

**ASSESSMENT REPORT**

describing

**PROSPECTING AND DIGITAL DATA COMPILATION**

at the

**NORTHERN DANCER PROPERTY**

Dansar 1 - 4 YB91322-YB91325  
Dansar 5F- 6F YB91394-YB91395  
Dansar 7 - 14 YB93166-YB93173  
Dansar 15 - 23 YB93507-YB93515

NTS 105B/4  
Latitude 60°00'10"N; Longitude 131°37'00"W

in the

Watson Lake Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**STRATEGIC METALS LTD.**

by

W. Douglas Eaton, B.Sc. Geology

May 2002



094303

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 10,450.

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

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## INTRODUCTION

The Northern Dancer property covers the Logtung tungsten-molybdenum deposit and is owned 100% by Strategic Metals Ltd. It consists of 23 claims in Yukon and one claim (nine units) in British Columbia.

This report describes work done on the Yukon claims, which included digital data compilation in spring 2001, follow up prospecting performed on September 9, 2001 by the author and geologist R.C. Carne, and additional digitization done in spring 2002. Review of geological, geochemical and geophysical data from several generations of previous work together with airphoto analysis, identified promising exploration targets that have not been tested by drilling. The prospecting was done in the vicinity of one of the targets, but its effectiveness was hampered by snow cover. The Author's Statement of Qualifications appears in Appendix I.

## PROPERTY, LOCATION AND ACCESS

The Yukon portion of the Northern Dancer property consists of 23 contiguous mineral claims located in the Watson Lake Mining District on NTS map sheet 105B/4. The claims are centred at latitude 60°00'10"N and longitude 131°37'00"W (Figure 1). The southern edge of the claim block follows the B.C.-Yukon border. Strategic also owns an adjoining, nine unit claim on the B.C. side of the border.

The Yukon claims are registered in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Strategic. Claim data are listed below while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Dansar 1-4	YB93122-YB93125	March 12, 2012
5F-6F	YB91394-YB91395	March 12, 2012
7-14	YB93166-YB93173	March 12, 2007
15-23	YB93507-YB93515	March 12, 2007

\* Expiry dates include credit for work described in this report which has been filed but not yet accepted.

Access is provided by a 13 km gravel road extending from Km 1203 on the Alaska Highway to the property. Although the road has not been maintained since the early 1980s, it is passable with four-wheel drive vehicles during summer and fall and could easily be upgraded for all-season two-wheel drive access.

## PREVIOUS WORK

In 1975 the Bath Uranium Partnership discovered tungsten stream sediment anomalies, but it was not until the following year that the anomalies were traced to their source and a large claim block

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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PROPERTY LOCATION**  
NORTHERN DANCER PROPERTY

SCALE 1:5,000,000

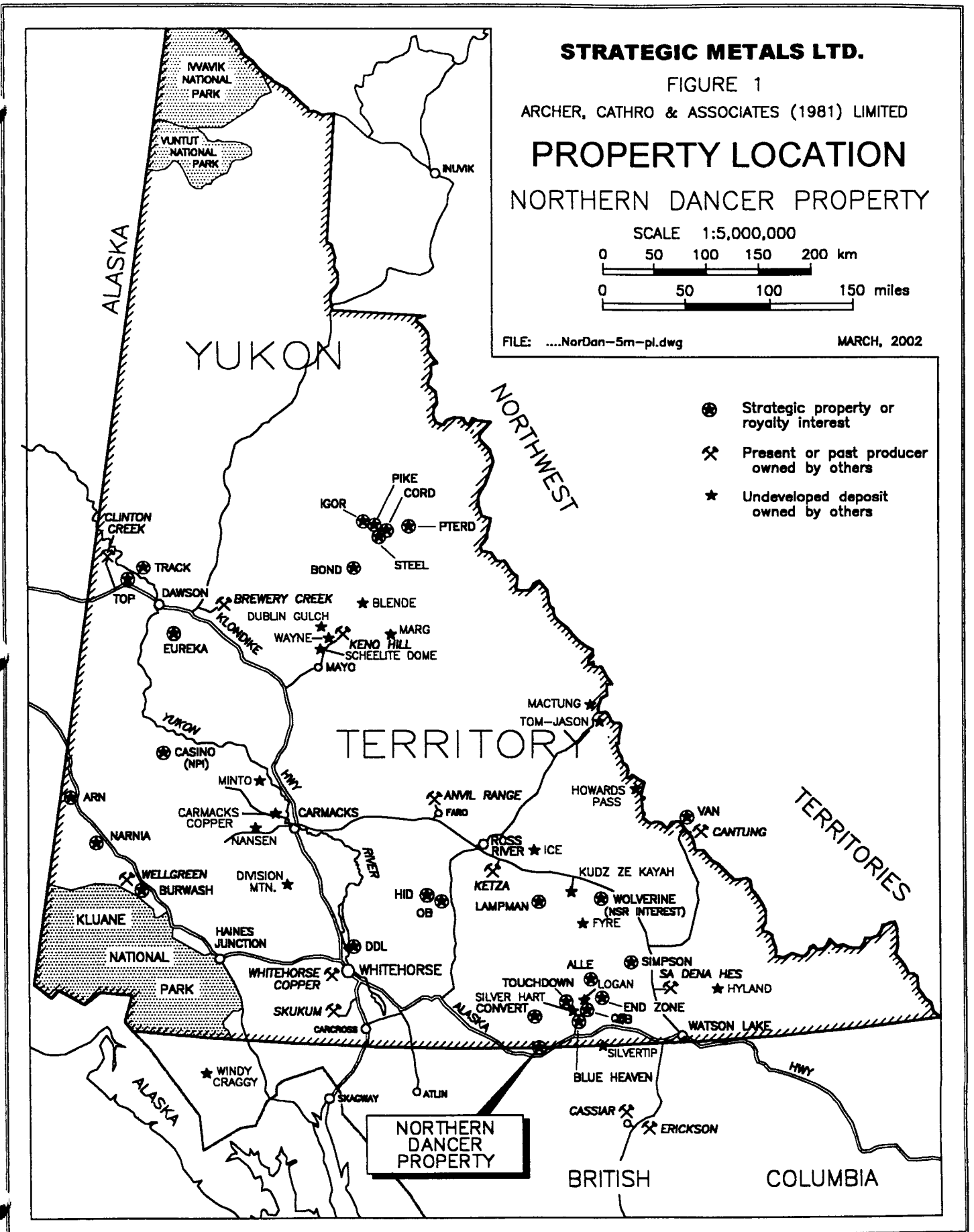
0 50 100 150 200 km

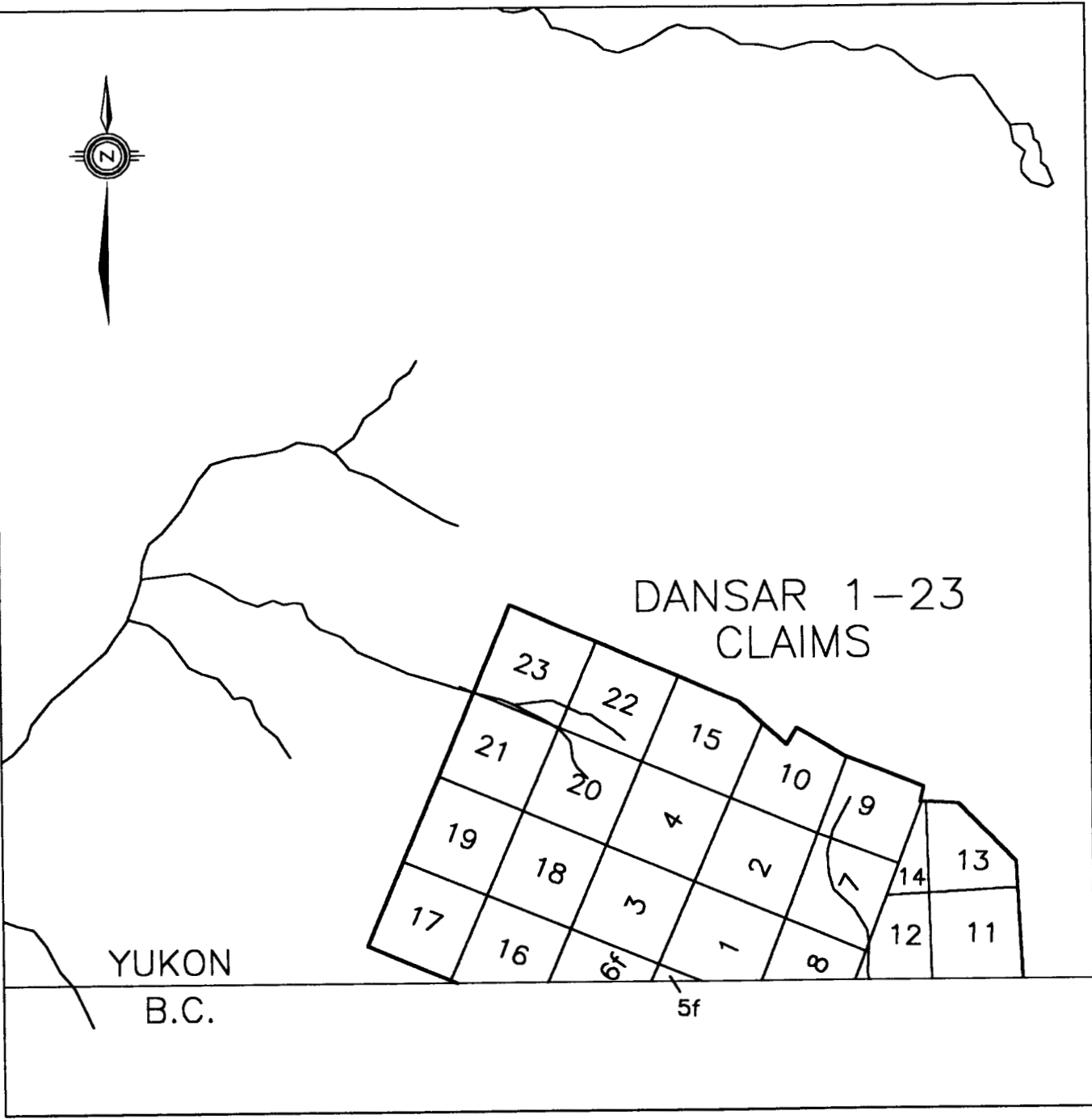
0 50 100 150 miles

FILE: ....NorDan-5m-pl.dwg

MARCH, 2002

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

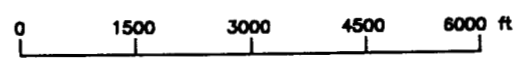




NTS 105 B/4

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FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATION**  
 NORTHERN DANCER PROPERTY



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DATE: MARCH, 2002

was staked straddling the B.C.-Yukon border. After preliminary prospecting, ownership of the claims was transferred to Logjam Resources Ltd. which immediately optioned them to Amax Potash Limited. Between 1977 and 1981 Amax built a road to the property and explored with geological mapping, soil geochemistry, IP surveys, 47 diamond drill holes totalling 11,157 m and 496 m of underground workings. The surface work was done on both sides of the border but only 474 m of diamond drilling (4 holes) were performed on B.C. claims. Most of the work focussed on an area about 300 m north of the border where the Logtung Deposit was outlined. In 1983 Amax transferred its interest to Canamax Resources Inc. which then prepared a preliminary feasibility study that concluded the deposit was uneconomic. In 1984 airborne magnetic and electromagnetic surveys were conducted. Canamax dropped its option in 1986. Subsequently most of the Yukon and all of the B.C. claims were allowed to lapse.

In 1993 NDU Resources Ltd. optioned the remaining claims as a possible bulk tonnage gold target modelled on the Fort Knox Deposit in Alaska (Eaton, 1994). That program consisted of soil geochemical surveys and prospecting on both sides of the border plus 234 m of diamond drilling in two holes. Soil sampling outlined large areas of moderately to strongly anomalous tungsten, bismuth and gold values but rock analyses and drilling returned disappointing results. The option was allowed to expire without additional work being done.

In 1998 Nordac Resources Ltd. (renamed Strategic Metals Ltd. in 2001) restaked the deposit and performed additional prospecting and limited rock sampling, which were directed primarily toward beryllium potential.

### **GEOMORPHOLOGY**

The claims cover the headwaters of two creeks, one draining west into the Smart River and the other southeast into the Swift River. Local elevations range from 1350 to 1750 m above sea level. The area has undergone recent alpine glaciation and is typified by steep ridges separating broad U-shaped valleys blanketed by basal till and glacial moraines. Outcrop is most abundant along ridge crests and on the north or west facing cirque walls. South and east facing slopes are usually covered by talus. Most of the property is above tree line which is at 1450 m.

### **GEOLOGY**

Regional and property geology are well described in Noble et al, (1986) plus a number of company reports, notably Harris (1978 and 1979). No attempt has been made by Strategic to remap the property and the following is a brief summary of the earlier descriptions.

The property lies south of the Tintina Fault within Cassiar Platform. Country rocks consist of Paleozoic fine grained clastic and carbonate sedimentary rocks that were deposited along the margin of North America and later deformed during a Mesozoic arc-continent collision. The sediments are intruded by two Mesozoic intrusive suites. The older suite is Jurassic to Triassic age and includes stocks and dykes ranging from ultramafic to granodiorite in composition. The

younger intrusions are Cretaceous in age and quartz monzonite to monzogranite in composition. They range from batholiths (Cassiar, Seagull and Hake) through to narrow hypabyssal dykes.

Figure 3 on the following page illustrates geology on and immediately adjacent to the claims. Sedimentary rocks are Carboniferous in age and consist of isoclinally folded graphitic quartzites with calcareous shale interbeds. The strata generally exhibit shallow to moderate dips. The sedimentary rocks are intruded by two Triassic diorite stocks flanked by satellite dykes, and a Cretaceous monzogranite stock accompanied by swarms of pegmatite dykes and sills plus a slightly younger but apparently comagmatic felsic dyke complex. Both ages of intrusions produced extensive hornfels halos and localized skarn horizons.

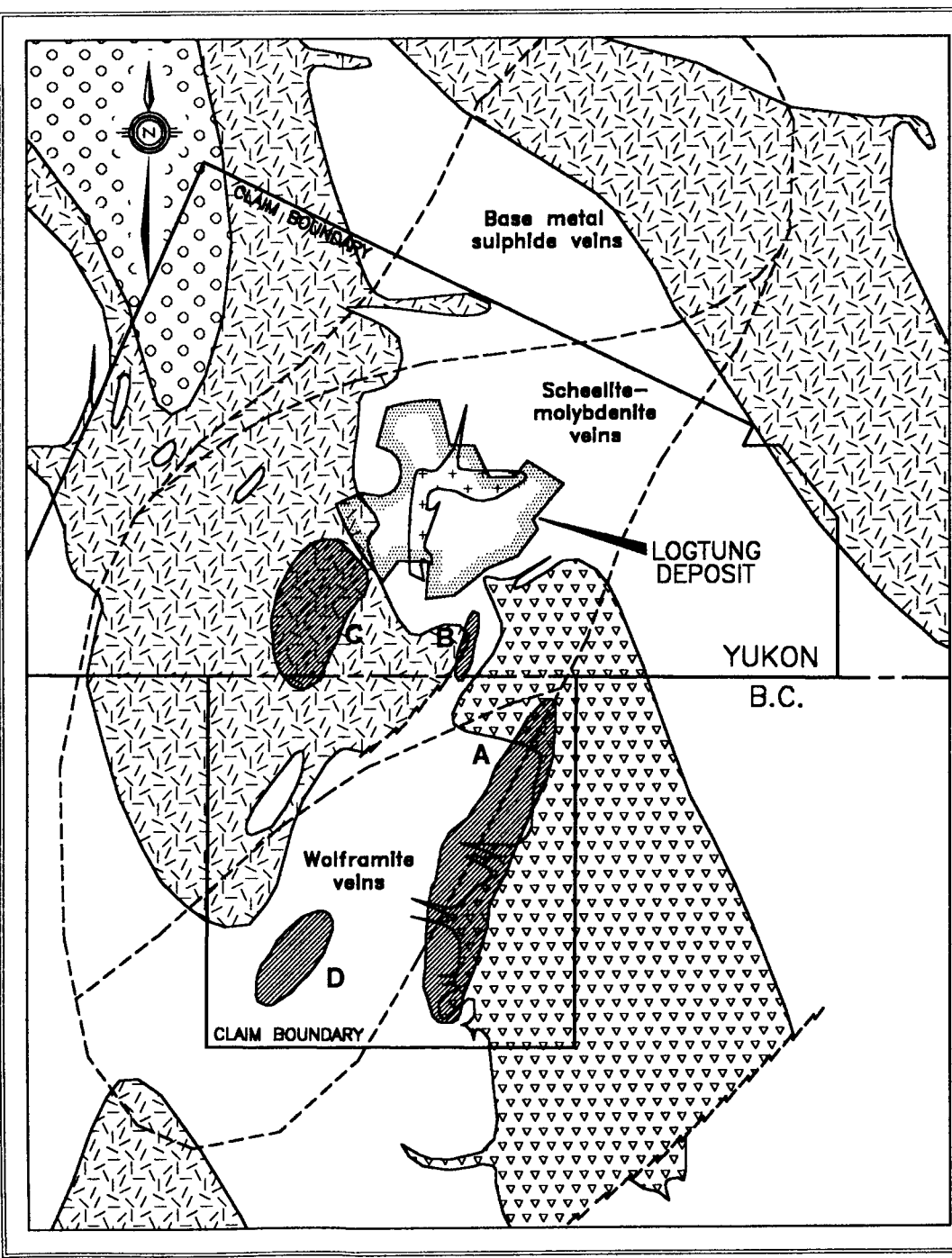
All units are cut by northeast striking, steeply dipping faults, that are readily visible as recessive linears on airphotos. Where exposed these structures are 5 to 10 m wide and contain numerous 1 to 30 cm wide, white quartz veins surrounded by weakly clay altered wallrocks with abundant quartz stringers. Slickensides are rare and offsets appear to be small.



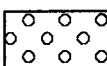
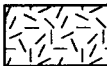

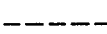

### SOIL GEOCHEMISTRY

Figure 4 on the following page illustrates contoured tungsten-in-soil results based on 1977 grid sampling done by Amax. These results were obtained colourimetrically and represent near total tungsten content in the minus 35 mesh fraction. Amax's results closely resemble those obtained by NDU Resources in 1994; even though that sampling was done using different grid lines and sample spacing. The 1994 analyses were performed on the minus 35 mesh fractions using aqua regia digestion and a 32 element induced coupled plasma (ICP) finish. The 1994 analytical technique only partially digested scheelite, thus understating the tungsten content. The areas of strongly anomalous tungsten response are nearly identical for the two surveys, except that the anomalous thresholds for 1994 data are 50% lower than those from the 1977 survey (i.e. 400 ppm vs 800 ppm), reflecting the incomplete scheelite digestion.

When the outline of the drill indicated deposit is superimposed on the tungsten-in-soil results, it is immediately apparent that the area of strongly anomalous values is mostly southwest of the defined deposit. The portion of the anomaly that lies outside the pit covers some 200,000 m<sup>2</sup> and is predominantly underlain by diorite. Samples collected within the anomaly but outside of the deposit average 1577 ppm WO<sub>3</sub> compared to 240 ppm WO<sub>3</sub> from samples taken directly over it. There is no obvious geomorphological explanation for this large discrepancy and no drilling or trenching has been done within the anomaly to test the significance of the elevated values.

In order to better understand the potential of this new target and the relationship between tungsten and other metals, the 1994 ICP data were re-examined and results were plotted on 1:5000 scale base maps for tungsten, molybdenum, beryllium, bismuth, gold, silver and arsenic (Figures 5 through 11, respectively). The first four metals are all very strongly anomalous by any standard. Gold, silver and arsenic values are high and show good contrast with surrounding background values, but are not exceptional when compared with areas of known mineralization elsewhere in Yukon.



-  Felsic dyke complex
-  Monzogranite
-  Granodiorite
-  Diorite
-  Sedimentary rocks
-  Limit of mineralization
-  W-Be vein zone described in text

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FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**GEOLOGY**  
 NORTHERN DANCER PROPERTY

SCALE 1:25,000

0      500      1000      1500m

DRAWN/REVISED BY: AG	PROJECT:
FILE: ..NorDon-25k-g.dwg	DATE: MARCH, 2002

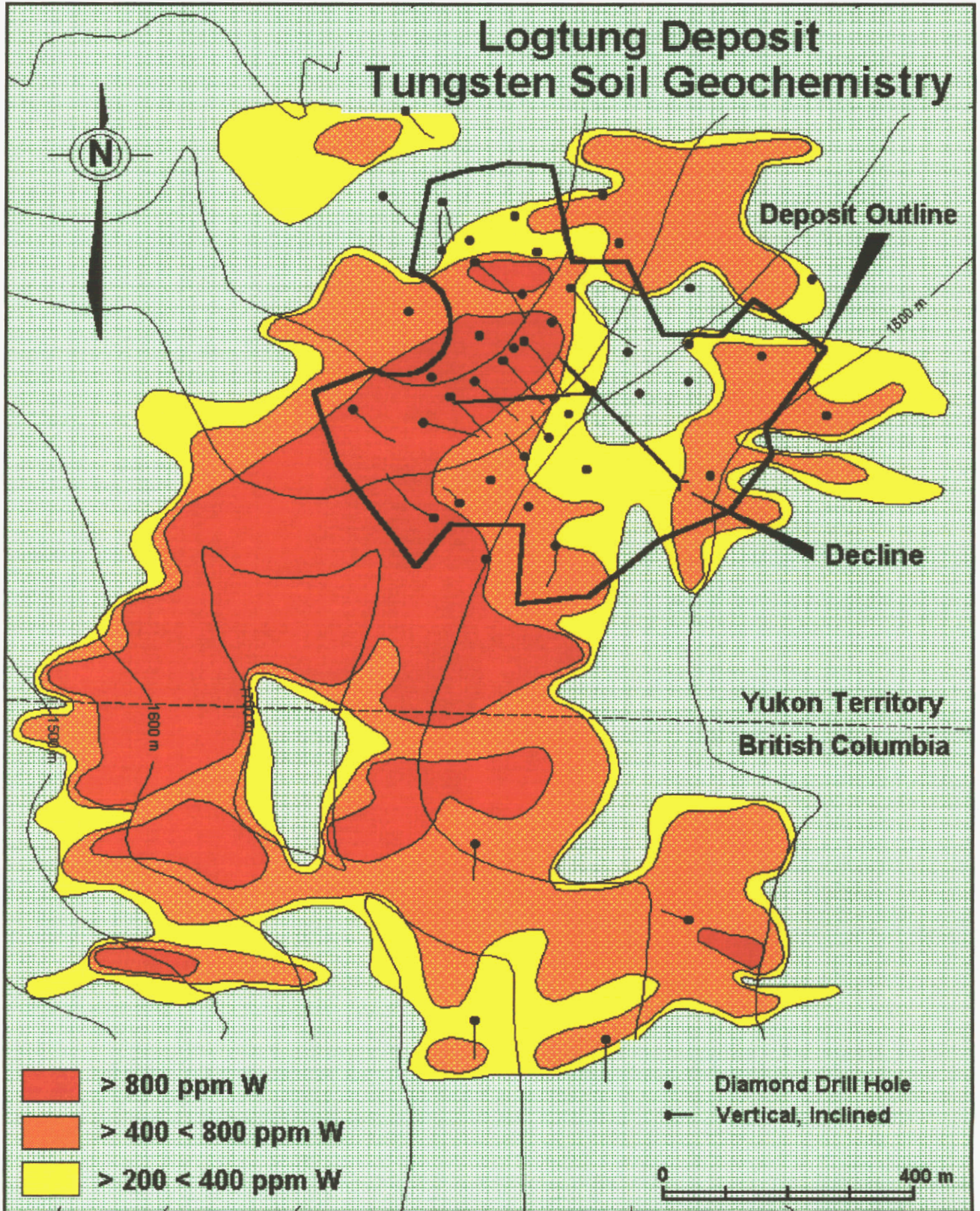


Figure 4: Tungsten soil geochemistry, Northern Dancer property

The distribution of the geochemical values suggests somewhat asymmetric metal zoning centred on the felsic dyke complex. Molybdenum values are highest in the core, with peak values approximately coinciding with the known deposit. The area of maximum tungsten response partially overlaps the molybdenum highs but extends about 500 m to the southwest. The other metals all returned relatively low values directly over the deposit but produced clusters of high values to the south and west, that usually coincide with areas of high tungsten values. Most contoured results show elongated patterns trending northeasterly subparallel to the orientation of the sheeted veins. The asymmetry of the anomaly about the deposit likely reflects enhanced development of the sheeted veins in the relatively brittle diorite southwest of the deposit compared to the more ductile sediments to the northeast.

### MINERALIZATION

Previous work in the vicinity of the claims has outlined an extensive, multi-episode vein system that is enriched in several metals, most notably tungsten and molybdenum. The system is centred on the felsic dyke complex and forms a 3 by 1 km kidney-shaped zone that is elongated along a north-northeasterly axis (Figure 3). Most of the mineralization within the system occurs in veins and fractures with the remainder found as disseminations within the felsic dyke complex and skarn horizons. The veins cross cut all units and are apparently related to emplacement of the felsic dyke complex. Table I below summarizes mineralization in the main vein sets, from oldest to youngest.

**TABLE I**  
**Summary of Vein Mineralogy** (from Noble et al, 1986)

<u>Vein type</u>	<u>Essential Minerals</u>	<u>Accessory Minerals</u>
Quartz- molybdoscheelite	quartz, garnet, diopside, molybdoscheelite, pyrite	epidote, chlorite, fluorite, calcite, biotite, molybdenite, plagioclase, orthoclase
Quartz-pyrite- scheelite	quartz, fluorite, epidote, scheelite, chlorite, molybdoscheelite	plagioclase, calcite, garnet, diopside, hornblende, biotite, orthoclase, sphalerite, molybdenite, chalcopryrite
Quartz- molybdenite	quartz, epidote, calcite, diopside, molybdenite, pyrite, chalcopryrite	muscovite, chlorite, scheelite, garnet, sphalerite, plagioclase, pyrrhotite, rutile
Sheeted veins (A) Scheelite- molybdenite (central region)	quartz, beryl, scheelite, orthoclase, fluorite, plagioclase, calcite, pyrite, molybdenite	biotite, chlorite, muscovite, epidote, helvite, sphalerite, bismuthinite, marcasite, pyrrhotite, galena

**TABLE I (cont'd)**  
**Summary of Vein Mineralogy** (from Noble et al, 1986)

<u>Vein type</u>	<u>Essential Minerals</u>	<u>Accessory Minerals</u>
(B) Pb-Zn-Ag (northeast)	quartz, calcite, arsenopyrite, galena, sphalerite, pyrrhotite, chalcopyrite	chlorite, stannite, galenobismutite, pyrite, löllingite
(C) Quartz-wolframite (southwest)	quartz, fluorite, beryl, wolframite	calcite, scheelite, bismuthinite

Amax's exploration focussed on bulk tonnage potential of the felsic dyke complex and its immediate wallrocks. Final evaluation of the results, undertaken as part of the prefeasibility study, yielded the following conclusions which have potentially important exploration implications (Canamax, 1983).

1) Although the felsic dykes are enriched in molybdenum relative to the wallrocks, they are relatively depleted in tungsten. This relationship is demonstrated for samples taken from drill holes and the decline on Tables II and III, respectively.

**TABLE II**  
**Grade Distribution by Rock Type in Drill Samples**

<u>Rock type</u>	<u>WO<sub>3</sub>%</u>			<u>MoS<sub>2</sub>%</u>			<u>WO<sub>3</sub>:MoS<sub>2</sub></u>
	<u>Min.</u>	<u>Max.</u>	<u>Avg.</u>	<u>Min.</u>	<u>Max.</u>	<u>Avg.</u>	
Wallrocks	0.05	0.17	0.10	0.027	0.077	0.041	2.5:1
Felsic complex	0.02	0.12	0.06	0.031	0.131	0.080	0.8:1

**TABLE III**  
**Grade Distribution by Rock Type in Decline Samples**

<u>Rock type</u>	<u>Avg. WO<sub>3</sub>%</u>	<u>Avg. MoS<sub>2</sub>%</u>	<u>WO<sub>3</sub>:MoS<sub>2</sub></u>
Skarn	0.108	0.036	3.00:1
Felsic complex	0.066	0.046	1.44:1

- 2) The northeasterly striking, sheeted veins are a major control on  $WO_3$  grade but do not influence distribution of  $MoS_2$ . This is best illustrated by results from the decline sampling which are shown on Figure 12.
- 3) Although sheeted veins and skarn horizons offer potential for zones of much higher than deposit average grade material, this heterogeneity does not appear to significantly impact on the reliability of the bulk tonnage resource estimate, as demonstrated by Table IV.

**TABLE IV**  
**Comparison of Drill Hole and Decline Assay Results**

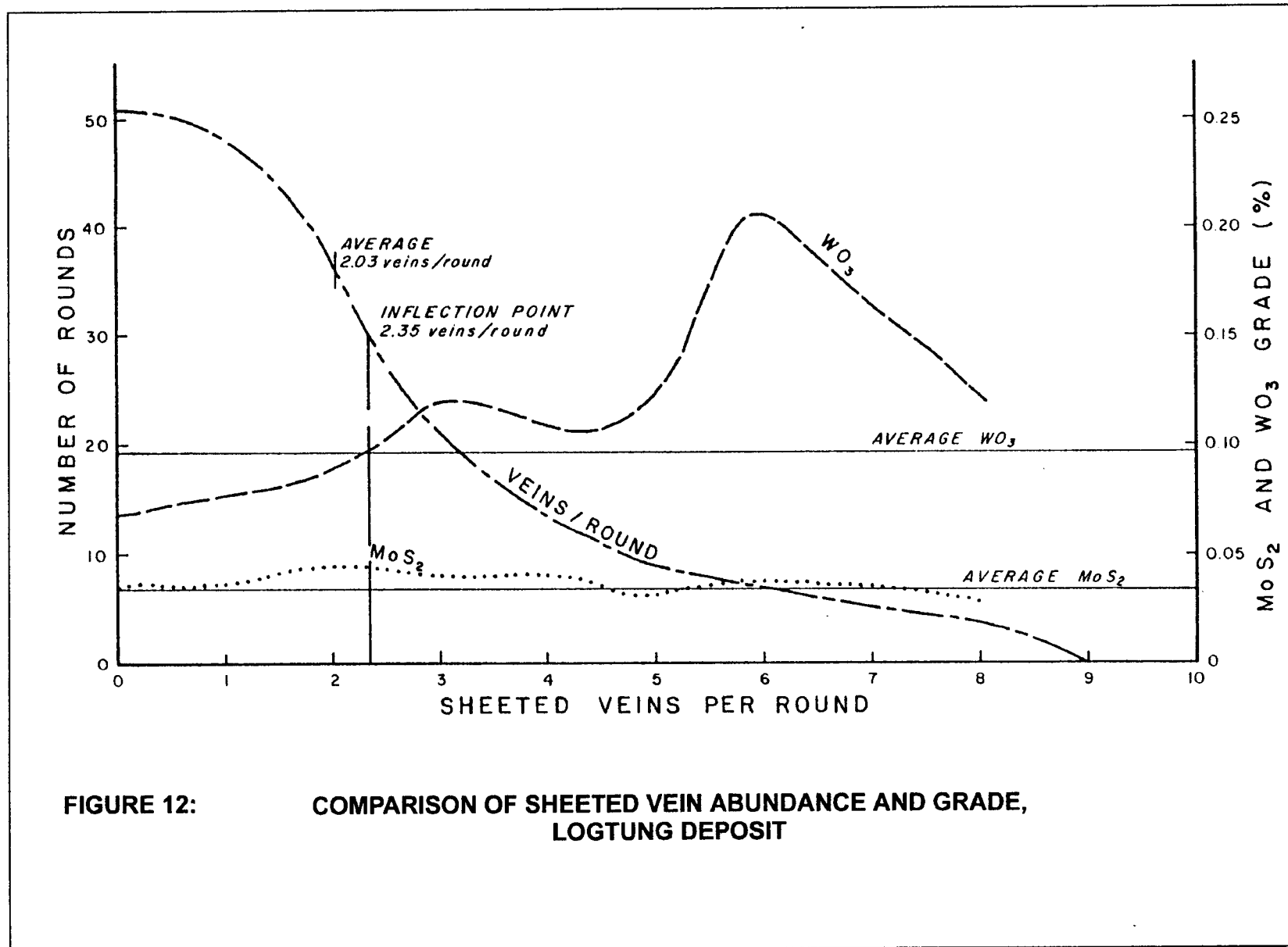
	<u><math>WO_3\%</math></u>	<u><math>MoS_2\%</math></u>	<u><math>WO_3:MoS_2</math></u>
Average of drill assays at approx. depth of decline	0.091	0.035	2.57:1
Average of decline assays	0.095	0.039	2.46:1

Potential for structurally or stratigraphically controlled, higher grade zones within or adjacent to the bulk tonnage deposit was not evaluated by Amax or Canamax, but does appear to exist. Unfortunately most of the drill holes were vertical or steeply inclined and therefore failed to properly test the steeply dipping, sheeted veins. The best sheeted vein interval averaged 1.07%  $WO_3$  and 0.125%  $MoS_2$  across a 12 m section containing 15 veins, the largest of which was 50 cm thick in core. The existing drill data are also inadequate to evaluate skarn potential because the holes were too widely spaced to allow correlation between skarn intersections, especially considering the strong deformation in the metasediments and the relative lack of data regarding bedding orientations. The best skarn interval returned 1.13%  $WO_3$  and 0.129%  $MoS_2$  over 4 m.

Prospecting, mapping and soil geochemical results from the various exploration programs including Strategic's work in 1998 and 2001 clearly indicate that potential for sheeted vein and skarn mineralization extends well beyond the outlined deposit. The work also suggests that tungsten±molybdenum veins south of the defined deposit could contain potential by-products including beryllium, bismuth, gold and silver. North of the deposit, the sheeted veins contain predominantly base and precious metals. Underground development on two veins at the adjoining Logjam property, about 2 km from the deposit, outlined a probable resource of 70,290 tonnes grading 3.02 g/t gold and 392.2 g/t silver (Cathro, 1982).

Four areas containing sheeted veins and related pegmatite dykes have been identified south of the deposit, as described in the following paragraphs and shown on Figure 3.

The largest, highest grade area (**Area A**) is in the eastern third of the B.C. claim, about 400 m south of the deposit. Scattered mineralized float has been found over a length of about 1000 m,



with the highest concentrations occurring on talus slopes and the lowest densities in areas where the hillside is covered by a thin layer of soil plus grass and buckbrush. The float appears to be derived from a series of sheeted veins striking about 30° and dipping vertically or steeply to the west. Subcrop and outcrop mineralization has been discovered at three sites where the vein trends across a ridge crest in the southeast corner of the claim and in three of five hand trenches dug near the top of a major float train (the other two trenches failed to reach bedrock). The largest quartz vein in the area is up to 80 cm thick and is part of a swarm of veins comprising about 15% of the rock over a width of 20 m. The veins consist of massive white quartz with traces of beryl and bismuthinite. Throughout the zone, well mineralized veins range between 1 and 30 cm in thickness, based on exposures and the dimensions of float fragments. Typically, they contain white quartz with 1 to 50% pale blue cloudy beryl, trace to 3% muscovite, trace to 10% pale purple fluorite and trace to 0.5% bismuthinite. The beryl is normally euhedral and is between 0.5 and 4 cm long and 0.2 and 0.8 cm in diameter. It is often concentrated along vein selvages. Transparent beryl crystals up to 2 cm long and 0.6 mm in diameter have been observed in vugs along with transparent, clear or smoky euhedral quartz crystals. Specimens of mineralized vein have assayed up to 7.85% BeO and 10.30% WO<sub>3</sub>. The best chip samples from veins exposed in hand trenching returned 4.88% BeO and 1.15% WO<sub>3</sub> across 8 cm. Only a small area has been tested by hand trenching. Therefore, the extent of the mineralized quartz veins and their average density has not yet been determined. They seem to be most abundant in metasedimentary rocks directly adjacent to the monzogranite stock.

Feldspar rich pegmatite dykes and sills occur with the quartz veins in some parts of Area A. Most of these intrusions are less than 50 cm thick and contain only feldspar. However, some dykes contain up to 40% purple fluorite while scattered pegmatitic float immediately north of the hand trenches contains up to 50% beryl.

**Area B** is located on a largely till and talus covered cirque floor. Blue beryl, wolframite, scheelite, bismuthinite and molybdenite occur in up to 10 cm thick quartz vein fragments that were found in till and a series of scattered subcrops within a 150 m long zone that trends northerly across the border. The veins are hosted by hornfelsed metasedimentary rocks immediately east of a diorite intrusion. Samples collected on the Yukon side of the border assayed up to 1.47% BeO, 4.60% WO<sub>3</sub>, 0.23% bismuth and 0.91% MoS<sub>2</sub>.

**Area C** also straddles the border. It consists of mineralized talus derived from a series of quartz veins cutting diorite. Only one vein outcrop was observed and it strikes 040° and dips 60° west. Quartz boulders in this zone range up to 30 cm in diameter. Most contain bismuthinite and many contain minor milky white, pale blue or pale green beryl. A soil sample of gossanous talus fines collected immediately north of the border returned 1260 ppm bismuth, 13.4 ppm silver, 515 ppm molybdenum, 340 ppm beryllium and 2370 ppm tungsten. The actual beryllium and tungsten values are probably higher because the sample was analyzed by the ICP technique which only partially dissolves scheelite and beryl.

In September 2001, a portion of Area C was briefly prospected. A number of subparallel recessive linears were identified over a width of 300 m. Unfortunately these structures are

largely obscured and filled by talus on south facing slopes and are exposed on near inaccessible cliffs on north facing cirque walls. Six rock samples were collected from boulders projecting out of the snow. The samples are described in Appendix II while Certificates of Analysis appear in Appendix III. They were sent to ALS Chemex Labs Ltd. in North Vancouver where they were analyzed by a variety of techniques to determine which was most effective for scheelite bearing specimens. Three of the samples containing a few hair-like quartz veinlets yielded low tungsten and molybdenum values (less than 40 and 9 ppm, respectively) and slightly enhanced gold, silver and bismuth values (up to 115 ppb, 6.2 ppm and 13 ppm, respectively). The other three samples contained 3 to 12 mm wide quartz veinlets with varying amounts of scheelite. They returned 783 to 12,683 ppm tungsten, 75 to 878 ppm molybdenum, 16 to 4700 ppb gold, 7.9 to 30.4 ppm silver and 963 to 2190 ppm bismuth. Compared to soil geochemical results in the area, the rock results are higher than expected for all metals except tungsten.

**Area D** is in the southwest corner of the B.C. claim and consists of three mineralized locales. The largest showing is composed of wolframite and scheelite rich quartz talus derived from a 20 cm thick vein which is exposed in a 3 by 1.5 m outcrop. The vein strikes 040° and dips 55° to the southwest. A specimen from the outcrop assayed 4.30% WO<sub>3</sub>. Similar material was collected from a second talus train about 105 m along strike to the northeast. A specimen from this locale returned 4.40% WO<sub>3</sub>. The third mineralized locale is an 8 cm wide vein that outcrops along a ridge crest. This vein strikes 160° and dips vertically, approximately perpendicular to the main vein trend. It consists of white quartz with minor green fluorite, white to pale green beryl and scheelite. A specimen from this vein assayed 4.60% WO<sub>3</sub>.

Outcropping skarn tungsten showings were reported by early workers (Bell, 1976 and Bacon, 1977) but there are no maps showing their exact locations. Based on topographic descriptions the Yukon (North) Showing lies in the northwest part of the deposit and extends further to the west, while the B.C. (Main) Showing is located about 1 km south of the deposit.

The North Showing was described by Bell as follows: "A small hill rising 30' vertically from the base of a major N-S trending ridge contains scattered scheelite mineralization. The rocks are light coloured cherty skarns which dip off to the west and appear to correlate with mineralized skarn showings along several creek beds. As such, the mineralized area extends at least 1000' downdip from the main showing. This area could be very easily open pit mined if the grade were high enough. A chip sample across a 25' thick true thickness of skarn assayed .25% WO<sub>3</sub> from this showing."

Similarly, Bell describes the B.C. (Main) Showing as follows: "On the north flank of an east-west trending ridge, low grade scheelite mineralization is found in a skarn zone flanked to the west by diorite, to the east by granite porphyry, and capped by argillite.

The skarns strike east-west and dip at 35° to the north so that the bedding is approximately parallel with the topography. There appears to be a possibility, interpreted from float distribution, that garnet diopside skarn containing better tungsten values, occurs towards the base of the ridge. A stratigraphic thickness of 200' of mineralized skarn with a strike length of 800'

and an updip extent of 300'-400' is indicated from the surface exposures. Grab samples collected during the night lamping gave assays of 1.26; .58; and .3%  $WO_3$ ; however, the overall grade is much lower. A 30' chip sample across an outcrop of skarn gave an assay of .06%  $WO_3$ . In order to estimate the overall grade of this skarn zone, I collected chip samples of skarn float along four lines spaced 100' apart at the base of the north slope with each sample taken over a 50' length. It was hoped that sampling of the rubble at the base of the zone would give a value for the overall grade. The four samples collected gave assays of .08; .04; .16; and .08%  $WO_3$  for an average value of only .09%  $WO_3$ ."

### DISCUSSION AND CONCLUSIONS


Although the 1983 prefeasibility study by Canamax was negative for the established bulk tonnage resource, no attempt was made to re-evaluate their conclusions or to evaluate potential for a smaller tonnage of higher grade material that could be selectively mined by open pit or underground methods. Furthermore, previous exploration did not test tungsten-in-soil geochemical results that outlined an excellent target southwest of the deposit. Canamax's reasons for ignoring this target are not stated but likely include: relative weakness of molybdenum response, distance from the felsic dyke complex, somewhat difficult drill access and, most importantly, proximity of the B.C.-Yukon border. At the time of Canamax's prefeasibility study, the B.C. Government was perceived to have an anti-mining bias and great care was taken in preparation of the study to confine all proposed development to Yukon.

The prime objective of future exploration on the Northern Dancer property should be to define greater than 10,000,000 tonnes of low strip ratio, open pitable mineralization grading at least 0.5%  $WO_3$  within or adjacent to the existing deposit. Potential by-products could include molybdenum, beryllium, bismuth, gold and silver. Exploration of the geochemical anomaly is expected to contribute to this objective but should also outline additional low grade mineralization that would significantly enlarge the porphyry deposit and dramatically decrease its strip ratio.

The next phase of exploration should consist of short diamond drill holes and excavator trenches targeting areas within a high density of sheeted veins or where well mineralized skarn horizons project to surface. If areas grading better than 1%  $WO_3$  are identified, somewhat deeper follow up drilling should be done to determine whether or not there is potential for selective underground mining.

Respectfully submitted,

Archer, Cathro & Associates (1981) Limited

  
W. Douglas Eaton, B.Sc. Geology

REFERENCES

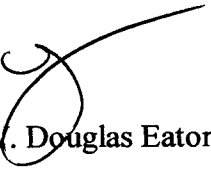
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**APPENDIX I**  
**AUTHOR'S STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work and data compilation reported herein and have interpreted all data resulting from this work.



W. Douglas Eaton, B.Sc. Geology

**APPENDIX II**  
**SAMPLE DESCRIPTIONS**

## Rock Sample Descriptions

Project: STRATEGIC/DI Property: LOGTUNG

Page 1 of 1

Sample Number:	Grid North:	N	Grid East:	E	Type: SPECIMEN	Dimension:	_____	_____	_____	_____	Ag
	UTM:	N	UTM:	E	Sample Width:	Abundance: VERY					
	Elevation:	m					_____	_____	_____	_____	
N34847							39	3	115	21	1.1
Comments:	Fine grained diorite with hairline to 1mm wide quartz veinlets in 3 directions - approximately 6 veinlets in 3X3X12cm specimen. Exterior of diorite rusty. Only traces of scheelite in veinlets.										
Sample Number:	Grid North:	N	Grid East:	E	Type: SPECIMEN	Dimension:	_____	_____	_____	_____	
	UTM:	N	UTM:	E	Sample Width:	Abundance: VERY					
	Elevation:	m					_____	_____	_____	_____	
N34848							4	5	14	12	2.2
Comments:	Fine grained diorite a few fractures with chlorite. Rock rusty on exterior and along some fractures. One hairline quartz veinlet with traces of scheelite.										
Sample Number:	Grid North:	N	Grid East:	E	Type: SPECIMEN	Dimension:	_____	_____	_____	_____	
	UTM:	N	UTM:	E	Sample Width:	Abundance: COMMON					
	Elevation:	m					_____	_____	_____	_____	
N34849							13	8	48	13	6.3
Comments:	Fine grained diorite with 5mm quartz vein. Minor scheelite on hairline fractures and hairlike quartz veinlets but not in vein. Rock very rusty on fractures.										
Sample Number:	Grid North:	N	Grid East:	E	Type: SPECIMEN	Dimension:	_____	_____	_____	_____	
	UTM:	N	UTM:	E	Sample Width:	Abundance: COMMON					
	Elevation:	m					_____	_____	_____	_____	
N34850							12602	138	16	1040	17.5
Comments:	Fine grained diorite with 12mm wide quartz vein. Vein approximately 1/3 of sample by volume. Specimen taken from 30cm wide boulder with parallel vein about same size every 10cm. Vein contains scheelite as fine dissemination up to 3X2X2mm crystals. Limonite filled pits about 5% of rock - a few blebs of pyrite and blades of bismuthinite and wolframite.										
Sample Number:	Grid North:	N	Grid East:	E	Type: SPECIMEN	Dimension:	_____	_____	_____	_____	
	UTM:	N	UTM:	E	Sample Width:	Abundance: LOCALIZED					
	Elevation:	m					_____	_____	_____	_____	
N34851							788	75	4700	2190	30.4
Comments:	Quartz vein - 2.5cm wide. Drusy bands with 1mm quartz crystals. Some pale brown to yellow limonite in pits and along drusy bands. Abundant scheelite as fine disseminations and blebs to 1mm.										
Sample Number:	Grid North:	N	Grid East:	E	Type: SPECIMEN	Dimension:	_____	_____	_____	_____	
	UTM:	N	UTM:	E	Sample Width:	Abundance: LOCALIZED?					
	Elevation:	m					_____	_____	_____	_____	
N34671							783	878	115	463	7.9
Comments:	Beryl vein? - 3cm wide. Nearly massive tan to pale grey beryl crystals and masses. Weakly limonite stained exterior with nearly massive limonite in interstitial cavities up to 7mm across. Numerous small patches and blebs of scheelite and possibly one 1mm crystal of wolframite.										

**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**

AURORA LABORATORY SERVICES LTD.

212 Brooksbank Avenue North Vancouver BC Canada V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 Website: www.alschemex.com

**FAX**

ATTENTION Douglas Eaton

FAX NO (604) 688-2578

COMPANY Archer Cathro &amp; Associates

DATE March 18, 2002

CC

NO OF PAGES 1 INCL COVER

FROM Michele Ramshaw

SUBJECT W analysis using Special Acid Digestion

Dear Mr. Eaton,

As mentioned in my fax message of March 15, 2002 we have analyzed samples from certificate VA02000425 using a special acid digestion designed for high grade tungsten. The results are shown below and confirm the results obtained by our Pressed Pellet/XRF method. I will have these results added to VA02000425 which will be updated on your Web account and new hard copy sent.

	W ppm				
	Original 4-Acid/MS	Re-Run 4-Acid/MS	Fusion/ MS	Pressed Pellet/XRF	Special Digestion
N34847	39.2	39.7	19.8	39	<100
N34851	170	190.2	497.5	788	700
N34849	14.6	19.8	26.6	13	<100
N34848	10.1	11.5	10.1	4	<100
N34850	240	458.7	7123.9	12682	11600
N34671	200	234.9	954.1	783	900

Again, thank you for your patience while we have been looking into this matter. If you have any questions please feel free to contact Keith Rogers (Executive Manager Central Laboratory) or me.

Regards,

Michele Ramshaw

This facsimile message contains privileged and confidential information intended only for the use of the addressee. If you are not the addressee, you are hereby notified that you must not disseminate, copy or take action in respect of its contents. If you have received the facsimile in error please notify ALS immediately and return it to the above fax.

A Campbell Brothers Limited Company

April 3, 2002

Archer, Cathro and Associates (1981) Limited  
1016 – 510 W. Hastings Street  
Vancouver, B.C.  
V6B – 1L8

ATTENTION: Doug Eaton

Dear Mr. Eaton,

RE: Certificate of Analysis VA02000425  
Additional W Data – Samples N34847 through N34671 and  
Corrected Copy for Sample Description – Sample N34671

Certificate of Analysis VA02000426  
Corrected Copy for Hg – All Samples

Please find enclosed revised copies of Certificates of Analysis VA02000425 and VA02000426 which contain the following:

- VA02000425 – Additional data for tungsten. As mentioned in my fax message we re-analyzed samples N34847 through N34671 using several different methods in order to determine the best method for analyzing the high tungsten samples in this set. The results from the pressed pellet/XRF method have been included in the enclosed certificate. Results from the various methods indicate that the pressed pellet/XRF or proprietary "super acid" digestion/ICP methods are best suited for this type of sample.

In addition a correction has been made to the sample description for sample N34671, which was originally incorrectly entered into our system as N34761.

- VA02000426 – Corrected Copy for mercury. All Hg results on this certificate have been corrected. As explained previously, at the data approval stage, the incorrect set of results were chosen to be reported originally.

On behalf of ALS Chemex please allow me to apologize for any inconvenience this may have caused. If you have any questions please feel free to contact me.

Yours sincerely



Michele Ramshaw  
Quality Assurance Chemist



**ALS Chemex**  
**EXCELLENCE IN ANALYTICAL CHEMISTRY**  
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 212 Brooksbank Avenue  
 North Vancouver BC V7J 2C1 Canada  
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 C/O ARCHER, CATHRO AND ASSOCIATES (1981)  
 LIMITED  
 1016 - 510 W. HASTINGS ST.  
 VANCOUVER BC V6B 1L8  
 Project : LOGTUNG

Page # : 2 - A  
 Total # of pages : 2 (A - D)  
 Date : 3-Apr-2002  
 Account: MTT

**CERTIFICATE OF ANALYSIS VA02000425**

Sample Description	Method Analyte Units LOR	WEI-21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Recvd Wt kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.02	0.01	0.2	0.5	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
N34847		0.74	1.18	6.94	47.9	1080	7.35	0.59	4.04	0.53	23.7	30.3	243	46.1	40.0	4.98
N34851		0.48	30.4	0.82	10.6	300	0.99	2190	0.23	0.32	2.00	1.4	211	3.34	74.5	0.91
N34849		0.40	6.32	7.07	2.4	780	3.56	12.55	4.46	0.17	25.3	25.2	135	9.11	68.2	5.15
N34848		0.24	2.20	7.25	1.4	720	2.24	11.95	4.76	0.23	26.6	23.3	211	14.80	65.2	5.20
N34850		0.36	17.55	5.55	2.6	610	45.0	1040	2.52	1.68	24.9	16.9	222	122.0	207	4.04
N34671		0.42	7.91	7.35	12.1	3240	434	963	1.85	1.89	4.02	2.0	27	74.8	70.7	0.77
N34799		0.70	2.75	9.19	6.5	1510	3.03	3.74	1.54	0.04	28.2	50.5	58	4.31	14.8	9.04

Comments: \*\* Additional Data for W on Samples N34847 through N34671 and Corrected Copy for Sample Description on Sample N34671. \*\*



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 Total # of : 2 (A - D)  
 Date : 3-Apr-2002  
 Account: MTT

**CERTIFICATE OF ANALYSIS VA02000425**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P ppm	Pb ppm
		0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10	0.5
N34847		16.65	0.22	8.2	0.064	3.70	12.2	165.5	3.36	1200	3.18	1.89	11.6	131.0	1230	11.9
N34851		1.78	0.23	<0.1	0.132	0.76	1.0	5.8	0.06	46	75.6	0.08	<0.1	6.0	90	221
N34849		18.10	0.27	2.1	0.074	2.69	12.8	56.0	3.08	1050	8.41	1.92	9.9	47.2	1200	12.9
N34848		17.35	0.26	1.9	0.111	2.67	13.4	64.8	4.14	1170	5.41	2.00	11.6	70.1	1280	13.3
N34850		16.45	0.22	<0.1	0.212	2.72	11.9	279	2.58	1325	138.0	1.09	0.8	54.9	670	452
N34671		16.65	0.23	0.2	0.094	8.34	2.1	24.8	0.16	123	878	0.77	1.6	13.5	120	328
N34799		19.50	0.44	4.0	0.030	5.72	12.1	33.4	2.17	867	9.60	2.59	8.0	65.8	610	6.0

Comments: \*\* Additional Data for W on Samples N34847 through N34671 and Corrected Copy for Sample Description on Sample N34671. \*\*



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Page # : 2 - C  
 as : 2 (A - D)  
 Date : 3-Apr-2002  
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**CERTIFICATE OF ANALYSIS VA02000425**

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
		Rb ppm 0.1	Re ppm 0.002	S % 0.01	Sb ppm 0.05	Se ppm 1	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.05	Te ppm 0.05	Th ppm 0.2	Tl % 0.01	Tl ppm 0.02	U ppm 0.1	V ppm 1	W ppm 0.1
N34847		252	0.004	0.09	2.35	2	5.4	412	0.57	0.17	15.7	0.36	3.30	1.5	160	39.2
N34851		94.2	0.003	0.17	2.78	12	2.6	31.3	<0.05	78.5	<0.2	0.02	1.30	0.7	10	170.0
N34849		237	0.004	0.16	0.50	4	6.6	358	0.41	1.52	8.0	0.39	2.20	1.2	172	14.6
N34848		245	0.003	0.14	0.44	4	7.4	337	0.50	0.61	8.4	0.42	2.70	1.3	184	10.1
N34850		>500	0.005	0.33	3.54	5	20.4	196.0	<0.05	2.19	4.0	0.22	6.00	2.1	88	240
N34671		>500	0.009	0.05	14.20	10	6.4	281	<0.05	9.49	3.2	0.02	16.60	8.9	13	200.0
N34799		97.8	0.004	<0.01	0.23	3	4.0	68.0	0.22	0.47	10.8	0.81	0.70	31.9	283	3.1

Comments: \*\* Additional Data for W on Samples N34847 through N34671 and Corrected Copy for Sample Description on Sample N34671. \*\*



# ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

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Total # of

Page # : 2 - D

as : 2 (A - D)

Date : 3-Apr-2002

Account: MTT

## CERTIFICATE OF ANALYSIS

VA02000425

Sample Description	Method Analyte Units LOR	ME-MS61	ME-MS61	ME-MS61	ME-XRF05
		Y	Zn	Zr	W
		ppm 0.1	ppm 2	ppm 0.5	ppm
N34847		17.5	95	34.2	39
N34851		1.7	7	<0.5	788
N34849		21.3	71	19.7	13
N34848		20.7	92	27.2	4
N34850		17.9	85	6.9	12682
N34671		3.9	20	5.3	783
N34799		46.9	169	37.1	

Comments: \*\* Additional Data for W on Samples N34847 through N34671 and Corrected Copy for Sample Description on Sample N34671. \*\*



# ALS Chemex

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

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Project : LOGTUNG  
 Comments: ATTN: DOUG EATON

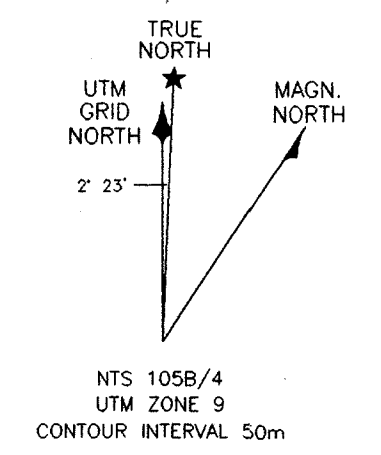
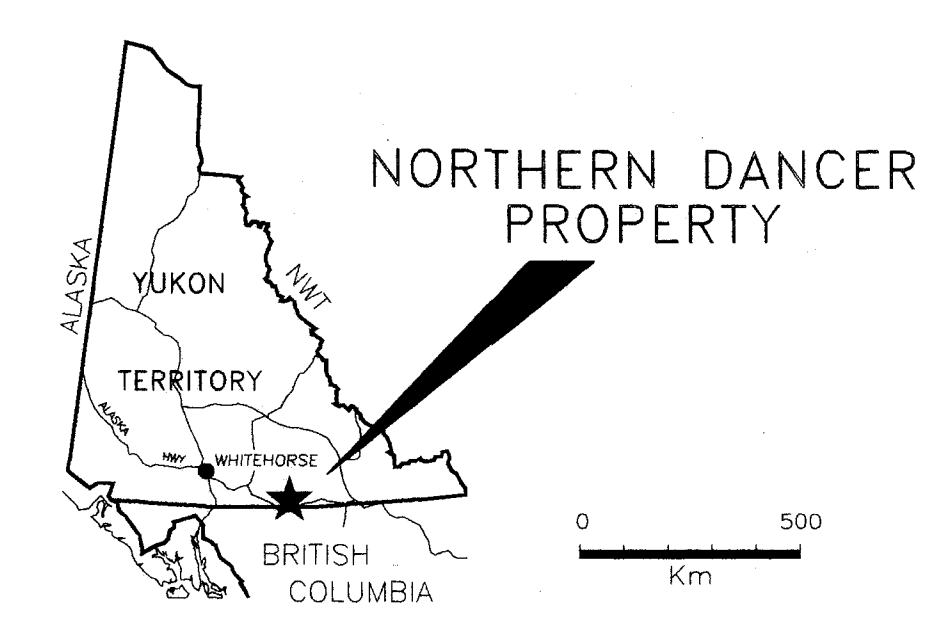
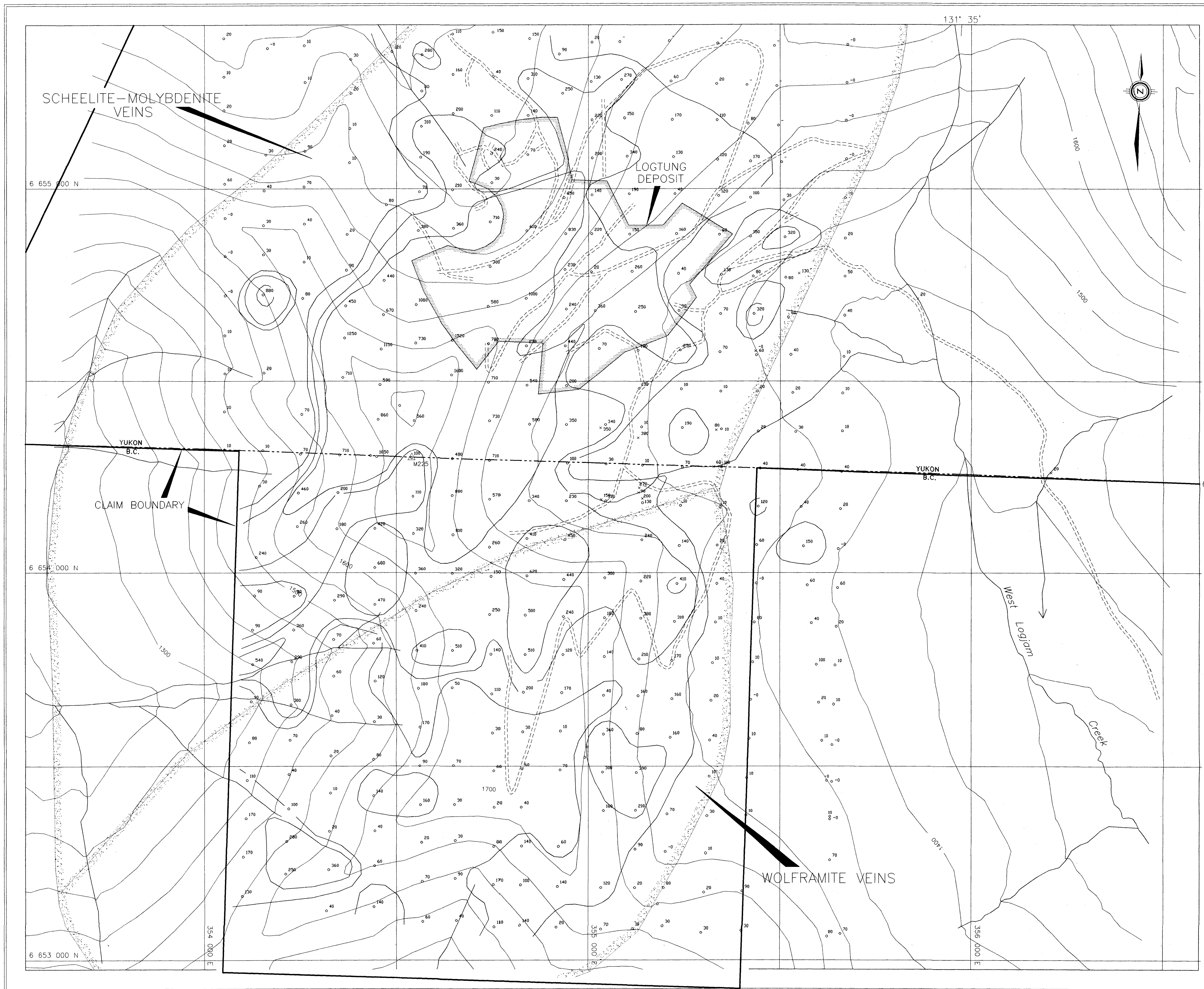
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 Account : MTT

## CERTIFICATE OF ANALYSIS A0212288

SAMPLE	PREP CODE	Au ppb ICP-MS	Ce ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ho ppm	La ppm	Lu ppm	Nd ppm	Pr ppm	Sm ppm	Tb ppm	Th ppm	Tm ppm	U ppm	Y ppm	Yb ppm
N34847	244 --	115	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N34848	244 --	14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N34849	244 --	48	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N34850	244 --	16	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N34851	244 --	4700	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N34671	244 --	115	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
N34799	244 297	70	18.8	7.5	4.4	2.7	5.9	1.3	9.7	0.5	15.2	3.1	5.2	1.0	3	0.5	15.6	30.6	3.4

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 WHITEHORSE, YUKON Y1A 2C6

CERTIFICATION: *Spia Wanki* +

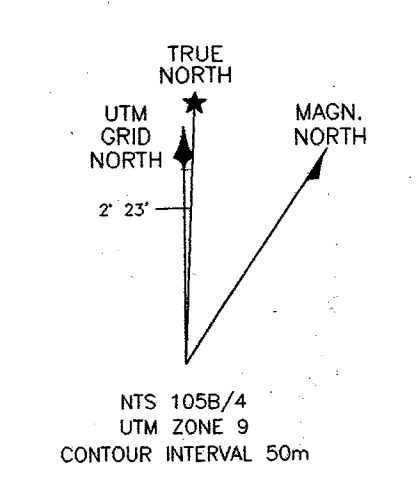
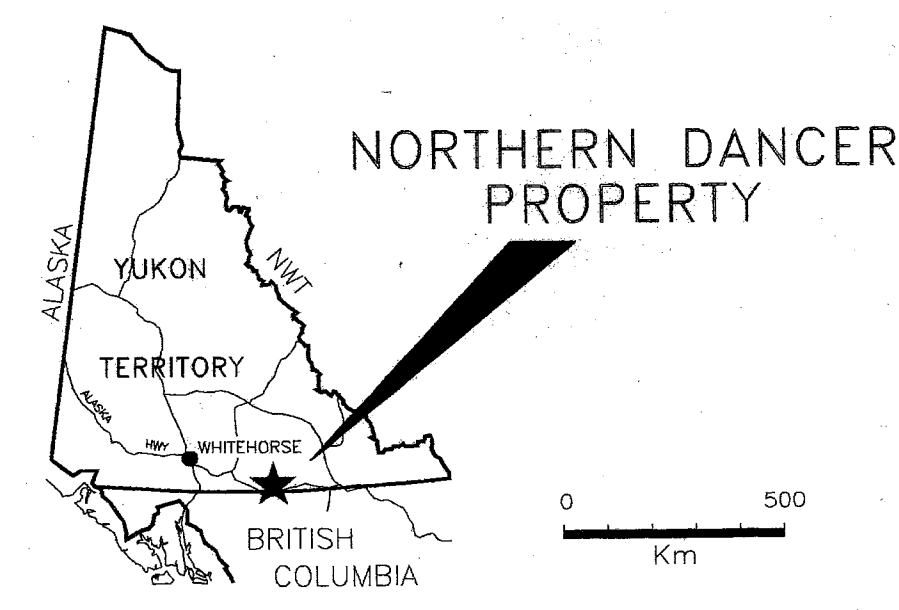
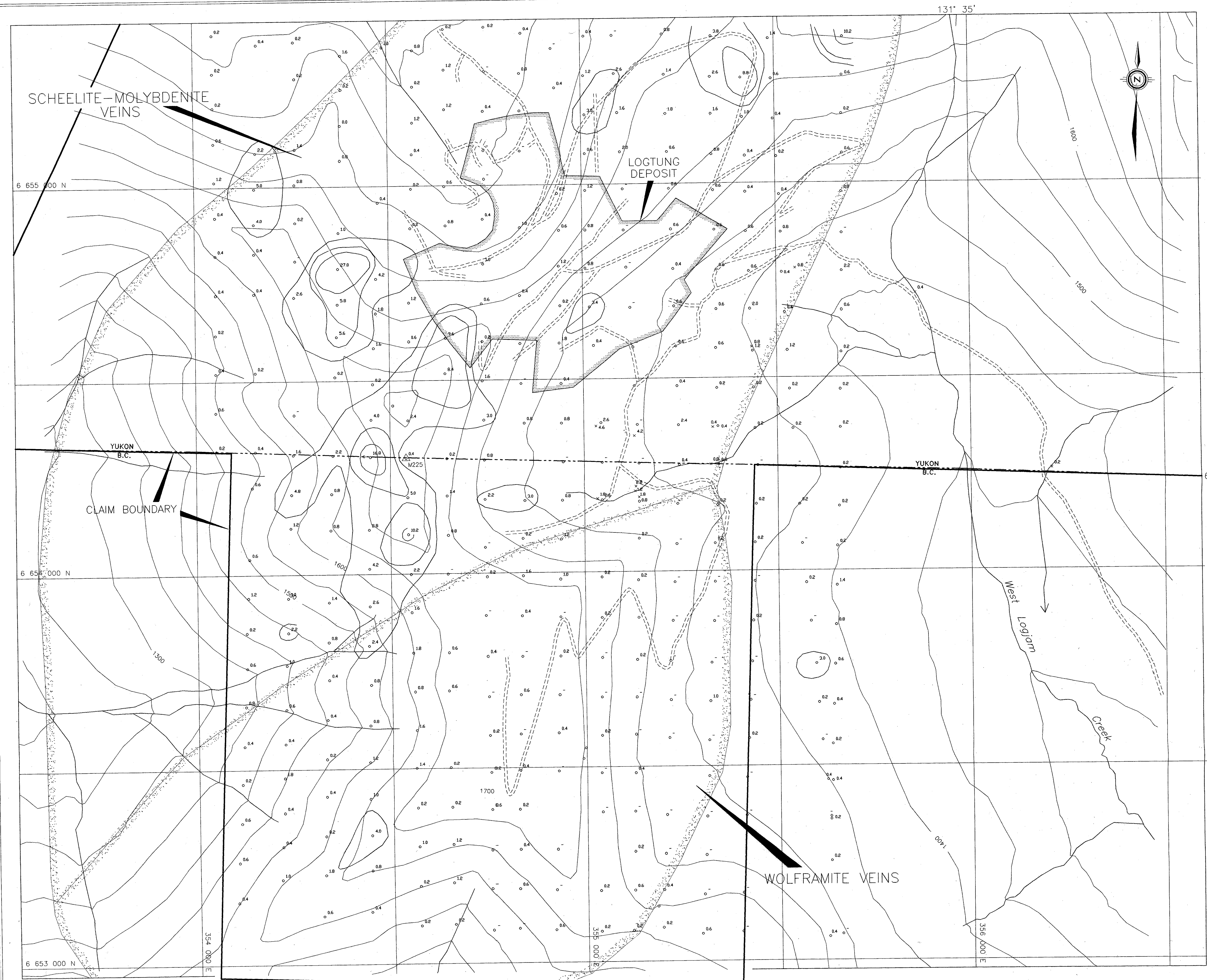


- Road
- Claim boundary
- <sup>570</sup> Soil sample site with tungsten value in ppm
- ×<sup>80</sup> Stream sediment sample site with tungsten value in ppm

- ≥400 ppm tungsten
- ≥200 <400 ppm tungsten
- ≥100 <200 ppm tungsten

note: ICP analyses using partial digestion

STRATEGIC METALS LTD.	
FIGURE 5 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
094303	
<b>TUNGSTEN GEOCHEMISTRY</b>	
NORTHERN DANCER PROPERTY	
SCALE 1:5000	
DRAWN/REVISED BY: AG	PROJECT:
FILE: AC/STRATEGIC METALS LTD/ NORTHERN DANCER/W-5K.DWG	DATE: MARCH, 2002



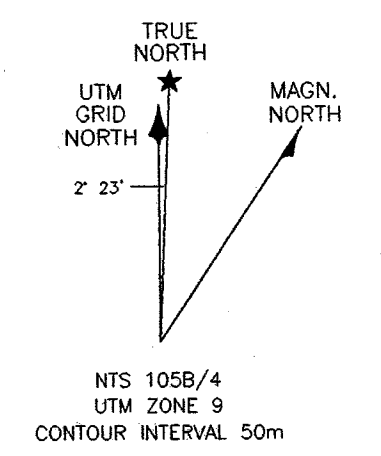
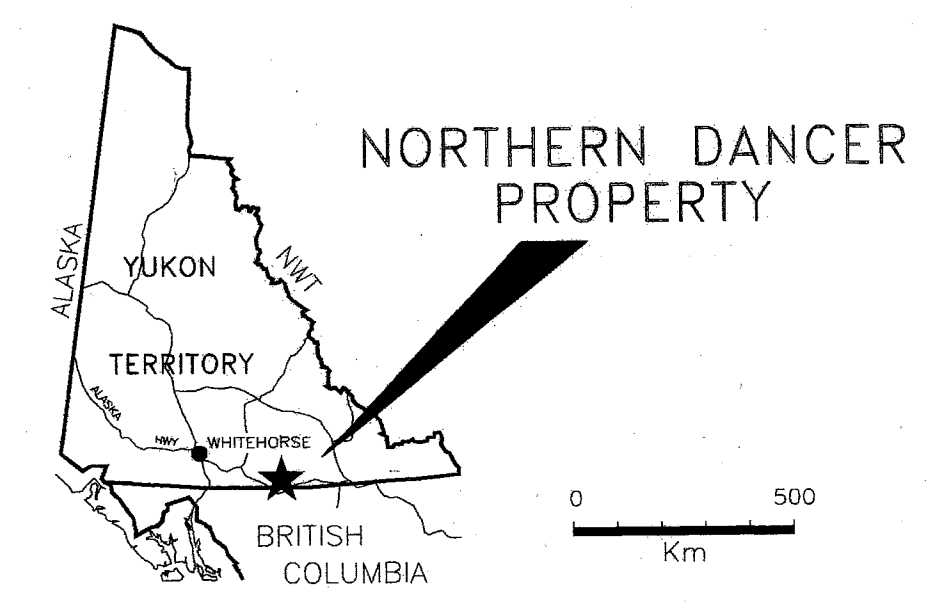
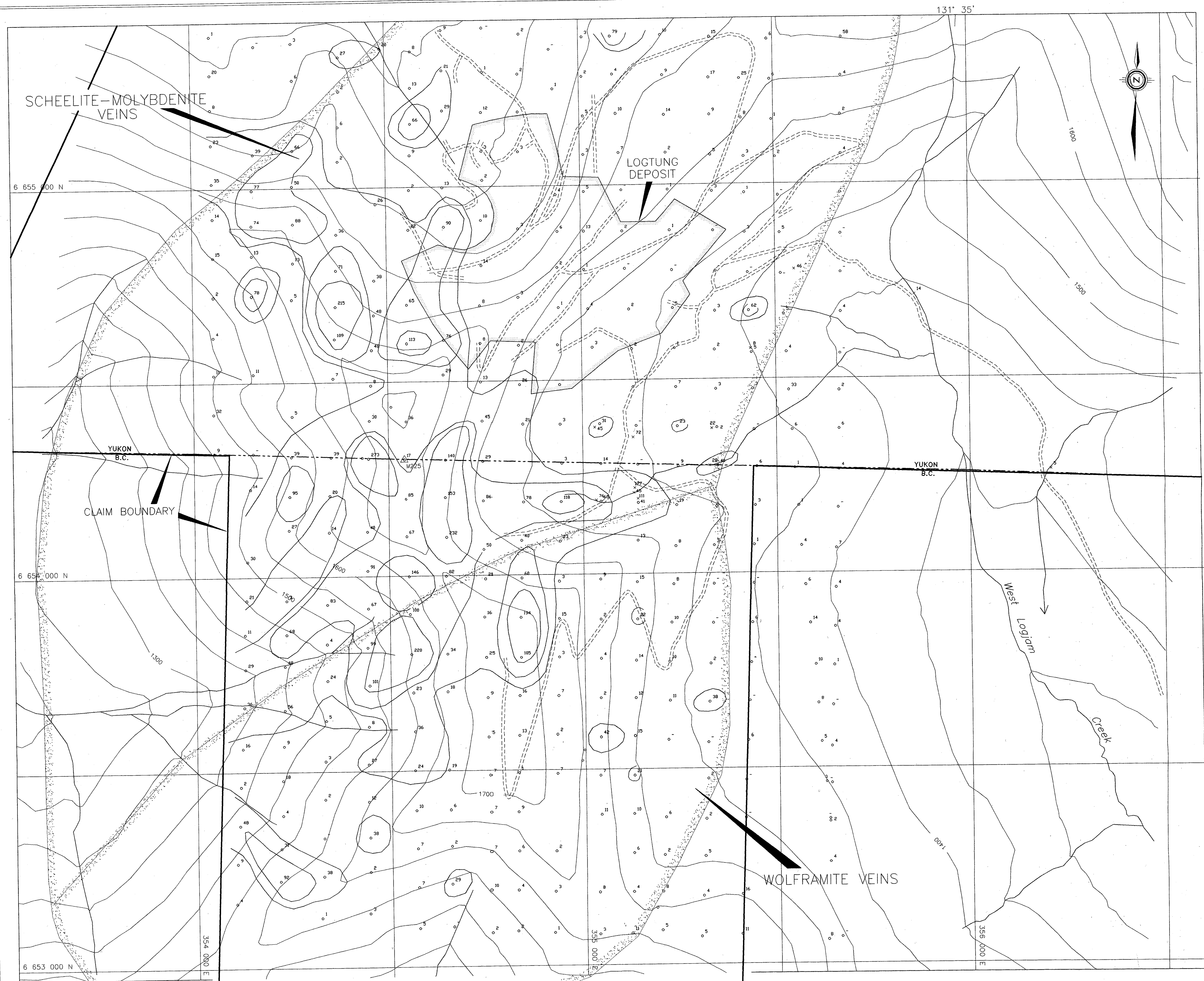
- Road
- Claim boundary
- <sup>0.4</sup> Soil sample site with silver value in ppm
- ×<sup>0.8</sup> Stream sediment sample site with silver value in ppm
- ≥10 ppm silver
- ≥5 <10 ppm silver
- ≥2 <5 ppm silver

094303

STRATEGIC METALS LTD.  
 FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SILVER GEOCHEMISTRY**  
 NORTHERN DANCER PROPERTY

SCALE 1:5000  
 0 50 100 200 300 400 500 m

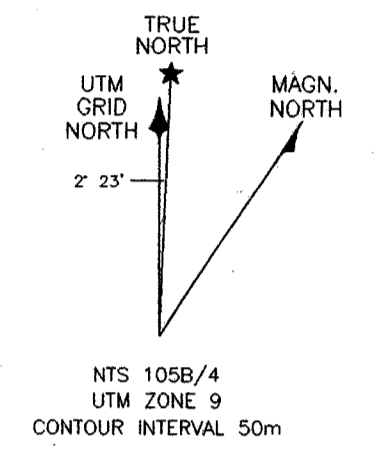
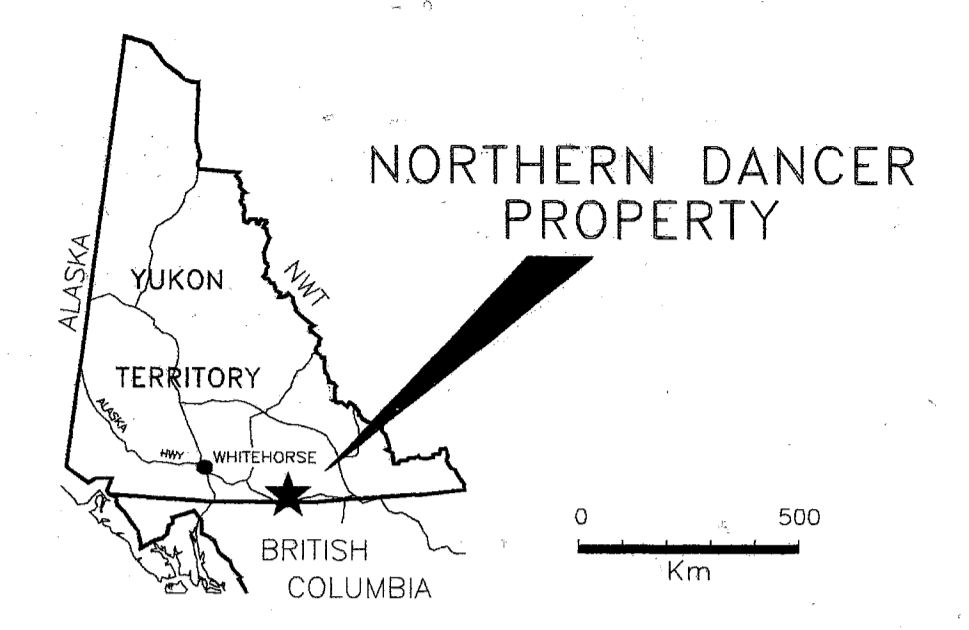
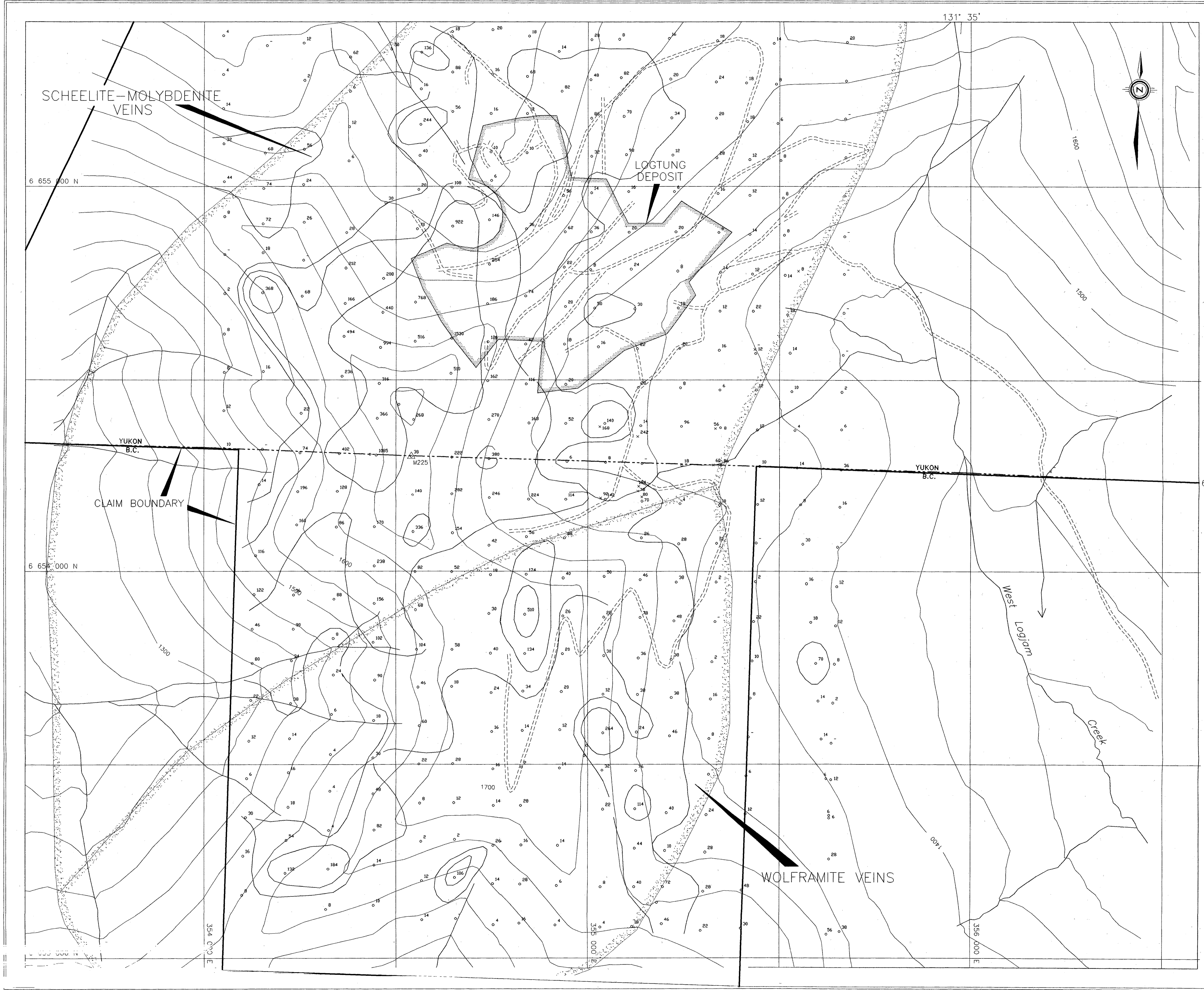
DRAWN/REVISED BY: AG	PROJECT:
FILE: AC/STRATEGIC METALS LTD/ NORTHERN DANCER/AG-SK.DWG	DATE: <b>WAMON ENERGY, MINES &amp; RESOURCES LIBRARY</b> P.O. BOX 2703 WHITEHORSE, YUKON Y1A 2G6



- Road
- Claim boundary
- <sup>21</sup> Soil sample site with gold value in ppb
- ×<sup>5</sup> Stream sediment sample site with gold value in ppb
- ≥100 ppb gold
- ≥50 <100 ppb gold
- ≥20 <50 ppb gold

STRATEGIC METALS LTD.	
FIGURE 9 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
GOLD GEOCHEMISTRY	
NORTHERN DANCER PROPERTY	
SCALE 1:5000	
DRAWN/REVISED BY: AG	PROJECT:
FILE: AC/STRATEGIC METALS LTD/ NORTHERN DANCER/NOR DAN-SK-CH.DWG	DATE: YUKON MARCH 2009 RESOURCES LIBRARY PO BOX 2703 WHITEHORSE, YUKON Y1A 2Z6

094303



- Road
- Claim boundary
- <sup>174</sup> Soil sample site with bismuth value in ppm
- ×<sup>60</sup> Stream sediment sample site with bismuth value in ppm
- ≥300 ppm bismuth
- ≥100 <300 ppm bismuth
- ≥30 <100 ppm bismuth

STRATEGIC METALS LTD.

FIGURE 8  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**BISMUTH GEOCHEMISTRY**

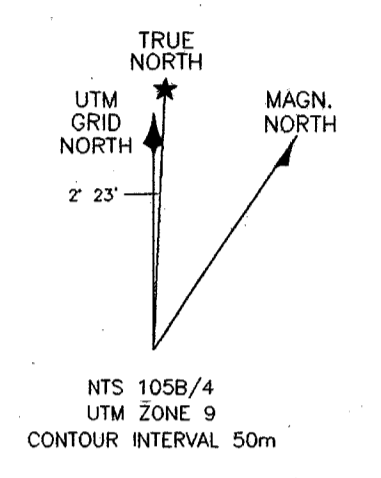
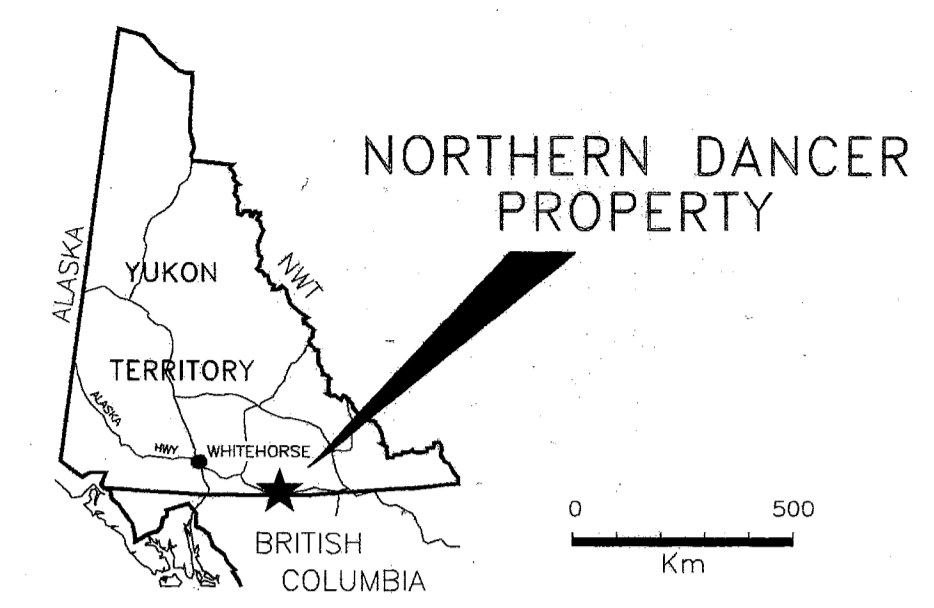
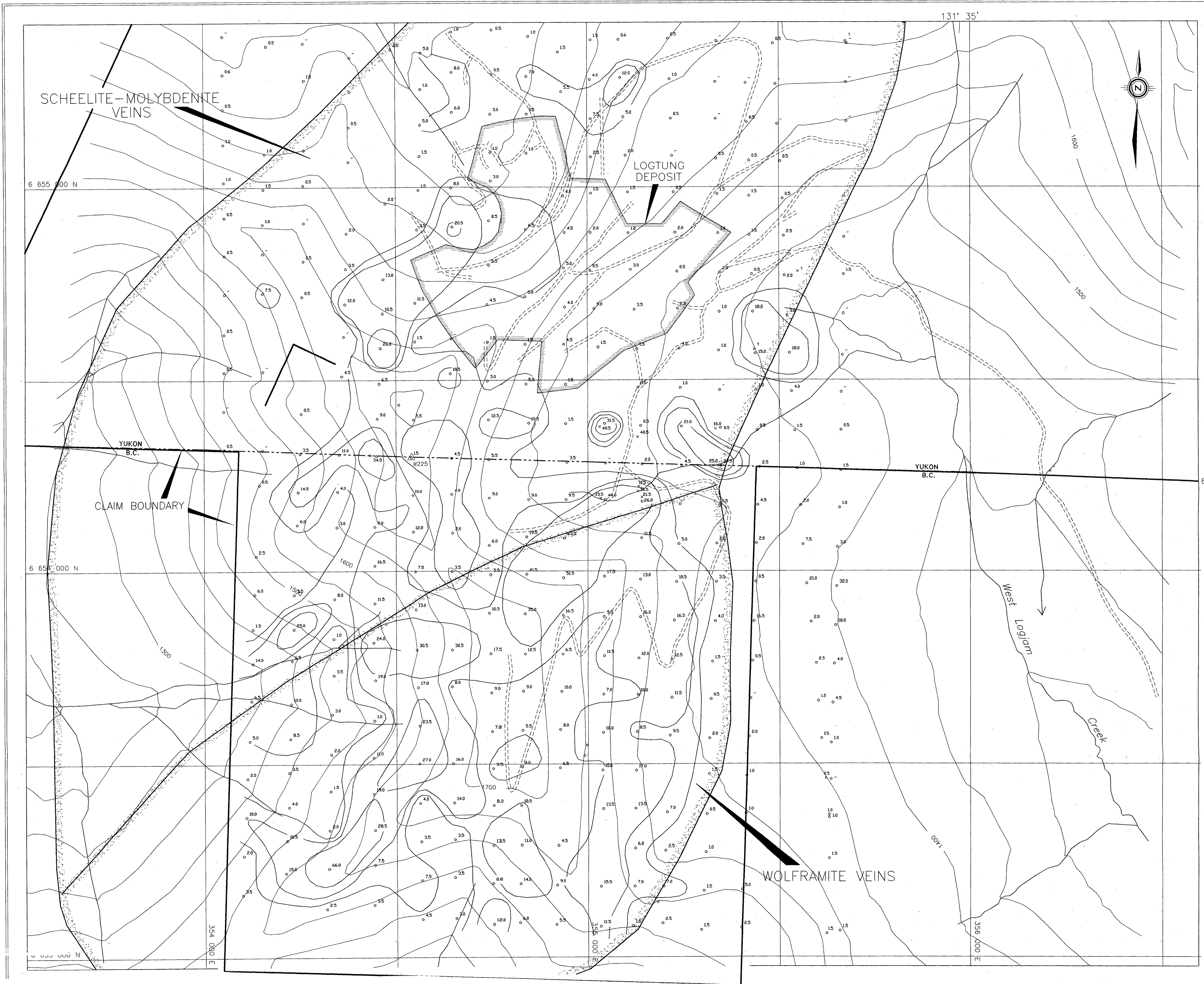
NORTHERN DANCER PROPERTY

SCALE 1:5000

0 50 100 200 300 400 500 m

DRAWN/REVISED BY: AG	PROJECT:
FILE: AC/STRATEGIC METALS LTD/ NORTHERN DANCER/BI-5K.DWG	DATE: MARCH, 2002

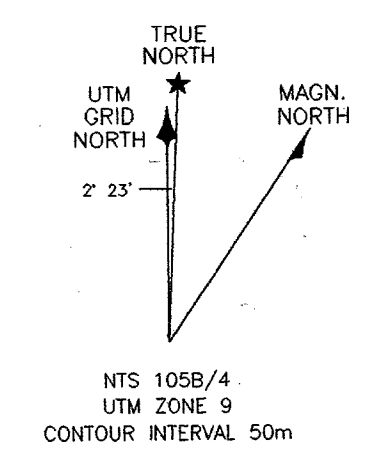
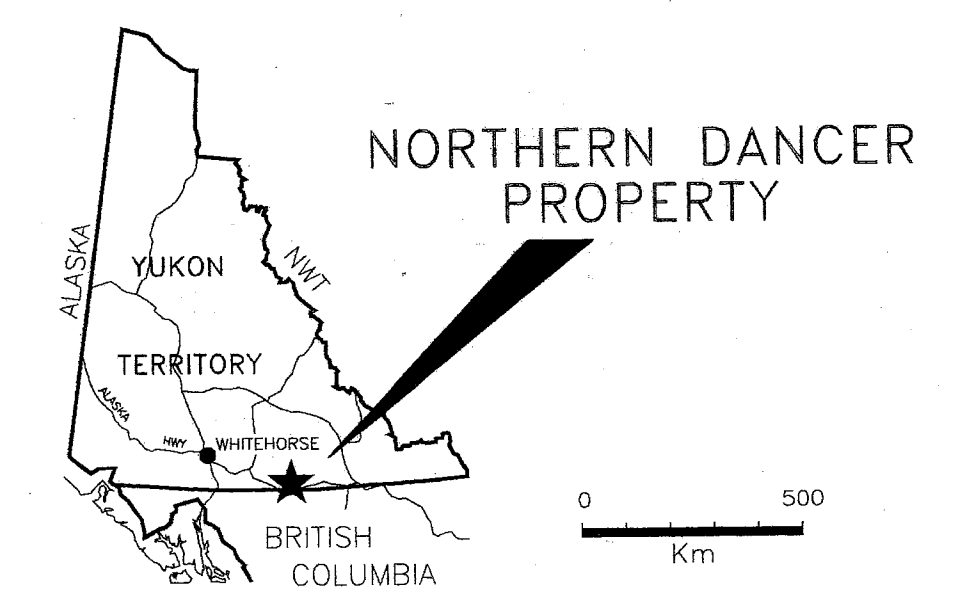
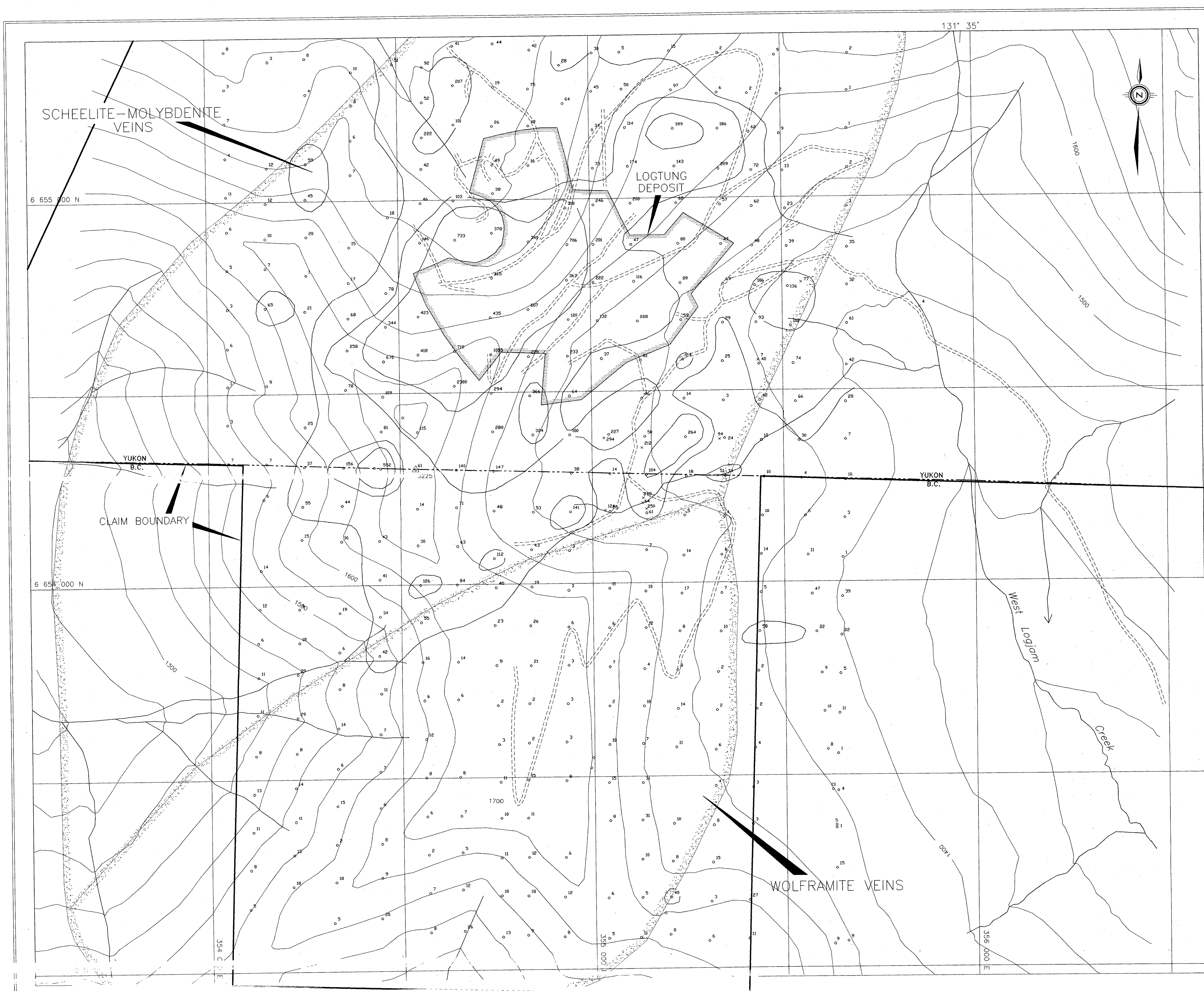
094303



- Road
- Claim boundary
- Soil sample site with beryllium value in ppm
- × Stream sediment sample site with beryllium value in ppm
- ≥20 ppm beryllium
- ≥10 <20 ppm beryllium
- ≥5 <10 ppm beryllium

note: ICP analyses using partial digestion

STRATEGIC METALS LTD.	
FIGURE 7 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
<div style="float: right; font-weight: bold; font-size: 1.2em;">094303</div> <b>BERYLLIUM GEOCHEMISTRY</b> NORTHERN DANCER PROPERTY	
SCALE 1:5000 0 50 100 200 300 400 500 m	
DRAWN/REVISED BY: AG	PROJECT:
FILE: AC/STRATEGIC METALS/NORTH DANCER/BE-SK.DWG	DATE: MARCH, 2002



- Road
- Claim boundary
- <sup>435</sup> Soil sample site with molybdenum value in ppm
- ×<sup>4</sup> Stream sediment sample site with molybdenum value in ppm
- <sup>1</sup> ≥300 ppm molybdenum
- <sup>2</sup> ≥100 <300 ppm molybdenum
- <sup>3</sup> ≥30 <100 ppm molybdenum

STRATEGIC METALS LTD.

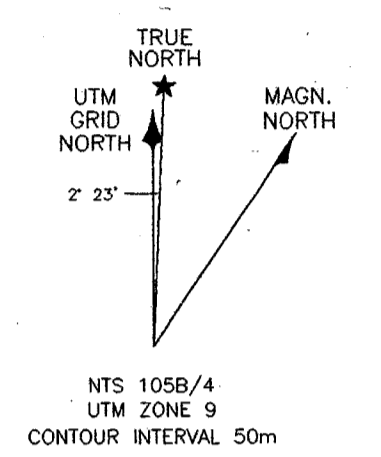
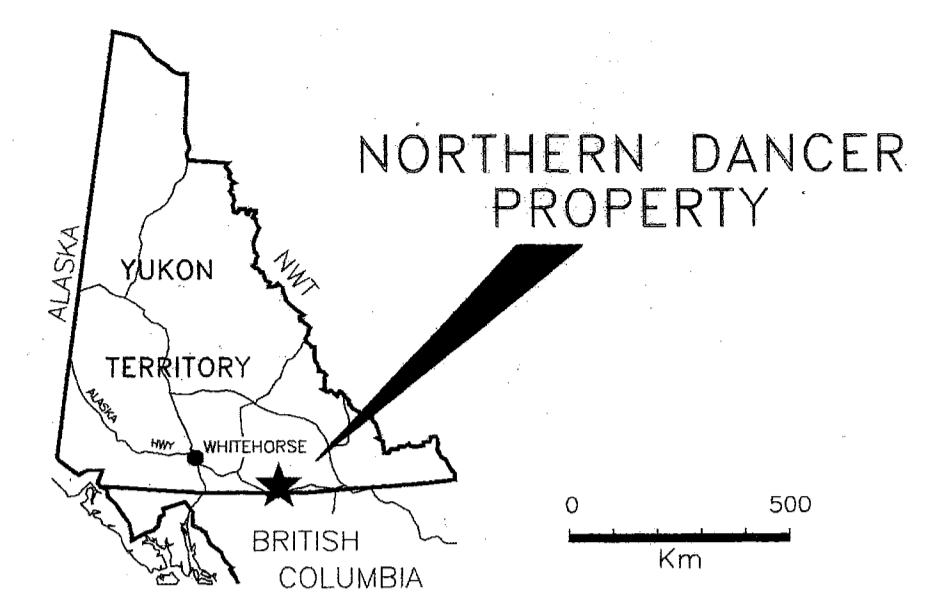
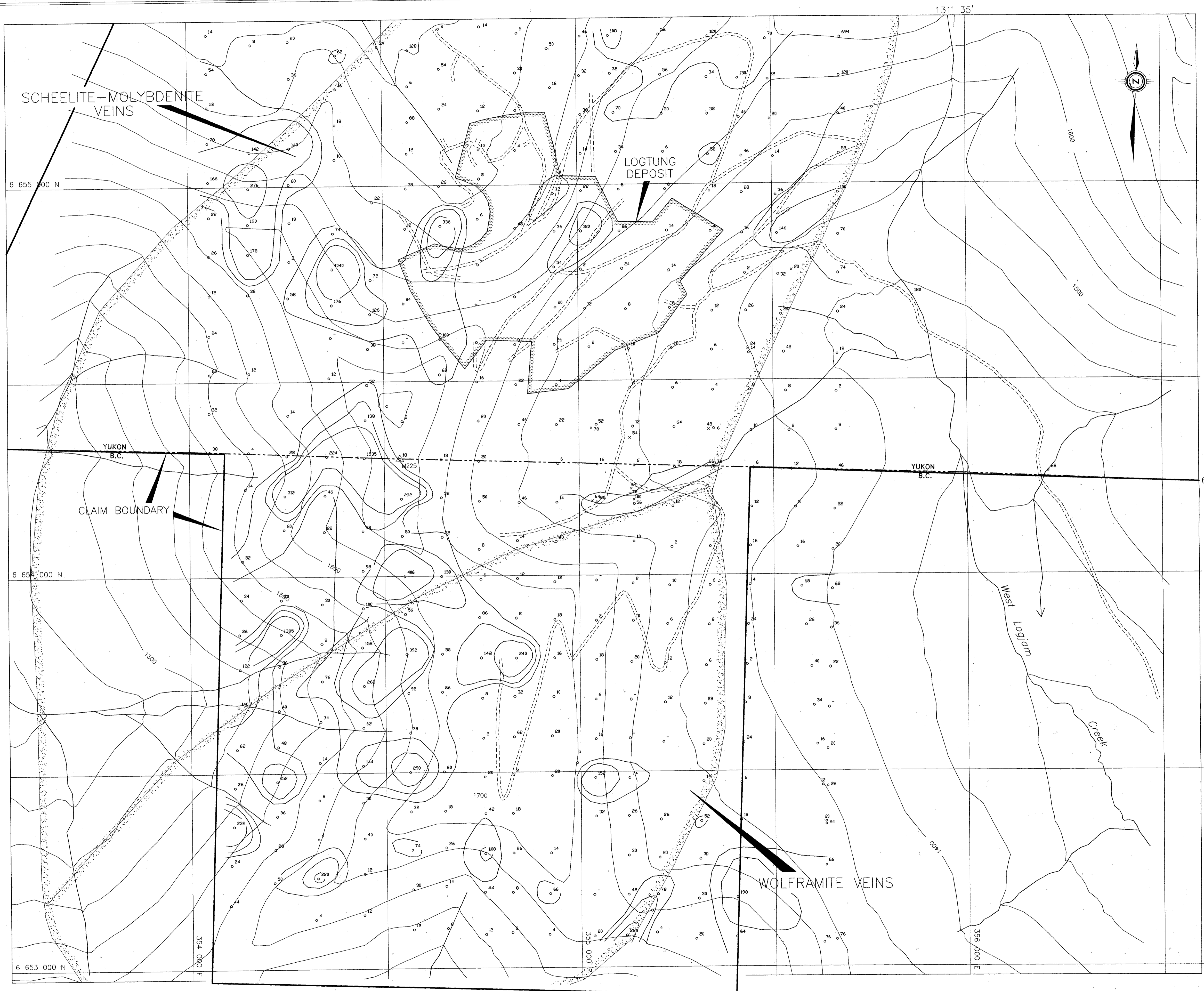
FIGURE 6  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**MOLYBDENUM GEOCHEMISTRY**  
NORTHERN DANCER PROPERTY

SCALE 1:5000  
0 50 100 200 300 400 500 m

DRAWN/REVISED BY: AG PROJECT: 094303

STRATEGIC METALS LTD./ NORTHERN DANCER/Mo-5K.DWG  
YUKON ENERGY MINES & RESOURCES LIBRARY  
P.O. BOX 2703  
WHITEHORSE, YUKON Y1A 2G6



- Road
- Claim boundary
- <sup>240</sup> Soil sample site with arsenic value in ppm
- ×<sup>68</sup> Stream sediment sample site with arsenic value in ppm
- ≥200 ppm arsenic
- ≥100 <200 ppm arsenic
- ≥50 <100 ppm arsenic

STRATEGIC METALS LTD.

FIGURE 11  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## ARSENIC GEOCHEMISTRY

NORTHERN DANCER PROPERTY

SCALE 1:5000

0 50 100 200 300 400 500 m

DRAWN/REVISED BY: AG PROJECT: 094303  
 FILE: AC/STRATEGIC METALS LTD/ NORTHERN DANCER/AS-SK.DWG DATE: MARCH, 2002

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
1016 - 510 West Hastings Street  
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

Fax: 604-688-2578

AFFIDAVIT



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

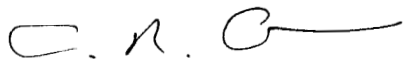
That to the best of my knowledge the attached Statement of Expenditures for exploration work on the DANSAR 1-23 mineral claims on Claim Sheet 105B/4 is accurate.

  
Joan Mariacher

Sworn before me at VANCOUVER, B.C.

this 18TH day of

MARCH, 2002



Notary, Yukon Territory

094303

Statement of Expenditures  
Dansar 1-23 Mineral Claims  
March 15, 2002

Labour

A. Archer – geologist – 6 hours June to December at \$66/hr	\$ 423.72
T. Becker – geologist – 5 hours May at \$50/hr	267.50
R. Carne – geologist – 4 hours September at \$60/hr	256.80
D. Eaton – geologist – 87 hours May to March 2002 at \$60/hr	5,585.40
B. Wengzynowski – geologist – 52 hours April to June at \$60/hr	3,338.40
A. Gelling – drafting – 16 hours March 2002 at \$30/hr	513.60
J. Mariacher – 16 ½ hours May to March 2002 at \$44.45/hr	784.76
M. Cooke – 26 ½ hours April to June at \$39.15/hr	<u>1,110.10</u>
	12,280.28

Expenses

Field room and board – 1 day at \$115/day	123.05
Truck & ATV rental plus fuel	214.01
ALS Chemex Labs	155.46
McElhanney – air photos	401.16
Printing and freight	<u>351.46</u>
	1,245.14
	<u><u>\$13,525.42</u></u>

\$13,525.42 ÷ 23 claims = \$588.06/claim

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project **NORDAC - FIELD ACCOUNT**  
 Date **APRIL 30, 2001**

LABOUR				
Field	A ARCHER - 18 HRS AT 66/HR		1188.00	
	R CARNE - 7 HRS AT 60/HR	REGIONAL	420.00	
	D. EATON - 32 HRS AT 60/HR	REGIONAL	1920.00	
	D. WENZYNOWSKI - 14 1/2 HRS AT 60/HR	REG-60 LOGTUNG-80	870.00	
Office	M. Cooke - 29 1/2 hrs at \$39.15/hr	BURWASH-78.30 REG-78.30 LOGTUNG-293.63	1154.93	
Accounting and Expediting	J. Mariacher - 34 hrs at \$44.45/hr		1511.30	7064.23
<b>OTHER SERVICES</b>				
	Room & Board in Whitehorse	days at \$80/day		
	Field equipment from AC stock			
	Printing BURWASH-6 LOGTUNG-5 REG-16	Photocopies 733 @ .25 = 183.25	210.25	
	Rentals from AC			
	APRIL RENT & OFFICE SUPPORT		1000.00	
Drafting	hrs at \$38.40/hr			
	LOOMIS COURIER - 2 AT 13.85/EA	BURWASH-13.85 LOGTUNG-13.85	27.70	1237.95
<b>EXPENSES</b>				
	Petty Cash 20.80 C1 LOGTUNG + 18.70 C2		39.50	
	Telephone			
	GATEWAY COMMUNICATIONS		17.75	10 M67
	UNISERVE ONLINE		52.56	
	BRYAN & CO.	D3	263.41	
	CORPORATE COURIER		16.01	389.23
MANAGEMENT	6% on Expenses on Field A/C	LOGTUNG-21	22.29 147.01	169.30 8860.71
GST (R100247667)	7% on 8860.71			620.25
				9480.96

E=GST exempt

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

LOBTUNG PROJECT

Date

MAY 31, 2001

LABOUR			
Field	D. EATON - 34 HRS AT 60/HR	2040.00	
	B. WENZYNOWSKI - 30 1/4 HRS AT 60/HR	1830.00	
	T. BECKER - 2 HRS MARCH + 3 HRS MAY AT 50/HR	250.00	
Office	M. Cooke - 16 hrs at \$39.15/hr	626.40	
Accounting and Expediting	J. Mariacher - 3 1/4 hrs at \$44.45/hr	155.58	4901.98
<b>OTHER SERVICES</b>			
Room & Board in Whitehorse	days at \$80/day		
Field equipment from AC stock			
Printing	28.00 + 219.70	247.70	
Rentals from AC	Photocopies @ .25		
Drafting	hrs at \$38.40/hr		247.70
			<u>5149.68</u>
<b>EXPENSES</b>			
Petty Cash			
Telephone			
MANAGEMENT	6% on Expenses on Field A/C		
GST (R100247667)	7% on 5149.68		360.48
E=GST exempt			<u>5510.16</u>

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project  
Date

LOGTUNG PROJECT  
JUNE 30, 2001

LABOUR				
Field	A. ARCHER - 2 Hrs AT 66/HR		132.00	
	B. WENGLYNOWSKI - 8 Hrs AT 60/HR		480.00	
Office	M. Cooke - 3 hrs at \$39.15/hr		117.45	
Accounting and Expediting	J. Mariacher - 2 1/2 hrs at \$44.45/hr		111.13	840.58
<b>OTHER SERVICES</b>				
	Room & Board in Whitehorse	days at \$80/day		
	Field equipment from AC stock			
	Printing 10.00	Photocopies 3 @ .25 = .75	10.75	
	Rentals from AC			
Drafting	hrs at \$38.40/hr			10.75
				851.33
<b>EXPENSES</b>				
	Petty Cash			
	Telephone			
MANAGEMENT	6% on Expenses on Field A/C			
GST (R100247667)	7% on 851.33			59.59
E=GST exempt				910.92

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

LOGTUNG PROJECT

Date

JULY 1 - SEPTEMBER 30, 2001

LABOUR				
Field	A. ARCHER - 2 HRS AT 66/HR	JULY	132.00	
	R. CARNE - 8 HRS AT 60/HR		480.00	
	D. EATON - 10 HRS AT 60/HR		600.00	
Office	M. Cooke -	hrs at \$39.15/hr		
Accounting and Expediting	J. Mariacher -	4 hrs at \$44.45/hr	177.80	1389.80
<b>OTHER SERVICES</b>				
Room & Board in Whitehorse	3 days at \$80/day		240.00	
Field equipment from AC stock			17.50	
Printing	Photocopies 5 @ .25		1.25	
Rentals from AC	SEPT 9 - ATV + TRAILER AT 80/DAY		80.00	
Drafting	hrs at \$38.40/hr			
	LOOMIS COURIER - 1 AT 13.85	AVR	13.85	352.60
<b>EXPENSES</b>				
Petty Cash	10.59 CV AVR		10.59	
Telephone				
	A. ARCHER XPENSES	CV	18.78	
	D. EATON XPENSES	CV	15.52	44.94
<b>MANAGEMENT</b> 6% on Expenses				
	on Field A/C		2.70	
			6.14	8.84
GST (R100247667) 7% on	1796.16			125.73
				1921.89

E=GST exempt

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

In Account With

Project

LOBTUNG PROJECT

Date

NOVEMBER 1 - DECEMBER 31, 2001

LABOUR				
Field	A. ARCHER - 2 HR AT 66/HR		131.00	
Office	M. Cooke -	hrs at \$39.15/hr		
Accounting and Expediting	J. Mariacher -	1 hrs at \$44.45/hr	44.45	176.45
<b>OTHER SERVICES</b>				
Room & Board in Whitehorse		days at \$80/day		
Field equipment from AC stock				
Printing		Photocopies / + @ .25		
Rentals from AC				
Drafting		hrs at \$38.40/hr		
<b>EXPENSES</b>				
Petty Cash	7.15 CV	MISSED IN OCT	7.15	
Telephone				
	NORLAN LEASING		56.45	
	TWIGG SERVICES	MISSED IN OCT	63.56	
	GREYHOUND COURIER		17.26	147.45
<b>MANAGEMENT</b>				
	6% on Expenses		8.55	
	on Field A/C		0	8.55
				327.45
GST (R100247667)	7% on	327.45		22.92
				350.34

E=GST exempt



# ALS Chemex

**EXCELLENCE IN ANALYTICAL CHEMISTRY**

Aurora Laboratory Services Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1 Canada

Phone: 604 984 0221 Fax: 604 984 0218

To: STRATEGIC METALS LTD.  
C/O ARCHER, CATHRO AND ASSOCIATES (1981)  
LIMITED  
1016 - 510 W. HASTINGS ST.  
VANCOUVER BC V6B 1L8

**INVOICE NUMBER: 1001394**

## BILLING INFORMATION

Certificate: **VA02000425**  
Account: **MTT**  
Date : **04-Mar-2002**  
Project : **LOGTUNG**  
P.O. No.:  
Quote:  
Terms: **Net 30 Days**

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
1	BAT-01	Batch Charge	22.50	22.50
7	PREP-31	Crush, Split, Pulverize	4.50	31.50
7	ME-MS61	47 element four acid ICP-MS	13.50	94.50
7	GEO-4ACID	Four acid "near total" dig	3.00	21.00

SUBTOTAL \$ 169.50

GST R100938885 \$ 11.87

**TOTAL PAYABLE (CAD) \$ 181.37**

To: **STRATEGIC METALS LTD.**  
C/O ARCHER, CATHRO AND ASSOCIATES (1981)  
LIMITED  
1016 - 510 W. HASTINGS ST.  
VANCOUVER BC V6B 1L8

*181.46*  
*only*

Please Remit Payments to :

**ALS Chemex**

212 Brooksbank Avenue

North Vancouver BC V7J 2C1



Invoice

272807

Archer, Cathro & Associates  
1016-510 West Hastings St  
Vancouver, BC  
V6B 1L8

Date: 4/17/2001  
Our Job: 2611-16949-0  
Page: 1

Attention: Bill Wengzynowski

For Professional Services in Respect To:  
Airphotos from Logtung Survey File - Job No. 06332-2, Roll No. 236, Index No. 283  
Final Billing:

45 Prints @ 6.50 each	\$ 292.50
Set up fee	50.00
Shipping & Handling	10.00
	<u>352.50</u>

GST	24.68
PST	23.98

**Total This Invoice** **\$ 401.16**

If this invoice requires clarification, please contact this office within 10 days of the invoice.

Mapping/GIS/Orthophoto  
Interest on unpaid amounts is calculated at 1.5% per month.