	0.13	10.5	3	53	56	0.41	< 10	< 1	0.37	40	< 0.01	560	< 1
59308	205 294	1.4	0.38	12	290	< 0.5	2	0.02	7.0	6	46	34	1.35	< 10	< 1	0.35	20	0.01	2220	< 1
59309	205 294	31.0	0.35	< 2	40	< 0.5	34	0.01	>100.0	8	24	1890	2.32	< 10	< 1	0.38	10	0.01	1550	3
59310	205 294	< 0.2	0.35	8	190	< 0.5	< 2	0.38	2.5	< 1	43	11	0.41	< 10	< 1	0.33	30	< 0.01	325	< 1
59311	205 294	1.2	0.43	2	240	< 0.5	< 2	1.54	10.0	< 1	49	95	0.56	< 10	1	0.44	10	0.01	1160	1

CERTIFICATION: Hart 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: SIMPSON
 Comments:

Page Number: 1-B
 Total Pages: 1
 Certificate Date: 12-AUG-97
 Invoice No.: I9736644
 P.O. Number:
 Account: MTT

CERTIFICATE OF ANALYSIS A9736644

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
59301	205 294	< 0.01	1	70	3500	< 2	< 1	28	< 0.01	< 10	< 10	< 1	30	6360
59302	205 294	0.04	< 1	10	12	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	32
59303	205 294	0.04	< 1	120	24	< 2	1	39	< 0.01	< 10	< 10	2	< 10	46
59304	205 294	< 0.01	42	330	26	< 2	< 1	42	< 0.01	< 10	< 10	15	< 10	140
59305	205 294	< 0.01	< 1	< 10	4920	< 2	< 1	49	< 0.01	< 10	< 10	< 1	< 10	>10000
59306	205 294	0.03	1	90	26	< 2	< 1	55	< 0.01	< 10	< 10	1	< 10	42
59307	205 294	0.02	< 1	10	56	< 2	< 1	9	< 0.01	< 10	< 10	< 1	10	2670
59308	205 294	0.01	< 1	< 10	348	< 2	< 1	5	< 0.01	< 10	< 10	< 1	< 10	1670
59309	205 294	< 0.01	< 1	< 10	594	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	>10000
59310	205 294	0.01	< 1	10	28	< 2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	490
59311	205 294	0.01	1	50	442	< 2	< 1	88	< 0.01	< 10	< 10	< 1	< 10	1835

CERTIFICATION:

Hart Bickler

APPENDIX IV
SYNOPTIC LOGS

SYNOPTIC LOG
NORDAC RESOURCES LTD.
Property: SIMPSONHole: SM-97-01 Section: _____

Easting: _____

Northing: _____

Elevation: _____

Depth: _____

Logger: _____

Sefika Lesnikoff

468,088.04 8,736,004.27 1,568.06 148.40

Drilling Dates: _____

July 13-15, 1997

Depth	0.00	148.40			
Azimuth	40	40			
Dip	-55	-60			
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	7.75	4.10	T	CMSH	quartz-chlorite-muscovite schist										
7.75	8.50	0.75	T	FLSH	faulted chlorite-muscovite schist										
8.50	23.60	15.10	S	CMSH	quartz-chlorite-muscovite schist										
						16.60	18.89	2.29	59303	100	11	24	46	<0.2	n/a
23.60	24.52	0.92	T	QZVN	quartz vein with chlorite										
24.52	26.82	2.30	T	CMSH	quartz-chlorite-muscovite schist										
26.82	27.10	0.28	T	CMSH	weakly mineralized quartz-chlorite-muscovite schist										
					-chalcopyrite specks	26.41	27.42	1.01	59301	99	220	3500	6360	<0.2	n/a
					-fine grained sphalerite-galena bands										
27.10	35.43	8.33	T	CMSH	quartz-chlorite-muscovite schist										
35.43	36.84	1.41	T	MBSH	quartz-muscovite-biotite										
36.84	40.23	3.39	T	CMSH	quartz-chlorite-muscovite schist										
40.23	42.69	2.46	T	CBMS	carbonaceous mudstone										
42.69	50.90	8.21	T	QZIT	quartzite										
50.90	53.64	2.74	T	QZIT	quartzite interaminated with chlorite-sericite schist										
53.64	71.28	17.64	T	QZIT	quartzite										
						56.38	57.91	1.53	59302	100	2	12	32	<0.2	n/a
71.28	80.16	8.88	T	CMSH	quartz-chlorite-muscovite schist										
					-trace pyrite and chalcopyrite										
80.16	89.07	8.91	T	CMSH	quartz-muscovite-chlorite schist										
					-disseminated galena from 85.75-86.02m										
89.07	98.57	9.50	T	QFMT	metatuff										
98.57	111.40	12.83	T	CMSH	quartz-muscovite-chlorite schist										
					-trace pyrite and chalcopyrite										
111.40	113.20	1.80	T	CMSH	quartz-muscovite-chlorite schist with quartz veins										
					-50% quartz-muscovite schist, 50% quartz vein										
113.20	121.92	8.72	T	CMSH	quartz-muscovite-chlorite schist										
121.92	138.40	16.48	T	CMSH	quartz-muscovite-chlorite schist with relict quartz										
					phenocrysts										
					-disseminated pyrite from 122.44-122.54m										

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

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**

Property: SIMPSON Hole: SM-97-02 Section: _____

Easting: 468,057.53 Northing: 6,735,933.10 Elevation: 1,583.33 Depth: 209.40 Logger: Sefika Lesnikoff
Drilling Dates: July 15-20, 1997

Depth	0.00	209.40			
Azimuth	40	40			
Dip	-55	-65			
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	3.00	3.00	T	CSDH	casing										
3.00	3.66	0.66	T	OBDH	overburden										
3.66	8.53	4.87	T	QCSH	clay altered quartz-chlorite schist										
8.53	15.55	7.02	T	CMSH	quartz-chlorite-muscovite schist										
15.55	15.85	0.30	T	FLSH	faulted quartz-chlorite-muscovite schist										
15.85	32.60	16.75	T	CMSH	quartz-chlorite-muscovite schist										
32.60	62.79	30.19	T	CMSH	quartz-chlorite muscovite schist with relict quartz and feldspar phenocrysts	60.84	63.84	3.00	59304	100	33	26	140	<0.2	n/a
62.79	72.46	9.67	T	CMSH	quartz-muscovite-chlorite schist -at 64.52m-64.76m boxwork after pyrite										
72.46	81.59	9.13	T	CMSH	quartz-chlorite-muscovite schist										
81.59	85.90	4.31	T	QFMT	metatuff										
85.90	90.83	4.93	T	CMSH	oxidized quartz-chlorite-muscovite schist -oxidized sphalerite patches in late quartz vein at 86.24m-86.52m										
90.83	95.21	4.38	T	CMSH	quartz-muscovite-chlorite schist										
95.21	99.24	4.03	T	QFMT	metatuff										
99.24	105.46	6.22	T	CMSH	quartz-muscovite-chlorite schist -late quartz vein with oxidized sphalerite at 105.10m-105.43m										
105.46	107.90	2.44	T	QFMT	metatuff										
107.90	113.74	5.84	T	CMSH	quartz-chlorite-muscovite schist -disseminated, very fine grained pyrite										
113.74	115.08	1.32	T	QFMT	metatuff										
115.08	116.10	1.04	F	CMSH	quartz-muscovite-chlorite schist with relict quartz phenocrysts										
116.10	117.24	1.14	T	QZVN	quartz-carbonate vein with quartz-chlorite-muscovite schist -70-80% quartz-carbonate veins										
117.24	118.78	1.54	T	GPSH	calcareous graphite schist										
118.78	124.34	5.56	T	CMSH	quartz-muscovite-chlorite schist										

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

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**
Property: SIMPSONHole: SM-97-04 Section: _____Easting: _____ Northing: _____ Elevation: _____ Depth: _____ Logger: Sefika Lesnikoff468,010.85 8,735,875.38 1,805.49 215.19 Drilling Dates: July 24-29, 1997

Depth	0.00	215.19			
Azimuth	40	40			
Dip	-55	-63			
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		CSDH	casing										
3.66	3.80	0.14		OBDH	overburden										
3.80	14.32	10.52	T	CMSH	weathered quartz-chlorite-muscovite schist with relict quartz phenocrysts										
14.32	19.10	4.78	S	QCSH	oxidized coarse grained quartz-chlorite schist with relict quartz phenocrysts										
19.10	20.56	1.46	T	QZVN	quartz vein -trace pyrite and blackjack (?)										
20.56	31.73	11.17	T	QCSH	coarse grained quartz-chlorite schist with relict quartz phenocrysts										
31.73	41.50	9.77	T	FLSH	faulted quartz-chlorite-muscovite schist										
41.50	45.48	3.98	S	QZIT	quartzite interbedded with quartz-chlorite-muscovite schist										
45.48	49.47	3.99	F	CMSH	altered quartz-muscovite-chlorite schist	46.32	49.09	2.77	50313	100	10	<2	8	<0.2	n/a
49.47	54.76	5.29	T	CMSH	quartz-chlorite-muscovite schist										
54.76	63.09	8.33	F	CMSH	quartz-chlorite-muscovite schist with relict quartz phenocrysts										
63.09	73.57	10.48	F	CMSH	silicified quartz-chlorite-muscovite schist with relict quartz phenocrysts										
73.57	74.98	1.41	F	BAFL	banded barite/fluorite -from 74.30-74.35 fracture bears fine grained galena, pyrite and chalcopyrite -quartz-chlorite-muscovite schist from 74.43m-74.73m	73.61	74.91	1.30	50314	65	7	278	584	2.6	n/a
74.98	80.55	5.57	F	CMSH	quartz-chlorite-muscovite schist										
80.55	90.53	9.98	F	CMSH	shattered and gouged quartz-chlorite muscovite schist										
90.53	101.27	10.74	F	CMSH	fine grained quartz-chlorite-muscovite schist										
101.27	111.30	10.03	T	CMSH	fine grained quartz-chlorite-muscovite schist										
111.30	114.47	3.17	T	CMSH	quartz-chlorite-muscovite schist										
114.47	117.87	3.40	T	CMSH	altered quartz-chlorite-muscovite schist -strong magnetic from 114.95m-115.10m										

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

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**
Property: SIMPSONHole: SM-97-04

From	To	Interval	*	Unit	Comments	From	To	Interval	Sample	REC	Cu	Pb	Zn	Ag	Au
117.87	130.75	12.88	T	CMSH	quartz-muscovite-chlorite schist -disseminated fine grained pyrite										
130.75	135.02	4.27	F	CMSH	quartz-muscovite-chlorite schist -from 132.00m-132.28m gouge										
135.02	144.10	9.08	F	QCSH	quartz-chlorite schist with relict quartz and feldspar phenocrysts										
144.10	145.27	1.17	F	SEPH	sericite-graphite phyllite										
145.27	151.94	6.67	F	SCSH	quartz-sericite-chlorite schist with relict quartz phenocrysts -gouge at 149.05m-149.30m										
151.94	159.41	7.47	T	QFMT	metatuff -slightly harder										
159.41	170.20	10.79	T	QFMT	silicified metatuff -with graphite phyllite intercalations 4-5cm wide										
170.20	171.20	1.00	F	GPPH	graphite phyllite										
171.20	173.28	2.08	F	QFMT	metatuff										
173.28	174.70	1.42	F	GPPH	graphite phyllite										
174.70	175.61	0.91	F	QFMT	metatuff										
175.61	176.49	0.88	F	GPPH	graphite phyllite										
176.49	184.40	7.91	F	SCSH	quartz-chlorite-sericite schist -with metatuff intervals										
184.40	203.00	18.60	F	CMSH	quartz-muscovite-chlorite schist with relict quartz phenocrysts										
203.00	208.04	3.04	F	QFMT	metatuff -high silica content										
208.04	209.09	3.05	F	SCSH	quartz-sericite-chlorite schist										
209.09	215.19	6.10	F	CMSH	silicified coarse grained quartz-chlorite-muscovite schist										
					EOH										

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

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**
Property: SIMPSONHole: SM-97-05 Section: _____
 Easting: 468,010.85 Northing: 6,735,875.38 Elevation: 1,605.49 Depth: 183.49 Logger: Sefika Lesnikoff
 Drilling Dates: July 29-Aug 1, 1997

Depth	0.00	183.49		
Azimuth	40	40		
Dip	-85	-88		
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	3.20	3.20		CSDH	casing										
3.20	3.40	0.20		OBDH	overburden										
3.40	31.30	27.90	S	CMSH	coarse grained quartz-muscovite-chlorite schist										
31.30	35.82	4.52	T	CMSH	quartz-muscovite-chlorite schist										
35.82	45.72	9.90	T	FLSH	faulted and clay-altered quartz-chlorite schist										
45.72	48.50	2.78	F	QCSH	brecciated and clay altered quartz-chlorite schist										
48.50	54.00	5.50	F	QCSH	broken and shattered quartz-chlorite schist										
54.00	56.06	2.06	F	QCSH	weakly mylonitic and altered quartz-chlorite schist										
56.06	58.95	2.89	F	CSSH	coarse grained quartz-chlorite-sericite schist										
58.95	72.22	13.27	F	QFMT	metaluff										
72.22	94.95	22.73	F	QSCH	quartz-sericite schist with relict quartz phenocrysts										
94.95	102.05	7.10	F	CMSH	coarse grained quartz-chlorite-muscovite schist										
102.05	115.10	13.05	F	MCSH	quartz-muscovite-chlorite schist with relict quartz phenocrysts										
115.10	122.30	7.20	F	BAFL	quartz-chlorite schist with barite and fluorite										
						114.00	116.54	2.54	59315	100	24	6	10	1.0	<5
						116.54	119.15	2.61	59316	100	12	24	58	1.2	<5
122.30	148.95	26.65	F	CMSH	quartz-chlorite-muscovite schist with relict quartz phenocrysts										
148.95	149.21	0.26	F	GPPH	graphite phyllite										
149.21	157.00	7.79	F	QFMT	metaluff										
157.00	166.42	9.42	F	GSPH	graphite-sericite phyllite										
166.42	183.49	17.07	F	CMSH	quartz-chlorite-muscovite schist										
						166.42	168.43	2.01	59317	100	4	2	6	<0.2	n/a
					EOH										

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

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**
Property: SIMPSONHole: SM-97-06 Section: _____

Easting: _____

Northing: _____

Elevation: _____

Depth: _____

Logger: _____

Sefika Lesnikoff

468,197.50

6,735,813.82

1,569.24

127.10

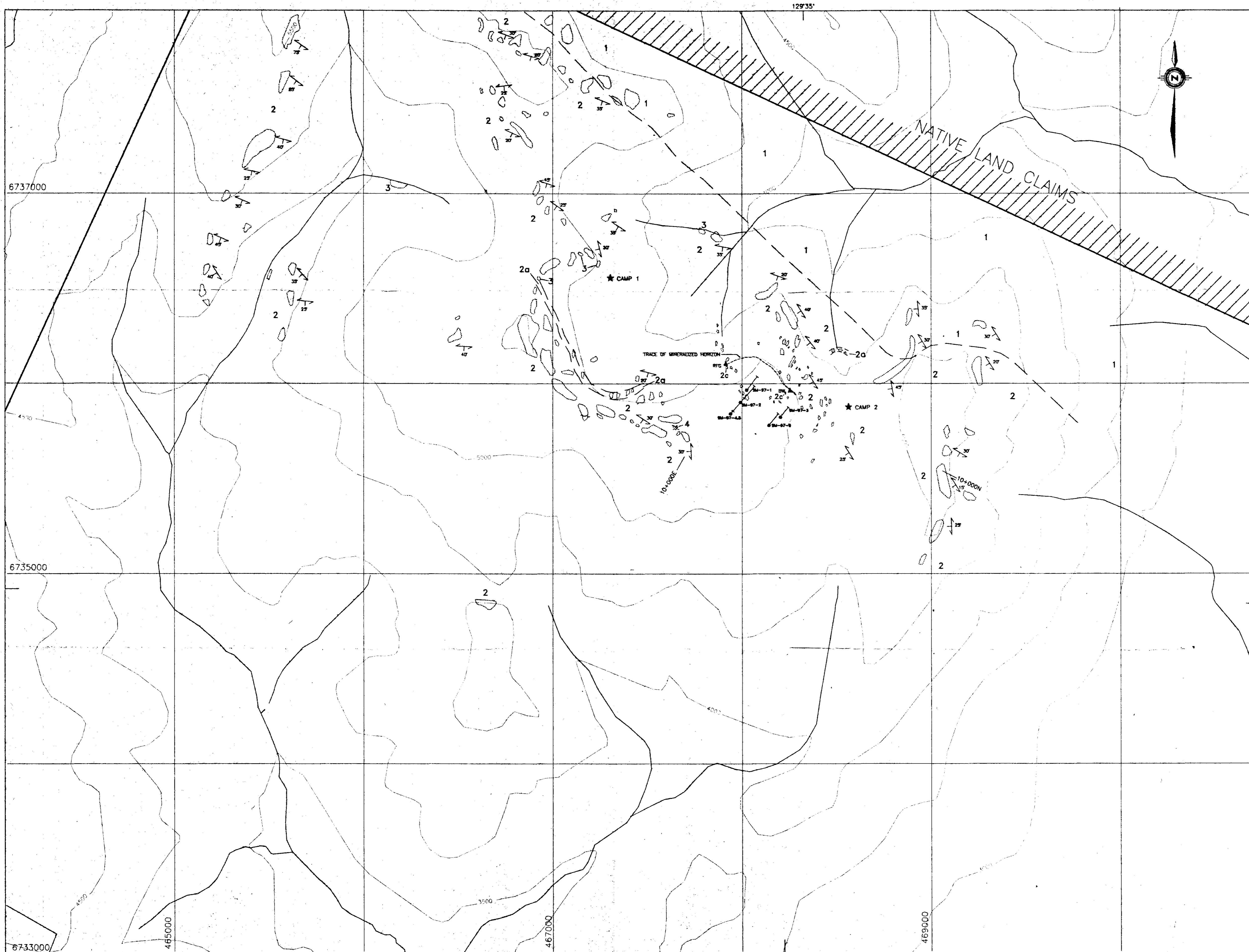
Drilling Dates:

Aug 2-4, 1997

Depth	0.00	127.10
Azimuth	40	40
Dip	-55	-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	6.05	6.05		CSDH	casing										
6.05	6.70	0.65	T	OBDH	overburden										
6.70	11.27	4.57	S	CMSH	coarse grained quartz-chlorite-muscovite schist										
11.27	15.84	4.57	T	CMSH	quartz-chlorite-muscovite schist										
15.84	21.94	6.10	T	QFMT	metatuff										
21.94	27.88	5.94	S	CMSH	quartz-chlorite-muscovite schist										
27.88	32.44	4.56	T	CMSH	quartz-muscovite-chlorite schist with relict quartz phenocrysts										
32.44	33.44	1.00	T	QZVN	broken bull quartz vein										
33.44	39.83	6.39	T	SCSH	quartz-sericite-chlorite schist with relict quartz phenocrysts										
39.83	40.47	0.64	T	GSPH	quartz-sericite-graphite schist										
40.47	42.36	1.89	T	QZVN	quartz veins with quartz-chlorite-muscovite schist										
42.36	46.77	4.41	T	CMSH	quartz-chlorite-muscovite schist										
46.77	48.41	1.64	F	GSPH	graphite-sericite phyllite -quartz-pyrite-galena bands at the end of the interval										
48.41	63.09	14.68	T	SCSH	fine grained quartz-sericite-chlorite schist										
63.09	67.20	4.11	F	SCSH	metatuff										
67.20	77.60	10.40	F	SCSH	fine grained quartz-sericite-chlorite schist										
77.60	84.40	6.80	T	QMSH	quartz-muscovite schist										
84.40	85.50	1.10	F	SMSH	semi-massive quartz-chlorite schist -bands or wisps of sphalerite, galena and pyrite	84.40	85.50	1.10	59318	100	440	4570	6480	8.0	n/a
85.50	88.15	2.65	F	QCSH	quartz-chlorite schist -fine disseminated pyrite	85.50	88.15	2.65	59319	100	14	306	310	0.2	n/a
88.15	89.40	1.25	F	SMSH	semi-massive quartz-chlorite-muscovite schist -0.1-0.2cm wide bands of galena, sphalerite, and pyrite parallel to foliation -downhole bands of magnetite with fine grained chalcopyrite and coarse grained pyrite	88.15	89.40	1.25	59320	100	1635	4210	2.00%	16.4	n/a
89.40	92.80	3.40	F	QGPH	quartz-graphite phyllite -with intercalations of quartz-chlorite schist										

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



Grid North
True North
0°39'
UTM Zone 9

- 98-97-1 1997 Diamond drill hole
- ↖ ↗ Foliation with strike and dip
- Geological contact, observed
- - - Geological contact, inferred
- Claim boundary
- ▲ Mineralization in outcrop
- ★ 1996, 1997 campsites

- 1 Granitic gneiss
- 2 Quartz-chlorite-muscovite schist
- 2a Quartz-muscovite±biotite schist
- 2c Phyllite
- 3 Dacite porphyry
- 4 Gabbro float

DIAND - YUKON REGION, LIBRARY

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NORDAC RESOURCES LTD.

FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

SIMPSON PROPERTY

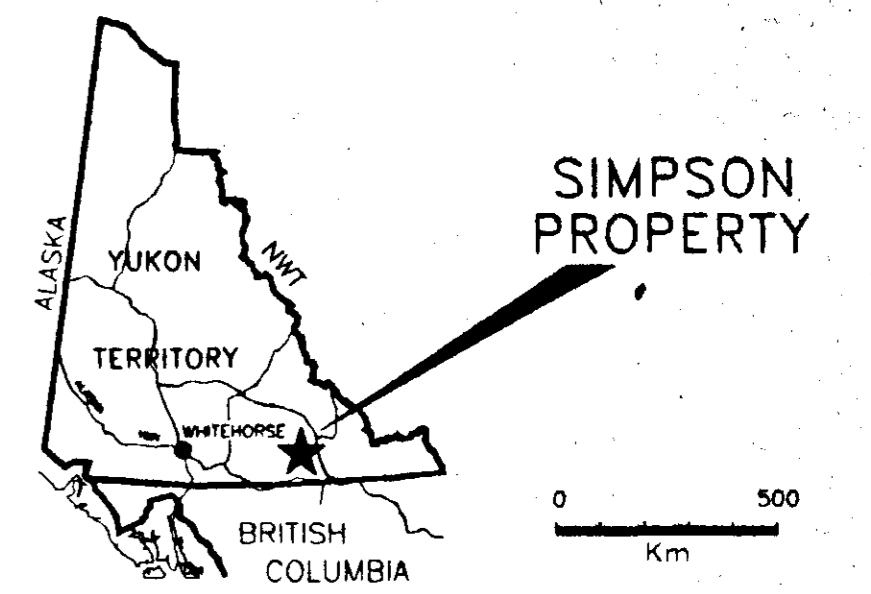
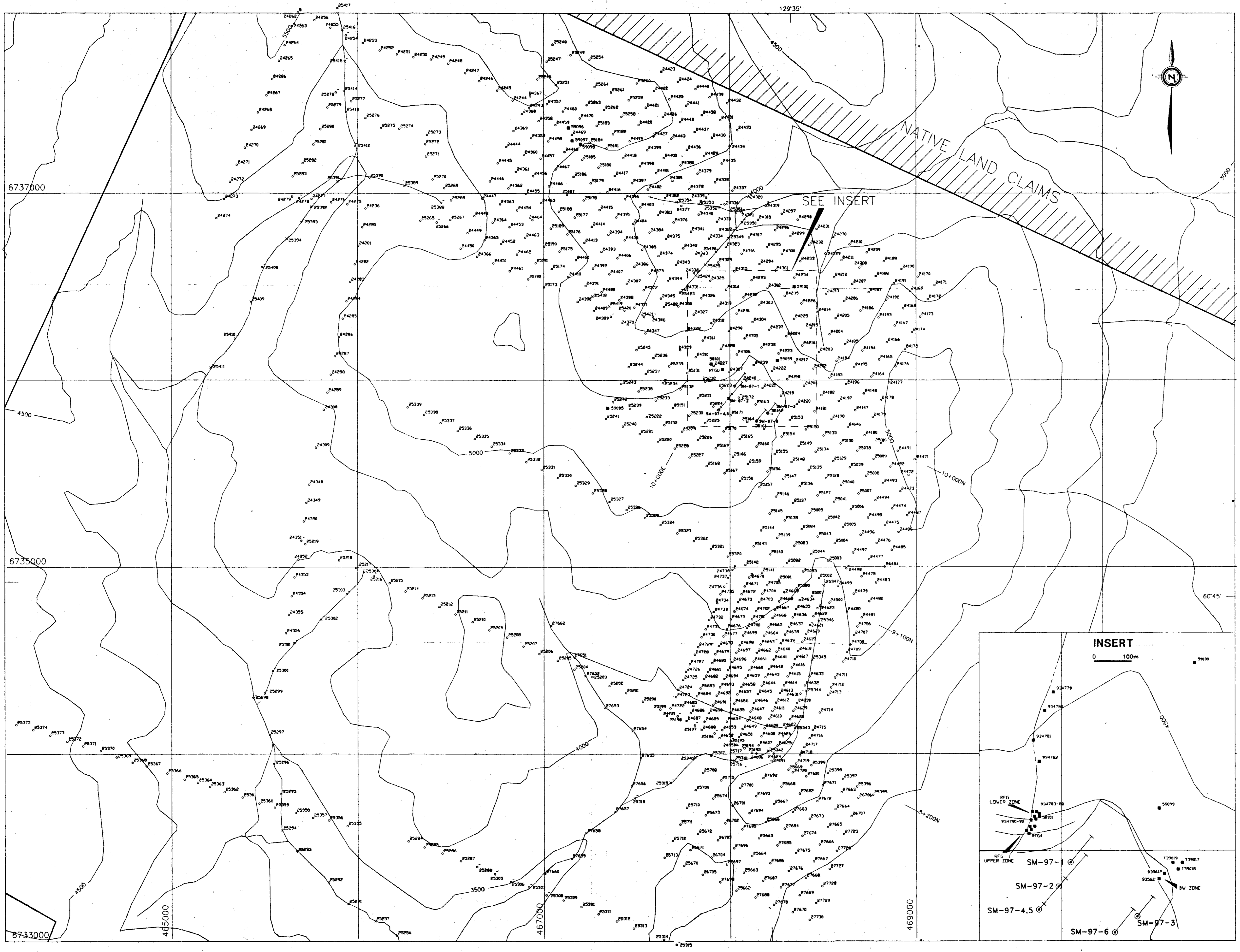
SCALE 1:10,000
0 100 200 300 400 500m

Dwh

DRAWN/REVISED BY: AG

PROJECT:
DATE: DECEMBER, 1997

FILE: NOR\SIMPSON\ACAD97\98-10GEO.DWG



TRUE NORTH
 UTM GRID NORTH
 MAGN. NORTH

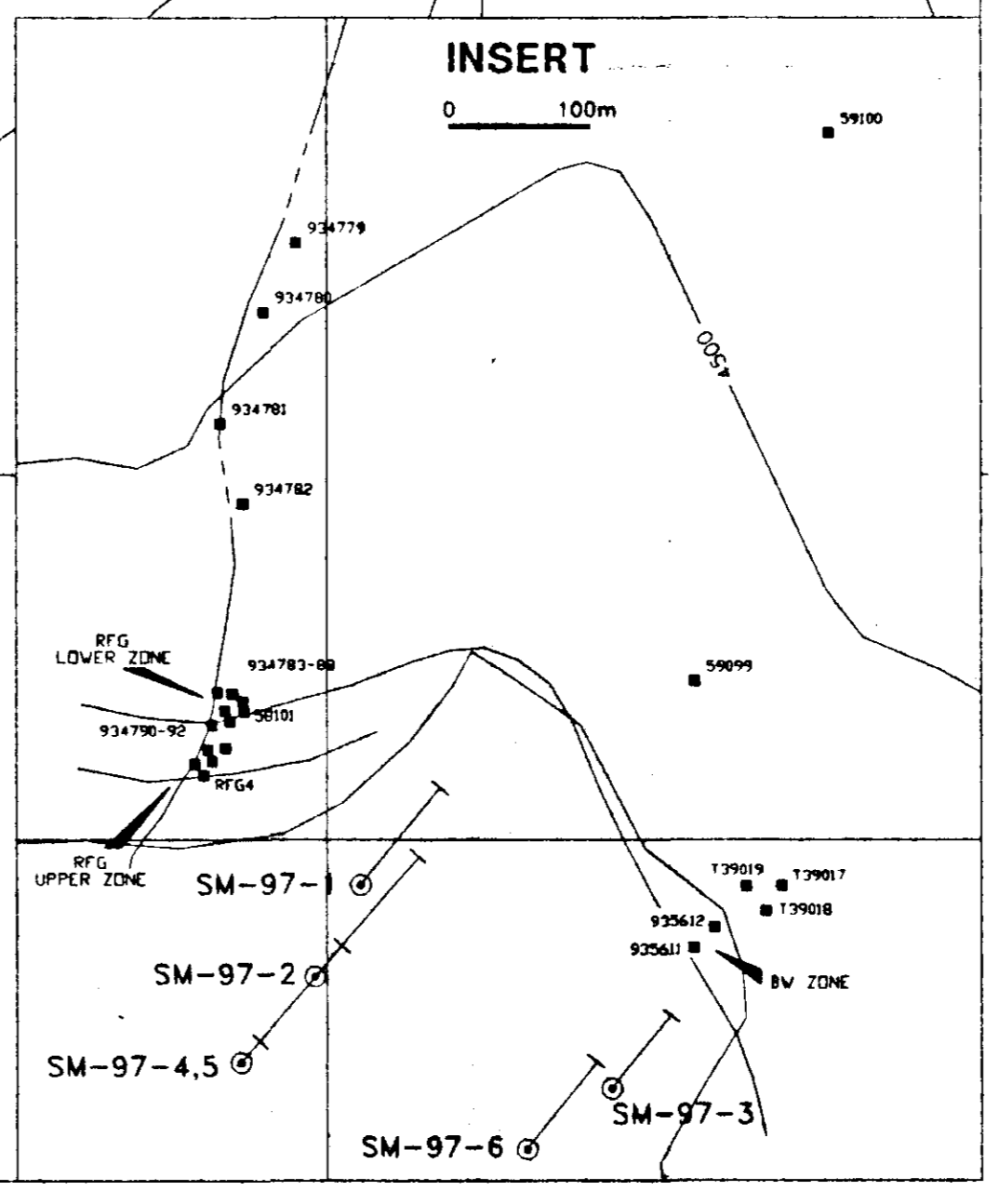
NTS: 100A/12 and 13
 UTM ZONE 9
 CONTOUR INTERVAL 500m

- Claim boundary
- SM-97-6 1997 Diamond drill hole
- 20449 Soil sample location with sample number
- 10683 Stream sediment sample location with sample number
- 59096 Rock sample location with sample number

HAND SPECIMEN ASSAYS
 SIMPSON PROPERTY

Showing	Sample Number	Cu %	Pb %	Zn %	Ag (g/t)	Au (ppb)
RFG (float)	934779	1.34	7.40	3.02	114.5	100
	934780	0.38	4.39	1.64	52.4	15
	934781	0.54	9.24	6.71	80.8	105
	934782	<0.01	0.61	0.20	24.8	35
	934783	<0.01	0.75	0.05	10.8	85
	934784	0.15	4.23	4.34	38.8	20
	934785	1.85	8.67	5.30	174.0	145
	934786	1.02	5.13	0.55	109.5	65
RFG (lower)	934789	0.30	7.30	6.06	67.2	25
	934788	0.40	7.66	7.60	54.5	69
RFG (upper)	934793	0.01	0.10	0.03	3.8	B.D.
	934794	2.17	10.50	2.26	128.6	B.D.
	935613	1.16	7.91	4.95	86.9	40
	58101	0.35	3.46	1.04	40.4	20
	934790	0.07	1.50	1.39	15.4	B.D.
BW (float)	934791	0.05	3.51	4.64	42.5	B.D.
	934792	0.04	1.34	1.37	15.1	B.D.
	934795	0.16	1.96	2.43	23.0	B.D.
	139017	1.57	2.22	0.95	185.0	160
	139018	0.76	0.32	1.47	67.0	B.D.
	139019	0.15	0.13	4.25	45.0	B.D.
935611	0.04	2.83	2.41	15.6	B.D.	
935612	0.02	1.11	1.32	9.2	B.D.	

B.D. - below detection limit
 DIAMOND-YUKON REGION, LIBRARY



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NORDAC RESOURCES LTD.

FIGURE 6
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

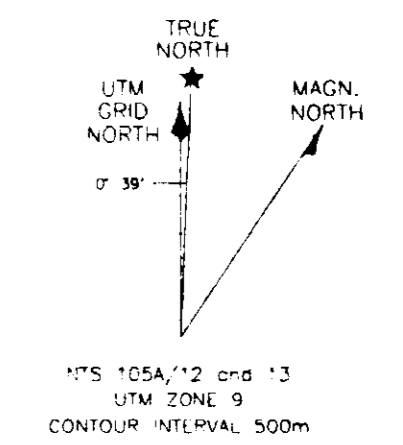
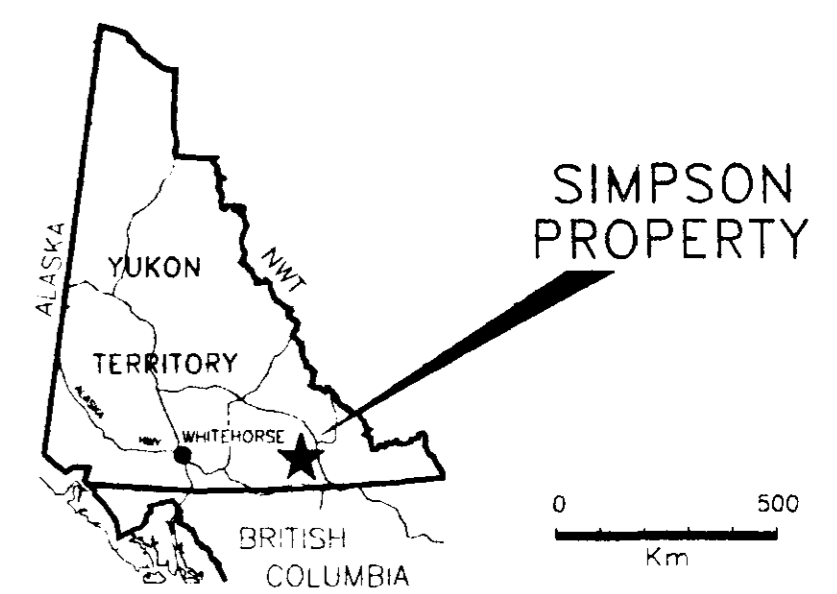
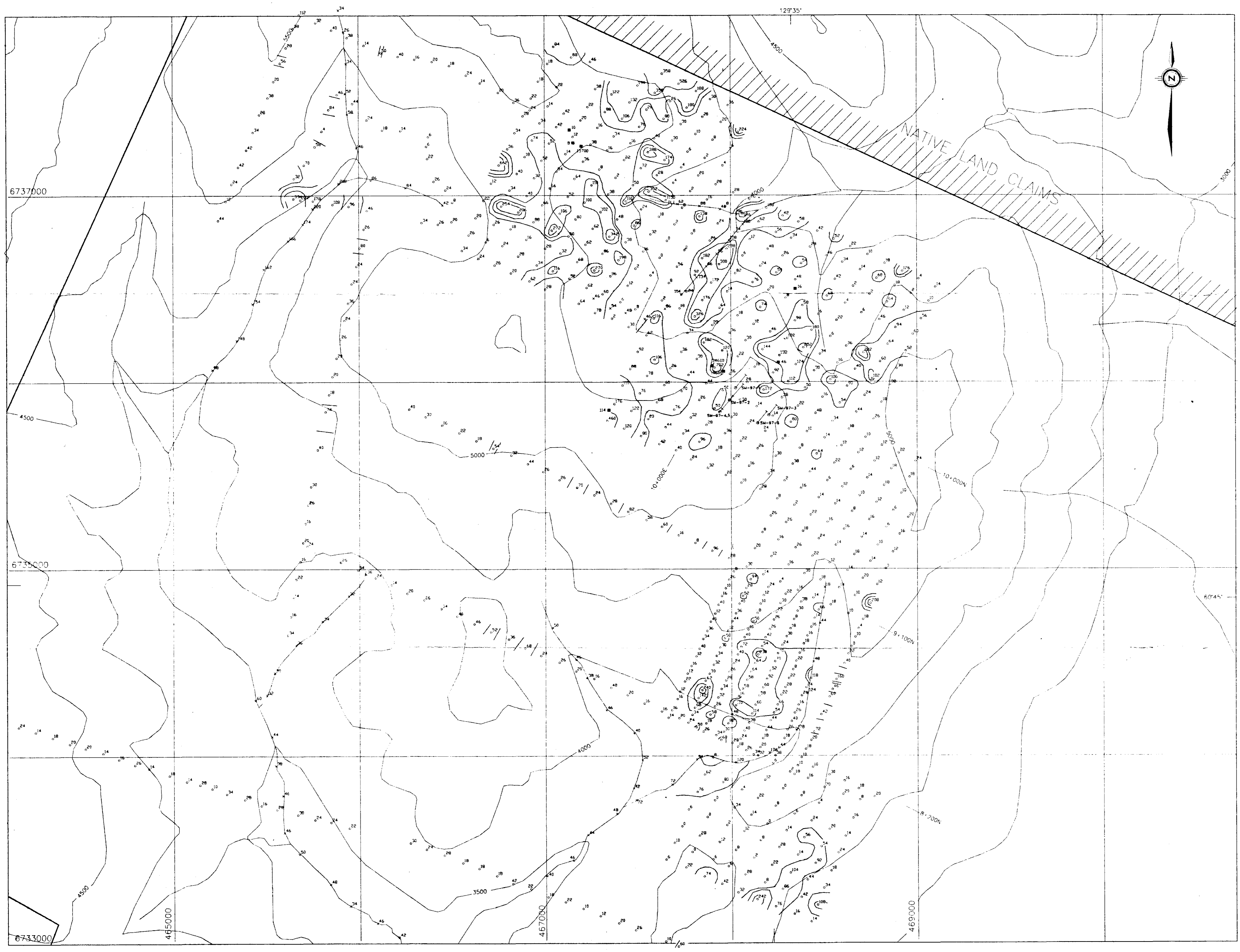
SAMPLE LOCATION

SIMPSON PROPERTY

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

DWH 2

DRAWN/REVISED BY: AG PROJECT:
 FILE: NOR\SIMPSON\ACAD97\9197-SL.DWG DATE: DECEMBER, 1997



- Claim boundary
- 1997 diamond drill hole
54-97-5
- 342 Soil sample location
with lead value in ppm
- 24 Stream sediment sample location
with lead value in ppm
- 1500 Rock sample location
with lead value in ppm
- ≥ 200 ppm Pb
- ≥ 100 < 200 ppm Pb
- ≥ 50 < 100 ppm Pb

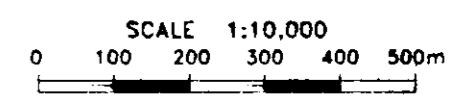
DIAMOND-YUKON REGION LIBRARY

NORDAC RESOURCES LTD.

FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

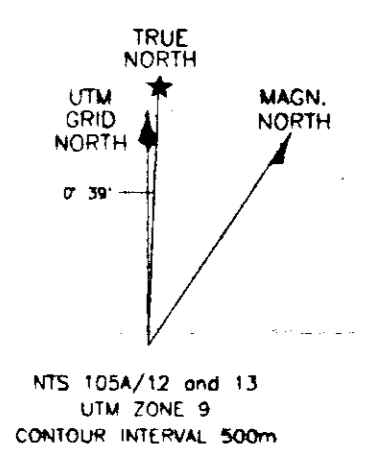
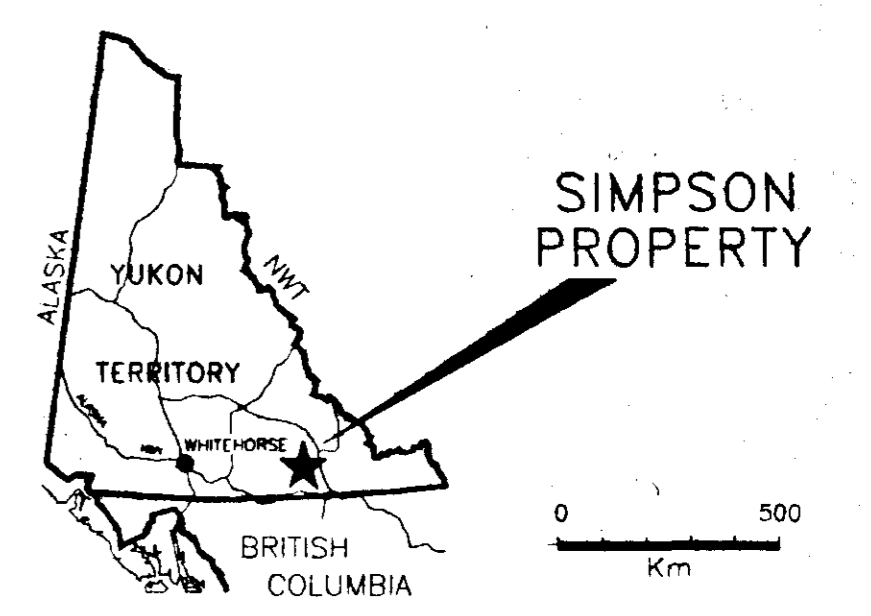
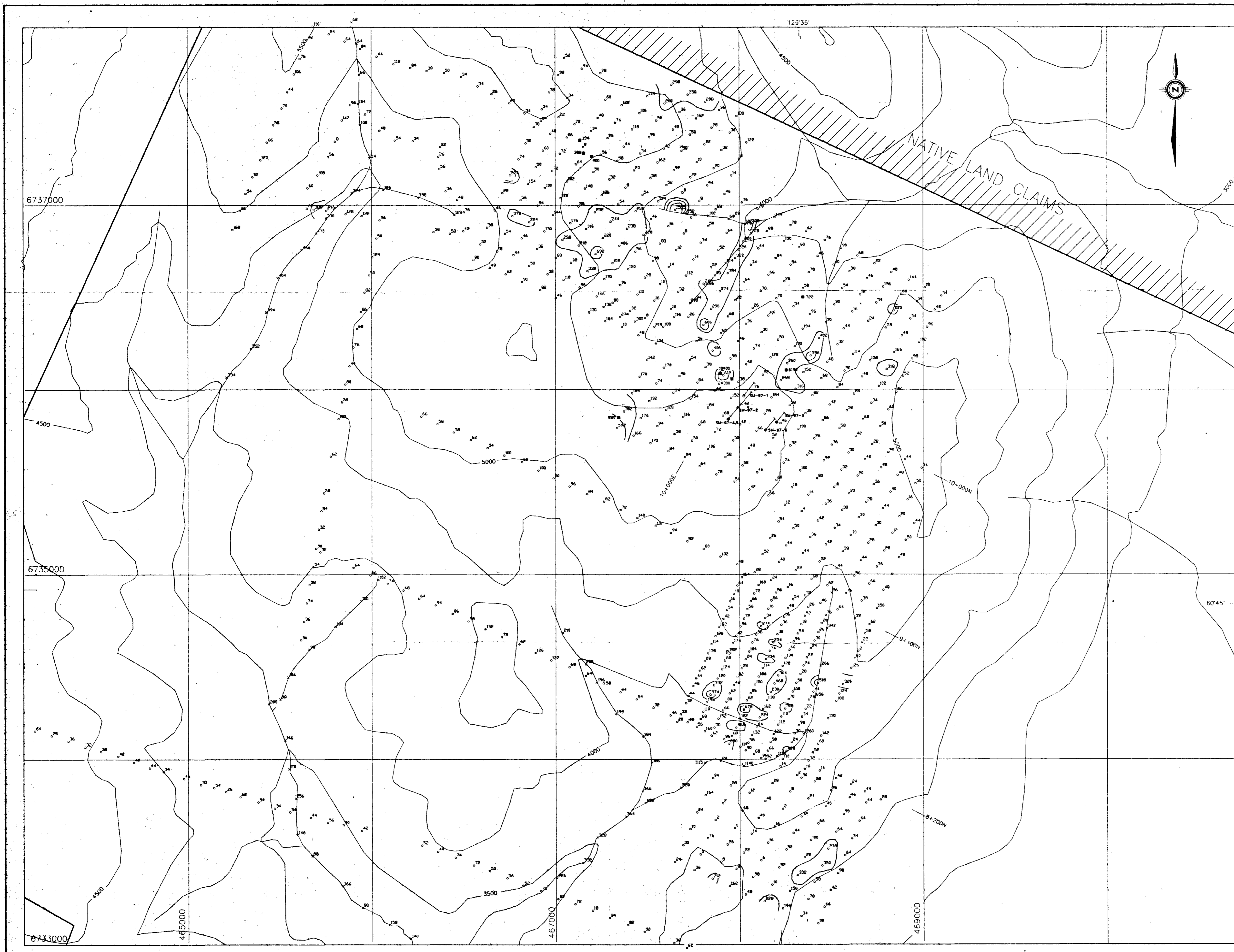
LEAD GEOCHEMISTRY

SIMPSON PROPERTY



DW 3

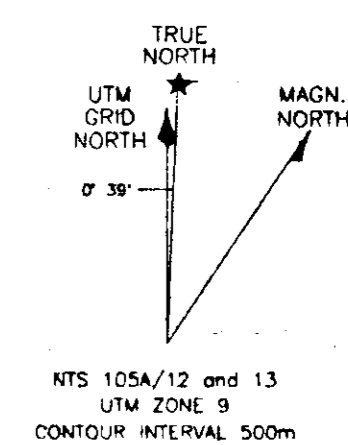
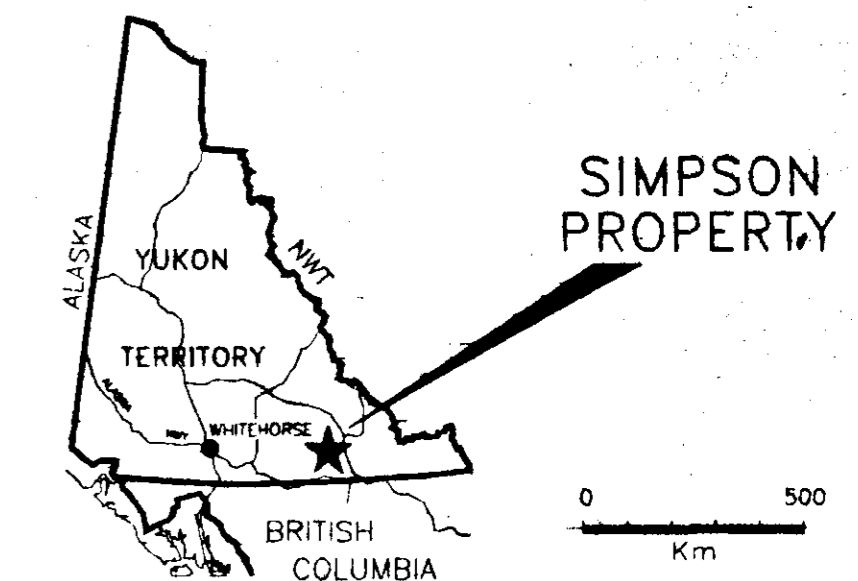
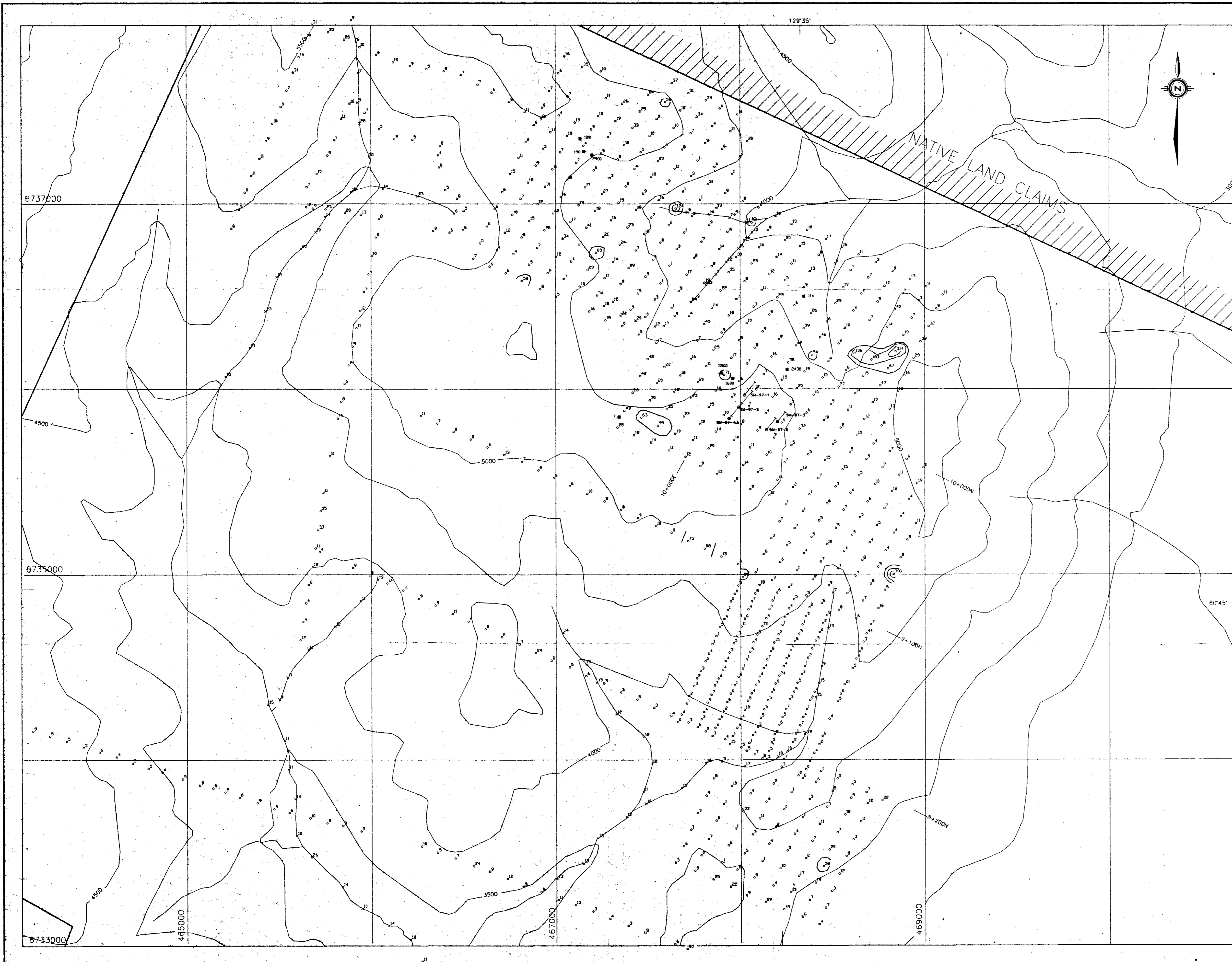
DRAWN/REVISED BY: AG	PROJECT:
FILE: NOPY/SIMPSON/ACAD97/SI97-SL.DWG	DATE: DECEMBER, 1997



- Claim boundary
 - 1997 diamond drill hole
 - Soil sample location with zinc value in ppm
 - ✕ Stream sediment sample location with zinc value in ppm
 - Rock sample location with zinc value in ppm
- ≥ 1000 ppm Zn
 - ≥ 500 < 1000 ppm Zn
 - ≥ 200 < 500 ppm Zn

093863

NORDAC RESOURCES LTD.	
FIGURE 9 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
ZINC GEOCHEMISTRY	
SIMPSON PROPERTY	
SCALE 1:10,000 0 100 200 300 400 500m	
DRAWN/REVISED BY: AG	PROJECT: Dwh (4)
FILE: NOR\SIMPSON\ACAD97A\S197-SL.DWG	DATE: DECEMBER, 1997



- Claim boundary
 - 1997 diamond drill hole
 - Soil sample location with copper value in ppm
 - ∇ Stream sediment sample location with copper value in ppm
 - Rock sample location with copper value in ppm
-
- ≥ 200 ppm Cu
 - ≥ 100 < 200 ppm Cu
 - ≥ 50 < 100 ppm Cu

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NORDAC RESOURCES LTD.	
FIGURE 10 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
COPPER GEOCHEMISTRY	
SIMPSON PROPERTY	
SCALE 1:10,000 0 100 200 300 400 500m	
DRAWN/REVISED BY: AG	PROJECT: <i>Dwb</i>
FILE: NOR, SIMPSON, ACAD97, S197-SL.DWG	DATE: DECEMBER, 1997

