

MAP NO:105H/2

ASSESSMENT REPORT: X
PROSPECTUS:
CONFIDENTIAL: X
OPEN FILE:

DOCUMENT NO: 093251
MINING DISTRICT: Watson Lake
TYPE OF WORK: Geological,
Geochemical, Geophysical

REPORT FILED UNDER: Snowdrift Minerals Inc.

DATE PERFORMED: August 10-September 11, 1994

DATE FILED: February 5, 1995

LATITUDE: 61 08

AREA: Dolly Varden Creek

LONGITUDE: 128 40

VALUE: \$4,800

CLAIM NAME AND #: Lance 1-12

WORK DONE BY: Carl Verley

WORK DONE FOR: Amerlin Exploration Services Ltd.

DATE TO GOOD STANDING	

REMARKS: 516 soil samples were collected in 1994. Values obtained range up to 651 ppm Cu, 3515 ppm Pb, 7414 ppm Zn, 21.9 ppm Ag, 70 ppb Au and 73 ppm As. Soil geochemistry defined a skarn zone previously exposed by trenching as well as a new zone anomalous in Cu, Pb, Zn, Ag and weak Au and As. Prospecting in the area of the new anomaly indicate that numerous quartz veinlets occur in the metasediments and represent a possible bulk tonnage target. The skarn zone consists of quartz-rich material with minor calc-silicate minerals (diopside/hedenbergite) and sulphides underlain by a calc-silicate rich band (diopside/hedenbergite) that contains higher concentrations of sulphides. Sphalerite, galena, chalcopyrite, pyrrhotite, pyrite and marcasite. Chip samples assayed up to 4.64% Zn, 0.30% Pb over 0.50 meters and 9.46% Zn, 5.83% Pb, 0.81% Cu, 73.8 g/T Ag, 0.22% W. 7.5 line Km of HLEM was performed over the skarn zone and 12.5 line Km of magnetometer work was performed.

093251

**GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT
ON THE LANCE 1 - 12 CLAIMS**

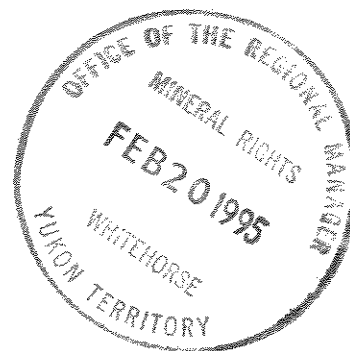
Watson Lake Mining District, Y.T.
NTS 105H-2
(61°08'N, 128°40'W)

for



SNOWDRIFT MINERALS INC.
201 - 1512 Yew Street
Vancouver, B.C. V6K 3E4
(604)731-1094

by



CARL G. VERLEY, P.Geo.
Amerlin Exploration Services Ltd.
2150 - 1851 Savage Road
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DECEMBER 1994

CLAIMS: LANCE 1 - 12
LOCATION: 80 miles (128 km) north of Watson Lake, Y.T.
DATE: August 10 to September 11, 1994.

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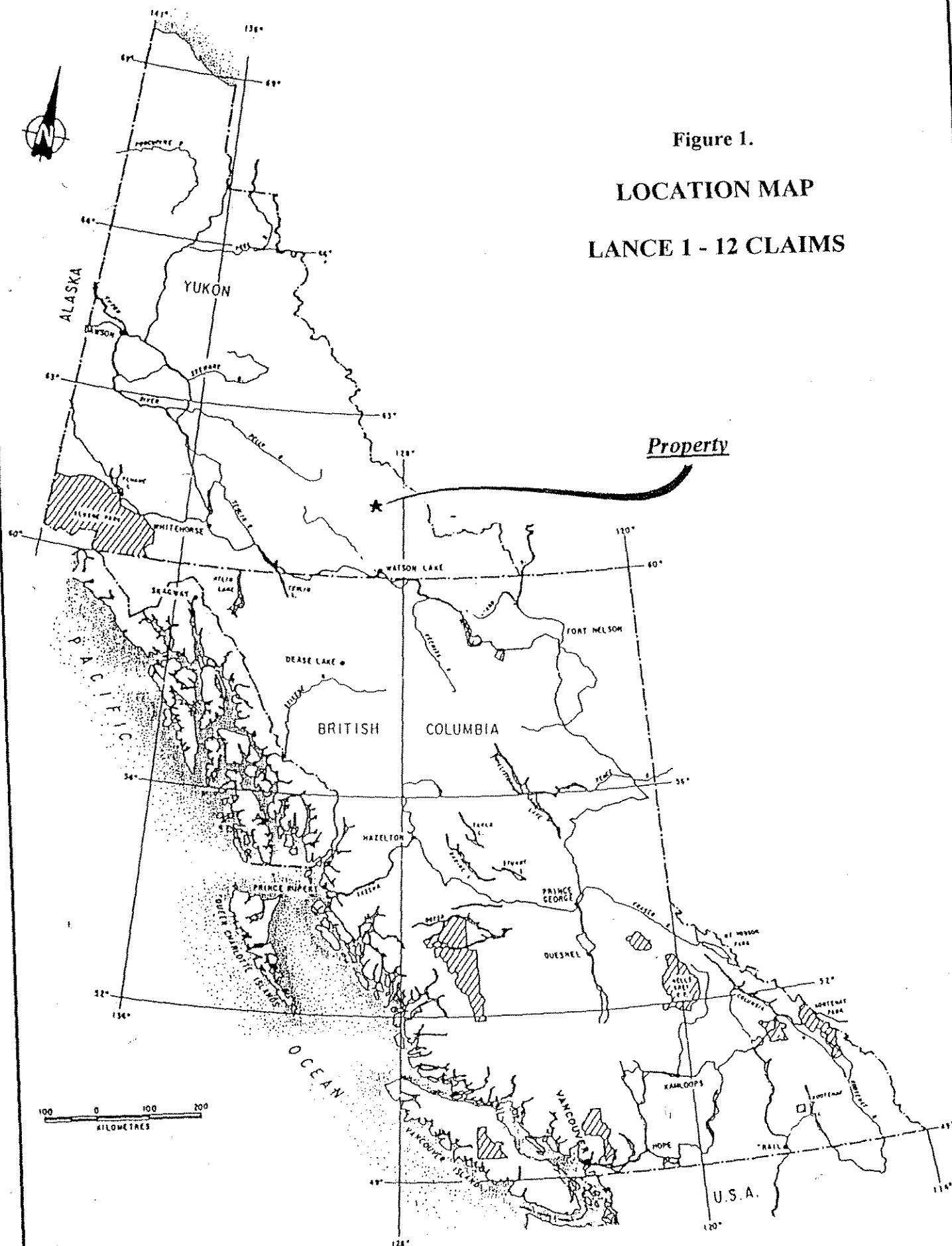
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Property



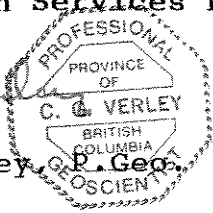
SUMMARY

Snowdrift Minerals Inc. has an option on the LANCE 1 -12 mineral claims. These claims are situated in one contiguous block centered 128 kilometres north of Watson Lake, in the Logan Mountains, Watson Lake Mining District (105H/2), Yukon Territory. The property is accessible by helicopter.

The ground is situated in an area underlain by metasediments believed to be Upper Devonian to Mississippian in age. These rocks are intruded by Cretaceous quartz monzonite. Skarn mineralization, consisting of sphalerite, galena, chalcopyrite, pyrite, pyrrhotite and scheelite, is exposed by trenches crossing a carbonate-rich section of the metasediments. The skarn horizon has a strike length in excess of 100 metres and dips to the east toward an intrusive contact. Chip samples taken across the skarn bands assay up to 0.81% Cu, 5.83% Pb, 9.46% Zn, 2.36 oz/ton Ag and 0.22% W. These results demonstrate that potentially economic values occur on the property. Further work is therefore warranted to determine the extent of the skarn mineralization and to investigate other areas of anomalous soil geochemistry.

A diamond drill program is recommended to continue evaluation of the skarn zone. The estimated cost of this work is \$160,000.

Respectfully submitted,
Amerlin Exploration Services Ltd.

Carl G. Verley
Carl G. Verley, P. Geom.
A circular professional seal for the Province of British Columbia. The outer ring contains the text 'PROFESSIONAL' at the top and 'GEOSCIENTIST' at the bottom. The inner circle contains the text 'PROVINCE OF' at the top, 'C. G. VERLEY' in the center, and 'BRITISH COLUMBIA' at the bottom.

December 27, 1994.
Richmond, B.C.

INTRODUCTION

This report compiles results of work conducted on the LANCE 1 - 12 mineral claims under the supervision of the writer for Snowdrift Minerals Inc. during the period August 10 to September 11, 1994. The object of this work was to examine the known showings on the property and investigate the mineral potential of the rest of the claims.

Location

The LANCE claims are centered 128 kilometres north of Watson Lake in the Logan Mountains, Watson Lake Mining District, Y.T. at latitude $61^{\circ}08'N$ and longitude $128^{\circ}40'W$. The property is situated on map-sheet 105H/2. The ground lies on an eastern portion Dolly Varden creek valley and consists, in the central and western parts, of forested, gently sloping valley bottom to steeper alpine ranges in the east. Elevations range from about 1200 to 1700 metres (3900 to 5600 feet) above sea level, with the main showing being at about 1300 metres (4250 feet) A.S.L.

Access

The property is best accessed by helicopter from Watson Lake. A staging point, found where the Cantung highway crosses Dolly Varden creek, is 21 kilometres south of the claims and is suitable for slinging gear to the property. An old bulldozer

trail leads to the claims from the Cantung highway, but it is overgrown in some areas.

History

The property was first acquired by the Yukon Pacific Prospecting Group in 1964 as the AL claims. Mapping and magnetometer surveys were reported to have been conducted on the property by this group (E.A. Ostensoe, 1965). In 1967 the ground was acquired by H. Kepper and Associates. Waterton-type airborne magnetometer, EM and radiometric surveys were conducted on the claims (H.S. Aikens et al., 1968). The ground was then optioned by Montana Mines Limited. Montana Mines Limited restaked the ground and conducted reconnaissance geochemistry, ground magnetometer surveys and sampling in 1968 (B.C. Fulcher, 1969). In 1970, Welland Consolidated Mining Ltd. staked the area as the Queen claims, however no work was reported. In 1976 Cominco restaked the area as the MTB claims. Magnetometer and IP surveys were conducted by Cominco in 1977 (A.R. Scott, 1977) as well as bulldozer trenching in 1979 (A.B. Mawer, 1980). Cominco allowed the ground to come open. It was then restaked by Mr. Alex Black in 1989.

PROPERTY

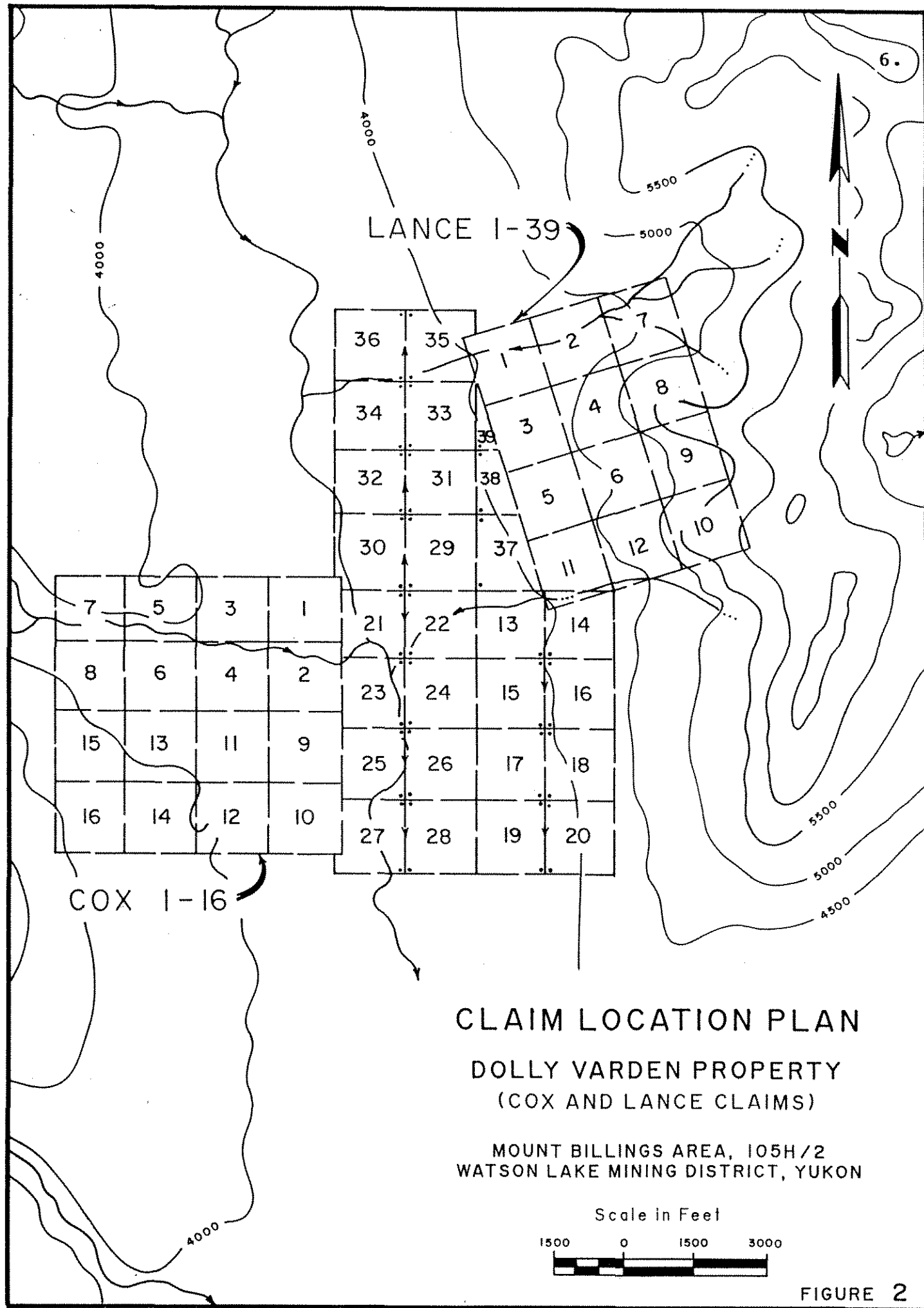
The property consists of a total of 12 contiguous, full sized mineral claims as tabulated below and illustrated on Figure 2. The claims are located in the Mount Billings area, Watson Lake Mining District, Y.T. (NTS 105H/2).

The Lance 1 - 12 claims are subject to an option agreement between the Snowdrift Minerals Inc. and Messrs. Alex Black and Lance Steigenberger. The LANCE 13 - 39 claims were staked subsequent to the work described in this report. Snowdrift Minerals Inc. owns the Lance 13 - 39 claims outright.

Table 1. MINERAL CLAIMS

<u>Claims</u>	<u>Grant Numbers</u>	<u>Expiry Date</u> [*]
LANCE 1 - 6	YB15739-YB15744	July 21, 1999
LANCE 7 - 12	YB45922-YB45927	July 14, 2000

^{*}Pending acceptance of assessment work.



GEOLOGY

Regional:

The property is situated in the northern extension of the Omineca belt east of the Tintina fault zone (Gabrielse, 1985). Regionally, the area is characterized by a succession of Paleozoic sediments - fine clastics and carbonates - that were probably derived from and deposited onto ancestral North America. Numerous post accretionary, Cretaceous to Tertiary age, plutons intrude this succession (Wheeler et al., 1989). This plutonism has produced variable degrees of regional and contact metamorphism through out the area, resulting in the development of a variety of mineral deposits.

Property:

The property is underlain by a variably deformed succession of presumably Devonian-Mississippian aged metasediments. Petrographic descriptions of representative samples of the various lithologies found on the property as well as mineralized specimens were prepared by Mr. Ken Northcote, Ph.D., P.Eng. This work is found in Appendix B.

On the eastern part of the property, these metasediments consist of gently, easterly-dipping phyllites to very fine-grained schists (uDMs) which contain a section of interbedded impure limestone and fine-grained quartzite or recrystallized chert. The phyllites contain finely disseminated

pyrite and are rusty weathering near the contact with a quartz monzonite stock on the eastern part of the claims. Quartz veins are numerous in the phyllite adjacent to the intrusive contact as well. The limestone-quartzite sequence is estimated to be approximately 20 metres (65 feet) thick and consists of interbedded, thin-bedded white to pale grey fine-grained quartzite bands alternating with pale creamy limestone or dolostone bands and dark grey pelitic bands. This section hosts Cu-Zn-Pb-Ag-W mineralization at the Skarn zone (Plate 1).

On the eastern part of the property a quartz monzonite pluton (Kqm) intrudes the phyllites. The quartz monzonite is a blocky grey-weathering, biotite-hornblende bearing, medium-grained equigranular to weakly porphyritic rock. Near or at the contact with the phyllites the quartz monzonite is typically rusty weathering and locally has pyrite-rich sections. This intrusive is believed to have been responsible for much of the skarn development in the metasediments.

MINERALIZATION

On the Dolly Varden property the prime mineralized area is a skarn zone located in a limestone-quartzite section of the phyllite sequence on the northeastern part of the property. Mineralized float boulders up to 5 tons in size were found on the property during initial prospecting. Later, when Cominco held the property, a series of trenches were cut with a bulldozer and revealed the source of the skarn boulders. The trench walls have since sloughed-in to a certain extent. The writer, during the course of work on the property, supervised remucking of portions of the trenches and sampled mineralized zones exposed by this work (Plate 2). Complete assay and rock geochemical data and detailed sample descriptions are found in Appendix C.

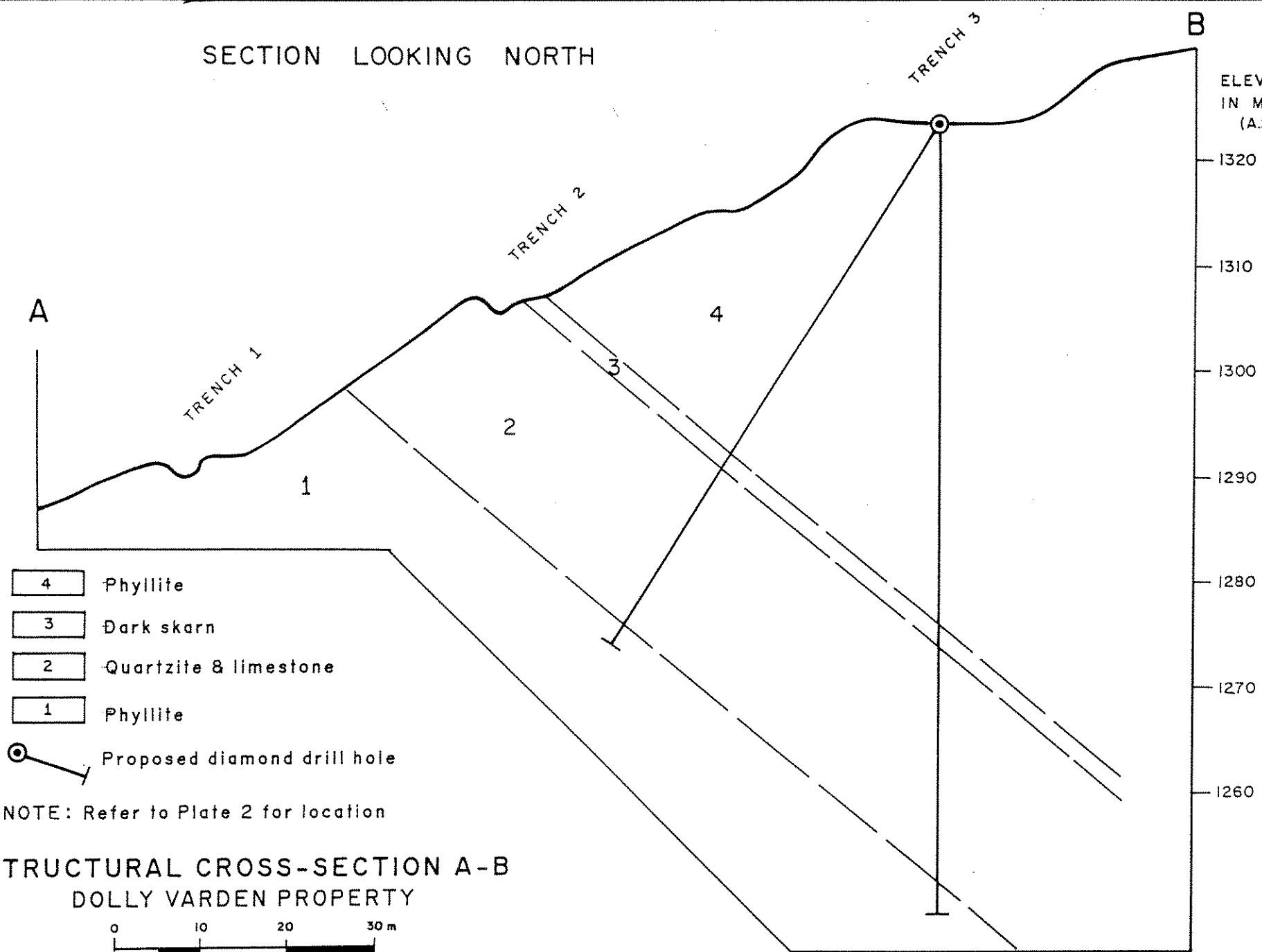
Table 2. Assay Data

1979 DATA (COMINCO)							1994 DATA (AMERLIN)							
width (m)	Cu%	Pb%	Zn%	Ag oz/t	Au ppb	WO ₃ %	Sample No.	Width (m)	Cu%	Pb%	Zn%	Ag oz/t	Au ppb	WO ₃ %
TRENCH 1														
3.0	0.72	4.20	4.75	2.50	N/A	0.14	642	Grab	0.02	2.36	4.08	2.77	71	0.11
1.3	3.04	20.50	19.60	13.90	N/A	0.73	643	Grab	0.02	2.74	3.76	0.11	22	0.09
TRENCH 2														
2.0	0.74	5.56	4.75	1.98	N/A	0.72	628	0.88	0.06	1.13	1.58	0.43	52	0.01
2.0	0.80	3.10	5.40	11.60	N/A	0.28	630	0.50	0.81	5.83	9.46	2.36	45	0.22
							632	1.50	0.07	0.27	1.03	0.57	21	0.01
TRENCH 8														
1.5	0.02	1.08	0.20	0.38	N/A	0.07	621	1.00	0.01	0.06	0.13	tr	3	0.01
							622	0.50	0.05	0.30	4.64	0.06	33	0.01
TRENCH 9														
2.7	<0.01	0.23	0.17	0.01	N/A	<0.01								
FLOAT														
GRAB	2.38	10.07	18.50	17.80	N/A	0.73	644	GRAB	1.88	10.15	15.74	1.54	140	0.08
GRAB	0.78	6.90	8.00	8.23	N/A	0.40								

Skarn development occurs at the top of the limestone-quartzite band. Trenching by Cominco Ltd. in 1977 exposed the skarn band for a strike length of over 100 metres. Attempts at exposing the horizon beyond this appear to have met with difficulty because of increasing thickness of overburden. The skarn horizon dips moderately (25° to 43°) to the southeast (Figure 3.) toward the contact with quartz monzonite. Assuming a near vertical contact for the intrusive, there could be in the order of 600 to 700 metres of down dip extension to the carbonate section. The southern part of the band appears to be folded such that the strike swings to a more westerly direction. The top of this horizon where sampled in Trenches 2 and 8 (samples 627 and 621 respectively) varies from 0.76 to 1.0 metres in thickness and consists of quartz-rich material with minor calc-silicate minerals (diopside/ hedenbergite) and sulphides. The quartz in this section is interpreted as being hydrothermal in origin. This band grades into and is underlain by a calc-silicate-rich band (mainly dark green diopside/hedenbergite) that contains considerably higher concentrations of zinc, lead and copper sulphides. Sphalerite and galena occur as fine to medium-grained, irregularly shaped, intergrown masses to disseminations. Chalcopyrite occurs as discreet blebs and patchy, small clots. Pyrrhotite is found as isolated small euhedral to anhedral grains and clusters. It is commonly altered to pyrite or marcasite. Rare garnet is commonly altered to chlorite. Epidote is associated

SECTION LOOKING NORTH

11.



- 4 Phyllite
- 3 Dark skarn
- 2 Quartzite & limestone
- 1 Phyllite
- Proposed diamond drill hole

NOTE: Refer to Plate 2 for location

STRUCTURAL CROSS-SECTION A-B
DOLLY VARDEN PROPERTY

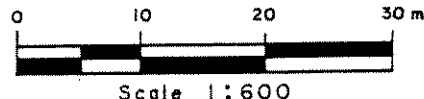


FIGURE 3

with some section of massive sulphide mineralization. A sample of this material across 0.50 metres in Trench 8 assayed: 4.64% Zn and 0.30% Pb (sample 622). In Trench 2 a 0.50 metre sample assayed: 9.46% Zn, 5.83% Pb, 0.81% Cu, 2.36 oz/ton Ag and 0.22% W (sample 630). These are comparable to values obtained by Cominco in their 1979 sampling where a 2 metre interval assayed 0.74% Cu, 5.56% Pb, 4.75% Zn, 1.98 oz/ton Ag and 0.72% WO_3 . Trench 1 which had sloughed-in contained float boulders of dark green skarn with disseminated galena and sphalerite. A chip sample (642) off one of these boulders, which is believed to be very close to its bedrock source, assayed: 4.08% Zn, 2.36% PbS, 2.77 oz/ton Ag and 0.11% W. Cominco reported a 3 metre interval in this trench that assayed: 4.75% Zn, 4.20% Pb, 0.72% Cu, 2.50 oz/ton Ag and 0.14% WO_3 . It is believed that sampling in trenches 1 and 2 indicate that potentially economic grades of zinc, lead and copper mineralization exist on the property. Significant silver and tungsten assays from the skarn band could enhance these values.

Below the dark skarn horizon is situated another quartz-rich band with wollastonite and minor sulphide (ZnS, PbS, $CuFeS_2$) mineralization (samples 631, 632 and 633). Quartz in this band may represent fine-grained quartzite or recrystallized chert.

Dick (1979) in a study of skarn deposits in the northern Cordillera noted "that skarns. . . may be divided into 4 main groups based on the major ore element assemblages which they

contain. These are 1) W-Cu, 2) W-Mo, 3) Zn-Pb, and 4) W-Cu-Sn." He goes on to say "The only economically significant skarn deposits are those of the W-Cu group. Group 2 skarns are not common and Mo is, with one exception, a minor component. Group 3 skarns are widely distributed in the region and, although they may attain significant ore grade, are usually very small in size." The closest analogue to the Dolly Varden property is the Sa Dena Hes skarn deposit. It lies 65 kilometres south of the Dolly Varden property. The Sa Dena Hes or Mt. Hundere mine was reported to have reserves in 4 zones of approximately 4 million tonnes with an average grade of 8.45% Pb, 13.2% Zn and 50 g/t Ag (Bremner et al., 1990). The mineralization is hosted in folded Lower Cambrian limestones (Abbott, 1987). With respect to Dick's classification it is the writer's opinion that the skarn zone on the Dolly Varden property represents a hybrid between group 1 (W-Cu) and group 3 (Zn-Pb) skarns and has potential for yielding a small tonnage (in the order of several million tons), high grade (12% combined Zn-Pb with significant Ag, Cu and W credits) deposit.

The opportunity to find additional reserves of lead-zinc-silver in the area is believed to be excellent. The Dolly Varden property is a particularly attractive target, not only because of the relatively easy accessibility and nearby infrastructure. The copper, lead, zinc and silver mineralization found to date on the property indicates that potentially economic

values exist there. The structural setting of the mineralized horizon - dipping in toward an intrusive contact - is permissive for the development of further mineralization down dip. Therefore, further work is strongly warranted to test the tenor and continuity of the mineralization at the Skarn zone.

GEOCHEMISTRY

Soil sampling was conducted over 12.5 kilometres of grid on the property. A total of 516 soils were collected along grid lines at 25 metre intervals. Sample sites were marked, with sample numbers inscribed on aluminum tags stapled to pickets. Silt samples (16) were collected from streams draining the property (Plate 1). There was considerable variation in soil development on the property. On the upper part of the Skarn zone grid typical immature alpine soils are found, but on the lower parts of the grid, particularly the northern third, glacial outwash consisting of granitic boulders obscures bedrock. This type of material was difficult to sample and because of its thickness may have masked the true geochemical response from underlying bedrock. The glacial outwash therefore made the use of soil sampling techniques difficult for tracing out surface extensions of mineralization.

All samples were placed in numbered bags and delivered to Pioneer Laboratories Ltd. in New Westminster, B.C. There samples were dried and sieved to -80 mesh. A 0.5 gram portion of each sieved sample was digested in 3 ML of a 3:1:2 solution of HCl, HNO₃ and H₂O at 95°C for one hour, then diluted with water to a 10 ML solution. Gold analysis was by atomic absorption from a 10 gram sample. Inductively coupled argon plasma(ICP) technique was used to analyze 0.5 grams samples for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba,

Al, Na, K, and W.

The data was analyzed using the 'Probplot' computer program (Stanley, 1987) to determine population parameters for copper, lead, zinc, silver, gold and arsenic data. The data was split into two populations. A background population believed to typify the response of unmineralized bedrock and an anomalous population believed to reflect the response in soils to mineralization. In some cases a lower, "sub-background" population was noted. This reflects areas where there is depletion, the cause of which has not been determined, but may be due either to natural causes (alteration) or through sampling or analytical problems. A threshold was calculated that minimized classification errors between the background and anomalous populations. Probability and data plots are found in Appendix 'C' (Figures 4 to 12). An interpretation of the data in terms of background and anomalous categories is tabulated below (Table 3). A discussion of the results follows.

Table 3. Interpretation of Geochemical Data

	Copper (ppm)	Lead (ppm)	Zinc (ppm)	Silver (ppm)	Gold (ppb)	Arsenic (ppm)
Range	2-651	2-3515	13-7414	0.1-21.9	1- 70	2-73
Background	2- 52	2- 46	13- 147	0.1- 0.5	1- 6.5	2-18
Anomalous	53+	47+	148+	0.6+	7+	19+

Values in soils along the sampled lines range up to 651 ppm Cu, 3515 ppm Pb, 7414 ppm Zn, 21.9 ppm Ag, 70 ppb Au and 73 ppm As. High copper, lead, zinc and silver values coincide with skarn mineralization exposed by trenching, and form an anomalous zone (Anomaly I, Plate 1) approximately 60 metres by 260 metres in size. This anomaly therefore represents the geochemical manifestation of the Skarn zone. The lateral extension to the north is probably masked by glacial outwash. Similarly, to the south the skarn band appears to change strike to a westerly direction and again is probably masked by glacial outwash there.

Another anomalous zone (Anomaly II, Plate 1) occurs at the ends of lines 9700N, 9750N and 9800N from about 1825E eastwards. Soils in this area, although not exhibiting well developed profiles, do represent underlying bedrock. This area is anomalous in Cu, Pb, Zn, Ag as well as being weakly anomalous in Au and As. Reconnaissance prospecting indicate that numerous quartz veinlets occur in the metasediments in this area. The veining in the metasediments suggests that there may be potential for a bulk tonnage style of mineralization (Cu-Au?). The anomaly is still open to the east and south. Further work is warranted to determine the source and nature of this anomaly.

GEOPHYSICS

An electromagnetic survey (HLEM) was conducted over 7.5 kilometres of that part of the grid crossing the skarn zone. In addition a magnetometer survey (12.5 kilometres) was done over the whole grid. The work was conducted by Amerok Geophysics of Whitehorse, Yukon. The complete report of this work by Mr. Michael A. Power, M.Sc., P.Geo. of Amerok is found in Appendix D.

In their work Amerok utilized an Apex Parametrics Maxmin I-9 system. A 100 metre coil spacing and 25 metre station spacing was used over the area surveyed. Frequencies of 3520, 14080 and 28160 Hz were selected for the survey. The magnetometer survey was undertaken with an EDA Omni IV proton precession magnetometer and synchronized Omni IV base station magnetometer. Readings of total magnetic field strength were taken at 12.5 metre intervals over the whole grid. The magnetometer data was corrected for temporal geomagnetic variation. The object of this work was to test the effectiveness of the HLEM and magnetic techniques in outlining the skarn zone.

The results of HLEM survey located several weak conductors in the grid area. A north-south trending conductor (Conductor A, Plate 1) nearly co-incident with the showing exposed in Trench 2 extends from 9700N, 1475E to 9500N, 1525E. Another conductor is located at 10000N, 1150E (Conductor B) and a further one across 9850N to 9900N from 1800E to 1825E (Conductor

C). The rather poor response of mineralization in the skarn zone may reflect the discrete, granular nature of the conductive sulphide phases in this mineralized zone.

Results of the total magnetic field survey indicate that an east west trending magnetic low is co-incident with the trenched area. The magnetic low may represent alteration associated with an underlying intrusion, alteration along a structural break or the magnetic expression of the carbonate host unit.

CONCLUSIONS & RECOMMENDATIONS

Snowdrift Minerals Inc. has an interest in 55 mineral claims located in the Mount Billings area, Watson Lake Mining District, Yukon. The claims are situated 128 kilometres north of Watson Lake. Access is by helicopter.

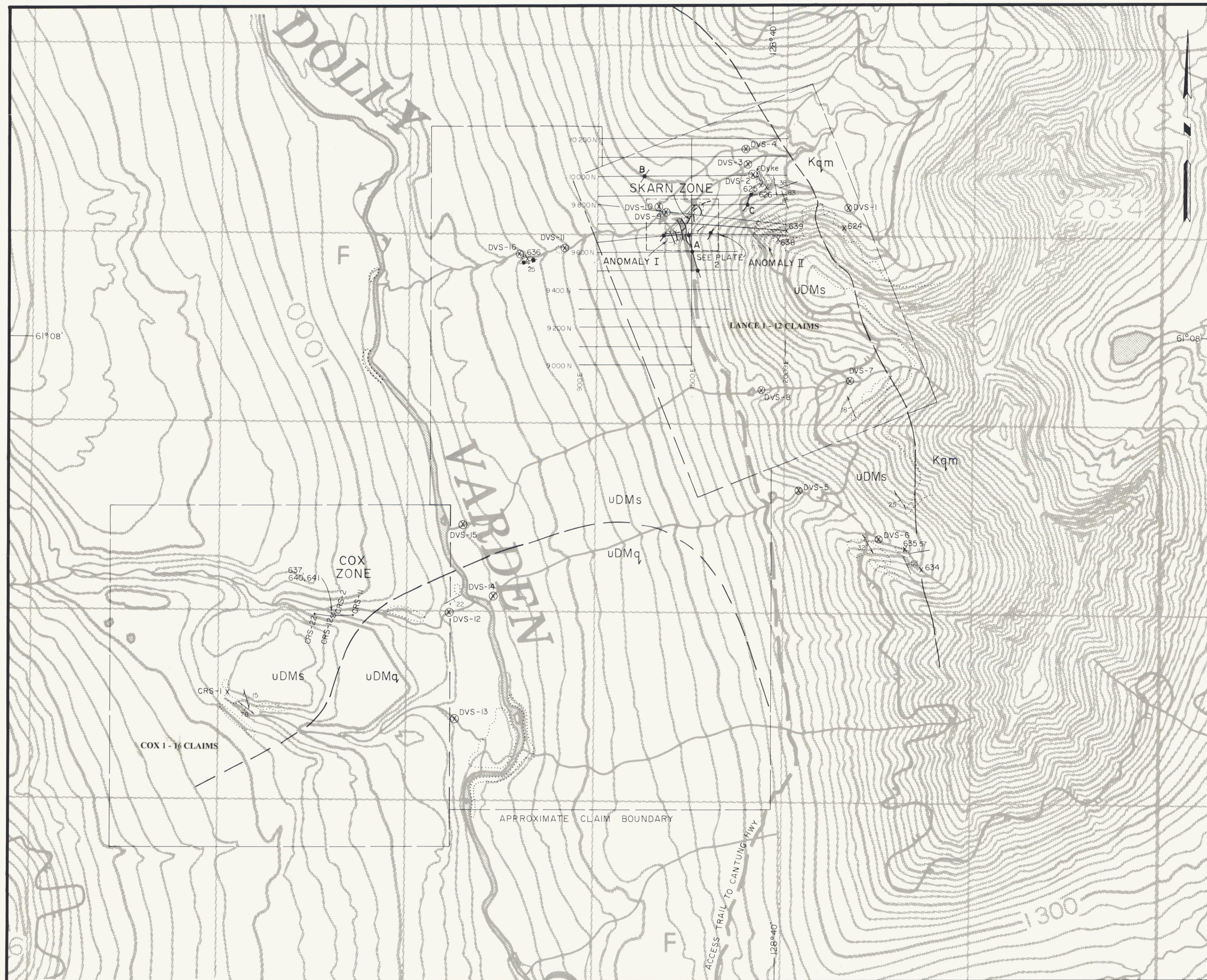
The property is underlain by a succession of Devonian-Mississippian pelitic rocks with interbedded carbonates. A skarn zone, that has been exposed in trenches on the claims, extends laterally for 200 metres and dips moderately to the east toward a contact with quartz monzonite. Chip samples taken by the writer across 0.5 metres assay up to 0.81% Cu, 5.83% Pb, 9.46% Zn, 2.36 oz/ton Ag and 0.22% W. Soil geochemistry has not proven to be useful in tracing out lateral extensions of the skarn zone because of thick glacial outwash. A subtle geophysical response to the mineralization is probably the result of the habit of the sulphide minerals.

However, because of the potentially economic value of the mineralization encountered in and the permissive attitude of the skarn zone for hosting further contact related mineralization, it is believed that the probability for finding a small tonnage high grade deposit on the property is high.

A program of further work, consisting of diamond drilling and estimated to cost \$160,000 is strongly recommended to further evaluate the skarn zone.

REFERENCES

- Abbott, J.G., 1981: A New Geological Map of Mt. Hundere and the Area North, in Yukon Geology and Exploration, 1979-80, Department of Indian and Northern Affairs.
- Aikins, H.S., R.C. Gifford, P. Sevensma, 1968: Report on Airborne Geophysical Survey, KF and DF Claims, for H. Kepper & Associates, Indian & Northern Affairs Canada report no. 018909.
- Bremner, T. and D. Ouellete, 1990: Mt Hundere, in Yukon Exploration, Department of Indian and Northern Affairs
- Fulcher, B.C., 1969: Geochemical, Geological and Geophysical Report on the Dolly Varden Property, for Montana Mines Limited, Indian & Northern Affairs report no. 060169.
- Gabrielse, H., 1985: Major transcurrent displacements along the northern Rocky Mountain trench and related lineaments in north-central B.C., Geol. Soc. Am. Bull., Vol. 96, p. 1-14.
- Mawer, A.B., 1980: Assessment Report for Bulldozer Trenching on MTB Mining Claims, for Cominco Ltd., Indian & Northern Affairs Canada report no. 090934.
- Ostensoe, E.A., 1965: Report on Magnetometer Survey with Notes on Geology, for Yukon Pacific Prospecting Group, Indian & Northern Affairs Canada report no. 017940.
- Power, M., 1994: HLEM and Magnetometer Surveys of the Dolly Varden Property, Frances Lake Area, Yukon Territory, for Snowdrift Minerals Inc.
- Scott, A.R., 1977: Induced Polarization and Magnetics Survey, MTB Claims, for Cominco Ltd., Indian & Northern Affairs Canada report no. 090209.
- Stanley, C.R., 1987: Probplot, an interactive computer program to fit mixtures of normal (or lognormal) distributions, Association of Exploration Geochemists, Special Vol. #14.
- Wheeler, J.O. and A.J. Brookfield, H. Gabrielse, J.W.H. Monger, H.W. Tipper, G.J. Woodsworth, 1989: Terrane Map of the Canadian Cordillera, Geol. Survey of Canada, O.F. 1894.



LEGEND

CRETACEOUS (?)

Kqm MEDIUM-GRAINED BIOTITE-QUARTZ MONZONITE

UPPER DEVONIAN-MISSISSIPPIAN

uDMq QUARTZITE AND DOLOMITIC QUARTZITE LOCALLY FOSSILIFEROUS.

uDMs PHYLLITE: GREENISH GREY TO DARK GREY AND CARBONACEOUS. LOCALLY HORNFELS, WITH QUARTZ VEINS AND DISSEMINATED PYRITE NEAR INTRUSIVE CONTACTS. CONTAINS QUARTZITE AND LIME-STONE AT SKARN ZONE. SEE PLATE 2 FOR DETAILS. SUBDIVIDED INTO UNITS 1, 2, 3 AND 4 AT SKARN ZONE.

LITHOLOGIC CONTACT

OUTCROP DISTRIBUTION

BEDDING

FRACTURES

FOLIATION

QUARTZ VEIN

X 636 ROCK SAMPLE LOCATION
REFER TO APPENDIX C FOR ANALYTICAL DATA

DVS-1 STREAM SEDIMENT SAMPLE
REFER TO APPENDIX C FOR ANALYTICAL DATA

CRS-2 RECONNAISSANCE SOIL LINE
COX CLAIMS
REFER TO APPENDIX C FOR ANALYTICAL DATA

ANOMALY I, II SOIL GEOCHEMICAL ANOMALIES
REFER TO APPENDIX C FOR PLOTS AND ANALYTICAL DATA

HLEM CONDUCTORS
REFER TO APPENDIX D

FOREST COVERED AREAS

NOTE:
TOPOGRAPHY FROM ENERGY, MINES AND RESOURCES MAP 105H/2
-CONTOUR INTERVAL 20 METERS
-MAGNETIC DECLINATIONS 29°46' (1994)

SNOWDRIFT MINERALS INC.

GEOLOGY

DOLLY VARDEN PROPERTY **093251**

MOUNT BILLINGS AREA, 105H/2
WATSON LAKE MINING DISTRICT, YUKON

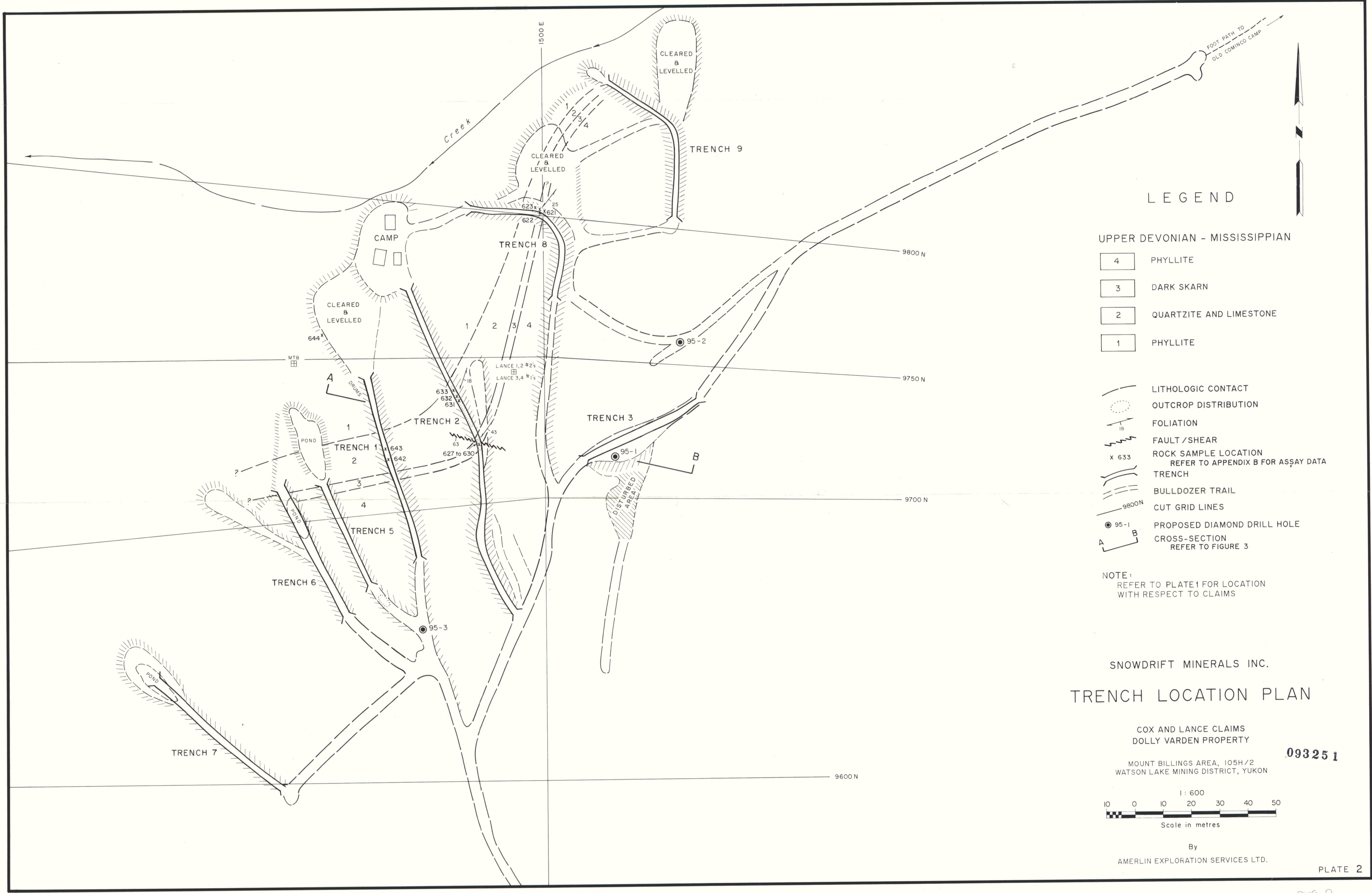
0 200 400 600 800 1000

Scale in Metres

By

AMERLIN EXPLORATION SERVICES LTD. PLATE 1

DWG 1



APPENDIX A
STATUTORY DECLARATION

STATUTORY DECLARATION

CANADA)
) In the matter of a geological, geochemical and geo-
) physical report on behalf of Snowdrift Minerals Inc.
TO WIT:)

I, Carl G. Verley, agent for Snowdrift Minerals Inc.
of 201 - 1512 Yew Street, Vancouver, B.C. V6K 3E4

do solemnly declare, - that geological, geochemical and
geophysical work was conducted on the LANCE 1 - 12 mineral
claims, Watson Lake Mining District, Yukon, from August 11 to
September 10, 1994. Expenditures for this work include:

Assay and analytical	.7,974.55
Expediting	.667.30
Food	.2,835.55
Geophysical surveys.	10,300.00
Helicopter charter	.8,226.75
Petrography.	.1,297.38
Total.	.\$31,301.53

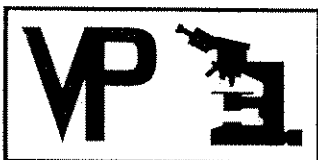
And I make this declaration conscientiously believing it to
be true and knowing that it is of the same force and effect as if
made under oath and by virtue of The Canada Evidence Act.

Declared before me at VANCOUVER)
in the Province of B.C. this)
2nd day of January 1995.)

Carl G. Verley

[Signature]
Notary Public.

APPENDIX B
PETROGRAPHIC REPORT



Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Carl G. Verly
Amerlin Exploration Services Ltd.
2150-1851 Savage Road
Richmond, B.C. V6V 1R1
Tel/Fax [604] 821-1088

JOB #940527
Nov. 14/94

Dear Carl,

Re: 10 sections from Southern Yukon

Petrographic descriptions have been completed for the 10 samples and the report is attached.

Gangue minerals

One or two of the sections, #10 in particular, was cut too thick making identification of a couple of minerals in it difficult. Others are so fine that X-ray diffraction or electron microprobe studies are required for positive identification. The main assemblage, however, seems to be fairly straight forward but varies from section to section as noted. I included photomicrographs to enhance descriptions.

Ore minerals

Scheelite is present in significant amounts in a few of the samples and obviously requires assay for verification, if not already done. Sulphides include sphalerite, galena, chalcopyrite, pyrite, pyrrhotite (alteration to pyrite-marcasite), very minor covellite. Traces of ilmenite are also suspected, as noted.

Suggested paragenesis of "ore" minerals

Scheelite
Pyrrhotite
Pyrite
Pyrite/marcasite
Sphalerite
Chalcopyrite
Galena
Covellite

_____ ? _____ ?

Sample rejects and sections are being shipped by bus, collect.

Yours very truly,

K.E. Northcote, Ph.D., P.Eng.

[604] 796-2068

[1] 624
Quartz monzonite

BEST ATTAINABLE
IMAGE



Photomicrographs 94 R XXIII-2 and 1 Plane & polarized light
Scale 0.1 mm _____

Summary description

Medium grained, equigranular, composed of loose packed interlocking crystals of partially altered oscillatory zoned plagioclase; chlorite altered biotite, lesser hornblende; with interstitial masses of optically continuous quartz and K-feldspar enclosing plagioclase and biotite.

Very minor accessory sphene.

Alteration products include varied intensity of patchy dusting and felted microcrystalline sericite alteration of plagioclase. Biotite partially altered to chlorite, some associated sphene and very minor opaques. K-feldspar clouded by crystallographic controlled alteration dusting.

[1] Continued

Opagues, 2%, disseminated in groundmass and associated with altered mafic.

UV Lamp: No conspicuous fluorescence on cut surfaces. Shows fluorescent lichen and efflorescent material on fracture surfaces.

Microscopic description

Plagioclase; 28-30%, subhedral (0.2 to >3.0 mm). Interlocking with altered biotite. Patchy felted microcrystalline sericite alteration, associated "clay" dusting, varied intensities. Oscillatory zoning. Polysynthetic twinning indicates composition in mid andesine range.

Biotite; 8-10%, anhedral (<.05 to >1.5 mm). Ragged plates/blades; disseminated grains, clusters of grains. Varied intensity of chloritic alteration, traces (+) epidote. Associated disseminated opagues.

Hornblende; 4-5%, anhedral (<0.1 to >3.0 mm). Disseminated ragged crystals, clusters of crystals. Some grains with poikilitic texture enclosing altered plagioclase, ragged chlorite-altered biotite, opaque crystals. Partial alteration to chlorite.

K-feldspar; 23-25%, anhedral (0.2 to >3.0 mm). Interstitial masses in optical continuity enclosing smaller plagioclase and mafic crystal. Moderate to locally strong patchy (crystallographic controlled) dusted clouding. Conspicuous K-stain on stained off-cut.

Quartz; 28-30%, anhedral (0.2 to >3.0 mm). Interstitial masses, featureless, optically continuous, enclosing plagioclase and mafics.

Accessories

Sphene; <0.5%, anhedral/subhedral (.05 to 0.3 mm). Disseminated grains in general groundmass and associated with altered mafics.

Opaque; 2-3%, subhedral/euhedral (<.01 to 0.4 mm). Disseminated crystals, compact clusters. In general groundmass but shows affinity for altered mafics.

BEST ATTAINABLE
IMAGE

[2] 626

Quartz, plagioclase, sericite/muscovite, chlorite schist.



Photomicrographs 94 R XXIII-3 and 4

Plane and polarized light
Scale 0.1 mm —

Summary description

Schistose, foliated composed of plagioclase, quartz, sericite-muscovite, chlorite-biotite schist. Major components show intermixing but are mainly segregated into laminae enriched in one or more of the major components.

Patchy interstitial distribution of a transparent pale brown to grey pleochroic mineral (cordierite(???)) which appears to be altered to microcrystalline chlorite. Also suspect amphibole needles but not confirmed.

Biotite is largely altered to chlorite. plagioclase shows slight dusting and weak microcrystalline sericite alteration.

[2] Continued

Opaque, as disseminated grains and laths. Pyrite noted in cut faces of rejects.

UV Lamp showed no conspicuous fluorescence on cut surfaces.

Strong iron-staining in fractures and on sample surfaces.

Microscopic description
Transmitted light

Groundmass: foliated, laminated. Layering a result of differences in relative abundance of major components. Some disruption by movement on fracture surfaces.

Sericite/muscovite; 30-35%, anhedral (<.05 to 0.3 mm). Ragged blades, foliated clusters, intermixed with chlorite, quartz, plagioclase. Laminated by variations in relative percentages of major components.

Chlorite; 8-10%, anhedral (<.05 to 0.3 mm). Ragged blades, foliated clusters, intermixed with sericite/muscovite. Laminated by variations in relative percentages of major components.

Biotite; 4-5%, anhedral (<.05 to >0.3 mm). Ragged blades, foliated clusters, largely altered to chlorite. Intermixed with sericite/muscovite, chlorite. Laminated by variations in relative percentages of major components.

Altered undetermined "X" (cordierite??); 1-2%, anhedral, (<.05 to 0.2 mm). Very pale brown tint, some smoky grey mottling. [Translucent, low birefringence, pleochroic]. Grains of similar appearance are altered to microcrystalline aggregates of chlorite(?) Forms irregular masses among main constituents. Suspect cordierite???

Plagioclase; 20-25%, anhedral (<.02 to >0.2 mm). Irregular grains, clusters of interlocking grains intermixed with major components but segregated into plagioclase-rich laminae. Clouded by slight dusting, some microcrystalline sericite.

Quartz; 20-25%, anhedral (<.02 to 0.5 mm). Irregular interlocking grains, elongate, foliated, intermixed with major components but segregated into quartz-rich laminae with lensoids of the coarser grains.

Amphibole; suspected, not confirmed. Mixed with sericite, small acicular component may be amphibole but like sericite has parallel extinction. Electron microprobe analysis would help resolve this problem.

[2] Continued

Opaque; 3-4%, anhedral/euhedral, (<.01 to 0.15 mm). Noted pyrite on cut surfaces. Non-magnetic. As irregular grains and foliated lath-like forms.

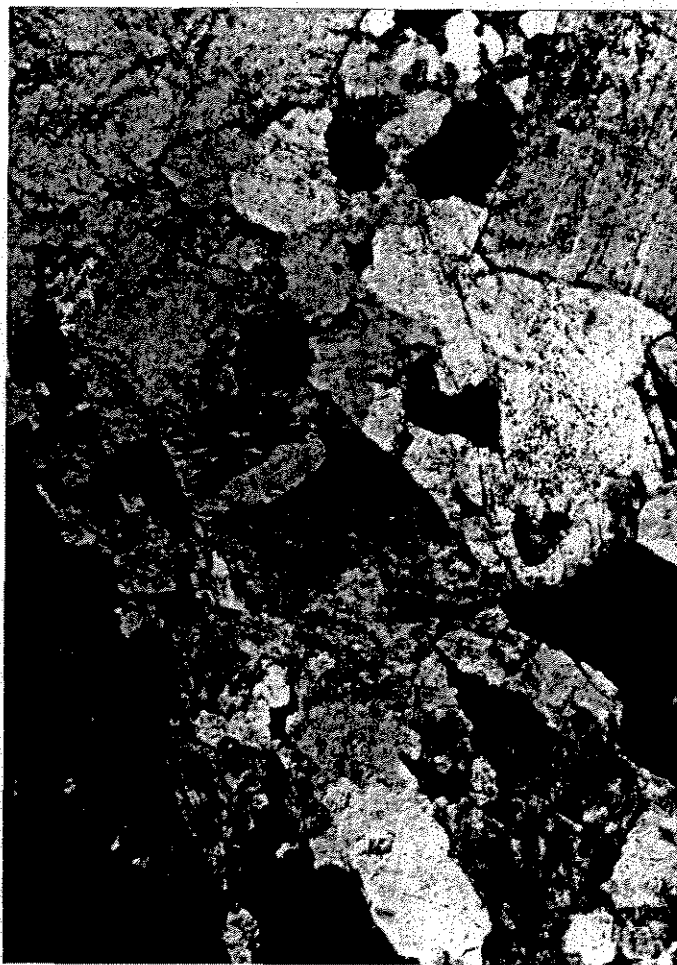
Iron-stained fractures in and crossing foliation.

UV Lamp; showed no conspicuous fluorescence.

BEST ATTAINABLE
IMAGE

[3] 634

Porphyritic granodiorite/quartz monzonite



Photomicrographs 94 R XXIII-5 and 6 Plane and polarized light
Scale 0.1 mm —

Summary description

Composed of interlocking oscillatory zoned plagioclase, hornblende < biotite, with interstitial quartz and K-feldspar.

Plagioclase has varied grain-size, weakly porphyritic, oscillatory zoned, varied intensity patchy dusting and sericitic alteration. Varied intensity chlorite alteration of biotite and hornblende.

Very minor disseminated opaques. Traces of pyrite in sample rejects. Scattered magnetic grains. No significant fluorescence on cut surfaces of rejects. Some fluorescent lichen and efflorescence on fracture surfaces.

[3] Continued

Microscopic description

Plagioclase; 35-38%, anhedral/subhedral (0.2 to >3.0 mm).

Interlocking crystals, varied grain-size. Oscillatory zoning. Conspicuous twinning indicates a composition in oligoclase-andesine range. Patchy microcrystalline felted sericite alteration and slight dusting. Albitic margins. Small inclusions in mafics.

K-feldspar; 20-22%, anhedral (<.05 to >1.0 mm). Generally finer grain-sizes interstitial to plagioclase and mafics.

Stronger more conspicuous and more evenly dusted alteration than plagioclase.

Biotite; 12-15%, anhedral (0.1 to >2.0 mm). Disseminated blades, clusters of blades, varied grain-sizes; and varied intensity chlorite alteration. Associated with hornblende. Contains few minute crystals of zircon, associated sphene.

Hornblende; 6-8%, anhedral (0.1 to >4.0 mm). Disseminated prisms, clusters, associated with biotite. Poikilitic texture enclosing altered plagioclase.

Quartz; 20-22%, anhedral (<0.1 to >2.0 mm). Irregular, interlocking, interstitial to plagioclase and mafics. Wide range of grain-sizes.

Accessory minerals

Zircon; traces, euhedral (<.05 to 0.1 mm), with pleochroic haloes in mafics.

Sphene; traces (+), anhedral/subhedral (<.05 to 0.1 mm). Associated with altered mafics.

Opaques; 0.5-1.0%, anhedral (<.01 to >0.2 mm). Disseminated grains, clusters of grains, show affinity for mafics. Trace pyrite visible in sample rejects. Scattered magnetic grains.

[4] 624 A

Laminated calc-silicate, metasediments

BEST ATTAINABLE
IMAGE



Photomicrographs 94 R XXIII-7 and 8

Polarized light
Scale 0.1 mm 

Summary description

Layered, composed of intermixed and segregated layers of wollastonite, pyroxene (diopside/hedenbergite(?)), quartz, suspected tremolite(?) and feldspathic metasedimentary laminae. Relative percentages varied because of layering.

Disseminations, fracture controlled epidote and carbonate.

Scheelite not detected in thin section but cut surfaces of sample rejects show bright blue white fluorescence under UV light.

Requires geochemical analysis for Wo.

Microscopic description: Relative percentages varied because of layering. Layered calc-silicate. Composed of intermixed and

[4] Continued

segregated layers of:

Quartz; 15-18%, anhedral (.05 to 0.4 mm). Irregular interlocking. Some intermixing with other components but conspicuous in segregated laminae, lensoids.

Pyroxene (diopside/hedenbergite(?); 22-25%, anhedral, (<.05 to >0.5 mm). Irregular interlocking crystals, some intermixing with other components, particularly wollastonite(?) but tends to occur in segregated laminae of irregular aggregates. Weak dusted appearance. [Most optical properties indicate pyroxene, 2V-45° (+), 2nd order birefringence. Refringence appears low for pyroxene?. Has angular extinction].

Wollastonite(?); 35-40%, subhedral/anhedral (<.05 to >2.0 mm). Bladed/acicular, Appears to be intermixed with diopside. Segregated by crystal size. Radiating/foliated. [Birefringence first order yellow. Biaxial (-) with low 2V-30°. Too low for tremolite. Sillimanite is biaxial (+)] Requires confirmation by X-ray diffraction analysis.

Tremolite; suspected, not confirmed. All interference figures checked gave too low 2V for tremolite. Otherwise similar to wollastonite..

Feldspathic(?) metasedimentary laminae; 12-15%, anhedral (microgranular to <.05 mm). Irregular interlocking feldspathic granules. Flecked with fine clusters of microcrystalline epidote. As thin layers/laminae among other major components.

Epidote; 2-3%, anhedral (<.05 to 0.3 mm). Scattered coarser grains intermixed with other components. Forms conspicuous laminae of very fine interlocking grains. Also occurs in cross cutting microveinlets.

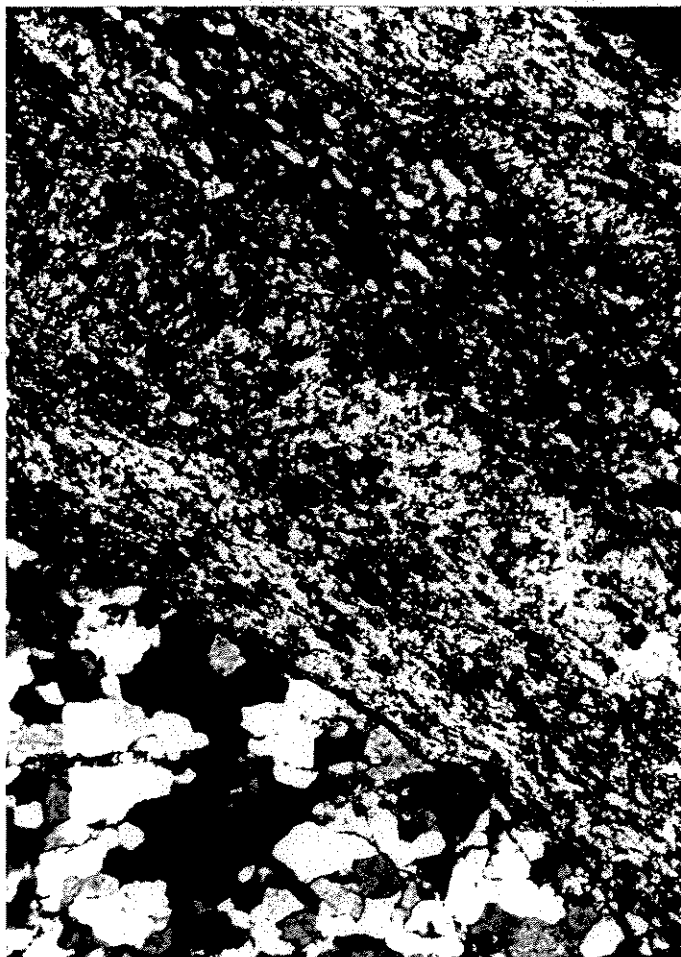
Carbonate (dolomite?); 2-3%, anhedral (<.05 to 0.4 mm). Scattered grains/clusters intermixed with other components. Irregular grains and radiating acicular clusters (pseudomorphs) Also forms cross-cutting microveinlets. Weak effervescence with cold H CL suggest dolomite stronger effervescence when heated.

Scheelite; traces?, suspected, not positively identified in thin section. A few flecks of bright blue-white fluorescence under ultra violet light. Requires geochemical analysis for tungsten.

BEST ATTAINABLE
IMAGE

[5] 642 B

Laminated/brecciated quartz and sericitic metasediments



Photomicrographs 94 R XXIII-9 and 10

Polarized light

Scale 0.1 mm —

Summary description

Composed of fragments of foliated/laminated microcrystalline/very fine sericitic feldspathic metasediments. Stained slab indicates plagioclase-rich laminae interlaminated with K-stained partings /lensoids. K-stain also shows some crackle fracture control. Disseminated minute biotite laths. Conspicuous very fine-grained quartz laminae, lensoids.

Brecciated, with coarser quartz veins and breccia void infilling. Subsequent refracturing results in granulation with carbonate infilling of microfractures.

Very minor fracture controlled pyroxene, carbonate chlorite.

Disseminated opaque, minute laths and irregular grains in

[5] Continued

feldspathic component.

No conspicuous fluorescence on fresh cut surfaces. Patches of fluorescence specimen surfaces.

Microscopic description

Laminated, brecciated. Laminae result from segregation of feldspathic layers enriched in plagioclase or K-feldspar(?) or sericite and quartz. Brecciated, healed by quartz.

Laminae

Feldspathic layers

Plagioclase; 18-20%, anhedral (microgranular to <.05 mm).

Laminated/foliated by slight differences in average grain-size.

K-feldspar; 8-10%, anhedral (microgranular to <.05 mm).

Conspicuous K-stain in stained slab. Not distinguishable from plagioclase in thin section. Laminated/foliated.

Stained slab also suggests some crackle fracture control???

Sericite; 15-18%, anhedral (microcrystalline to <.05 mm). Occurs as laminae, diffuse lensoids in feldspathic material.

Varied intensity of alteration of feldspathic layers.

Quartz; 35-40%, anhedral (<.05 to >2.0 mm)

[a] Laminae/lensoids; aggregates of finer irregular interlocking grains within and between feldspathic layers.

[b] Breccia void infilling/veins, aggregates of coarser interlocking grains.

Accessory minerals

Pyroxene; 2-3%, anhedral (<.05 to 0.5 mm). Scattered irregular grains, clusters of several grains, suggestion of crackle fracture control. associated with rutile/sphene, chlorite. {Biaxial (+), 2V-50°, confirms pyroxene}

Biotite; 1-2%, anhedral (<.05 to 0.1 mm). Disseminated foliated grains, clusters of foliated grains in feldspathic laminae.

Rutile/sphene; 0.5%, anhedral/subhedral (.05 to 0.5 mm). Single grains, clusters of grains. Associated with pyroxene, chlorite, small dislocated fragments of altered metasedimentary (argillaceous) material.

Muscovite; traces(+), anhedral (<.05 to 0.2 mm). Conspicuous irregular cluster with "bleached" halo in feldspathic layer.

Chlorite; traces(+), anhedral (<.05 to 0.1 mm). Scattered clusters, fracture controlled with pyroxene, rutile, carbonate.

[5] Continued

Undetermined; traces(+), anhedral/subhedral (<.05 to 0.1 mm).
Scattered loose clusters of prismatic crystals, pale
brownish pleochroism like altered biotite but maximum
absorption is parallel to analyzer direction as for
tourmaline.

Carbonate; <<0.5%, anhedral (<.05 to 0.2 mm), in late
microfractures and associated with pyroxene, chlorite.

Opaque; 0.5-1%, subhedral to anhedral (microcrystalline to 0.1
mm). Foliated laths, irregular grains, disseminated in
feldspathic laminae.

BEST ATTAINABLE
IMAGE

[6] 622

Brecciated silicified calc-silicate, mineralized



Photomicrographs 94 R XXIII-12 and 11 Plane & polarized light
Scale 0.1 mm —

Summary description

Composed of brecciated masses of interlocking quartz streaked along foliation and veined by mineralized calc-silicates. Calc-silicates include: Pyroxene (diopside/hedenbergite?) and epidote, minor carbonate, chlorite.

Pyroxene altered to carbonate, lesser chlorite

Very minor carbonate in fractures.

Mineralized by sphalerite, pyrite, chalcopryite, galena. Few grains suspected ilmenite.

No conspicuous fluorescence in cut surfaces. Some fluorescence on sample surfaces, fracture surfaces.

[6] Continued

Microscopic description

Groundmass

Quartz; 65-70%, anhedral (<.05 to >1.0 mm). Interlocking crystals, irregular interlocking with elongate grains foliated, locally brecciated, crushed.

Foliated partings/veins

Pyroxene; 18-20%, anhedral/subhedral (<.05 to >2.0 mm) (Diopside/hedenbergite?) Prismatic habit, interlocking felted masses intermixed with epidote clusters. Forms streaks of aggregates of grains in foliation plane, with wider irregular diffuse veins crossing foliation. [Biaxial (+) 2V-50° but with birefringence generally lower than for diopside].

Epidote; 3-5%, euhedral/anhedral (<.05 to >0.2 mm) Loose and compact clusters of irregular grains among pyroxene. [Conspicuous patchy yellow pleochroism, high birefringence with anomalous low order colours.].

Carbonate; 3-5%, anhedral (microcrystalline to 0.5 mm). As scattered coarser irregular grains. Commonly dusted fibrous habit pseudomorphous after pyroxene (??), associated with chlorite, partial masking by iron-stain. Also as irregular microveinlets.

Tremolite(?); suspected. Crystals with acicular habit may be tremolite. High birefringence, angular extinction.

Chlorite; 0.5-1%, anhedral (microcrystalline) Diffuse irregular clusters associated with carbonate pseudomorphous after pyroxene(??)

Reflected light

Opakes/semiopakes

Sphalerite; 2-3%, anhedral (<.01 to >4.0 mm). As irregular masses, clusters in pyroxene. Contains numerous small inclusions of chalcopyrite and galena. Weak sieve texture carbonate, quartz inclusions.

Chalcopyrite; 0.5%, anhedral (<.01 to 0.3 mm). Scattered irregular grains with other sulphides in pyroxene. Conspicuous minute blebs and small clots in sphalerite.

Galena; 0.5%, anhedral (<.01 to 0.2 mm). As for chalcopyrite.

Pyrite; <0.5%, subhedral/anhedral (<.05 to 0.8 mm). Few scattered grains in quartz, loose clusters in pyroxene.

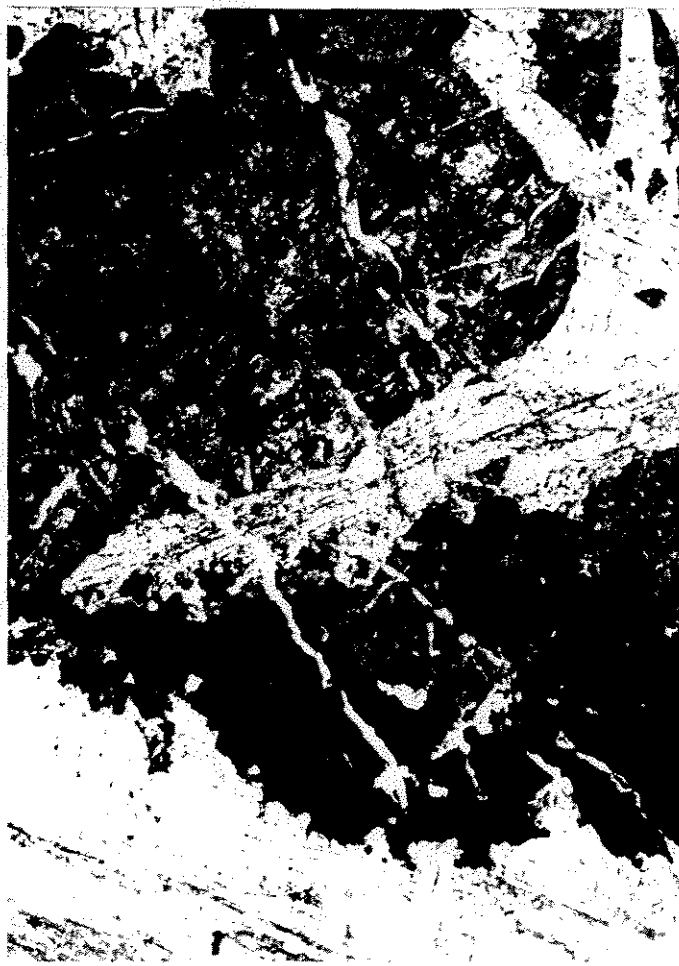
Ilmenite(?); a few very small grains suspected quartz.

Undetermined; opaque, nonreflective "grunge" surrounds some sulphides and in crackle fractures.

[7] 628

Calc-silicate; brecciated, mineralized

BEST ATTAINABLE
IMAGE



Photomicrographs 94 R XXIII-13 and 15 Polarized and plane light
Scale 0.1 mm _____

Summary description

Largely a replacement fabric of calc-silicates by carbonate and lesser chlorite. Brecciated and infilled by later carbonate.

Composed of irregular masses of interlocking carbonate of wide range of grain sizes, generally microcrystalline to very fine interlocking crystals scattered coarser recrystallized crystals. Calcite component effervesces in cold HCl.

Irregularly intermixed with segregations of very fine interlocking sericite(?), chlorite, minor diffuse masses of quartz with anhedral crystalline and plumose habit(?)

Garnet, fractured crystal remnants. Single crystals and clusters. Varied intensity to complete replacement by chlorite

[7] Continued

and ultimately carbonate. No conspicuous garnet noted in cut surfaces of rejects. Epidote suspected in cut sample rejects, pistachio green colour.

Mineralized by pyrrhotite, sphalerite, galena, pyrite/marcasite. Scattered diffuse clusters of chalcopyrite noted in cut sample rejects.

No fluorescence in polished thin section but there are numerous small grains in diffuse patches with bright blue-white fluorescence on cut sample surfaces. Should be assayed for Wo.

Microscopic description

Carbonate; 50-55%, anhedral (microcrystalline to several mm)

[a] Dusted, microcrystalline replacement of (?). Long plumose masses in optical continuity in foliated and felted arrangement.

[b] Recrystallized, coarse crystals, breccia void infilling.

Altered garnet; 15-18%, subhedral/euhedral (0.2 to >2.0? mm).

Single crystals clusters of crystals in irregular patches zones. Isotropic with anisotropic zones. Crackled with carbonate infilling. Varied intensity replacement to near complete by chlorite, veined by carbonate.

Sericite(?); 3-5(?)%, anhedral (microcrystalline to 0.2 mm).

Irregular to diffuse clusters of grains, with chlorite. Masked by carbonate. Suspected because of very fine fibrous nature. Requires X-ray diffraction or microprobe analysis for confirmation.

Chlorite; 3-5%, anhedral (microcrystalline to <0.1 mm).

Irregular felted masses intricately intermixed with carbonate. Some masses have outlines suggesting replacement of garnet(?) with lattice-like structures and microveinlets of carbonate.

Quartz; 5-6%, anhedral (<.05 to 0.6 mm).

[a] Diffuse clusters, partial dusting. Intermixed with carbonate [b] [Confirmed uniaxial (+)].

[b] Undetermined, (plumose quartz?). Plumose; interlocking, diffuse foliated patches intricate intergrowths with carbonate [b]. Cut by carbonate veinlets. [Very poor uniaxial (+) interference figure].

Scheelite; not noted in this section. Cut surfaces of rejects show diffuse clusters of minute grains giving bright blue-white fluorescence. Sample should be analyzed for Wo.

[7] Continued

Reflected light

Pyrrhotite; 3-4%, anhedral/subhedral (<.01 to >1.0 mm) Single grains, clusters of grains (to >1.0 mm); also commonly rims irregular clusters of sphalerite and galena. Some fracture control. Alteration to pyrite/marcasite varied intensity from affecting margins and fracture/crystal boundaries to total replacement.

Galena; 3-4%, anhedral (<.01 to >1.0 mm). As irregular grains, clusters of grains, close association with sphalerite. Some fracture control. Minute grains in sphalerite. Commonly with sphalerite in pyrrhotite showing partial alteration to pyrite/marcasite.

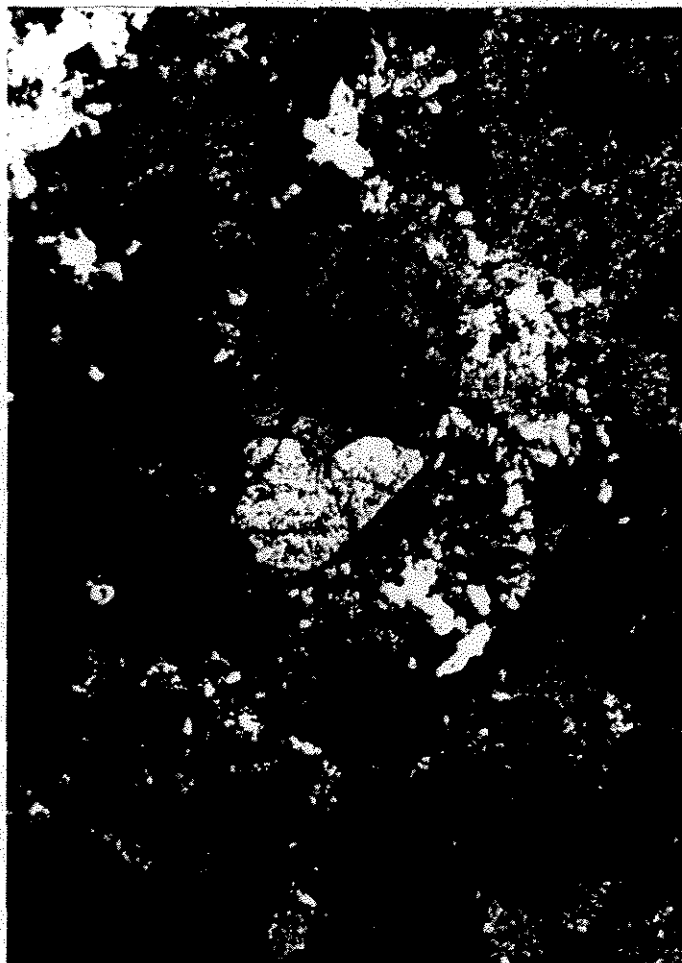
Pyrite/marcasite; 3-4% anhedral/subhedral (<.01 to .05 mm). Commonly aggregates of very small grains rimming, in fractures, and at crystal boundaries in pyrrhotite.

Sphalerite; 5-6%, anhedral/subhedral (<.01 to >1.0 mm). As irregular grains, clusters of grains (to >1.0 mm). Close association/intergrowths with galena. With galena in pyrrhotite. Some fracture control.

Chalcopyrite; noted in cut surfaces of sample rejects. Very patchy distribution.

[8] 630

Mineralized skarn/calc-silicate. Scheelite and sulphide-bearing



Photomicrographs 94 R XXIII-17 and 19 Polarized & reflected lgt
Scale 0.1 mm —

Summary description

Gangue predominantly carbonate (dolomite/calcite), lesser quartz, chlorite, intermixed and as irregular to diffuse segregations. Veined by quartz, later carbonate.

Mineralized by disseminated euhedral grains, loose clusters of grains of scheelite, and by abundant to submassive sulphides. Sulphides are interstitial to and replace gangue, and include pyrite, lesser pyrrhotite which is largely altered to pyrite > marcasite; and by sphalerite, chalcopyrite, galena, covellite.

Fracture surfaces coated with white, variously iron stained material that gives varied fluorescence from yellow-green to red orange to brilliant blue white (zinc(?)). Cut surfaces and the polished thin section surface show disseminated grains, loose

[8] Continued

clusters of grains with brilliant blue-white fluorescence which correspond to scheelite grains noted in the polished thin section.

Microscopic description

Transmitted light

Gangue

Carbonate; 28-30%, anhedral (microcrystalline to 1.0 mm)

[a] In diffuse masses of microcrystalline crystals, brownish tint, dusted appearance. Dolomite.

[b] Later coarser clear crystals, recrystallized clusters, also as later veinlets cutting quartz, chlorite. Dolomitic calcite.

Quartz; 6-8%, anhedral (<.05 to >0.6 mm). Diffuse impregnations associated with sulphides in carbonate [a]. Also as disrupted veins of coarser crystals cut by carbonate [b].

Chlorite(?); 18-20%, anhedral (microcrystalline to 0.1 mm). Pale greenish brown tint. Composed of aggregates of very fine subfibrous/bladed crystals forming irregular felted masses. Intermixed with and cut by carbonate.

Veined by carbonate and quartz as indicated above.

Mineralization

Transmitted light

Scheelite; 0.5%, euhedral/subhedral (<.01 to 0.5 mm).

Disseminated grains loose clusters of a few grains.

Characteristic bright blue-white fluorescence but requires assay for confirmation. [Uniaxial (+), high refringence, low birefringence].

Reflected light

Pyrite; 18-20%, anhedral/euhedral (<.01 to several mm).

Disseminated grains irregular clusters of grains with no obvious relationship to altered pyrrhotite. Forms irregular interstitial and replacement clusters (to several mm). Intergrowths with sphalerite, chalcopyrite, galena.

Sphalerite; 10-12%, anhedral (<.01 to >2.0 mm). Disseminated irregular grains, clusters of grains (to several mm). Interstitial to and replaces gangue. Contains minute blebs and microveinlets of chalcopyrite. Intergrowths with coarser chalcopyrite, galena, pyrite.

Chalcopyrite; 6-8%, anhedral (<.01 to masses several mm).

Disseminated grains, irregular masses of grains, loosely connected and diffuse clusters of grains interstitial to and

[8] Continued

replaces gangue (quartz, carbonate, chlorite). Also as minute blebs and microveinlets in sphalerite. Some obvious fracture control.

Galena; 4-5%, anhedral (<.01 to >2.0 mm). Irregular grains, masses (to >2.0 mm), interstitial to and replaces gangue, some fracture control. Intergrowths with sphalerite, chalcopyrite, pyrite.

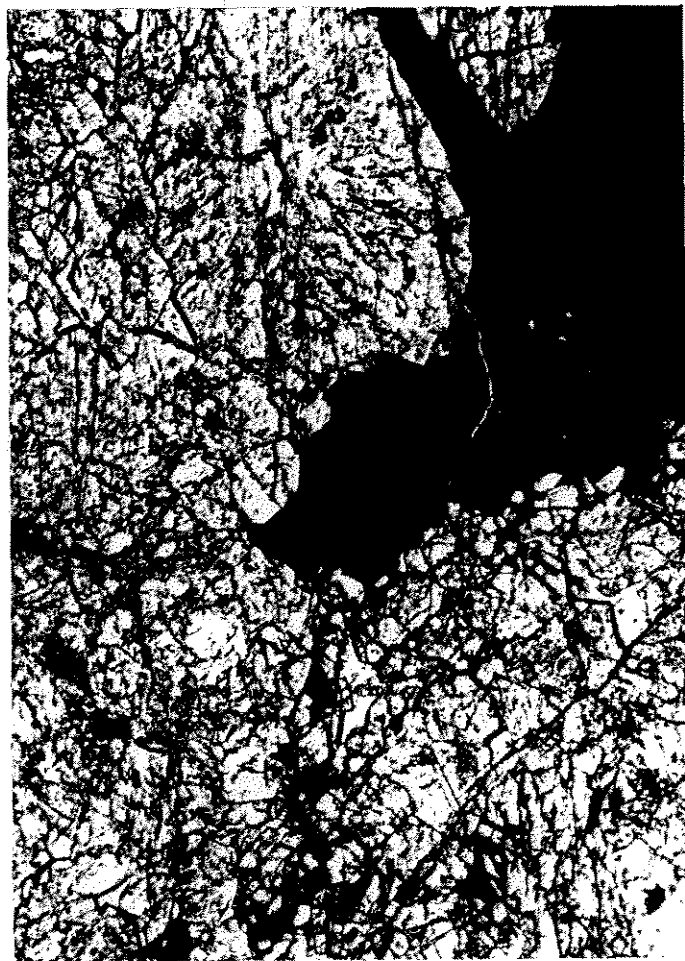
Pyrrhotite (pyrite/marcasite); 2-3%, subhedral/anhedral (<.01 to >1.0 mm). Disseminated irregular elongate grains, clusters of grains interstitial to carbonate [a]. Scattered larger diffuse masses filigree/sieve texture intergrowths of pyrite/marcasite mix probably alteration of pyrrhotite. Some obvious fracture control.

Covellite; traces (+), anhedral (microcrystalline to <.05 mm). Disseminated minute grains, clusters, altered margins of chalcopyrite.

[9] 642

Diopside calc-silicate/skarn

BEST ATTAINABLE
IMAGE



Photomicrographs 94 R XXIII-22 and 23 Plane & polarized light
Scale 0.1 mm _____

Summary description

Composed largely of interlocking pyroxene (hedenbergite > diopside?) crystals which have a wide size-range but occur in clusters of similar grain-size. Minor interstitial epidote in irregular clusters. Few crystals, clusters of crystals interstitial to pyroxene. Traces of interstitial quartz.

Mineralized by galena, sphalerite, interstitial to pyroxene, with galena also in microfractures. Traces (+) chalcopryite, galena, lesser pyrite as minute grains in sphalerite.

Few fluorescent blue-white flecks on cut surfaces of sample rejects. Requires geochemical analysis for Wo.

[9] Continued

Microscopic description: Section thick

Pyroxene (diopside/hedenbergite); 80-85%, subhedral/anhedral (<.05 to 3.0 mm). Occurs in segregated clusters of grains of similar grain-size. Crushed. Probably hedenbergite > diopside.
[Biaxial (+), 2V-60°; generally low birefringence suggests hedenbergite, mixed higher birefringence possibly diopside].

Epidote; 6-8%, anhedral (<0.05 to 0.2 mm) Interstitial grains, clusters of smaller grains among diopside groundmass.
[Epidote conspicuous because of pale yellow pleochroism and brighter/anomalous birefringence]

Scheelite; suspected. One grain in polished thin section gives blue-white fluorescence. Scattered fluorescent grains on cut sample reject surfaces. Requires geochemical analysis for Wo.

Garnet(?); 0.5%, anhedral/subhedral (<0.5 to >1.0 mm). Single grains, clusters of a few grains, interstitial to pyroxene. Zoned. Mottled colourless and pale yellow, similar to epidote {Isotropic with few anisotropic zones. No interference figure; no pleochroism, high (+) R.I.}

Quartz; traces (+), anhedral, (0.2 to 0.4 mm). Interstitial to pyroxene, clusters of a few anhedral grains. Colourless, featureless. {Uniaxial (+), low relief}

Carbonate; traces, anhedral, (0.2 mm), interstitial to pyroxene.

Reflected light

Galena; 5-7%, anhedral (<.01 to >1.0 mm). Scattered interstitial grains, clusters of grains, some intergrowths with sphalerite. Shows some microfracture control. Few minute blebs in sphalerite, otherwise appears interstitial to sphalerite.

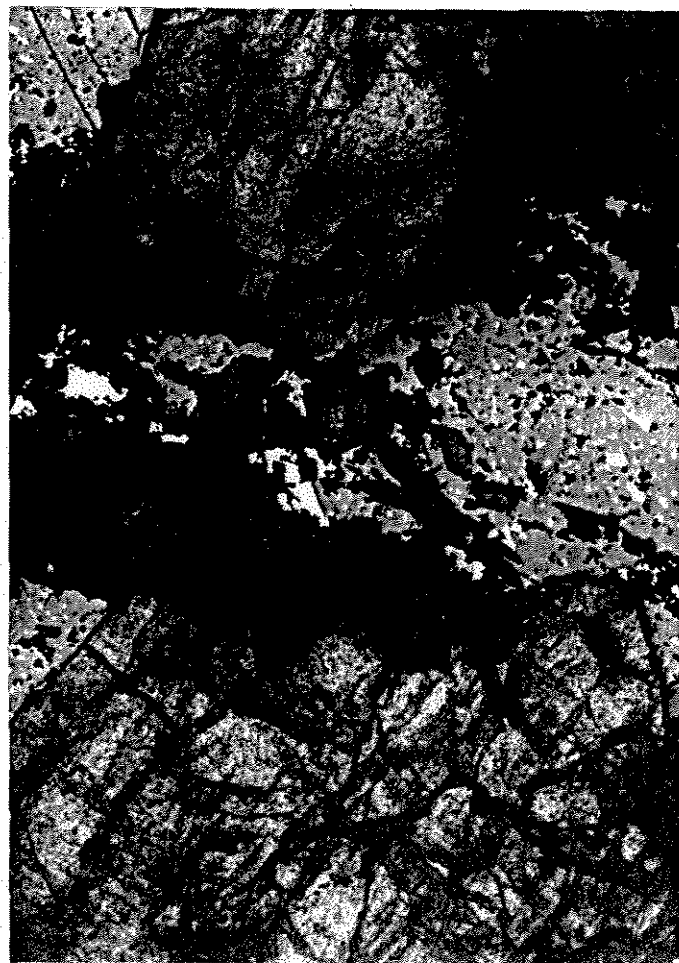
Sphalerite; 3-4%, anhedral (<.01 to >2.0 mm). Scattered interstitial grains, clusters of grains, some intergrowths with galena. Few grains contain chalcopyrite inclusions.

Chalcopyrite; traces (+), (<.01 to .02 mm). Few minute blebs in some sphalerite grains.

Pyrite; traces(+), (<.01 to .02 mm). Few minute grains in sphalerite as for chalcopyrite.

[10] 644

Epidote skarn/calc-silicate mineralized by scheelite, near-massive sulphides.



Photomicrographs 94 R XXIII-24 and 25 Plane and reflected light
Scale 0.1 mm —

Summary description

Section very thick. some minerals unidentified. Composed mainly of interlocking epidote crystals/grains. Yellow pleochroism conspicuous because section is thick. Patches of bright green interstitial unidentified micaceous? mineral.

Traversed by minor diffuse discontinuous wispy partings of chlorite(?). Birefringence affected by thickness of section.

Disseminated euhedral crystals of scheelite(?) [Birefringence appears too high because of thick section] Gives strong blue-white fluorescence!!!

Near massive sulphides include sphalerite, chalcopyrite, galena, pyrite.

[10] Continued

Microscopic description: Section far too thick for positive identification of some minerals.

Groundmass gangue

Epidote; 40-45%, euhedral/subhedral (<.05 to 0.5 mm, scattered to >2.0 mm). Few compact masses/layers of generally fine interlocking crystals with lesser intermixed interstitial green micaceous(???) grains. Most abundantly disseminated locally forming a sieve texture of euhedral crystals in near massive sulphides. Masked locally by iron-stain. [Thick section results in the conspicuous characteristic mottled yellow pleochroism].

Undetermined "A"; 6-8%, anhedral (<.05 to 0.1 mm). Thick section results in a mottled bright green/colourless appearance. Interstitial to epidote, plumose habit. [R.I. much lower than epidote. Birefringence far too high as a result of thick section but similar to that of epidote. Too high for chlorite].

Shear planes

Undetermined "B" (chlorite and ?); 2-3%, anhedral (microcrystalline to 0.2 mm). Foliated/felted, fibrous/bladed mineral. Mottled brownish green colour, masked by iron-stain. Shear related mineral. [Birefringence low relative to epidote].

Scheelite; 2-3%, euhedral/subhedral (<0.5 to 2.0 mm). Disseminated crystals with regular outlines, loose clusters of a few crystals, disseminated in epidote-rich groundmass. Patchy linear distribution. [Section thick, produces anomalous birefringence but R.I. high (+), uniaxial (+) interference figure and brilliant blue white fluorescence which are consistent with scheelite.]

Reflected light Sulphides appear to be interstitial to scheelite.

Sphalerite; 20-22%, anhedral (<.01 mm to masses > 1.0 cm). Very irregular outlines. Contains abundant minute blebs, microfractures filled with chalcopyrite. Greater tendency to form larger clots than chalcopyrite. Intergrown with chalcopyrite, galena.

Galena; 6-8%, anhedral (<.01 to >2.0 mm). Disseminated grains, extremely irregular clusters, shows some fracture control. Intergrown with sphalerite, chalcopyrite.

Chalcopyrite; 12-15%, anhedral (<.01 to >2.0 mm).
[a] Irregular masses, interstitial to euhedral epidote. intergrown with sphalerite and galena. Patchy distribution.
[b] Minute blebs and microveinlets in sphalerite.

[10] Continued

Pyrite; 2-3%, euhedral (<.01 to .05 mm). Localized as fracture/shear controlled beaded encrustations, framboidal clusters, shrinkage crackling?? Derived from marcasite.

APPENDIX C
GEOCHEMICAL DATA

ROCK SAMPLE DESCRIPTIONS

Sample	Location	Description
621	Trench 8	Continuous chip sample across 1.0 m true thickness of outcropping quartz-rich hanging wall portion skarn band in phyllite. Contains disseminated ZnS, minor PbS, FeS ₂ , CuFeS ₂ ?
622	Trench 8	Continuous chip sample across 0.5 m true thickness of outcropping diopside-quartz skarn band underlying 621 sample section. Contains disseminated ZnS, minor PbS, FeS ₂ , CuFeS ₂ ?
623	Trench 8	Continuous chip sample across 0.75 m true thickness of outcropping wollastonite-quartz skarn band underlying sample section 622. Trace sulphides.
624		Chip sample of outcrop of unaltered quartz monzonite exposed 0.8 km east of the Skarn zone.
625		Chip sample of quartz veinlets exposed in outcrop of phyllite in creek 0.4 km east of Skarn zone.
626		Chip sample of phyllite exposed at 625 sample site.
627	Trench 2	Continuous chip sample across 0.6 m true thickness of outcropping quartz-rich hanging wall of skarn band. Trace PbS and ZnS.
628	Trench 2	Continuous chip sample across 0.88 m true thickness of outcropping diopside-quartz skarn band underlying 627 sample section. Contains PbS, ZnS, FeS ₂ , CuFeS ₂
629	Trench 2	Continuous chip sample across 0.60 m true thickness of outcropping wollastonite?-quartz skarn band underlying sample section 628. Trace PbS & ZnS.
630	Trench 2	Continuous chip sample across 0.50 m true thickness of outcropping diopside-quartz skarn band. Note this sample section is across the same band as sample 628, but located 1 m southwest of that site.

Rock Sample Descriptions cont'd.

Sample	Location	Description
631	Trench 2	Continuous chip sample across 1.90 m of outcropping quartz-wollastonite?-rich band stratigraphically below sample 630 and separated from it by approximately 2 metres of phyllite.
632	Trench 2	Continuous chip sample across 1.50 m of outcropping quartz-wollastonite?-rich band underlying sample 631. Contains disseminated ZnS, PbS & CuFeS ₂
633	Trench 2	Continuous chip sample across 3.00 m of outcropping quartz-wollastonite?-rich band underlying sample 632.
634		Chip sample from float boulder of unaltered quartz monzonite found in a talus slope of similar material 2.2 km southeast of the Skarn zone.
635		Chip sample from outcrop of rusty weathering pyritic hornfelsed? phyllite in creek approximately 150 m northwest of 634.
636		Chip sample of nearly flat-lying 30 cm wide quartz vein on south side of creek by camp at 1140 m elevation.
638	Anomaly II	Chips of quartz vein float taken immediately up-slope from 9700N, 1950E, Lance claims.
639	Anomaly II	Chips of quartz vein float taken immediately up-slope from 9750N, 2000E, Lance claims.
642	Trench 1	Chips from PbS-ZnS-diopside bearing boulder in trench: provenance is presumably proximal.
643	Trench 1	Chips from PbS-ZnS-diopside bearing boulder in trench: provenance is presumably proximal.
644	Trench 1	Chips from large (0.75 m diam.) boulder of diopside-rich skarn containing ZnS-PbS-CuFeS ₂ . Boulder is located on edge of levelled area immediately north.

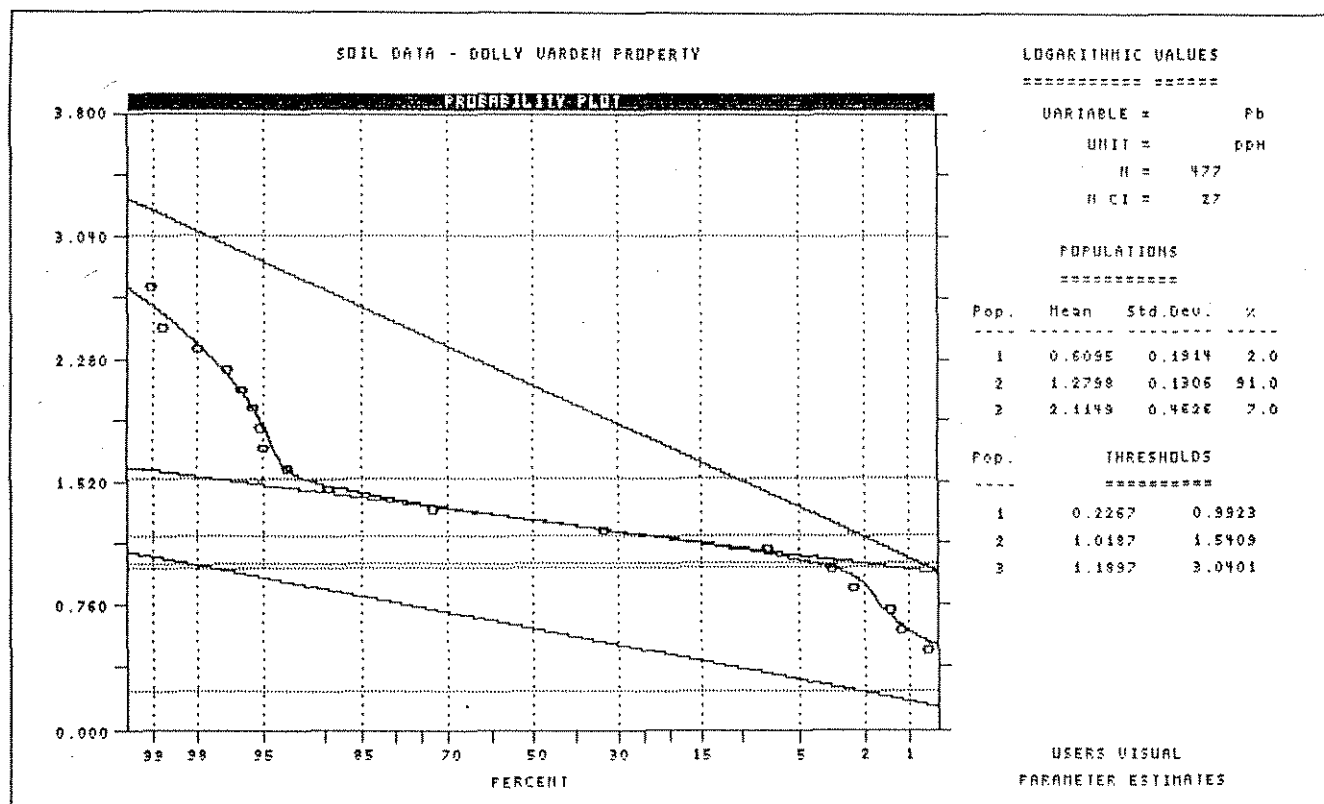
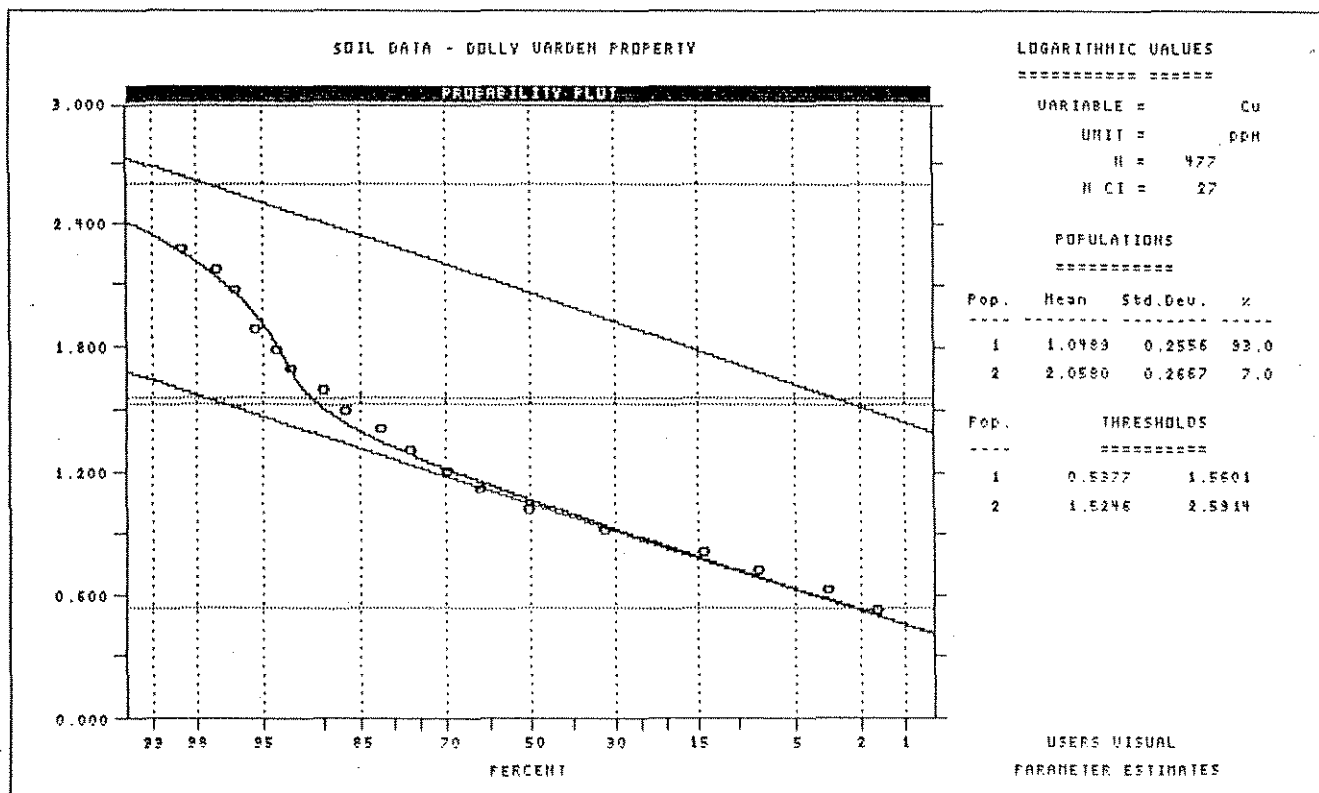


**Figure 4. Probability plots of Cu and Pb in soils
Dolly Varden grid.**

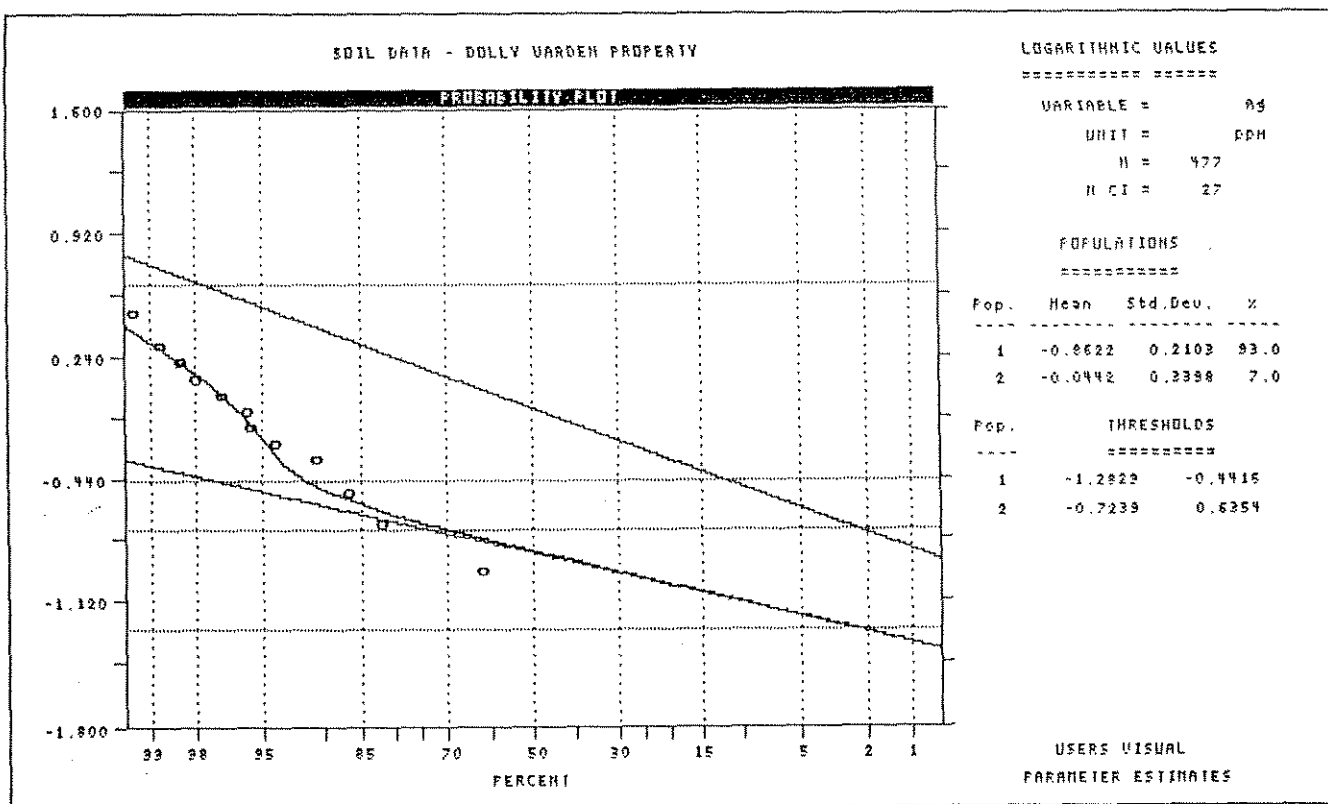
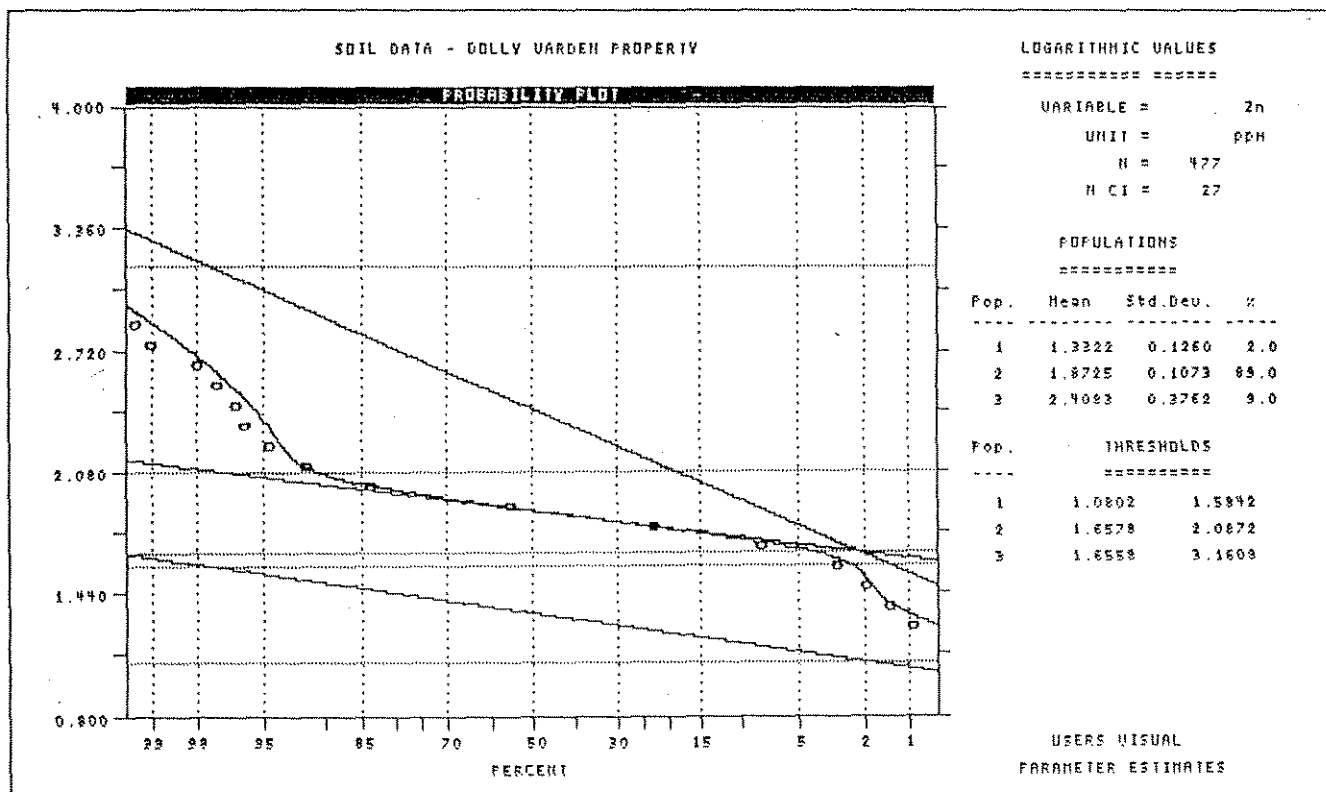


Figure 5. Probability plots of Zn and Ag in soils
Dolly Varden grid.

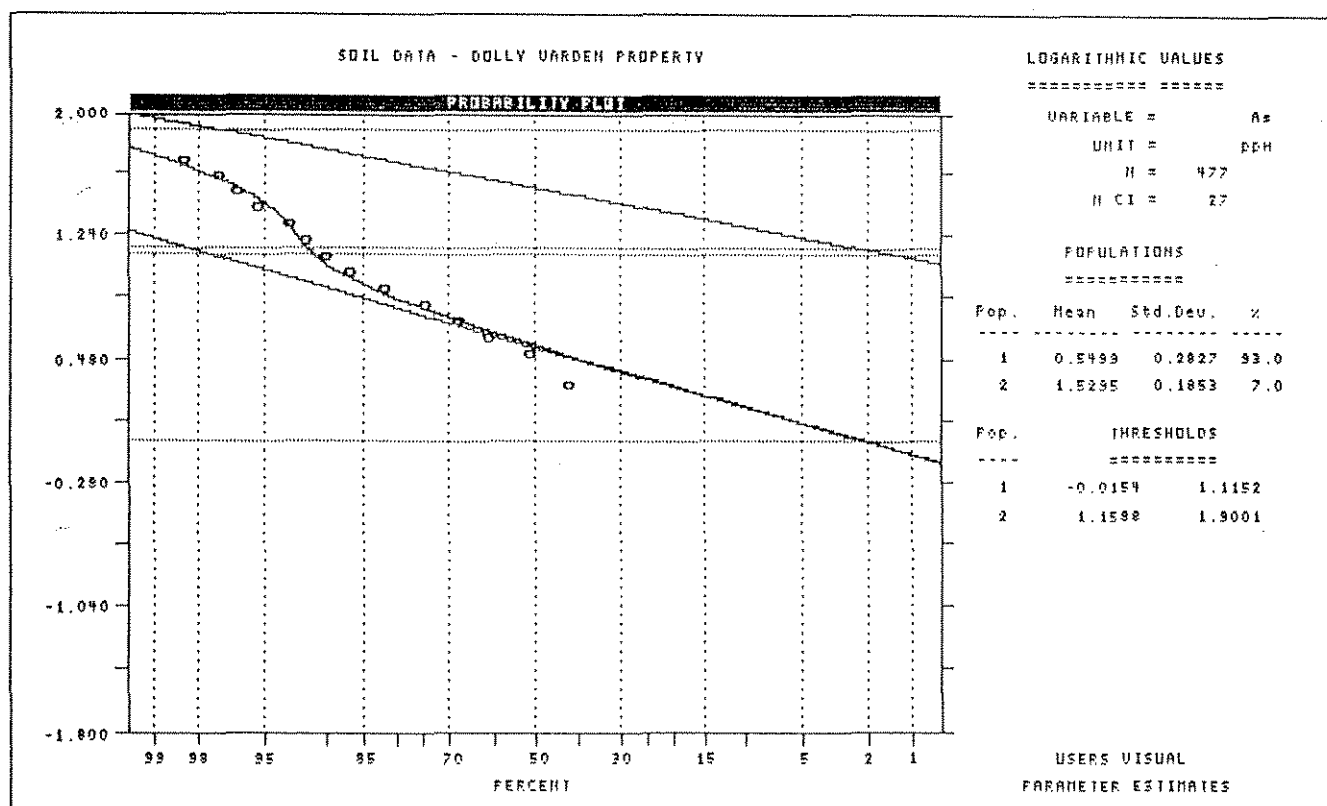
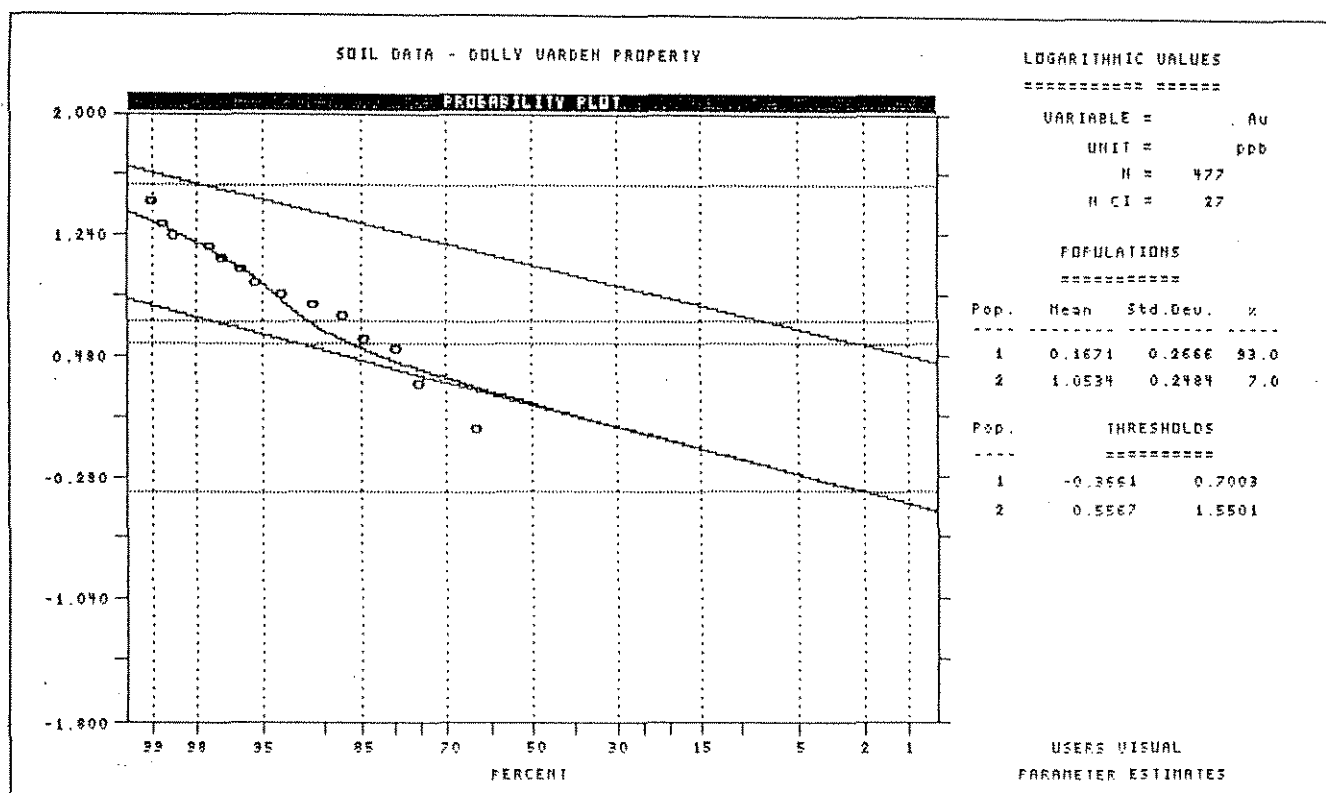
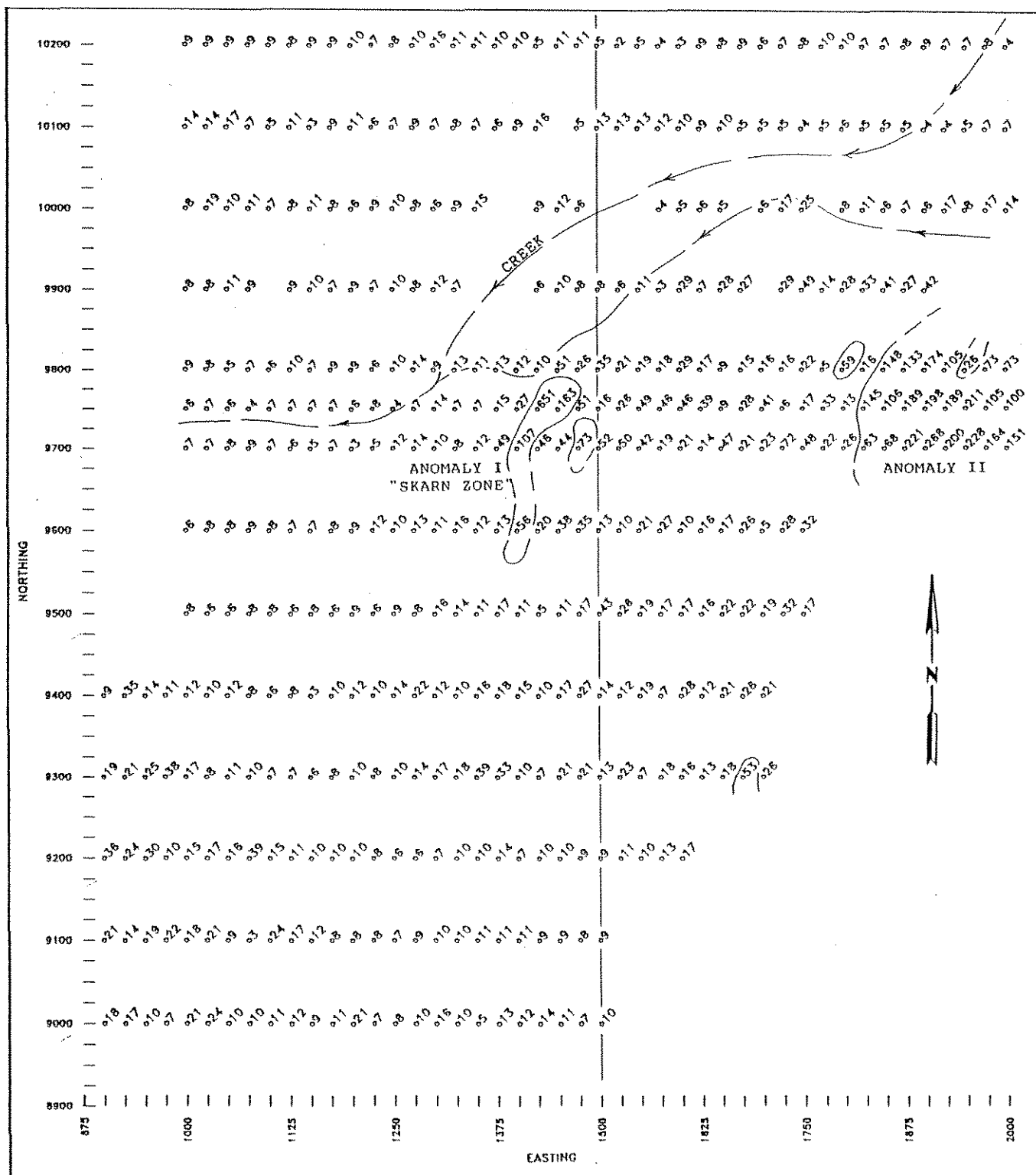


**Figure 6. Probability plots of Au and As in soils
Dolly Varden grid.**



53 Sample site with Cu values in ppm.

Background = >53 ppm

Anomalous = 53+ ppm

Contour at 53 ppm to minimize classification errors between background and anomalous populations.

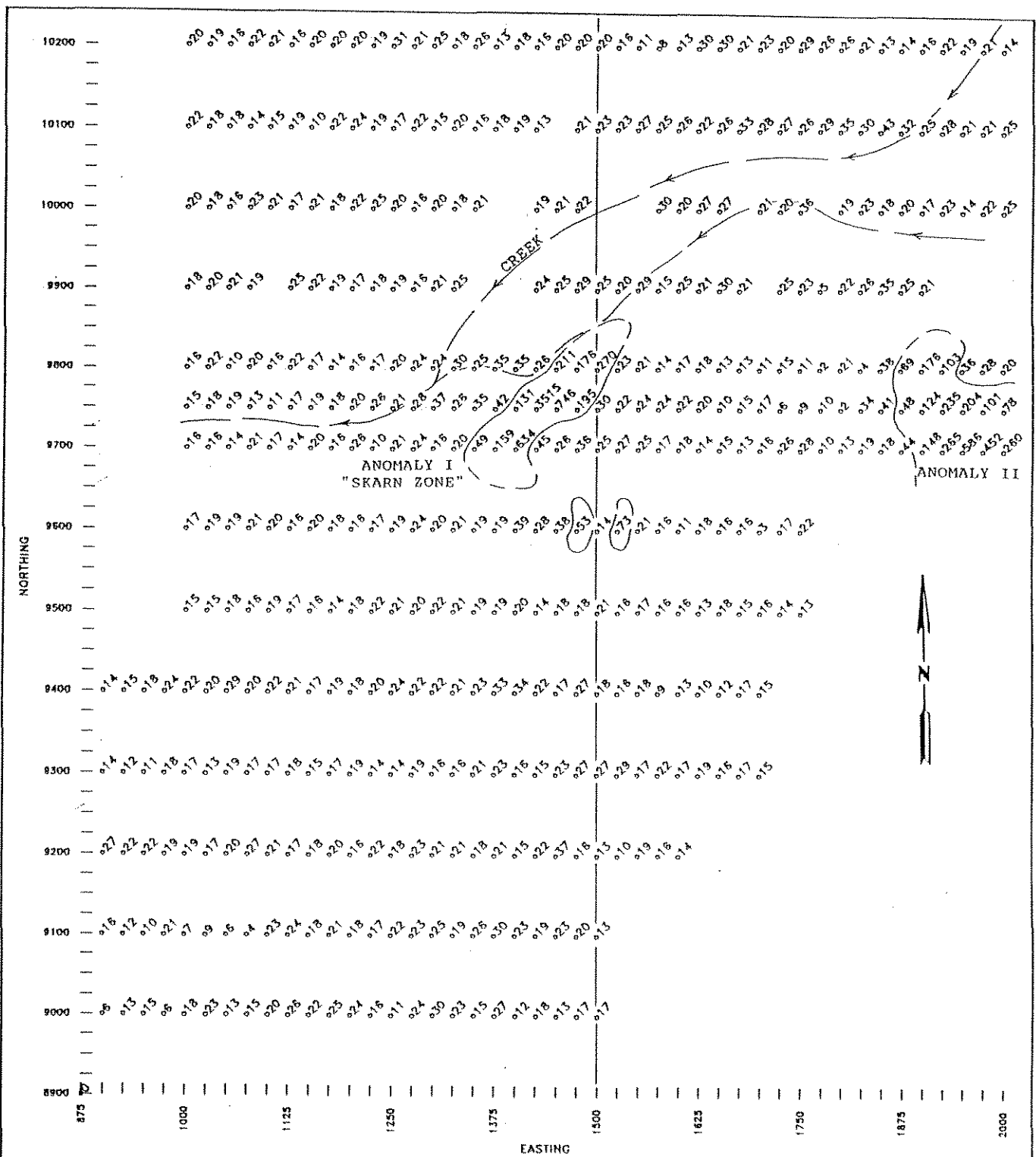
See Plate 1 for locations of gridlines with respect to topography.

Copper in Soils
Skarn Zone Grid, Lance claims
Dolly Varden Property

Scale in metres



Figure 7.



• Sample site with Pb values in ppm.

Background = >47 ppm

Anomalous = 47+ ppm

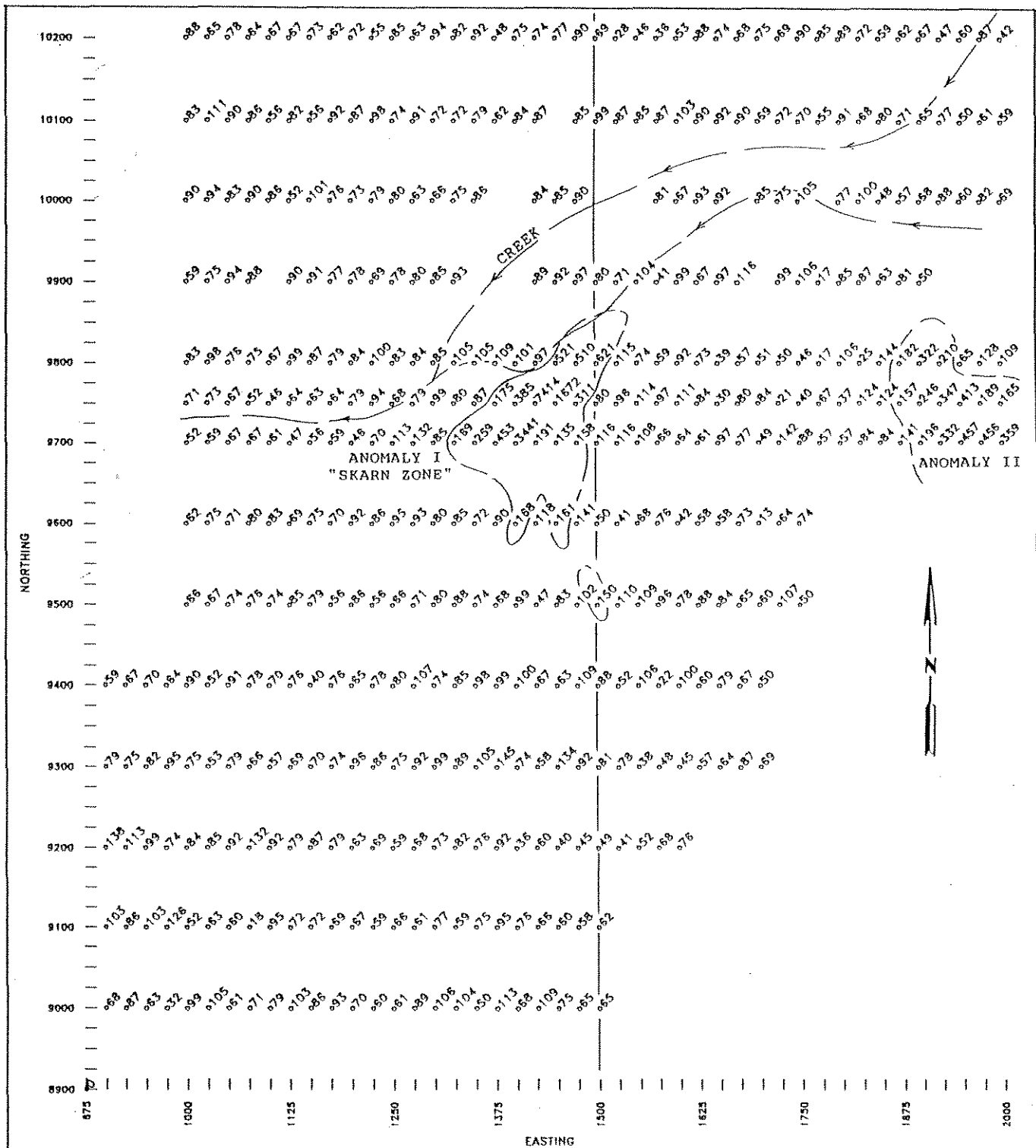
Contour at 47 ppm to minimize classification errors between background and anomalous populations.

See Plate 1 for locations of gridlines with respect to topography.

Lead in Soils
Skarn Zone Grid, Lance claims
Dolly Varden Property

Scale in metres
0 100 200

Figure 8.



Sample site with Zn values in ppm.

Background = >148 ppm

Anomalous = 148+ ppm

Contour at 148 ppm to minimize classification errors between background and anomalous populations.

See Plate 1 for locations of gridlines with respect to topography.

Zinc in Soils
Skarn Zone Grid, Lance claims
Dolly Varden Property

Scale in metres

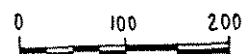
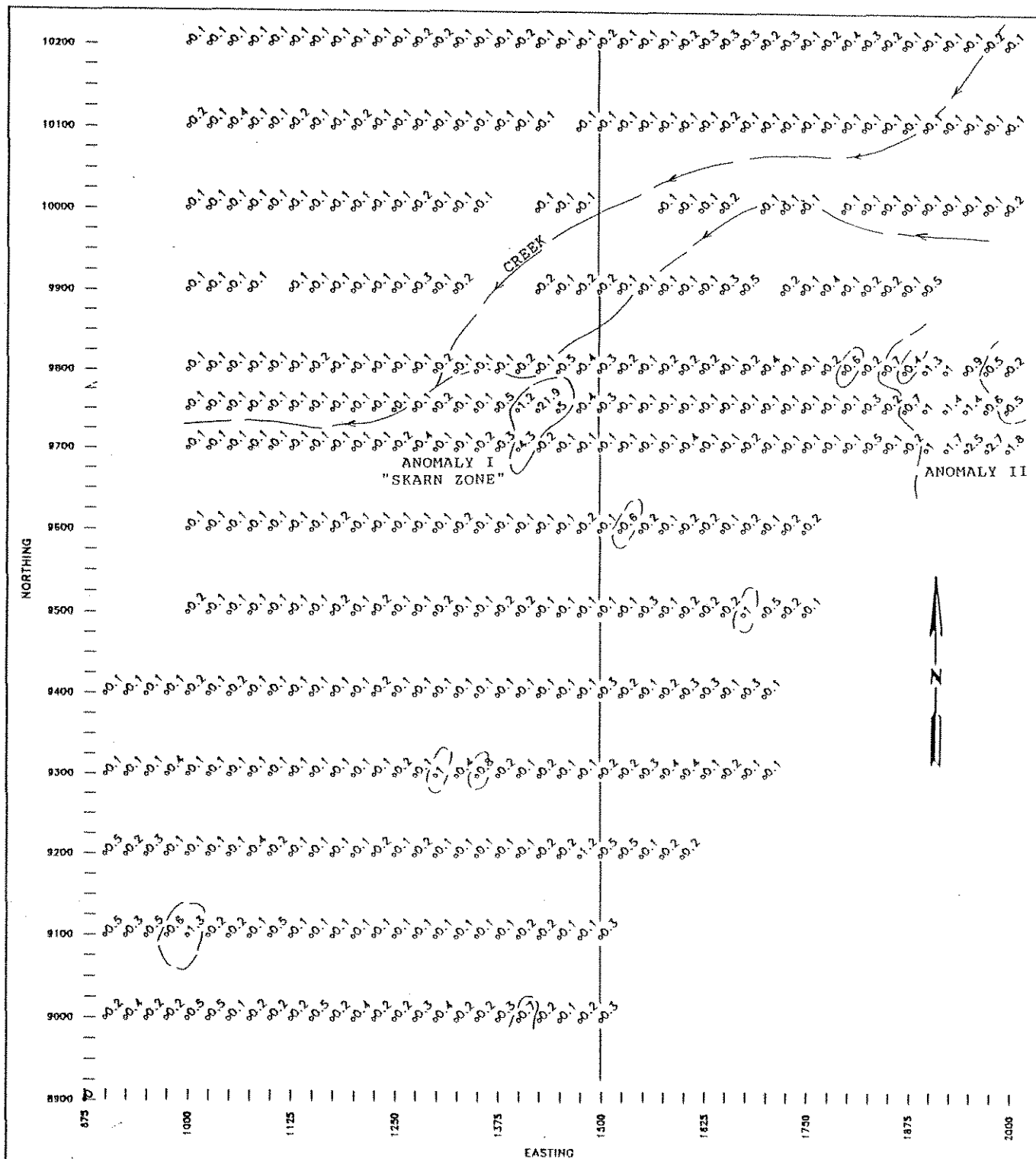


Figure 9.



● Sample site with Ag values in ppm.

Background = >0.6 ppm

Anomalous = $0.6+$ ppm

Contour at 0.6 ppm to minimize classification errors between background and anomalous populations.

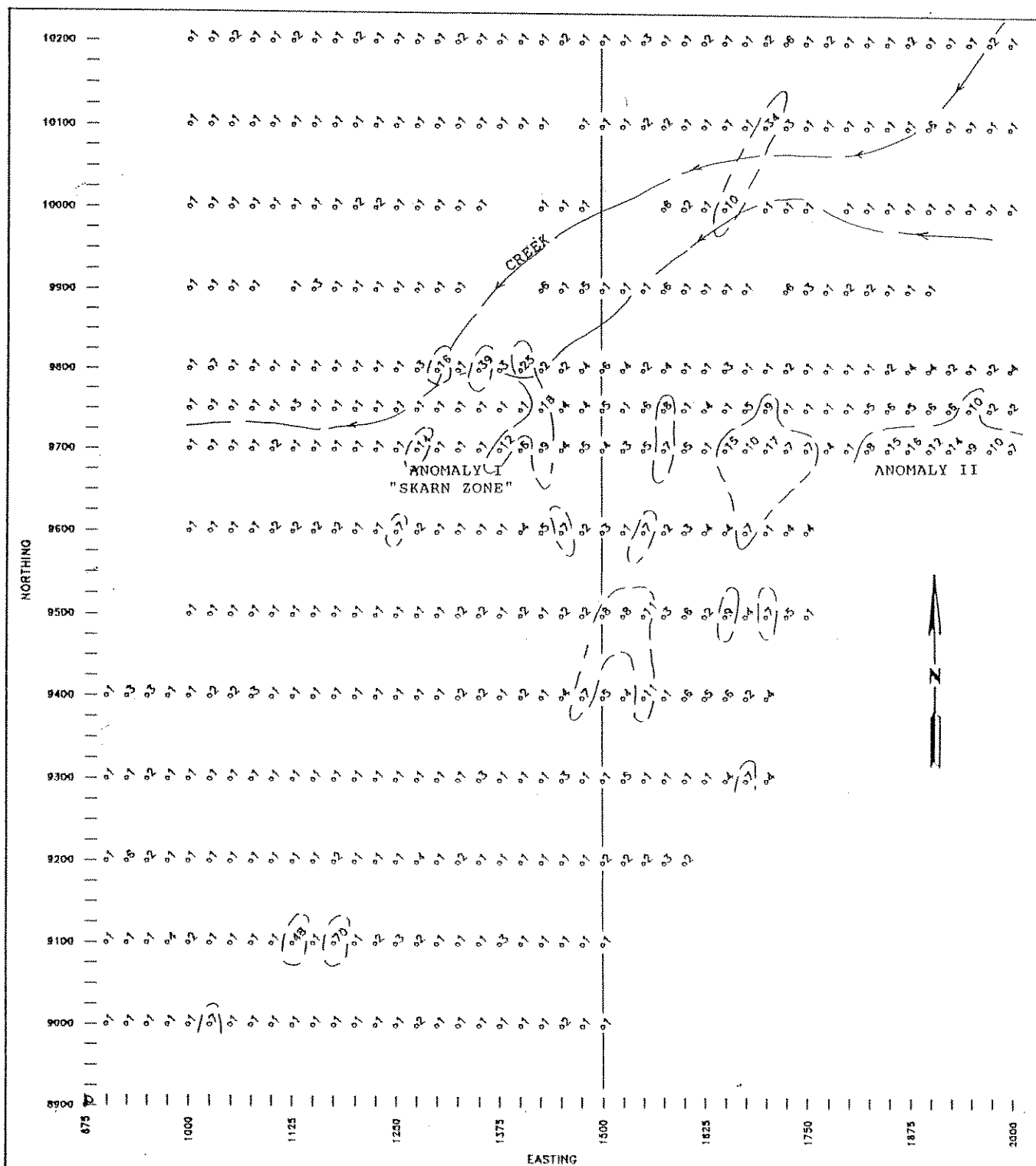
See Plate 1 for locations of gridlines with respect to topography.

Silver in Soils
Skarn Zone Grid, Lance claims
Dolly Varden Property

Scale in metres



Figure 10.



• Sample site with Au values in ppb.

Background = >7 ppb

Anomalous = 7+ ppb

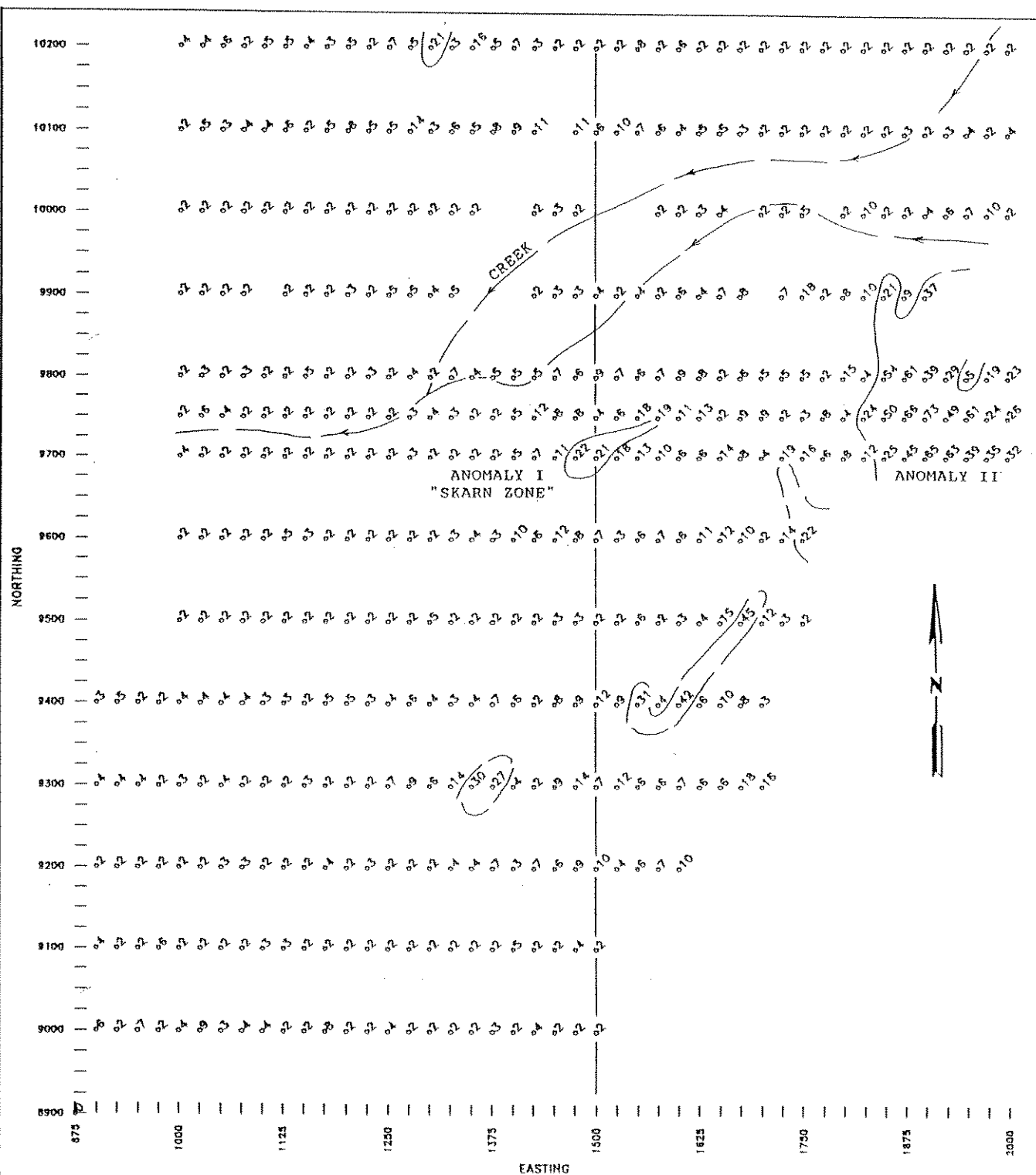
Contour at 7 ppb to minimize classification errors between background and anomalous populations.

See Plate 1 for locations of gridlines with respect to topography.

Gold in Soils
Skarn Zone Grid, Lance claims
Dolly Varden Property

Scale in metres
0 100 200

Figure 11.



○ Sample site with As values in ppm.

Background = >19 ppm

Anomalous = 19+ ppm

Contour at 19 ppm to minimize classification errors between background and anomalous populations.

See Plate 1 for locations of gridlines with respect to topography.

Arsenic in Soils

Skarn Zone Grid, Lance claims
Dolly Varden Property

Scale in metres
0 100 200

Figure 12.

GEOCHEMICAL ANALYSIS CERTIFICATE

SNOWDRIFT MINERALS INC.

Project: Dolly Varden

Report No. 9411096

Sample Type: Soils

Date: October 03, 1994

Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia, diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm.
 *Au Analysis- 10 gram sample is digested with aqua regia, MIBK extracted, graphite furnace AA finished to 1 ppb detection.

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %	
SOILS: SKARN ZONE																															
9000N 900E	18	6	68	0.3	0.2	1	6	2	2	1	1	270	3.40	0.01	24	16	7	28	6	2	11	33	35	2	0.06	1.53	0.01	0.04	0.43	0.040	
9000N 925E	17	13	87	0.3	0.4	1	2	2	2	1	1	585	3.04	0.03	20	22	13	27	5	2	23	23	63	2	0.30	1.77	0.01	0.08	0.52	0.041	
9000N 950E	10	15	63	0.2	0.2	1	7	2	2	1	1	198	1.42	0.02	9	13	5	18	5	2	22	15	63	2	0.26	1.22	0.02	0.07	0.23	0.030	
9000N 975E	7	6	32	0.2	0.2	1	2	2	2	1	1	102	0.85	0.02	4	6	3	14	5	2	7	8	29	2	0.06	0.61	0.02	0.04	0.11	0.021	
9000N 1000E	21	18	99	0.5	0.5	1	4	2	2	1	1	986	2.50	0.04	15	28	12	26	5	2	46	24	108	2	0.61	1.85	0.02	0.11	0.44	0.079	
9000N 1025E	24	23	105	0.3	0.5	7	9	2	2	1	1	676	3.30	0.05	22	29	12	32	5	3	31	30	85	2	0.42	2.00	0.01	0.11	0.60	0.047	
9000N 1050E	10	13	61	0.3	0.1	1	3	2	2	1	1	203	1.66	0.03	10	10	5	28	5	2	12	19	56	2	0.09	1.07	0.01	0.06	0.23	0.020	
9000N 1075E	10	15	71	0.2	0.2	1	4	2	2	1	1	280	2.06	0.03	13	12	6	28	5	2	12	21	68	2	0.10	1.37	0.01	0.07	0.36	0.029	
9000N 1100E	11	20	79	0.2	0.2	1	4	2	3	1	1	357	2.34	0.05	13	13	6	33	5	2	14	20	72	2	0.15	1.68	0.01	0.10	0.46	0.042	
9000N 1125E	12	26	103	0.3	0.2	1	2	2	2	1	1	422	2.66	0.05	16	15	7	39	5	2	13	20	89	2	0.12	2.00	0.01	0.12	0.54	0.039	
9000N 1150E	9	22	86	0.2	0.5	1	2	2	2	1	1	335	2.20	0.05	13	13	6	34	5	2	18	17	80	2	0.21	1.70	0.02	0.10	0.47	0.032	
9000N 1175E	11	25	93	0.2	0.2	1	8	2	2	1	1	357	2.36	0.06	15	13	6	38	5	2	24	18	82	2	0.30	1.76	0.01	0.10	0.54	0.036	
9000N 1200E	21	24	70	0.4	0.4	1	2	2	2	1	1	592	2.10	0.03	13	15	10	28	5	2	34	34	152	2	0.47	1.80	0.02	0.09	0.35	0.045	
9000N 1225E	7	16	60	0.2	0.2	1	2	2	2	1	1	182	1.94	0.05	12	7	3	39	5	2	15	17	57	2	0.14	1.22	0.01	0.07	0.27	0.021	
9000N 1250E	8	11	61	0.2	0.2	1	4	2	2	1	1	330	2.71	0.07	15	8	5	57	5	5	15	28	49	2	0.22	1.16	0.01	0.08	0.45	0.032	
9000N 1275E	10	24	89	0.2	0.3	2	2	2	2	1	1	587	2.72	0.06	16	14	8	40	5	5	20	21	80	2	0.26	1.77	0.01	0.09	0.60	0.023	
9000N 1300E	16	30	106	0.2	0.4	1	2	2	2	1	1	801	3.08	0.04	16	18	10	42	5	2	23	26	141	2	0.25	2.24	0.01	0.13	0.58	0.051	
9000N 1325E	10	23	104	0.4	0.2	1	2	2	2	1	1	315	2.30	0.05	15	10	5	42	5	2	15	21	68	2	0.16	1.63	0.01	0.11	0.45	0.025	
9000N 1350E	5	15	50	0.2	0.2	1	2	2	2	1	1	149	1.51	0.06	10	4	2	43	5	2	9	20	35	2	0.06	1.05	0.01	0.06	0.21	0.011	
9000N 1375E	13	27	113	0.5	0.3	1	3	2	2	1	1	492	3.07	0.06	18	14	8	50	5	2	23	21	103	2	0.26	2.05	0.01	0.14	0.59	0.029	
9000N 1400E	12	12	68	0.2	0.7	1	2	2	2	1	1	253	1.77	0.02	10	13	5	24	5	2	13	17	65	2	0.12	1.36	0.02	0.08	0.31	0.044	
9000N 1425E	14	18	109	0.2	0.2	1	4	2	2	1	1	522	3.36	0.04	19	21	9	46	5	2	10	20	58	3	0.07	1.97	0.01	0.12	0.56	0.024	
9000N 1450E	11	13	75	0.2	0.1	2	2	2	2	1	3	412	3.02	0.04	16	14	7	51	5	2	9	22	40	2	0.10	1.50	0.01	0.08	0.47	0.032	
9000N 1475E	7	17	65	0.2	0.2	1	2	2	2	1	1	310	2.35	0.05	14	11	6	36	5	4	10	23	43	2	0.13	1.43	0.01	0.06	0.41	0.038	
9000N 1500E	10	17	65	0.2	0.3	1	2	2	2	1	1	281	2.87	0.03	16	10	5	47	5	2	7	20	46	2	0.04	1.66	0.01	0.08	0.36	0.026	
9100N 900E	21	16	103	0.3	0.5	1	4	2	2	1	1	682	3.21	0.04	21	27	12	27	5	3	54	34	81	2	0.74	2.03	0.01	0.11	0.58	0.060	
9100N 925E	14	12	86	0.2	0.3	1	2	2	2	1	1	395	2.33	0.04	16	18	9	24	5	2	29	24	68	2	0.38	1.78	0.02	0.08	0.43	0.050	
9100N 950E	19	10	103	0.6	0.5	1	2	2	2	1	1	717	2.01	0.03	14	22	10	17	5	2	111	23	78	2	1.87	1.55	0.02	0.09	0.49	0.076	
9100N 975E	22	21	126	0.4	0.6	4	6	2	2	1	1	827	3.93	0.04	26	32	14	32	6	4	61	32	97	3	0.88	2.53	0.01	0.13	0.70	0.071	
9100N 1000E	18	7	52	0.2	1.3	2	2	2	2	1	1	657	1.29	0.02	8	21	7	13	12	2	74	59	67	2	1.11	1.28	0.03	0.06	0.19	0.077	
9100N 1025E	21	9	63	0.4	0.2	1	2	2	2	1	1	247	1.70	0.03	11	20	6	21	5	2	29	38	57	2	0.31	1.46	0.02	0.08	0.25	0.038	
9100N 1050E	9	6	60	0.2	0.2	1	2	2	2	1	1	212	1.52	0.02	9	12	4	23	5	2	8	14	40	2	0.05	1.23	0.02	0.06	0.20	0.024	
9100N 1075E	3	4	18	0.2	0.1	1	2	3	2	1	2	77	0.58	0.01	4	2	1	11	5	2	7	6	26	2	0.05	0.37	0.02	0.03	0.06	0.020	
9100N 1100E	24	23	95	0.4	0.5	1	3	2	2	1	1	986	2.89	0.04	15	36	14	37	5	2	50	30	158	2	0.61	2.25	0.02	0.10	0.51	0.078	
9100N 1125E	17	24	72	0.5	0.1	48	3	2	2	1	1	546	2.51	0.03	14	25	8	37	5	2	31	19	118	2	0.33	2.09	0.02	0.09	0.44	0.051	
9100N 1150E	12	18	72	0.2	0.1	1	2	2	2	1	1	356	2.92	0.05	14	18	6	45	5	3	12	21	100	2	0.10	1.93	0.01	0.09	0.48	0.032	

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %
SKARN ZONE Cont'd																														
9100N 1175E	8	21	69	0.3	0.1	70	2	2	2	1	1	319	2.73	0.06	13	11	5	51	5	2	8	23	76	2	0.08	1.81	0.01	0.09	0.47	0.024
9100N 1200E	8	18	67	0.2	0.1	1	2	2	2	1	1	326	2.50	0.08	13	9	5	44	5	5	9	25	73	2	0.09	1.86	0.01	0.09	0.52	0.018
9100N 1225E	8	17	59	0.2	0.1	2	2	2	2	1	1	201	1.82	0.05	11	7	3	36	5	2	8	16	46	2	0.05	1.39	0.01	0.09	0.31	0.028
9100N 1250E	7	22	66	0.3	0.1	3	2	2	2	1	1	290	2.78	0.07	13	8	4	46	5	5	8	21	58	2	0.06	1.93	0.01	0.08	0.41	0.028
9100N 1275E	9	23	61	0.4	0.1	2	2	2	2	1	1	307	2.63	0.06	12	8	5	46	5	3	9	24	59	2	0.11	1.82	0.01	0.07	0.43	0.039
9100N 1300E	10	25	77	0.4	0.1	1	2	2	2	1	1	345	2.43	0.06	12	9	4	56	5	2	8	19	50	2	0.04	1.54	0.01	0.09	0.36	0.027
9100N 1325E	10	19	59	0.2	0.1	1	2	2	2	1	1	175	1.71	0.03	11	8	3	35	5	2	10	18	54	2	0.05	1.26	0.01	0.07	0.24	0.029
9100N 1350E	11	26	75	0.2	0.1	1	2	2	2	1	1	298	2.68	0.05	15	12	5	53	5	2	10	23	65	2	0.06	1.96	0.01	0.09	0.45	0.024
9100N 1375E	11	30	95	0.2	0.1	3	2	2	2	1	1	462	3.48	0.10	16	15	7	54	5	9	13	25	89	2	0.17	2.20	0.01	0.09	0.67	0.038
9100N 1400E	11	23	76	0.2	0.2	1	5	2	2	1	2	424	2.73	0.05	13	14	6	46	5	2	10	20	74	2	0.09	1.93	0.01	0.09	0.51	0.028
9100N 1425E	9	19	66	0.2	0.2	1	2	2	2	1	1	326	2.22	0.05	12	11	5	41	5	2	11	17	67	2	0.07	1.56	0.01	0.07	0.44	0.024
9100N 1450E	9	23	60	0.3	0.1	1	2	2	3	1	1	328	2.75	0.04	12	10	5	43	5	2	9	24	41	2	0.07	1.35	0.01	0.08	0.34	0.042
9100N 1475E	8	20	58	0.3	0.1	1	4	2	3	1	1	248	2.72	0.04	14	9	4	42	5	3	7	25	51	2	0.05	1.52	0.01	0.09	0.33	0.042
9100N 1500E	9	13	62	0.2	0.3	1	2	2	2	1	1	363	3.63	0.04	15	12	6	59	5	2	7	23	46	2	0.07	1.64	0.01	0.08	0.44	0.063
9200N 900E	36	27	138	0.6	0.5	1	2	2	3	1	1	644	3.66	0.05	17	45	15	42	5	3	56	32	171	2	0.69	2.85	0.01	0.16	0.64	0.064
9200N 925E	24	22	113	0.6	0.2	6	2	2	2	1	1	646	3.11	0.06	15	28	10	42	5	4	36	30	140	2	0.42	2.33	0.01	0.14	0.61	0.047
9200N 950E	30	22	99	0.5	0.3	2	2	2	2	1	1	538	2.68	0.04	13	31	16	34	5	2	38	36	159	2	0.46	2.21	0.02	0.14	0.43	0.062
9200N 975E	10	19	74	0.3	0.1	1	2	2	3	1	1	358	2.38	0.06	12	12	6	39	5	3	22	25	81	2	0.29	1.66	0.01	0.08	0.49	0.041
9200N 1000E	15	19	84	0.4	0.1	1	2	2	2	1	2	405	2.52	0.07	13	19	7	39	5	3	27	30	87	2	0.31	1.77	0.01	0.10	0.53	0.045
9200N 1025E	17	17	85	0.5	0.1	1	2	2	2	1	1	444	2.87	0.08	15	20	9	38	5	6	28	33	98	2	0.32	1.95	0.01	0.12	0.59	0.053
9200N 1050E	16	20	92	1.0	0.1	1	3	2	2	1	1	462	2.64	0.07	14	21	7	41	5	5	38	32	96	4	0.48	1.89	0.01	0.11	0.59	0.041
9200N 1075E	39	27	132	0.8	0.4	1	3	2	3	1	1	1006	3.40	0.08	17	71	15	46	9	7	70	78	134	2	1.01	2.46	0.01	0.16	0.79	0.057
9200N 1100E	15	21	92	0.5	0.2	1	2	2	2	1	1	531	2.76	0.08	14	20	8	43	5	6	36	30	104	2	0.47	1.88	0.01	0.12	0.62	0.050
9200N 1125E	11	17	79	0.4	0.1	1	2	2	2	1	1	475	2.67	0.10	13	12	7	46	5	8	24	33	84	2	0.37	1.66	0.02	0.11	0.65	0.062
9200N 1150E	10	18	87	0.5	0.1	1	2	2	2	1	1	469	2.44	0.07	11	15	6	42	5	2	30	21	115	2	0.40	1.88	0.01	0.10	0.57	0.049
9200N 1175E	10	20	79	0.3	0.1	2	4	2	2	1	1	337	2.29	0.07	11	13	5	42	5	2	20	22	85	2	0.23	1.67	0.01	0.09	0.48	0.038
9200N 1200E	10	16	63	0.3	0.1	1	2	2	2	1	1	252	2.23	0.05	12	9	4	40	5	2	12	22	67	2	0.09	1.71	0.01	0.07	0.41	0.033
9200N 1225E	8	22	69	0.2	0.2	1	3	2	2	1	1	330	2.37	0.06	12	10	4	44	5	2	8	18	52	2	0.04	1.66	0.01	0.08	0.36	0.024
9200N 1250E	6	18	59	0.4	0.1	1	2	2	2	1	1	269	2.17	0.06	10	7	4	49	5	2	9	20	53	2	0.07	1.45	0.01	0.07	0.36	0.021
9200N 1275E	6	23	68	0.2	0.2	4	2	2	2	1	3	288	2.67	0.09	13	8	4	61	5	3	9	20	46	2	0.06	1.58	0.01	0.08	0.41	0.021
9200N 1300E	7	21	73	0.4	0.1	1	2	2	2	1	1	332	2.36	0.07	13	10	5	47	5	2	10	21	68	2	0.13	1.67	0.01	0.08	0.49	0.032
9200N 1325E	10	21	82	0.2	0.1	2	4	2	2	1	5	306	2.34	0.06	13	16	5	42	5	5	12	20	81	2	0.10	1.96	0.01	0.09	0.50	0.020
9200N 1350E	10	18	76	0.2	0.1	1	4	2	2	1	2	343	2.12	0.06	9	14	5	42	5	2	20	13	89	2	0.18	1.66	0.01	0.09	0.47	0.023
9200N 1375E	14	21	92	0.2	0.1	1	7	2	2	1	1	434	2.99	0.07	13	17	7	48	5	3	23	22	90	2	0.28	1.93	0.01	0.09	0.62	0.040
9200N 1400E	7	15	36	0.2	0.1	1	3	2	2	1	2	114	1.50	0.02	9	6	2	25	5	2	8	22	48	2	0.04	1.10	0.01	0.08	0.13	0.041
9200N 1425E	10	22	60	0.2	0.2	1	7	2	2	1	1	215	2.46	0.04	12	8	4	41	5	3	7	22	43	2	0.04	1.31	0.01	0.07	0.27	0.045
9200N 1450E	10	37	40	0.2	0.2	1	6	2	2	1	2	104	2.30	0.02	9	4	2	37	5	5	7	25	48	2	0.03	1.41	0.01	0.06	0.10	0.063
9200N 1475E	9	16	45	0.2	1.2	1	9	2	2	1	2	160	2.49	0.02	12	7	3	35	5	3	8	27	41	2	0.03	1.36	0.01	0.07	0.17	0.071
9200N 1500E	9	13	49	0.2	0.5	2	10	2	2	1	1	185	2.39	0.03	12	8	4	37	5	2	7	21	27	2	0.03	0.85	0.01	0.06	0.21	0.054
9200N 1525E	11	10	41	0.2	0.5	2	4	2	2	1	1	188	2.36	0.01	14	10	5	28	5	2	8	22	50	2	0.04	1.39	0.01	0.07	0.24	0.065
9200N 1550E	10	19	52	0.2	0.1	2	6	2	2	1	1	357	3.63	0.02	19	13	6	42	5	2	7	31	44	2	0.03	1.52	0.01	0.08	0.35	0.053
9200N 1575E	13	16	68	0.2	0.2	3	7	3	2	1	1	330	4.22	0.02	20	15	7	45	5	5	7	27	48	2	0.03	1.93	0.01	0.12	0.35	0.056
9200N 1600E	17	14	76	0.2	0.2	2	10	2	2	1	1	357	5.05	0.03	24	19	8	50	5	6	8	34	57	2	0.03	2.11	0.01	0.11	0.42	0.066
9300N 900E	19	14	79	0.2	0.1	1	4	3	2	1	2	340	3.16	0.06	17	28	10	33	5	4	17	27	74	2	0.20	2.01	0.01	0.10	0.53	0.045
9300N 925E	21	12	75	0.2	0.1	1	4	3	2	1	1	320	3.19	0.05	19	27	9	32	5	3	18	23	73	2	0.17	2.12	0.01	0.08	0.57	0.040
9300N 950E	25	11	82	0.5	0.1	2	4	3	2	1	1	404	3.59	0.08	20	32	14	37	5	8	13	27	62	2	0.20	1.96	0.01	0.10	0.61	0.049
9300N 975E	38	18	95	0.2	0.4	1	2	2	2	1	2	330	3.66	0.03	22	38	11	33	5	3	21	31	119	2	0.21	2.78	0.01	0.13	0.63	0.054
9300N 1000E	17	17	75	0.2	0.1	1	3	2	2	1	1	318	3.11	0.06	16	17	7	37	5	2	15	23	57	2	0.17	1.76	0.01	0.10	0.49	0.042
9300N 1025E	8	13	53	0.2	0.1	1	2	2	2	1	2	215	1.61	0.04	9	10	4	26	5	2	16	15	63	2	0.16	1.20	0.01	0.07	0.30	0.024
9300N 1050E	11	19	79	0.2	0.1	1	4	2	2	1	1	444	2.46	0.06	13	12	8	37	5	2										

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %
SKARN ZONE Cont'd																														
9300N 1150E	6	15	70	0.3	0.1	1	3	2	2	1	3	307	2.27	0.07	12	9	4	46	5	4	16	26	63	2	0.20	1.50	0.01	0.09	0.44	0.028
9300N 1175E	8	17	74	0.2	0.1	1	2	2	2	1	1	303	2.14	0.06	11	9	4	33	5	2	25	23	84	2	0.30	1.68	0.02	0.08	0.46	0.040
9300N 1200E	10	19	96	0.2	0.1	1	2	2	2	1	1	467	2.59	0.07	13	11	6	43	5	3	34	27	98	2	0.41	1.79	0.01	0.09	0.54	0.042
9300N 1225E	8	14	86	0.4	0.1	1	2	2	2	1	1	603	1.82	0.05	9	11	6	26	5	2	63	24	84	2	0.85	1.34	0.01	0.08	0.42	0.061
9300N 1250E	10	14	75	0.2	0.2	1	7	2	2	1	1	530	1.91	0.05	10	12	5	29	5	2	49	22	93	2	0.65	1.45	0.02	0.08	0.45	0.056
9300N 1275E	14	19	92	0.2	0.1	1	9	2	2	1	1	530	2.41	0.06	12	14	6	35	5	3	49	24	113	2	0.63	1.90	0.01	0.10	0.54	0.069
9300N 1300E	17	16	99	0.4	1.0	1	6	2	2	1	1	386	1.97	0.05	9	14	5	29	5	3	73	19	158	2	0.96	2.04	0.03	0.12	0.45	0.079
9300N 1325E	18	16	89	0.3	0.4	1	14	4	2	1	1	487	2.49	0.07	13	19	6	34	5	5	50	27	90	2	0.71	1.81	0.01	0.11	0.62	0.053
9300N 1350E	39	21	105	0.2	0.8	3	30	2	2	1	4	735	3.33	0.05	15	41	10	44	5	3	68	42	115	2	0.89	2.43	0.01	0.15	0.64	0.060
9300N 1375E	33	23	145	0.3	0.2	1	27	2	2	1	1	1071	3.21	0.03	15	32	13	42	5	2	55	31	125	2	0.69	2.71	0.02	0.14	0.53	0.056
9300N 1400E	10	16	74	0.2	0.1	1	4	2	2	1	1	278	2.69	0.05	13	18	5	48	5	2	10	25	49	2	0.11	1.41	0.01	0.08	0.37	0.036
9300N 1425E	7	15	58	0.2	0.2	1	2	2	2	1	1	158	1.78	0.04	9	7	3	34	5	2	13	23	61	2	0.11	1.17	0.01	0.07	0.22	0.031
9300N 1450E	21	23	134	0.2	0.1	3	9	2	2	1	1	1005	3.49	0.03	19	24	20	38	5	2	28	26	82	2	0.33	1.63	0.01	0.10	0.45	0.041
9300N 1475E	21	27	92	0.2	0.1	1	14	2	2	1	1	1457	3.32	0.02	19	34	17	33	5	2	39	27	59	2	0.48	1.58	0.01	0.08	0.36	0.060
9300N 1500E	13	27	81	0.2	0.2	1	7	2	2	1	1	375	4.61	0.06	20	14	6	65	5	10	10	35	52	2	0.05	1.93	0.01	0.09	0.39	0.079
9300N 1525E	23	29	78	0.2	0.2	5	12	2	2	1	1	375	6.58	0.03	30	22	10	52	5	10	12	36	45	2	0.04	2.08	0.01	0.05	0.51	0.117
9300N 1550E	7	17	38	0.2	0.3	1	6	2	2	1	2	204	3.29	0.03	18	6	3	34	5	6	9	31	43	2	0.04	1.47	0.01	0.05	0.21	0.062
9300N 1575E	18	22	48	0.2	0.4	1	6	2	2	1	1	248	4.18	0.02	22	12	5	41	5	6	9	42	45	2	0.03	1.62	0.01	0.07	0.25	0.131
9300N 1600E	16	17	45	0.2	0.4	1	7	2	2	1	1	201	4.24	0.02	22	11	4	43	5	8	10	43	44	2	0.02	1.57	0.01	0.07	0.19	0.124
9300N 1625E	13	19	57	0.2	0.1	1	6	2	2	1	1	310	4.06	0.03	20	12	7	41	5	6	10	36	42	2	0.03	1.57	0.01	0.09	0.24	0.055
9300N 1650E	18	16	64	0.2	0.2	4	6	2	2	1	1	335	4.76	0.03	27	19	8	40	5	4	10	33	51	2	0.03	1.96	0.01	0.09	0.34	0.059
9300N 1675E	53	17	87	0.2	0.1	7	18	2	2	1	1	457	6.81	0.04	36	32	11	44	5	5	10	39	58	2	0.02	2.17	0.01	0.18	0.49	0.089
9300N 1700E	26	15	69	0.2	0.1	4	16	2	2	1	1	337	5.18	0.03	25	20	9	41	5	4	9	33	52	2	0.03	1.74	0.01	0.11	0.37	0.080
9400N 900E	9	14	59	0.2	0.1	1	3	2	2	1	2	282	2.75	0.07	17	11	5	33	5	4	9	25	40	2	0.07	1.62	0.01	0.07	0.54	0.015
9400N 925E	35	15	67	0.2	0.1	3	5	2	2	1	2	464	4.03	0.10	21	27	14	37	5	15	20	44	49	2	0.31	1.91	0.01	0.12	0.73	0.069
9400N 950E	14	18	70	0.2	0.1	3	2	2	2	1	2	435	3.30	0.09	14	13	7	44	5	7	14	32	69	2	0.15	1.85	0.01	0.11	0.55	0.029
9400N 975E	11	24	64	0.2	0.1	1	2	2	2	1	1	276	2.60	0.05	14	11	5	36	5	3	15	30	58	2	0.14	1.84	0.01	0.08	0.41	0.027
9400N 1000E	12	22	90	0.2	0.2	1	4	2	2	1	1	405	3.44	0.09	16	16	7	41	5	10	13	26	65	2	0.13	2.07	0.01	0.10	0.59	0.026
9400N 1025E	10	20	52	0.2	0.1	2	4	2	2	1	1	298	3.67	0.07	17	10	5	59	5	5	9	24	43	2	0.08	1.56	0.01	0.06	0.42	0.046
9400N 1050E	12	29	91	0.2	0.2	2	4	2	2	1	2	512	3.73	0.09	18	10	6	40	5	8	14	22	66	2	0.14	2.85	0.01	0.10	0.46	0.048
9400N 1075E	8	20	78	0.2	0.1	3	4	2	2	1	1	365	3.30	0.09	13	9	5	47	5	6	13	25	63	2	0.11	1.71	0.01	0.11	0.48	0.026
9400N 1100E	6	22	70	0.2	0.1	1	3	2	2	1	1	302	2.67	0.08	15	9	4	46	5	4	10	27	62	2	0.09	1.73	0.01	0.09	0.47	0.022
9400N 1125E	8	21	76	0.2	0.1	1	3	2	2	1	2	391	2.99	0.10	14	10	5	48	5	8	19	28	89	2	0.28	2.18	0.01	0.12	0.61	0.049
9400N 1150E	3	17	40	0.2	0.1	1	2	2	2	1	1	215	1.93	0.08	10	5	2	45	5	5	14	23	37	2	0.17	1.29	0.01	0.07	0.29	0.013
9400N 1175E	10	19	76	0.2	0.1	1	5	2	2	1	3	396	3.05	0.09	15	12	6	52	5	6	13	26	101	2	0.18	2.11	0.01	0.11	0.60	0.038
9400N 1200E	12	18	65	0.2	0.1	1	5	2	2	1	2	488	2.65	0.10	13	11	7	48	5	10	20	46	69	2	0.29	1.59	0.01	0.09	0.58	0.037
9400N 1225E	10	20	78	0.2	0.2	1	3	2	2	1	3	343	2.83	0.07	15	12	5	43	5	4	12	26	78	2	0.11	2.12	0.01	0.09	0.52	0.024
9400N 1250E	14	24	80	0.2	0.1	1	4	2	2	1	1	364	2.89	0.05	15	16	6	47	5	2	10	22	67	2	0.09	2.06	0.01	0.11	0.53	0.029
9400N 1275E	22	22	107	0.2	0.1	1	6	2	2	1	2	584	3.43	0.06	18	22	10	48	5	5	16	25	112	2	0.17	2.27	0.01	0.13	0.69	0.033
9400N 1300E	12	22	74	0.2	0.1	1	4	2	2	1	1	337	2.41	0.05	13	12	5	40	5	2	30	19	99	2	0.35	1.87	0.01	0.10	0.49	0.031
9400N 1325E	10	21	85	0.2	0.1	2	3	2	2	1	1	477	3.04	0.10	14	13	7	50	5	8	21	29	80	2	0.32	1.80	0.01	0.10	0.66	0.042
9400N 1350E	16	23	98	0.2	0.1	2	4	2	2	1	1	748	3.14	0.09	15	19	9	46	5	7	25	29	82	2	0.34	2.01	0.01	0.10	0.74	0.040
9400N 1375E	18	33	99	0.2	0.1	1	7	2	2	1	1	899	3.32	0.06	17	27	11	49	5	5	29	33	64	2	0.36	2.15	0.01	0.10	0.65	0.041
9400N 1400E	15	34	100	0.4	0.1	2	6	2	2	1	1	394	3.49	0.06	22	18	7	48	5	6	10	28	73	2	0.13	2.05	0.01	0.10	0.57	0.052
9400N 1425E	10	22	67	0.2	0.1	1	2	2	2	1	1	302	2.79	0.03	12	10	4	40	5	2	7	20	41	2	0.05	1.38	0.01	0.08	0.32	0.033
9400N 1450E	17	17	63	0.2	0.1	4	8	2	2	1	1	550	4.20	0.03	16	15	7	66	5	2	10	23	43	2	0.08	1.48	0.01	0.07	0.36	0.079
9400N 1475E	27	27	109	0.2	0.1	7	9	2	3	1	1	571	5.78	0.04	30	32	12	41	5	9	8	31	46	2	0.05	2.65	0.01	0.08	0.63	0.079
9400N 1500E	14	18	88	0.3	0.3	5	12	2	2	1	1	440	5.55	0.06	22	17	6	44	5	6	8	19	56	2	0.03	1.90	0.01	0.11	0.46	0.076
9400N 1525E	12	16	52	0.2	0.2	4	9	2	2	1	3	213	3.47	0.03	16	12	4	43	5	7	8	26	45	2	0.03	1.32	0.01	0.05	0.20	0.083
9400N 1550E	19	18	106	0.2	0.1	11	31	2	2	1	2	398	6.43</																	

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %
SKARN ZONE Cont'd																														
9400N 1650E	21	12	79	0.2	0.1	6	10	2	2	1	1	281	5.51	0.03	24	17	7	36	5	9	9	23	42	2	0.02	1.83	0.01	0.10	0.41	0.048
9400N 1675E	26	17	67	0.2	0.3	2	8	2	3	1	1	316	4.71	0.01	23	19	7	38	5	2	12	25	46	2	0.02	1.63	0.01	0.08	0.27	0.078
9400N 1700E	21	15	50	0.2	0.1	4	3	2	2	1	2	221	3.59	0.01	18	13	5	39	5	3	10	33	45	2	0.01	1.40	0.01	0.06	0.11	0.072
9500N 1000E	8	15	66	0.3	0.2	1	2	2	2	1	1	305	3.68	0.08	15	11	5	55	5	6	10	19	55	2	0.09	1.93	0.01	0.06	0.45	0.033
9500N 1025E	6	15	67	0.2	0.1	1	2	2	2	1	1	263	1.87	0.04	10	7	4	33	5	2	14	18	67	2	0.15	1.32	0.01	0.06	0.39	0.023
9500N 1050E	6	18	74	0.2	0.1	1	2	2	2	1	2	293	3.03	0.07	11	7	4	47	5	4	17	20	54	2	0.15	1.57	0.01	0.07	0.42	0.025
9500N 1075E	8	16	76	0.2	0.1	1	2	2	3	1	1	304	2.36	0.05	12	9	5	40	5	2	12	23	77	2	0.14	1.68	0.01	0.07	0.47	0.035
9500N 1100E	8	19	74	0.2	0.1	1	2	2	2	1	1	312	2.43	0.06	13	10	5	40	5	2	13	20	68	2	0.13	1.76	0.02	0.09	0.48	0.028
9500N 1125E	6	17	85	0.2	0.1	1	2	2	2	1	1	372	3.06	0.07	13	9	5	56	5	3	10	18	69	2	0.09	1.74	0.01	0.07	0.55	0.018
9500N 1150E	8	16	79	0.2	0.1	1	2	2	3	1	1	334	2.59	0.07	14	10	5	41	5	4	11	20	66	2	0.13	1.85	0.01	0.07	0.51	0.031
9500N 1175E	6	14	56	0.3	0.2	1	2	2	2	1	1	185	1.45	0.03	8	6	3	28	5	2	9	16	62	2	0.06	1.29	0.03	0.09	0.23	0.034
9500N 1200E	9	18	86	0.2	0.1	1	2	2	2	1	1	377	2.98	0.08	14	13	6	45	5	7	14	24	79	2	0.17	2.05	0.01	0.10	0.57	0.035
9500N 1225E	6	22	56	0.2	0.2	1	2	2	2	1	1	241	2.11	0.06	11	7	3	44	5	4	9	21	51	2	0.06	1.49	0.01	0.06	0.28	0.023
9500N 1250E	9	21	66	0.3	0.1	1	2	2	2	1	1	280	2.44	0.05	13	10	4	38	5	2	9	19	63	2	0.07	1.97	0.01	0.07	0.39	0.029
9500N 1275E	8	20	71	0.2	0.1	1	2	2	3	1	1	268	2.66	0.06	13	9	4	36	5	3	10	21	61	2	0.10	1.89	0.01	0.08	0.40	0.036
9500N 1300E	16	22	80	0.2	0.2	1	5	2	3	1	1	364	3.43	0.06	18	17	7	39	5	7	11	22	68	2	0.15	2.19	0.01	0.09	0.50	0.069
9500N 1325E	14	21	88	0.2	0.1	2	2	2	2	1	1	380	3.32	0.07	16	18	7	40	5	9	12	21	64	2	0.15	2.17	0.01	0.09	0.53	0.045
9500N 1350E	11	19	74	0.2	0.1		2	2	2	1	2	237	2.68	0.02	16	14	5	41	5	7	7	21	48	2	0.04	1.87	0.01	0.06	0.34	0.031
9500N 1375E	17	19	68	0.2	0.2	1	2	2	2	1	1	174	2.36	0.02	14	11	4	31	5	2	20	23	60	2	0.13	1.89	0.01	0.06	0.20	0.043
9500N 1400E	11	20	99	0.2	0.2	2	2	2	2	1	1	435	3.55	0.04	19	12	6	44	5	2	7	21	46	2	0.04	1.74	0.01	0.09	0.39	0.046
9500N 1425E	5	14	47	0.2	0.1	1	2	2	2	1	1	136	1.46	0.03	9	5	2	32	5	2	7	27	31	2	0.04	1.06	0.01	0.06	0.18	0.025
9500N 1450E	11	18	83	0.2	0.1	2	3	2	2	1	1	293	3.23	0.02	17	13	5	38	5	3	7	20	47	2	0.03	1.74	0.01	0.08	0.34	0.035
9500N 1475E	17	18	102	0.2	0.1	2	3	2	2	1	1	452	4.18	0.03	21	21	8	40	5	9	7	28	65	2	0.04	2.17	0.01	0.10	0.50	0.043
9500N 1500E	43	21	150	0.2	0.1	8	2	2	2	1	1	1363	7.46	0.01	34	56	29	39	5	10	9	38	48	2	0.04	2.33	0.01	0.09	0.58	0.067
9500N 1525E	26	16	110	0.2	0.1	8	2	2	2	1	1	864	7.17	0.02	33	32	12	47	5	8	6	31	40	2	0.02	2.12	0.01	0.08	0.54	0.086
9500N 1550E	19	17	109	0.2	0.3	11	6	3	2	1	1	637	6.29	0.05	26	22	9	45	5	7	8	22	45	2	0.04	2.12	0.01	0.09	0.44	0.071
9500N 1575E	17	16	96	0.2	0.1	3	2	2	2	1	1	411	4.25	0.05	22	20	9	35	5	6	7	18	50	2	0.04	2.71	0.01	0.09	0.38	0.054
9500N 1600E	17	16	78	0.2	0.2	6	3	2	2	1	1	357	5.11	0.02	26	17	7	45	5	5	9	28	45	2	0.03	2.26	0.01	0.07	0.26	0.107
9500N 1625E	16	13	88	0.2	0.2	2	4	2	2	1	1	329	4.75	0.05	21	17	6	34	5	7	7	19	37	2	0.04	2.23	0.01	0.10	0.42	0.044
9500N 1650E	22	18	84	0.2	0.2	9	15	2	2	1	1	428	6.56	0.02	26	19	7	54	5	9	9	33	41	2	0.02	2.06	0.01	0.08	0.23	0.065
9500N 1675E	22	15	65	0.2	1.0	4	45	2	2	1	1	237	6.28	0.03	27	12	4	53	5	6	9	23	40	2	0.02	1.65	0.01	0.06	0.22	0.064
9500N 1700E	19	16	60	0.2	0.5	7	12	2	3	1	1	231	4.80	0.01	24	19	7	37	5	8	10	28	39	2	0.02	1.74	0.01	0.07	0.21	0.058
9500N 1725E	32	14	107	0.5	0.2	5	3	2	2	1	1	630	5.11	0.02	25	34	14	38	5	4	8	34	39	2	0.02	1.76	0.01	0.08	0.30	0.065
9500N 1750E	17	13	50	0.2	0.1	1	2	2	2	1	1	232	3.48	0.01	20	13	5	42	5	2	10	35	49	2	0.02	1.58	0.01	0.08	0.13	0.065
9600N 1000E	6	17	62	0.3	0.1	1	2	2	2	1	1	238	1.89	0.06	10	8	4	28	5	2	17	20	66	2	0.23	1.44	0.01	0.09	0.39	0.030
9600N 1025E	8	19	75	0.2	0.1	1	2	2	2	1	1	351	2.52	0.08	13	10	6	38	5	5	23	24	87	2	0.36	1.81	0.01	0.10	0.55	0.041
9600N 1050E	8	19	71	0.2	0.1	1	2	2	2	1	1	374	2.53	0.09	13	11	6	37	5	7	18	25	69	2	0.33	1.62	0.01	0.11	0.56	0.053
9600N 1075E	9	21	80	0.3	0.1	1	2	2	2	1	2	453	3.03	0.10	13	14	7	45	5	10	20	28	84	2	0.35	1.99	0.01	0.14	0.63	0.052
9600N 1100E	8	20	83	0.3	0.1	2	2	2	2	1	1	385	2.88	0.07	14	12	6	46	5	6	20	24	87	2	0.33	1.84	0.01	0.08	0.60	0.039
9600N 1125E	7	16	69	0.2	0.1	2	5	2	2	1	1	344	2.61	0.05	13	9	6	43	5	3	16	21	68	2	0.19	1.80	0.01	0.08	0.52	0.024
9600N 1150E	7	20	75	0.3	0.1	2	3	2	2	1	1	368	2.64	0.06	12	12	7	42	5	5	19	22	78	2	0.29	1.74	0.01	0.08	0.59	0.046
9600N 1175E	8	18	70	0.3	0.2	2	2	2	2	1	1	368	2.44	0.06	12	11	6	40	5	4	23	21	83	2	0.39	1.67	0.01	0.07	0.54	0.043
9600N 1200E	9	16	92	0.3	0.1	1	2	2	2	1	1	501	2.58	0.06	14	13	8	38	5	4	29	24	111	2	0.57	1.72	0.01	0.08	0.59	0.062
9600N 1225E	12	17	86	0.3	0.1	1	2	2	2	1	1	473	2.83	0.08	15	14	7	42	5	8	25	31	95	2	0.52	1.75	0.01	0.10	0.64	0.074
9600N 1250E	10	19	95	0.2	0.1	7	2	3	2	1	1	410	3.05	0.08	17	16	7	42	5	7	20	28	115	2	0.28	2.25	0.01	0.11	0.63	0.045
9600N 1275E	13	24	93	0.5	0.1	2	2	2	2	1	1	448	3.29	0.10	19	18	8	43	5	8	15	30	82	2	0.22	2.60	0.01	0.13	0.66	0.055
9600N 1300E	11	20	80	0.2	0.1	1	2	2	2	1	1	361	2.70	0.08	15	14	7	40	5	8	19	29	95	2	0.32	1.93	0.01	0.11	0.58	0.047
9600N 1325E	16	21	85	0.4	0.2	1	3	2	2	1	1	377	3.38	0.04	19	20	7	43	5	5	10	23	82	2	0.09	2.41	0.01	0.10	0.50	0.059
9600N 1350E	12	19	72	0.2	0.1	1	4	2	2	1	1	284	2.83	0.02	17	15	6	38	5	6	10	25	85	2	0.06	2.16	0.01	0.07	0.37	0.050
9600N 1375E	13	19	90	0.4	0.1	1	3	2	2	1	1	345	3.60	0.05	20	16	7	42	5											

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %
STARN ZONE Cont'd																														
9600N 1475E	35	53	141	0.5	0.2	2	8	2	3	1	1	482	4.46	0.06	28	33	15	44	5	8	12	30	69	2	0.11	2.85	0.01	0.12	0.61	0.066
9600N 1500E	13	14	50	0.4	0.1	3	7	2	2	1	1	224	3.85	0.04	18	11	4	47	5	5	7	25	46	2	0.03	1.55	0.01	0.07	0.25	0.082
9600N 1525E	10	73	41	0.2	0.6	1	3	2	2	1	1	148	2.65	0.03	14	7	3	38	5	2	8	25	44	2	0.03	1.41	0.01	0.06	0.18	0.047
9600N 1550E	21	21	68	0.2	0.2	7	6	2	2	1	1	366	5.78	0.03	26	18	7	52	5	5	10	26	58	2	0.04	2.02	0.01	0.09	0.36	0.128
9600N 1575E	27	16	76	0.3	0.1	2	7	2	2	1	1	425	5.76	0.03	26	26	10	43	5	5	12	23	57	2	0.04	2.13	0.01	0.11	0.39	0.096
9600N 1600E	10	11	42	0.2	0.2	3	6	3	2	1	1	195	3.12	0.05	13	9	3	33	5	2	6	14	32	2	0.03	1.03	0.02	0.06	0.18	0.069
9600N 1625E	16	18	58	0.3	0.2	4	11	2	2	1	1	439	5.34	0.03	25	15	7	54	5	4	7	26	40	2	0.03	1.63	0.01	0.08	0.20	0.129
9600N 1650E	17	16	58	0.2	0.1	4	12	2	2	1	1	357	5.41	0.05	24	17	7	42	5	3	8	20	40	2	0.04	1.83	0.01	0.09	0.34	0.122
9600N 1675E	26	16	73	0.3	0.2	7	10	2	2	1	1	399	6.69	0.03	29	27	11	40	5	4	18	27	71	2	0.06	2.44	0.01	0.09	0.44	0.093
9600N 1700E	5	3	13	0.2	0.1	1	2	2	2	1	1	54	0.69	0.02	3	1	2	12	5	2	8	3	17	2	0.05	0.58	0.04	0.02	0.03	0.030
9600N 1725E	28	17	64	0.4	0.2	4	14	2	2	1	1	466	3.99	0.02	24	22	10	42	5	2	11	30	51	2	0.03	1.74	0.01	0.10	0.25	0.067
9600N 1750E	32	22	74	0.2	0.2	4	22	2	2	1	1	802	4.43	0.01	24	28	15	37	5	2	13	22	62	2	0.04	1.79	0.01	0.10	0.28	0.080
9700N 1000E	7	16	52	0.2	0.1	1	4	2	3	1	1	276	1.94	0.03	7	7	5	33	5	3	14	19	69	2	0.17	1.12	0.03	0.07	0.33	0.047
9700N 1025E	7	16	59	0.3	0.1	1	2	2	2	1	1	339	2.59	0.08	10	7	5	47	5	10	11	25	56	2	0.16	2.11	0.01	0.06	0.46	0.053
9700N 1050E	8	14	67	0.2	0.1	1	2	2	2	1	1	342	2.66	0.09	12	10	5	47	5	7	13	22	70	2	0.13	1.61	0.01	0.08	0.49	0.025
9700N 1075E	9	21	67	0.2	0.1	1	2	2	2	1	1	323	3.03	0.10	13	10	4	49	5	7	11	25	69	2	0.12	1.87	0.01	0.08	0.48	0.038
9700N 1100E	7	17	61	0.2	0.1	2	2	2	2	1	1	319	3.45	0.07	14	8	4	43	5	5	8	20	49	2	0.06	1.82	0.01	0.08	0.39	0.036
9700N 1125E	6	14	47	0.2	0.1	1	2	2	2	1	1	263	1.95	0.07	8	6	4	47	5	4	11	25	50	2	0.16	1.18	0.01	0.08	0.35	0.037
9700N 1150E	5	20	56	0.2	0.1	1	2	2	4	2	1	272	3.09	0.07	11	7	4	60	5	4	8	17	41	2	0.06	1.36	0.01	0.05	0.39	0.020
9700N 1175E	7	16	59	0.2	0.1	1	2	2	2	1	1	231	1.93	0.05	12	9	4	39	5	4	17	23	64	2	0.24	1.62	0.01	0.05	0.40	0.022
9700N 1200E	3	26	46	0.2	0.1	1	2	2	2	2	1	162	1.34	0.06	7	4	2	61	5	3	8	21	44	2	0.05	1.40	0.01	0.04	0.22	0.010
9700N 1225E	5	10	70	0.2	0.1	1	2	2	2	2	1	249	2.01	0.04	8	7	4	52	5	3	20	19	82	2	0.29	1.35	0.01	0.05	0.38	0.018
9700N 1250E	12	21	113	0.8	0.2	1	2	3	2	3	1	573	2.69	0.05	13	17	10	50	5	6	29	123	2	0.59	2.05	0.01	0.10	0.58	0.094	
9700N 1275E	14	24	132	0.3	0.4	14	3	2	2	2	1	505	3.25	0.05	17	18	10	52	9	11	28	36	105	2	0.60	2.10	0.01	0.09	0.79	0.071
9700N 1300E	10	16	85	0.2	0.1	1	2	2	2	1	1	468	3.17	0.03	15	13	9	55	5	6	17	32	70	2	0.32	1.50	0.01	0.08	0.50	0.039
9700N 1325E	8	20	169	0.6	0.1	1	2	2	2	1	1	360	2.16	0.07	13	12	6	37	5	5	24	24	104	2	0.47	1.82	0.02	0.09	0.56	0.037
9700N 1350E	12	49	259	1.9	0.2	1	2	2	2	1	1	563	2.87	0.08	17	18	10	42	5	9	20	31	83	2	0.41	1.79	0.01	0.11	0.61	0.039
9700N 1375E	49	159	453	2.1	0.3	12	2	2	4	1	2	839	4.28	0.06	22	34	20	48	5	13	16	45	72	2	0.36	1.94	0.01	0.13	0.71	0.061
9700N 1400E	107	634	3441	21.8	4.3	6	5	2	13	1	60	1338	4.45	0.07	22	39	21	50	5	17	19	51	85	2	0.37	1.65	0.01	0.17	0.72	0.060
9700N 1425E	46	45	191	0.6	0.2	9	7	2	3	1	1	884	6.30	0.05	36	40	28	47	5	13	12	40	60	2	0.11	2.70	0.01	0.12	0.78	0.070
9700N 1450E	44	26	135	0.3	0.1	4	11	2	3	1	1	909	5.43	0.08	25	35	23	53	5	15	16	42	90	2	0.19	2.03	0.01	0.17	0.81	0.077
9700N 1475E	73	36	158	0.2	0.1	5	22	2	2	1	1	1077	6.96	0.05	34	60	40	44	5	14	25	40	81	2	0.18	2.24	0.01	0.16	0.81	0.084
9700N 1500E	52	25	116	0.2	0.1	4	21	2	2	1	1	980	5.92	0.05	31	50	33	49	5	13	17	41	69	2	0.17	2.44	0.01	0.15	0.75	0.075
9700N 1525E	50	27	116	0.2	0.1	3	18	2	2	1	1	920	5.90	0.04	31	50	32	48	5	12	14	41	64	2	0.15	2.45	0.01	0.14	0.75	0.073
9700N 1550E	42	25	108	0.2	0.1	5	13	2	2	1	1	634	7.21	0.03	35	38	17	46	5	8	11	34	61	2	0.04	3.04	0.01	0.12	0.64	0.071
9700N 1575E	19	17	66	0.2	0.1	7	10	2	2	1	1	563	6.34	0.05	28	17	9	60	5	4	10	36	56	2	0.04	1.67	0.01	0.09	0.27	0.078
9700N 1600E	21	18	64	0.2	0.4	5	6	2	3	1	1	310	4.63	0.03	22	20	7	44	5	7	10	38	38	2	0.03	1.69	0.01	0.09	0.28	0.054
9700N 1625E	14	14	61	0.2	0.1	1	6	2	2	1	1	399	4.14	0.04	20	13	6	44	5	3	9	29	41	2	0.04	1.48	0.01	0.09	0.28	0.053
9700N 1650E	47	15	97	0.2	0.1	15	14	2	2	1	1	672	8.46	0.03	37	42	16	43	5	7	10	36	49	2	0.01	2.33	0.01	0.14	0.48	0.075
9700N 1675E	21	13	77	0.2	0.2	10	8	3	2	1	1	493	6.19	0.04	24	17	7	40	5	4	8	23	40	2	0.03	1.74	0.01	0.10	0.34	0.057
9700N 1700E	23	16	49	0.2	0.1	17	4	2	2	1	1	196	3.92	0.01	20	11	4	47	5	2	9	37	41	2	0.01	1.56	0.01	0.07	0.11	0.065
9700N 1725E	72	26	142	0.2	0.1	7	19	2	2	1	1	1501	7.28	0.03	39	84	56	40	5	11	12	42	60	2	0.03	3.01	0.01	0.15	0.69	0.055
9700N 1750E	48	28	88	0.2	0.1	7	16	2	6	1	1	393	6.39	0.01	29	29	10	47	5	5	12	38	53	2	0.02	2.40	0.01	0.09	0.27	0.092
9700N 1775E	22	10	57	0.2	0.1	4	6	2	2	1	1	211	4.75	0.02	21	18	6	43	5	2	11	28	43	2	0.03	1.39	0.01	0.07	0.17	0.070
9700N 1800E	26	13	57	0.2	0.1	1	8	2	2	1	1	295	3.27	0.03	16	19	12	31	5	2	11	19	40	2	0.06	1.34	0.02	0.07	0.24	0.051
9700N 1825E	63	19	84	0.2	0.5	8	12	2	2	1	1	291	5.74	0.02	25	25	10	37	5	2	17	32	46	2	0.03	1.75	0.01	0.11	0.26	0.110
9700N 1850E	68	18	84	0.2	0.1	15	25	2	7	1	1	617	7.22	0.03	33	35	40	35	5	5	22	42	59	2	0.06	1.95	0.02	0.14	0.48	0.113
9700N 1875E	221	44	141	0.2	0.2	16	45	2	3	1	1	1307	9.14	0.02	36	79	79	35	5	9	19	47	37	2	0.08	2.17	0.01	0.11	0.58	0.123
9700N 1900E	268	148	196	0.2	1.0	12	65	2	5	4	3	1390	11.09	0.01	37	105	97	37	8	12	26	44	45	2	0.09	2.53	0.01	0.11	0.65	0.172
9700N 1925E	200	265	332	0.2	1.7	14																								

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %	
SKARN ZONE Cont'd																															
9750N 1000E	6	15	71	0.2	0.1	1	2	2	2	2	3	310	2.13	0.09	14	10	6	39	12	5	29	26	78	2	0.54	1.78	0.02	0.07	0.57	0.048	
9750N 1025E	7	18	73	0.2	0.1	1	6	2	2	2	4	396	2.42	0.09	14	11	7	45	23	8	38	37	111	3	0.76	1.88	0.02	0.07	0.62	0.056	
9750N 1050E	6	19	67	0.2	0.1	1	4	2	2	3	4	632	2.09	0.07	12	9	7	43	16	3	46	27	119	2	1.00	1.76	0.02	0.06	0.50	0.062	
9750N 1075E	4	13	52	0.2	0.1	1	2	2	2	2	2	387	2.23	0.09	10	6	6	49	5	8	18	32	59	2	0.32	1.20	0.01	0.06	0.50	0.048	
9750N 1100E	7	11	46	0.2	0.1	1	2	2	2	2	3	180	1.53	0.05	9	8	4	29	5	2	31	26	125	2	0.50	1.58	0.02	0.04	0.32	0.043	
9750N 1125E	7	17	64	0.3	0.1	3	2	2	2	1	1	355	2.48	0.10	11	9	6	43	5	9	15	26	69	2	0.28	1.67	0.01	0.10	0.56	0.057	
9750N 1150E	7	19	63	0.2	0.1	1	2	2	2	1	2	376	2.44	0.11	12	8	6	43	5	10	16	28	67	2	0.28	1.58	0.01	0.10	0.56	0.054	
9750N 1175E	7	18	64	0.2	0.1	1	2	2	2	2	2	332	2.85	0.09	13	8	5	53	5	4	12	23	56	2	0.16	1.74	0.01	0.07	0.50	0.048	
9750N 1200E	6	20	79	0.3	0.1	1	2	2	2	2	2	425	3.02	0.11	12	8	7	54	5	10	15	27	86	2	0.20	2.31	0.01	0.08	0.67	0.039	
9750N 1225E	8	26	94	0.2	0.1	1	2	2	2	2	4	427	3.00	0.11	15	12	6	55	5	7	14	25	102	2	0.22	2.27	0.01	0.13	0.67	0.049	
9750N 1250E	4	21	68	0.2	0.1	1	2	2	2	1	3	372	2.97	0.07	8	5	5	61	5	4	13	21	66	2	0.11	1.85	0.01	0.06	0.54	0.033	
9750N 1275E	7	28	79	0.3	0.1	1	3	2	3	1	2	647	3.21	0.06	10	8	9	68	5	12	31	47	90	2	0.45	1.58	0.01	0.08	0.69	0.062	
9750N 1300E	14	37	99	0.5	0.2	1	4	2	2	2	1	657	3.44	0.07	11	14	11	62	12	11	42	48	113	2	0.60	1.90	0.02	0.12	0.83	0.064	
9750N 1325E	7	26	80	0.6	0.1	1	3	2	8	1	1	440	3.24	0.05	12	7	7	85	5	10	21	42	39	2	0.56	0.83	0.01	0.07	0.44	0.049	
9750N 1350E	7	35	87	0.6	0.1	1	2	2	3	1	1	847	2.96	0.07	9	8	14	60	5	12	22	45	59	2	0.42	1.12	0.01	0.08	0.59	0.048	
9750N 1375E	15	42	175	0.3	0.5	1	2	2	2	1	1	465	2.93	0.06	10	13	8	52	7	14	31	46	86	2	0.53	1.62	0.01	0.11	0.69	0.055	
9750N 1400E	27	131	385	2.0	1.2	1	5	3	4	1	3	648	2.49	0.05	10	11	7	47	5	9	38	37	96	3	0.95	1.52	0.02	0.13	0.57	0.059	
9750N 1425E	651	3515	7414	65.5	21.9	18	12	2	71	3	97	2133	4.71	0.05	23	32	27	39	5	10	26	40	76	2	2.87	1.56	0.01	0.15	0.81	0.047	
9750N 1450E	163	746	1672	18.6	5.0	4	8	2	18	1	48	1228	4.66	0.05	23	36	19	42	5	11	27	42	77	2	3.13	1.79	0.01	0.15	0.92	0.059	
9750N 1475E	51	195	311	1.4	0.4	4	8	2	3	1	11	1208	5.22	0.05	27	43	23	46	5	12	16	51	76	2	0.18	2.19	0.01	0.14	0.75	0.066	
9750N 1500E	16	30	80	0.2	0.3	5	4	2	2	1	4	339	3.14	0.04	18	18	7	40	5	2	8	23	35	2	0.06	1.31	0.01	0.08	0.38	0.037	
9750N 1525E	26	22	96	0.2	0.1	1	6	2	2	1	2	428	4.47	0.06	27	31	13	44	5	7	11	31	63	2	0.11	2.53	0.01	0.10	0.57	0.051	
9750N 1550E	49	24	114	0.2	0.1	6	18	2	4	1	2	672	5.81	0.03	29	53	26	43	5	4	13	34	59	2	0.09	2.36	0.01	0.12	0.56	0.074	
9750N 1575E	46	24	97	0.4	0.1	8	19	2	3	1	1	830	8.75	0.01	33	28	19	47	5	4	9	31	57	2	0.02	2.54	0.01	0.10	0.59	0.113	
9750N 1600E	46	22	111	0.3	0.1	1	11	2	2	1	1	739	6.65	0.02	33	48	23	41	5	7	14	42	75	2	0.08	2.28	0.01	0.12	0.61	0.074	
9750N 1625E	39	20	84	0.3	0.1	4	13	2	2	1	1	808	6.54	0.02	33	39	21	44	5	4	11	40	43	2	0.02	2.17	0.01	0.14	0.43	0.067	
9750N 1650E	9	10	30	0.2	0.1	1	2	2	2	1	1	88	1.47	0.01	11	6	2	38	5	2	6	35	25	2	0.02	0.88	0.01	0.05	0.05	0.033	
9750N 1675E	28	15	80	0.2	0.1	5	9	2	2	1	1	510	6.09	0.03	26	23	9	48	5	2	8	28	36	2	0.02	1.66	0.01	0.10	0.28	0.062	
9750N 1700E	41	17	84	0.5	0.1	9	9	2	2	1	1	615	6.64	0.02	32	35	13	40	5	2	9	26	38	2	0.02	2.13	0.01	0.10	0.40	0.085	
9750N 1725E	6	6	21	0.2	0.1	1	2	2	2	1	1	54	0.73	0.01	4	2	2	11	5	2	5	3	12	2	0.03	0.29	0.02	0.02	0.03	0.037	
9750N 1750E	17	9	40	0.2	0.1	1	3	2	2	1	1	231	2.01	0.01	9	12	7	19	5	2	6	9	28	2	0.02	0.94	0.02	0.03	0.07	0.049	
9750N 1775E	33	10	67	0.2	0.1	1	8	2	2	1	1	320	4.61	0.01	22	23	12	28	5	2	11	22	47	2	0.02	1.39	0.02	0.09	0.22	0.093	
9750N 1800E	13	2	37	0.2	0.1	1	4	2	2	1	1	109	1.68	0.01	7	8	6	22	5	2	11	8	20	2	0.06	0.63	0.03	0.04	0.07	0.048	
9750N 1825E	145	34	124	0.2	0.3	5	24	4	2	3	1	917	8.63	0.01	36	72	59	35	5	3	26	46	50	2	0.08	2.24	0.01	0.13	0.54	0.135	
9750N 1850E	106	41	124	0.2	0.2	6	50	2	3	1	1	786	8.10	0.01	31	50	53	30	5	3	19	43	43	2	0.07	1.82	0.01	0.12	0.46	0.119	
9750N 1875E	189	48	157	0.2	0.7	5	66	2	2	2	1	1674	9.49	0.01	37	97	100	36	5	7	25	49	43	2	0.08	2.28	0.01	0.10	0.61	0.146	
9750N 1900E	198	124	246	0.5	1.0	6	73	2	2	2	1	1669	10.60	0.02	36	120	120	35	5	8	29	44	43	2	0.10	2.49	0.01	0.11	0.66	0.145	
9750N 1925E	189	235	347	0.8	1.4	6	49	4	4	2	1	2360	9.64	0.02	37	87	116	37	5	8	27	40	57	2	0.05	2.40	0.01	0.16	0.63	0.134	
9750N 1950E	211	204	413	0.8	1.4	10	61	8	19	2	1	4259	11.42	0.02	42	186	218	41	5	10	23	46	66	2	0.04	3.32	0.01	0.16	0.76	0.151	
9750N 1975E	105	101	189	0.2	0.6	2	24	2	6	1	1	1944	7.82	0.02	26	61	86	31	5	5	13	23	36	2	0.04	1.88	0.02	0.11	0.41	0.115	
9750N 2000E	100	78	165	0.2	0.5	2	26	2	2	1	1	2322	9.39	0.02	34	68	87	36	5	5	15	30	52	2	0.03	2.60	0.01	0.16	0.51	0.129	
9800N 1000E	9	16	83	0.2	0.1	1	2	2	2	1	1	341	2.45	0.09	17	14	6	37	5	3	23	27	95	2	0.27	2.02	0.02	0.12	0.56	0.041	
9800N 1025E	8	22	98	0.2	0.1	7	3	2	2	2	4	427	2.74	0.07	19	14	9	51	5	3	50	38	89	2	0.64	2.45	0.02	0.07	0.66	0.048	
9800N 1050E	5	10	76	0.2	0.1	1	2	2	2	1	1	486	2.20	0.10	12	9	7	43	5	8	32	32	83	2	0.40	1.62	0.02	0.08	0.58	0.029	
9800N 1075E	7	20	75	0.2	0.1	1	3	2	2	1	6	342	3.18	0.09	15	10	5	46	5	10	17	27	91	2	0.15	2.78	0.01	0.08	0.50	0.048	
9800N 1100E	6	16	67	0.2	0.1	1	2	2	2	1	1	353	3.89	0.11	14	8	5	64	5	7	12	22	49	2	0.10	1.68	0.01	0.07	0.49	0.028	
9800N 1125E	10	22	99	0.3	0.1	1	2	2	2	1	1	405	2.97	0.11	18	15	7	47	5	10	20	30	93	2	0.28	2.17	0.01	0.14	0.64	0.049	
9800N 1150E	7	17	87	0.3	0.2	1	5	2	2	4	3	312	2.63	0.08	15	10	6	57	5	4	19	22	77	2	0.21	1.92	0.02	0.06	0.49	0.029	
9800N 1175E	9	14	79	0.2	0.1	1	2	2	2	2	1	426	2.65	0.12	15	12	6	46	5	11											

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %	
SKARN ZONE Cont'd																															
9800N 1300E	9	24	85	0.3	0.2	16	2	2	2	3	1	627	2.78	0.07	12	13	8	50	27	8	33	44	100	2	0.65	1.83	0.01	0.10	0.66	0.061	
9800N 1350E	13	30	105	0.4	0.1	1	7	2	2	1	1	842	4.24	0.07	14	18	12	95	14	17	39	57	106	2	0.50	1.70	0.02	0.13	0.72	0.072	
9800N 1375E	13	35	109	0.3	0.1	3	5	2	2	1	4	742	3.80	0.07	13	14	12	74	5	10	37	45	99	2	0.46	1.79	0.02	0.13	0.76	0.058	
9800N 1400E	12	35	101	0.2	0.2	25	5	2	2	1	1	653	3.24	0.06	11	12	11	60	9	10	46	45	111	2	0.57	1.95	0.02	0.11	0.78	0.060	
9800N 1425E	10	26	97	0.4	0.1	2	5	2	2	1	1	569	3.36	0.07	10	11	9	60	5	9	37	38	88	2	0.53	1.70	0.01	0.12	0.77	0.050	
9800N 1450E	51	211	521	3.2	0.5	2	7	2	2	1	2	1016	3.40	0.05	18	26	11	35	5	8	25	35	64	2	1.34	1.40	0.01	0.12	0.72	0.042	
9800N 1475E	26	176	510	1.7	0.4	4	6	2	2	1	4	962	3.52	0.06	18	26	11	46	5	9	18	43	81	2	0.36	1.77	0.01	0.14	0.73	0.056	
9800N 1500E	35	270	621	2.1	0.3	6	9	2	3	1	6	1550	4.26	0.06	23	39	16	46	5	9	17	47	90	15	0.26	1.89	0.02	0.15	0.77	0.054	
9800N 1525E	21	23	115	0.2	0.2	4	7	2	2	1	6	362	3.81	0.01	24	30	10	48	5	5	11	27	90	2	0.07	2.72	0.01	0.13	0.52	0.043	
9800N 1550E	19	21	74	0.2	0.1	2	6	2	2	1	3	288	3.69	0.03	22	22	8	44	5	2	10	28	47	2	0.05	1.80	0.01	0.09	0.40	0.045	
9800N 1575E	18	14	59	0.2	0.2	4	7	2	2	1	1	219	3.64	0.01	20	16	6	41	5	2	9	23	39	2	0.03	1.48	0.01	0.08	0.24	0.050	
9800N 1600E	29	17	92	0.2	0.2	1	9	2	2	1	1	734	5.15	0.05	29	32	19	42	5	3	13	27	66	2	0.08	2.12	0.01	0.11	0.55	0.052	
9800N 1625E	17	18	73	0.2	0.2	1	8	2	2	1	1	499	4.59	0.05	21	16	7	60	5	2	9	24	39	2	0.04	1.54	0.01	0.10	0.37	0.053	
9800N 1650E	9	13	39	0.2	0.1	3	2	2	2	1	1	135	2.30	0.01	14	7	3	30	5	2	7	25	29	2	0.03	1.31	0.01	0.06	0.14	0.041	
9800N 1675E	15	13	57	0.2	0.2	1	6	2	2	1	1	301	4.84	0.04	21	13	5	45	5	2	8	23	32	2	0.04	1.35	0.01	0.07	0.24	0.050	
9800N 1700E	16	11	51	0.2	0.4	1	5	2	2	1	1	225	3.44	0.02	18	12	5	33	5	2	7	24	34	2	0.03	1.43	0.01	0.07	0.23	0.053	
9800N 1725E	16	15	50	0.2	0.1	2	5	2	2	1	1	242	4.42	0.03	18	10	4	66	5	2	6	31	30	2	0.02	1.12	0.01	0.05	0.09	0.049	
9800N 1750E	22	11	46	0.2	0.1	1	5	2	2	1	1	110	2.91	0.01	15	10	3	48	5	2	7	36	30	2	0.01	1.23	0.01	0.06	0.06	0.073	
9800N 1775E	5	2	17	0.2	0.2	1	2	2	2	1	1	26	0.50	0.01	3	2	1	7	5	2	7	2	12	2	0.03	0.30	0.03	0.03	0.02	0.031	
9800N 1800E	59	21	106	0.2	0.6	1	15	2	2	1	1	589	5.61	0.01	29	30	29	55	2	25	25	55	2	0.11	1.54	0.01	0.12	0.39	0.148		
9800N 1825E	16	4	25	0.2	0.2	1	4	2	2	1	1	71	1.27	0.01	6	6	5	11	5	2	7	6	15	2	0.04	0.45	0.03	0.03	0.06	0.042	
9800N 1850E	148	38	144	0.2	0.7	2	54	2	2	1	1	1565	8.65	0.01	37	77	70	34	5	7	19	44	37	2	0.08	2.26	0.01	0.10	0.68	0.110	
9800N 1875E	133	69	182	0.2	0.4	4	61	2	2	1	1	1031	9.23	0.02	34	75	62	33	5	11	21	46	33	2	0.08	2.22	0.01	0.10	0.68	0.107	
9800N 1900E	174	176	322	0.5	1.3	4	39	2	6	1	1	2874	9.94	0.02	38	108	145	38	5	7	22	46	54	2	0.05	2.70	0.01	0.17	0.71	0.117	
9800N 1925E	105	103	210	0.2	1.0	2	29	2	4	1	1	2337	7.19	0.02	27	73	107	27	5	2	16	28	43	2	0.05	2.18	0.02	0.13	0.45	0.123	
9800N 1950E	26	36	65	0.2	0.9	1	5	2	2	1	1	724	2.24	0.01	9	18	24	13	5	2	7	8	17	2	0.04	0.91	0.03	0.05	0.13	0.056	
9800N 1975E	73	28	128	0.5	0.5	2	19	2	5	1	1	1962	8.96	0.03	41	93	96	43	5	7	23	29	63	2	0.07	2.87	0.01	0.23	0.79	0.094	
9800N 2000E	73	20	109	0.4	0.2	4	23	2	6	1	1	1639	8.43	0.03	39	88	83	42	5	4	20	22	62	2	0.04	2.70	0.01	0.20	0.73	0.104	
9900N 1000E	8	18	59	0.2	0.1	1	2	2	2	1	2	248	3.52	0.05	16	9	4	56	5	5	10	20	51	2	0.05	1.91	0.01	0.05	0.33	0.023	
9900N 1025E	8	20	75	0.6	0.1	1	2	2	3	1	1	326	4.19	0.11	21	12	5	49	5	10	18	19	63	2	0.19	3.54	0.01	0.08	0.50	0.046	
9900N 1050E	11	21	94	0.5	0.1	1	2	2	2	3	2	482	3.03	0.06	16	15	8	51	5	3	26	25	98	2	0.25	2.22	0.01	0.10	0.58	0.031	
9900N 1075E	9	19	88	0.4	0.1	1	2	2	2	2	1	390	3.37	0.09	17	13	6	47	5	6	17	25	73	2	0.19	2.23	0.01	0.10	0.59	0.038	
9900N 1125E	9	25	90	0.6	0.1	1	2	2	2	1	1	418	3.89	0.10	20	12	6	52	5	12	14	24	77	2	0.18	4.52	0.01	0.08	0.56	0.065	
9900N 1150E	10	22	91	0.6	0.1	3	2	2	2	1	2	375	3.56	0.09	20	14	7	52	5	12	13	21	69	2	0.12	4.02	0.01	0.09	0.56	0.049	
9900N 1175E	7	19	77	0.2	0.1	1	2	2	2	1	1	284	2.85	0.08	15	11	5	39	5	8	9	20	57	2	0.08	2.33	0.01	0.07	0.44	0.029	
9900N 1200E	9	17	78	0.4	0.1	1	3	2	2	1	3	373	4.45	0.10	17	9	6	65	5	9	10	20	58	2	0.07	2.80	0.01	0.06	0.54	0.031	
9900N 1225E	7	18	69	0.4	0.1	1	2	2	2	1	2	408	2.53	0.10	12	9	6	41	5	11	17	27	66	2	0.28	2.08	0.01	0.12	0.54	0.053	
9900N 1250E	10	19	78	0.3	0.1	1	5	2	2	1	1	343	3.45	0.08	19	15	6	42	5	8	10	19	76	2	0.09	3.01	0.01	0.08	0.49	0.039	
9900N 1275E	8	16	80	0.3	0.3	1	5	3	2	1	2	307	2.86	0.09	17	12	6	39	5	8	10	22	73	2	0.10	2.65	0.01	0.08	0.50	0.038	
9900N 1300E	12	21	85	0.2	0.1	1	4	2	3	1	2	429	2.91	0.10	17	15	8	43	5	9	16	34	82	2	0.23	2.13	0.01	0.12	0.60	0.054	
9900N 1325E	7	25	93	0.4	0.2	1	5	2	2	2	2	547	2.87	0.08	11	9	7	58	19	9	33	48	114	2	0.57	1.94	0.01	0.09	0.77	0.047	
9900N 1425E	6	24	89	0.4	0.2	6	2	2	2	1	1	580	3.08	0.06	9	7	8	68	5	12	33	43	84	2	0.52	1.37	0.01	0.09	0.67	0.042	
9900N 1450E	10	25	92	0.4	0.1	1	3	2	2	2	1	726	2.86	0.04	9	10	10	50	5	6	32	38	109	2	0.47	1.66	0.01	0.09	0.65	0.056	
9900N 1475E	8	29	97	0.4	0.2	5	3	2	2	1	1	801	2.65	0.06	8	7	9	49	7	8	40	36	110	2	0.54	1.71	0.01	0.11	0.73	0.060	
9900N 1500E	8	25	80	0.2	0.2	1	4	2	2	2	3	674	2.52	0.06	7	8	8	46	6	9	34	41	98	2	0.50	1.56	0.01	0.10	0.69	0.062	
9900N 1525E	6	20	71	0.2	0.1	1	2	2	2	1	1	547	2.90	0.06	9	6	9	61	5	11	18	38	56	2	0.26	1.15	0.01	0.07	0.60	0.041	
9900N 1550E	11	29	104	0.2	0.1	1	4	2	2	2	1	596	3.29	0.06	12	12	12	59	5	9	41	39	84	2	0.48	1.75	0.01	0.11	0.73	0.059	
9900N 1575E	3	15	41	0.2	0.1	6	2	2	2	1	1	198	1.17	0.02	4	3	3	25	5	2	18	22	62	2	0.18	1.00	0.02	0.05	0.28	0.029	
9900N 1600E	29	25	99	0.2	0.1	1	6	2	2	1	1	461	4.80	0.05	23	35	15	44	5	5	17	26	53	2	0.17	2.					

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Hg %	P %
SKARN ZONE Cont'd																														
9900N 1750E	49	23	106	0.2	0.1	3	18	2	2	1	1	766	8.34	0.02	31	39	20	33	5	7	9	24	46	2	0.04	2.84	0.01	0.11	0.50	0.075
9900N 1800E	14	5	17	0.2	0.4	1	2	2	2	1	1	57	1.51	0.01	7	6	2	19	5	2	5	11	17	2	0.02	0.58	0.02	0.03	0.03	0.044
9900N 1825E	33	26	87	0.2	0.2	2	10	2	3	2	1	446	5.11	0.05	23	42	21	38	5	7	11	27	49	2	0.07	2.32	0.01	0.10	0.51	0.059
9900N 1850E	41	35	63	0.2	0.2	1	21	2	2	2	1	364	9.29	0.01	21	21	8	66	5	3	14	33	41	2	0.01	1.85	0.01	0.08	0.16	0.134
9900N 1875E	27	25	81	0.2	0.1	1	9	2	2	1	2	428	4.33	0.05	20	28	12	46	5	11	11	29	49	2	0.08	2.19	0.01	0.10	0.52	0.041
9900N 1900E	42	21	50	0.2	0.5	1	37	2	2	1	1	1044	9.45	0.01	38	29	17	53	5	2	8	20	41	2	0.03	1.90	0.01	0.06	0.12	0.274
10000N 1000E	8	20	90	0.2	0.1	1	2	2	2	2	1	343	3.10	0.09	18	14	6	40	5	5	26	24	67	2	0.23	2.15	0.01	0.10	0.56	0.028
10000N 1025E	19	18	94	0.2	0.1	1	2	2	2	2	6	479	2.95	0.09	26	25	12	41	5	4	49	52	40	2	0.48	2.37	0.02	0.14	0.58	0.028
10000N 1050E	10	16	83	0.2	0.1	1	2	2	2	2	2	268	2.57	0.07	22	15	5	38	5	2	40	20	73	2	0.52	1.95	0.01	0.09	0.53	0.029
10000N 1075E	11	23	90	0.2	0.1	1	2	2	2	1	1	399	3.43	0.10	22	18	7	42	5	6	20	22	80	2	0.20	2.91	0.01	0.12	0.63	0.040
10000N 1100E	7	21	86	0.2	0.1	1	2	2	2	1	1	334	3.23	0.08	20	13	5	43	5	7	14	21	72	2	0.09	2.58	0.01	0.11	0.48	0.026
10000N 1125E	8	17	52	0.2	0.1	1	2	2	2	2	2	174	4.39	0.09	20	11	3	63	5	5	19	23	45	2	0.14	2.37	0.01	0.05	0.18	0.037
10000N 1150E	11	21	101	0.2	0.1	1	2	2	3	1	1	368	5.42	0.10	23	18	6	58	5	9	13	23	74	2	0.08	2.50	0.01	0.09	0.57	0.025
10000N 1175E	8	18	76	0.2	0.1	1	2	2	2	2	3	382	2.80	0.09	15	13	6	42	5	7	19	26	68	2	0.27	1.87	0.01	0.09	0.59	0.047
10000N 1200E	6	22	73	0.2	0.1	2	2	2	2	1	3	281	3.18	0.08	16	8	3	41	5	9	7	20	52	2	0.05	2.83	0.01	0.07	0.34	0.030
10000N 1225E	9	25	79	0.2	0.1	2	2	2	2	1	4	355	4.08	0.09	19	15	7	59	5	12	14	21	75	5	0.10	4.20	0.01	0.07	0.54	0.049
10000N 1250E	10	20	80	0.2	0.1	1	2	2	2	1	1	396	2.98	0.10	15	12	6	45	5	11	15	26	90	2	0.20	2.34	0.01	0.10	0.61	0.051
10000N 1275E	8	16	63	0.2	0.2	1	2	2	2	1	1	305	2.46	0.09	13	10	4	38	5	6	13	23	68	2	0.17	2.11	0.01	0.10	0.47	0.046
10000N 1300E	6	20	66	0.2	0.1	1	2	2	2	1	1	225	2.61	0.06	15	8	4	40	5	8	6	20	61	2	0.04	2.36	0.01	0.07	0.31	0.022
10000N 1325E	9	18	75	0.2	0.1	1	2	2	3	1	1	351	2.89	0.09	15	12	6	41	5	9	12	23	74	2	0.14	2.19	0.01	0.10	0.54	0.051
10000N 1350E	15	21	86	0.2	0.1	1	2	2	2	1	1	469	3.10	0.11	16	16	8	44	5	12	15	26	79	2	0.17	2.23	0.01	0.15	0.64	0.035
10000N 1425E	9	19	84	0.2	0.1	1	2	2	2	2	1	461	2.73	0.13	13	11	7	52	5	15	24	41	91	2	0.42	1.78	0.01	0.14	0.71	0.061
10000N 1450E	12	21	85	0.2	0.1	1	3	2	3	1	2	512	3.11	0.10	14	14	8	53	5	12	18	31	87	2	0.31	2.06	0.01	0.14	0.63	0.062
10000N 1475E	6	22	90	0.2	0.1	1	2	2	2	2	1	537	2.37	0.07	8	6	6	44	7	6	34	42	143	2	0.55	1.91	0.02	0.08	0.66	0.052
10000N 1575E	4	30	81	0.3	0.1	6	2	2	2	1	1	425	2.52	0.04	7	4	6	46	5	5	34	32	123	2	0.31	2.07	0.01	0.09	0.67	0.041
10000N 1600E	5	20	67	0.2	0.1	2	2	2	2	1	1	341	2.32	0.04	7	4	4	49	5	2	24	21	94	2	0.20	1.54	0.01	0.08	0.49	0.041
10000N 1625E	6	27	93	0.3	0.1	1	3	2	3	1	1	765	2.62	0.06	8	1	7	54	13	7	38	48	93	2	0.57	1.66	0.01	0.09	0.76	0.069
10000N 1650E	5	27	92	0.3	0.2	10	4	2	2	1	1	660	3.02	0.07	12	2	8	64	10	7	32	39	83	2	0.42	1.62	0.01	0.09	0.75	0.056
10000N 1700E	6	21	85	0.2	0.1	1	2	2	2	1	1	684	2.89	0.07	8	1	7	64	17	13	36	47	93	2	0.51	1.49	0.01	0.09	0.72	0.062
10000N 1725E	17	20	75	0.2	0.1	1	2	2	2	1	1	705	3.26	0.03	13	9	12	47	5	2	19	22	51	2	0.18	1.26	0.01	0.11	0.40	0.040
10000N 1750E	25	36	105	0.2	0.1	1	5	2	2	1	1	678	3.85	0.03	17	15	16	49	12	2	24	35	77	2	0.18	2.03	0.01	0.10	0.67	0.059
10000N 1800E	8	19	77	0.2	0.1	1	2	2	2	1	1	458	3.00	0.04	14	5	6	63	5	2	9	23	60	2	0.10	1.71	0.01	0.08	0.50	0.035
10000N 1825E	11	23	100	0.2	0.1	1	10	2	2	1	1	464	3.17	0.04	18	9	8	58	5	6	11	26	82	2	0.17	2.43	0.01	0.09	0.54	0.065
10000N 1850E	6	18	48	0.2	0.1	1	2	2	2	1	1	207	2.02	0.04	11	3	4	38	5	2	10	21	44	2	0.07	1.77	0.01	0.04	0.26	0.036
10000N 1875E	7	20	57	0.2	0.1	1	2	2	2	1	3	313	3.49	0.07	12	4	5	79	5	2	9	18	35	2	0.06	1.48	0.01	0.05	0.37	0.031
10000N 1900E	6	17	68	0.2	0.1	1	4	2	2	1	1	263	2.57	0.06	12	3	3	35	5	4	7	15	33	2	0.07	2.08	0.01	0.06	0.32	0.039
10000N 1925E	17	23	88	0.2	0.1	1	6	2	2	1	1	484	3.08	0.08	18	12	9	44	5	7	12	25	59	2	0.17	2.19	0.01	0.09	0.56	0.049
10000N 1950E	8	14	60	0.2	0.1	1	7	2	2	1	1	289	2.98	0.07	14	4	4	40	5	2	7	18	37	2	0.04	1.73	0.01	0.06	0.33	0.026
10000N 1975E	17	22	82	0.2	0.1	1	10	2	2	1	1	376	5.29	0.08	25	10	7	63	5	5	8	19	43	2	0.05	2.79	0.01	0.08	0.51	0.044
10000N 2000E	14	25	69	0.2	0.2	1	2	2	2	1	1	316	4.70	0.06	24	9	6	51	5	9	8	20	45	2	0.06	4.20	0.01	0.06	0.38	0.061
10100N 1000E	14	22	83	0.2	0.2	1	2	2	2	2	1	1244	2.59	0.06	22	15	10	39	16	2	59	55	123	2	0.86	2.52	0.02	0.10	0.50	0.059
10100N 1025E	14	18	111	0.2	0.1	1	5	2	2	2	1	338	3.72	0.15	43	19	8	52	5	5	26	26	91	3	0.21	2.50	0.02	0.11	0.71	0.030
10100N 1050E	17	18	90	0.4	0.4	1	3	2	2	2	2	969	2.24	0.04	16	13	13	35	13	2	90	34	146	2	2.12	2.09	0.02	0.09	0.43	0.077
10100N 1075E	7	14	86	0.5	0.1	1	4	2	2	1	1	431	2.50	0.08	15	6	7	43	5	3	28	32	49	2	0.48	1.49	0.01	0.07	0.55	0.033
10100N 1100E	5	15	56	0.2	0.1	1	4	2	2	1	2	237	3.35	0.11	15	3	3	59	5	4	17	16	47	2	0.10	1.73	0.01	0.06	0.28	0.024
10100N 1125E	11	19	82	0.2	0.2	1	6	2	3	1	1	328	3.65	0.11	24	8	6	47	5	10	10	20	68	2	0.07	3.53	0.01	0.10	0.50	0.030
10100N 1150E	3	10	56	0.2	0.1	1	2	2	2	4	3	201	1.37	0.09	6	1	2	31	5	3	9	18	38	2	0.12	1.03	0.01	0.06	0.30	0.008
10100N 1175E	9	22	92	0.2	0.1	1	5	2	2	1	1	364	3.41	0.10	17	8	6	50	5	9	11	23	57	2	0.08	2.93	0.01	0.07	0.51	0.030
10100N 1200E	11	24	87	0.2	0.2	1	8	2	2	1	1	387	3.16	0.09	21	9	7	40	5	10	9	19	64	2	0.07	3.62	0.01	0.12	0.54	0.033
10100N 1225E	6	19	98	0.2	0.1	1	5	2	2	2	1	418																		

ELEMENT SAMPLE	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %	
SKARN ZONE Cont'd																															
10100N 1325E	8	20	72	0.2	0.1	1	6	2	2	1	1	281	2.76	0.06	13	6	4	50	5	6	8	21	65	2	0.05	1.80	0.01	0.06	0.38	0.023	
10100N 1350E	7	16	79	0.2	0.1	1	5	2	2	2	1	332	3.48	0.09	12	5	5	54	5	7	10	16	51	2	0.06	1.83	0.01	0.09	0.46	0.023	
10100N 1375E	6	18	62	0.2	0.1	1	8	2	3	1	2	254	2.47	0.07	12	4	4	43	5	2	8	17	47	2	0.05	1.51	0.01	0.07	0.36	0.029	
10100N 1400E	9	19	84	0.2	0.1	1	9	2	2	2	1	383	2.91	0.08	12	6	7	48	6	4	16	23	56	2	0.23	1.92	0.01	0.07	0.54	0.037	
10100N 1425E	16	13	87	0.2	0.1	1	11	2	3	3	2	527	3.08	0.06	22	20	10	48	68	4	24	73	79	2	0.39	2.01	0.01	0.10	0.63	0.057	
10100N 1475E	5	21	85	0.2	0.1	1	11	2	3	1	2	502	2.66	0.11	14	2	6	55	38	13	27	40	57	2	0.58	1.47	0.02	0.11	0.70	0.066	
10100N 1500E	13	23	99	0.2	0.1	1	6	2	2	1	1	398	3.02	0.07	15	8	7	51	5	2	14	23	72	2	0.16	2.40	0.01	0.09	0.63	0.038	
10100N 1525E	13	23	87	0.2	0.1	1	10	2	2	2	1	527	3.07	0.11	15	9	9	47	5	8	15	27	78	2	0.24	2.20	0.01	0.12	0.65	0.055	
10100N 1550E	13	27	85	0.4	0.1	2	7	2	2	2	3	443	3.44	0.10	19	17	8	50	5	8	14	28	81	2	0.18	2.29	0.01	0.11	0.66	0.054	
10100N 1575E	12	25	87	0.2	0.1	2	6	2	2	2	2	511	3.36	0.10	16	14	8	54	5	8	22	30	90	2	0.45	2.31	0.01	0.13	0.67	0.060	
10100N 1600E	10	26	103	0.6	0.1	1	4	2	6	1	2	723	3.78	0.11	13	8	8	90	12	12	29	54	100	2	0.47	1.91	0.01	0.11	0.76	0.067	
10100N 1625E	9	22	90	0.6	0.1	1	5	3	2	1	3	628	4.03	0.09	13	7	7	103	5	12	27	50	77	2	0.49	1.58	0.01	0.10	0.64	0.057	
10100N 1650E	10	26	92	0.5	0.2	1	5	4	2	1	2	761	3.04	0.09	11	8	7	61	11	7	38	45	128	2	0.61	2.03	0.02	0.10	0.77	0.066	
10100N 1675E	5	33	90	0.4	0.1	1	3	3	2	1	1	837	3.49	0.06	11	4	8	80	8	8	38	53	135	2	0.43	1.96	0.02	0.09	0.79	0.052	
10100N 1700E	5	28	69	0.4	0.1	34	2	2	2	1	1	431	2.64	0.05	8	4	6	55	5	6	31	37	96	2	0.39	1.70	0.01	0.07	0.67	0.042	
10100N 1725E	5	27	72	0.4	0.1	3	2	2	2	1	1	414	3.09	0.06	9	5	6	69	5	4	32	27	97	2	0.40	1.76	0.01	0.06	0.60	0.034	
10100N 1750E	4	26	70	0.3	0.1	1	2	2	2	1	1	662	2.74	0.08	6	4	7	55	5	10	25	30	119	2	0.42	1.44	0.01	0.09	0.74	0.048	
10100N 1775E	5	29	55	0.2	0.1	1	2	2	2	2	3	356	2.52	0.03	7	3	5	58	5	2	21	18	93	2	0.14	1.45	0.01	0.05	0.35	0.055	
10100N 1800E	6	35	91	0.4	0.1	1	2	2	2	1	1	497	3.13	0.06	10	7	7	63	5	4	30	39	137	2	0.35	2.31	0.01	0.08	0.77	0.069	
10100N 1825E	5	30	68	0.2	0.1	1	2	2	2	1	2	639	3.15	0.04	8	4	6	66	5	2	23	28	119	2	0.21	1.69	0.01	0.07	0.62	0.060	
10100N 1850E	5	43	80	0.5	0.1	1	2	2	2	1	1	1767	2.91	0.04	8	4	8	62	5	2	31	46	156	2	0.39	1.72	0.01	0.09	0.65	0.060	
10100N 1875E	5	32	71	0.5	0.1	1	3	2	2	1	1	655	2.93	0.06	8	4	7	62	5	7	33	45	102	2	0.45	1.67	0.01	0.09	0.72	0.042	
10100N 1900E	4	25	65	0.3	0.1	6	2	2	2	1	1	554	2.84	0.07	8	4	6	65	5	11	31	44	82	2	0.39	1.44	0.01	0.08	0.67	0.052	
10100N 1925E	4	28	77	0.3	0.1	1	3	3	2	1	1	677	3.38	0.07	9	5	7	79	5	11	31	51	100	2	0.43	1.60	0.01	0.09	0.75	0.068	
10100N 1950E	5	21	50	0.2	0.1	1	4	2	2	1	1	466	2.95	0.05	13	8	5	55	5	3	11	25	56	2	0.10	1.94	0.01	0.05	0.36	0.042	
10100N 1975E	7	21	61	0.2	0.1	1	2	2	2	1	1	484	2.74	0.08	9	6	6	57	5	11	15	43	69	2	0.25	1.40	0.01	0.10	0.57	0.057	
10100N 2000E	7	25	59	0.2	0.1	1	4	2	2	1	2	426	3.02	0.07	9	7	5	53	5	7	13	29	58	2	0.24	1.95	0.01	0.06	0.50	0.066	
10200N 1000E	9	20	88	0.3	0.1	1	4	2	4	2	1	294	2.99	0.09	19	13	6	42	5	6	12	23	69	2	0.08	2.96	0.01	0.10	0.44	0.026	
10200N 1025E	9	19	65	0.2	0.1	1	4	2	2	1	1	310	3.87	0.12	26	16	6	61	5	3	19	23	62	2	0.10	1.90	0.01	0.11	0.57	0.028	
10200N 1050E	9	16	78	0.3	0.1	2	6	3	2	1	2	345	3.45	0.10	28	17	7	47	5	6	19	19	94	2	0.13	3.37	0.01	0.11	0.55	0.048	
10200N 1075E	9	22	64	0.3	0.1	1	2	2	2	1	1	330	4.09	0.11	26	15	6	57	5	7	17	24	70	2	0.14	3.05	0.01	0.09	0.53	0.051	
10200N 1100E	9	21	67	0.2	0.1	1	5	4	2	1	1	341	3.17	0.08	20	16	7	52	5	5	12	24	83	2	0.14	2.58	0.01	0.08	0.55	0.044	
10200N 1125E	8	16	67	0.3	0.1	2	5	2	2	2	1	353	4.57	0.13	33	17	6	74	5	7	10	21	70	2	0.08	2.26	0.01	0.12	0.62	0.028	
10200N 1150E	9	20	73	0.2	0.1	1	4	2	3	1	1	330	3.41	0.09	21	14	5	46	5	4	20	22	69	2	0.22	2.65	0.01	0.11	0.51	0.040	
10200N 1175E	9	20	62	0.2	0.1	1	3	3	2	1	1	351	2.85	0.09	15	10	5	62	5	2	26	23	87	2	0.36	1.84	0.01	0.09	0.51	0.029	
10200N 1200E	10	20	72	0.3	0.1	2	5	2	2	1	2	394	3.94	0.09	18	14	7	62	5	6	17	30	80	2	0.15	2.71	0.01	0.10	0.57	0.048	
10200N 1225E	7	19	55	0.2	0.1	1	2	2	2	1	3	294	2.55	0.08	12	9	5	55	5	5	12	26	58	2	0.17	1.90	0.01	0.06	0.40	0.042	
10200N 1250E	8	31	85	0.3	0.1	1	7	2	3	1	3	411	3.52	0.10	20	13	6	49	5	9	10	23	76	2	0.10	2.83	0.01	0.12	0.52	0.032	
10200N 1275E	10	21	63	0.2	0.2	1	5	6	2	2	3	356	2.60	0.06	13	14	6	50	5	3	23	28	116	2	0.24	2.09	0.01	0.06	0.46	0.035	
10200N 1300E	16	25	94	0.2	0.2	1	21	2	2	6	4	697	3.35	0.05	22	26	11	80	45	3	25	24	81	2	0.55	2.21	0.01	0.10	0.62	0.053	
10200N 1325E	11	18	82	0.2	0.1	2	3	2	2	2	1	396	5.39	0.07	21	14	7	73	5	3	8	18	67	2	0.06	2.44	0.01	0.05	0.54	0.039	
10200N 1350E	11	26	92	0.2	0.1	1	16	3	2	5	5	378	3.42	0.05	21	21	8	69	5	4	11	20	91	2	0.11	2.36	0.01	0.08	0.61	0.025	
10200N 1375E	10	13	48	0.2	0.1	1	5	2	2	8	2	166	2.54	0.09	14	9	3	78	5	4	25	18	65	2	0.45	1.10	0.01	0.06	0.22	0.020	
10200N 1400E	10	18	75	0.4	0.2	1	7	2	2	3	5	797	2.49	0.06	16	15	7	50	95	3	49	43	135	2	1.25	2.04	0.01	0.06	0.57	0.072	
10200N 1425E	5	16	74	0.3	0.1	1	3	2	2	1	2	265	3.67	0.06	18	10	4	38	5	6	7	17	64	2	0.06	2.51	0.01	0.07	0.44	0.029	
10200N 1450E	11	20	77	0.3	0.1	2	2	2	2	2	4	403	4.89	0.09	20	15	7	67	5	7	9	22	65	2	0.06	2.46	0.01	0.07	0.54	0.028	
10200N 1475E	11	20	90	0.2	0.1	1	2	2	3	2	2	404	4.01	0.09	21	17	7	52	5	10	9	20	78	3	0.07	3.19	0.01	0.08	0.59	0.031	
10200N 1500E	5	20	69	0.2	0.2	1	2	2	2	2	1	259	3.46	0.08	14	8	3	47	5	6	7	18	62	2	0.06	1.83	0.01	0.07	0.38	0.028	
10200N 1525E	2	16	28	0.2	0.1	1	2	2	2	2	1	111	1.18	0.06	7	2	1	32	5	2	5	17	29	2	0.04	0.78	0.01				

ELEMENT	Cu	Pb	Zn	Cd	Ag	Au	As	Sb	Bi	Mo	W	Mn	Fe	Ti	Cr	Ni	Co	V	U	Th	Sr	La	Ba	B	Ca	Al	Na	K	Mg	P	
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	
SKARN ZONE Cont'd																															
10200N 1650E	8	30	74	0.2	0.3	1	2	2	2	1	1	331	3.01	0.07	12	10	5	40	5	7	7	14	52	2	0.05	1.97	0.01	0.07	0.47	0.030	
10200N 1675E	9	21	68	0.2	0.3	1	2	2	2	1	2	377	3.40	0.06	12	8	5	57	5	3	10	19	59	2	0.07	1.77	0.01	0.07	0.45	0.034	
10200N 1700E	6	23	75	0.2	0.2	2	2	3	2	1	2	414	3.70	0.08	13	7	4	72	5	7	10	22	61	2	0.06	2.05	0.01	0.08	0.42	0.047	
10200N 1725E	7	20	69	0.2	0.3	6	2	3	2	1	2	383	3.68	0.10	14	9	5	69	5	8	9	22	50	3	0.05	1.86	0.01	0.09	0.48	0.024	
10200N 1750E	8	29	90	0.2	0.1	1	2	3	3	1	3	481	3.44	0.11	13	9	6	60	5	8	12	27	66	5	0.20	2.68	0.01	0.10	0.66	0.069	
10200N 1775E	10	26	85	0.2	0.2	2	2	3	3	2	2	472	3.45	0.10	14	12	7	59	5	7	13	27	69	2	0.20	2.26	0.01	0.10	0.67	0.062	
10200N 1800E	10	26	89	0.2	0.4	1	2	5	2	1	2	504	3.79	0.10	14	10	7	63	5	6	13	25	65	2	0.20	2.15	0.01	0.09	0.69	0.067	
10200N 1825E	7	21	72	0.2	0.3	1	2	3	2	1	2	384	2.89	0.08	10	7	5	52	5	3	11	18	59	2	0.12	1.82	0.01	0.07	0.52	0.037	
10200N 1850E	7	13	59	0.2	0.2	1	2	3	2	1	2	307	2.52	0.08	11	7	4	52	5	3	10	17	44	2	0.07	1.20	0.01	0.06	0.44	0.022	
10200N 1875E	8	14	62	0.2	0.1	2	2	2	2	2	2	352	3.73	0.09	14	9	5	71	5	5	10	22	55	2	0.08	1.93	0.01	0.06	0.51	0.026	
10200N 1900E	9	16	67	0.2	0.1	1	2	2	2	1	1	436	3.29	0.09	12	7	5	64	5	3	12	23	56	2	0.13	1.71	0.01	0.07	0.61	0.032	
10200N 1925E	7	22	47	0.2	0.1	1	2	3	2	1	3	322	3.50	0.08	12	6	4	61	5	7	9	22	41	2	0.12	1.98	0.01	0.06	0.39	0.048	
10200N 1950E	7	19	60	0.2	0.1	1	2	2	2	1	1	434	3.55	0.08	12	7	5	74	5	3	10	25	50	2	0.15	1.61	0.01	0.07	0.54	0.042	
10200N 1975E	8	21	87	0.4	0.2	2	2	2	2	1	1	609	3.08	0.10	10	5	6	71	5	10	30	47	97	2	0.48	1.50	0.01	0.09	0.66	0.042	
10200N 2000E	4	14	42	0.2	0.1	1	2	2	2	1	1	237	2.17	0.05	7	2	3	48	5	2	9	19	34	2	0.07	1.25	0.01	0.04	0.32	0.028	

Duplicate/check samples

9300N 1500E	22	26	93	0.2	0.2	6	12	2	2	1	4	476	5.66	0.03	26	22	11	55	5	11	10	28	48	2	0.07	2.24	0.01	0.06	0.51	0.113
9200N 1500E	15	21	80	0.2	0.6	3	18	2	2	1	2	514	4.37	0.04	24	17	9	39	5	9	9	25	35	2	0.08	1.69	0.01	0.07	0.63	0.071
9000N 1400E	18	33	109	0.2	0.3	2	13	2	2	1	1	783	3.62	0.05	17	28	13	51	5	4	18	28	121	2	0.20	2.33	0.01	0.13	0.68	0.049
9000N 1350E	7	20	74	0.2	0.3	1	5	2	3	1	2	350	3.43	0.10	16	8	5	74	5	5	16	17	49	2	0.12	1.59	0.01	0.08	0.54	0.013
9000N 1300E	16	25	99	0.2	0.1	1	3	2	2	1	1	567	3.20	0.06	16	21	9	51	5	5	26	34	133	2	0.31	2.21	0.01	0.13	0.67	0.045
9000N 1225E	7	19	58	0.2	0.2	2	4	2	2	1	1	208	2.13	0.05	12	9	3	44	5	3	17	22	62	2	0.18	1.43	0.01	0.07	0.32	0.021
9000N 1050E	15	15	69	0.2	0.2	1	9	2	2	1	1	299	3.23	0.03	19	21	7	40	5	2	20	32	70	2	0.20	1.55	0.01	0.07	0.42	0.026
9000N 900E	24	14	86	0.2	0.1	6	5	2	2	1	1	476	5.66	0.01	36	30	11	35	5	6	12	33	28	2	0.09	2.29	0.01	0.03	0.85	0.033
9000N 950E	23	24	108	0.2	0.2	2	4	2	2	1	1	660	3.49	0.06	19	29	20	40	5	5	25	29	114	2	0.32	2.16	0.01	0.12	0.64	0.043
9200N 1025E	16	21	87	0.2	0.1	1	4	2	2	1	1	480	2.98	0.08	16	23	9	41	5	7	29	33	90	2	0.36	1.91	0.01	0.10	0.64	0.053
9200N 1075E	21	24	86	0.2	0.4	1	4	2	2	1	1	627	2.82	0.08	14	35	10	47	6	7	32	51	72	2	0.45	1.69	0.01	0.10	0.60	0.042
9200N 1150E	11	23	91	0.2	0.1	1	7	2	2	1	1	539	2.54	0.06	12	16	7	45	5	2	30	23	110	2	0.37	1.94	0.02	0.10	0.59	0.052
9200N 1200E	11	21	60	0.2	0.1	1	2	2	2	1	1	235	2.27	0.05	12	10	4	40	5	2	13	20	68	2	0.08	1.67	0.01	0.07	0.37	0.037
9200N 1275E	6	24	63	0.2	0.3	1	3	2	2	1	1	305	2.63	0.09	13	8	4	63	5	3	9	21	48	2	0.06	1.61	0.01	0.07	0.37	0.021
9200N 1375E	16	28	110	0.2	0.1	1	11	3	2	1	1	539	3.55	0.06	15	24	9	55	5	3	25	27	110	2	0.29	2.31	0.01	0.11	0.70	0.040
9200N 1450E	9	41	49	0.2	0.3	3	6	2	2	2	2	171	2.98	0.04	11	7	3	45	5	6	8	24	52	2	0.04	1.54	0.01	0.07	0.17	0.063

ROCKS:

621	3	434	296	1.8	0.3	3	11	2	2	4	11	936	0.78	0.01	87	7	1	9	5	5	32	31	35	2	1.46	0.41	0.01	0.15	0.11	0.013
622	499	3031	17348	127.2	2.5	33	4	2	2	7	2	2795	2.95	0.01	138	2	5	4	5	2	17	9	15	4	1.33	0.17	0.01	0.01	0.04	0.003
623	5	58	181	1.3	0.1	6	3	2	2	5	1	675	0.36	0.01	89	3	1	2	5	2	22	6	14	2	7.62	0.20	0.01	0.02	0.19	0.002
624	3	9	37	0.2	0.1	37	2	2	2	4	2	445	2.60	0.24	77	2	5	72	5	15	22	30	191	2	0.66	1.20	0.09	0.43	0.80	0.050
625	108	482	324	2.9	0.3	15	2	2	2	8	3	182	2.36	0.01	180	21	11	7	5	2	4	2	9	2	0.18	0.54	0.01	0.05	0.31	0.011
626	46	35	79	0.2	0.1	34	2	2	2	1	1	506	4.96	0.02	52	36	18	33	5	8	8	16	51	3	0.20	1.87	0.02	0.28	0.77	0.045
627	3	18	68	0.5	0.1	8	5	2	2	3	1	2080	0.57	0.01	47	4	1	3	5	2	220	11	21	2	12.48	0.18	0.01	0.05	0.04	0.002
628	462	7432	5034	24.4	12.5	52	23	6	28	2	36	16267	5.64	0.01	30	5	3	11	15	2	251	14	26	2	14.63	0.62	0.01	0.06	0.34	0.003
629	5	37	79	0.8	0.3	5	3	2	2	7	1	614	0.44	0.01	149	4	1	3	5	2	105	15	16	2	4.69	0.19	0.01	0.08	0.05	0.004
630	7030	14849	31826	228.4	66.9	45	31	6	127	2	5	10982	10.53	0.01	34	6	16	22	10	2	144	12	15	2	6.69	1.73	0.01	0.06	0.49	0.008
631	8	33	84	0.8	0.1	3	2	2	2	6	6	277	0.71	0.01	138	7	1	6	5	2	6	10	14	2	0.26	0.29	0.03	0.07	0.10	0.009
632	577	2054	4090	43.6	17.2	21	4	2	47	7	30	396	1.17	0.01	160	4	6	5	5	2	6	10	8	2	0.32	0.27	0.01	0.03	0.09	0.004
633	17	40	223	1.4	0.1	11	5	2	2	5	11	2033	3.04	0.01	90	15	6	16	5	3	29	6	18	2	1.90	1.12	0.01	0.11	0.45	0.017
634	7	20	49	0.2	0.1	20	2	2	2	4	1	487	2.59	0.27	85	3	5	69	5	15	28	28	267	2	0.63	1.46	0.14	0.75	0.81	0.050
635	43	39	68	0.2	0.2	49	25	2	2	3	1	316	4.19	0.02	69	24	15	24	5	7	5	15	52	2	0.08	1.66	0.02	0.29	0.68	0.039
636	21	14	19	0.2	0.1	21	2	2	2	7	1	151	1.90	0.02	172	5	3	12	5	5	12	18	9	2	0.41	0.87	0.07	0.02	0.23	0.051
638	44	60	98	0.2	1.7	51	50	2	5	4	1	592	5.09	0.01	97	18	9	17	5	4	17	13	29	2	0.45	1.59	0.03	0.11	0.38	0.032
639	14	16	25	0.2	0.1	45	26	2	2	5	1	192	3.08	0.02	141	7	7	12	5	6	6	18	32	2	0.12	0.83	0.01	0.18	0.28	0.052
642	28	16920	14232	189.3	79.1	71	11	4	179	4	7	7208	4.16	0.02	34	5	9	8	5	2	59	5	64	3	3.30	0.49	0.01	0.02	0.27	0.008

ELEMENT SAMPLE ROCKS cont'd	Cu ppm	Pb ppm	Zn ppm	Cd ppm	Ag ppm	Au ppb	As ppm	Sb ppm	Bi ppm	Mo ppm	W ppm	Mn ppm	Fe %	Ti %	Cr ppm	Ni ppm	Co ppm	V ppm	U ppm	Th ppm	Sr ppm	La ppm	Ba ppm	B ppm	Ca %	Al %	Na %	K %	Mg %	P %
643	23	21673	12924	109.1	2.5	22	4	2	2	2	3	3472	1.59	0.01	15	1	1	2	5	2	13	6	28	4	1.00	0.14	0.01	0.01	0.06	0.002
644	17265	14754	66879	722.1	46.7	140	18	7	3	31	8	995	10.93	0.01	36	4	87	5	5	2	5	2	9	2	0.09	0.18	0.01	0.02	0.04	0.010

SILTS:

DVS 1	9	75	129	1.0	0.1	5	6	2	7	2	1	1116	2.72	0.05	8	5	9	50	27	9	74	50	112	3	0.64	2.13	0.02	0.12	0.75	0.066
DVS 2	34	33	97	0.2	0.1	2	11	2	6	1	1	949	4.16	0.05	16	25	23	47	19	9	27	30	71	2	0.34	1.42	0.01	0.11	0.58	0.051
DVS 3	4	23	58	0.4	0.1	1	2	2	5	1	1	519	2.52	0.06	7	2	6	55	5	15	25	40	64	2	0.36	1.11	0.01	0.07	0.63	0.042
DVS 4	8	21	76	0.4	0.1	1	2	2	2	1	1	537	2.71	0.10	8	2	6	60	5	15	19	55	74	2	0.33	1.24	0.01	0.10	0.58	0.039
DVS 5	14	51	140	1.0	0.1	4	13	2	2	1	1	799	2.92	0.04	8	10	11	42	5	9	29	30	79	2	0.33	1.43	0.01	0.09	0.66	0.046
DVS 6	15	61	173	1.8	0.1	5	4	2	3	1	1	1014	2.84	0.04	8	17	17	42	20	9	56	37	109	3	0.45	1.68	0.01	0.11	0.72	0.061
DVS 7	15	67	146	1.1	0.2	9	20	2	6	2	1	1050	3.28	0.02	10	12	15	44	20	6	44	35	81	2	0.44	1.87	0.01	0.13	0.66	0.070
DVS 8	16	46	120	0.4	0.1	2	11	2	7	1	1	882	3.80	0.03	16	21	18	46	5	9	22	38	59	2	0.32	1.66	0.01	0.11	0.63	0.062
DVS 9	11	30	83	0.7	0.1	1	2	2	2	1	1	515	2.77	0.05	9	9	7	55	5	14	17	41	49	2	0.30	0.94	0.01	0.07	0.50	0.038
DVS 10	6	20	69	0.3	0.1	1	2	2	2	1	1	517	2.36	0.06	6	3	6	45	5	9	25	38	79	2	0.36	1.25	0.01	0.07	0.60	0.036
DVS 11	9	25	86	0.5	0.1	1	3	2	3	1	1	500	2.47	0.05	8	9	8	44	5	17	18	54	53	2	0.30	0.97	0.01	0.06	0.54	0.036
DVS 14	18	19	99	0.8	0.1	1	8	2	2	2	1	402	3.49	0.02	16	19	10	27	5	6	15	28	46	2	0.30	1.32	0.01	0.05	0.53	0.044
DVS 15	13	16	115	0.5	0.1	1	15	2	4	2	1	351	2.98	0.03	14	18	8	36	5	7	21	33	64	2	0.39	1.36	0.01	0.06	0.45	0.050
DVS 16	12	25	102	0.3	0.1	1	5	2	4	1	1	586	3.28	0.06	11	10	11	62	5	14	28	48	72	2	0.41	1.33	0.01	0.08	0.59	0.047

APPENDIX D
GEOPHYSICAL REPORT

SNOWDRIFT MINERALS INC.

**HLEM AND MAGNETOMETER SURVEYS
OF THE DOLLY VARDEN PROPERTY,
FRANCES LAKE AREA, YUKON TERRITORY**

M. A. Power M. Sc. P. Geo.

Quartz claims

LANCE 1-6	YB15739 - YB15744
LANCE 7-12	YB45922 - YB45927
LANCE 13-39	YB56165 - YB56191
COX 1-16	YB51272 - YB51287

Location: 61° 08' N 128° 40 ' W
NTS: 105 H 2
Territory / Province: Yukon Territory
Mining District: Watson Lake
Work Performed: August 31 - September 5, 1994
Date: September 16, 1994

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Summary

Horizontal loop electromagnetic (HLEM) and total magnetic field surveys were conducted on the Dolly Varden Property between August 31 and September 5, 1994 to locate massive sulphide skarn mineralization. A total of 7.5 line-km were surveyed with a Maxmin I-9 at frequencies of 3,520, 14,080 and 28,160 Hz and a 100 m coil spacing. A total of 12.5 line-km were surveyed with a proton precession magnetometer at a 12.5 m station spacing. The HLEM survey located several very weak conductors, one of which appears to be associated with massive sulphide mineralization exposed in a trench. Both the known mineralization and several conductor responses are located on a prominent east-west trending magnetic field low.

A. Introduction

This report describes the results of horizontal loop electromagnetic (HLEM) and total magnetic field surveys conducted on the Dolly Varden Property near Frances Lake, Watson Lake Mining District, Yukon Territory. The surveys were conducted to locate massive sulphide mineralization hosting base and precious metals.

B. Location and access

The Dolly Varden Property is located at 61° 08' N 128° 40' W approximately 80 km north of Watson Lake on Dolly Varden Creek (Figure 1). Currently, the property can only be reached by helicopter with the nearest aircraft being based in Watson Lake. Sling loads can be staged from the Nahanni Range Road, approximately 20 km south of the property.

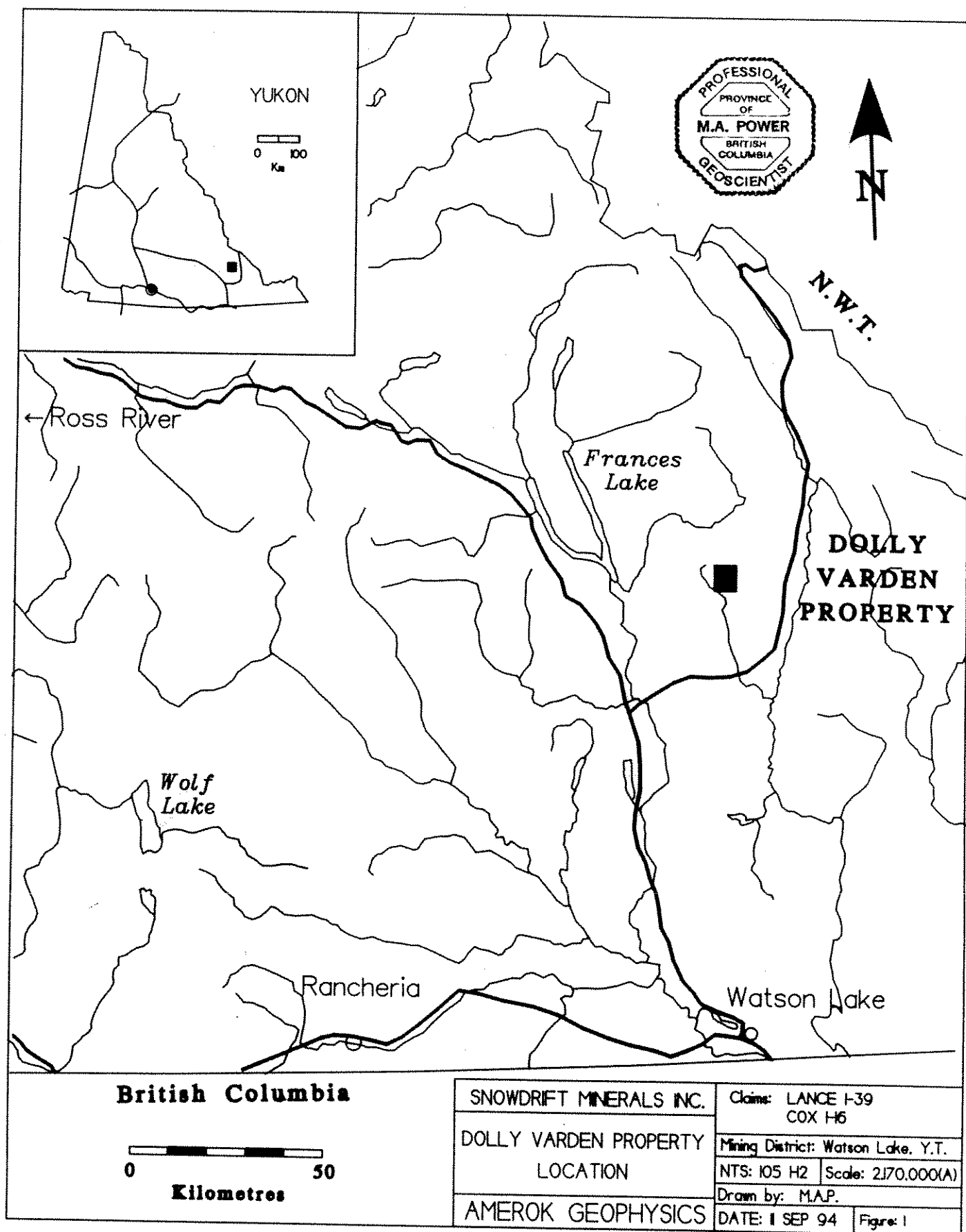
C. Property

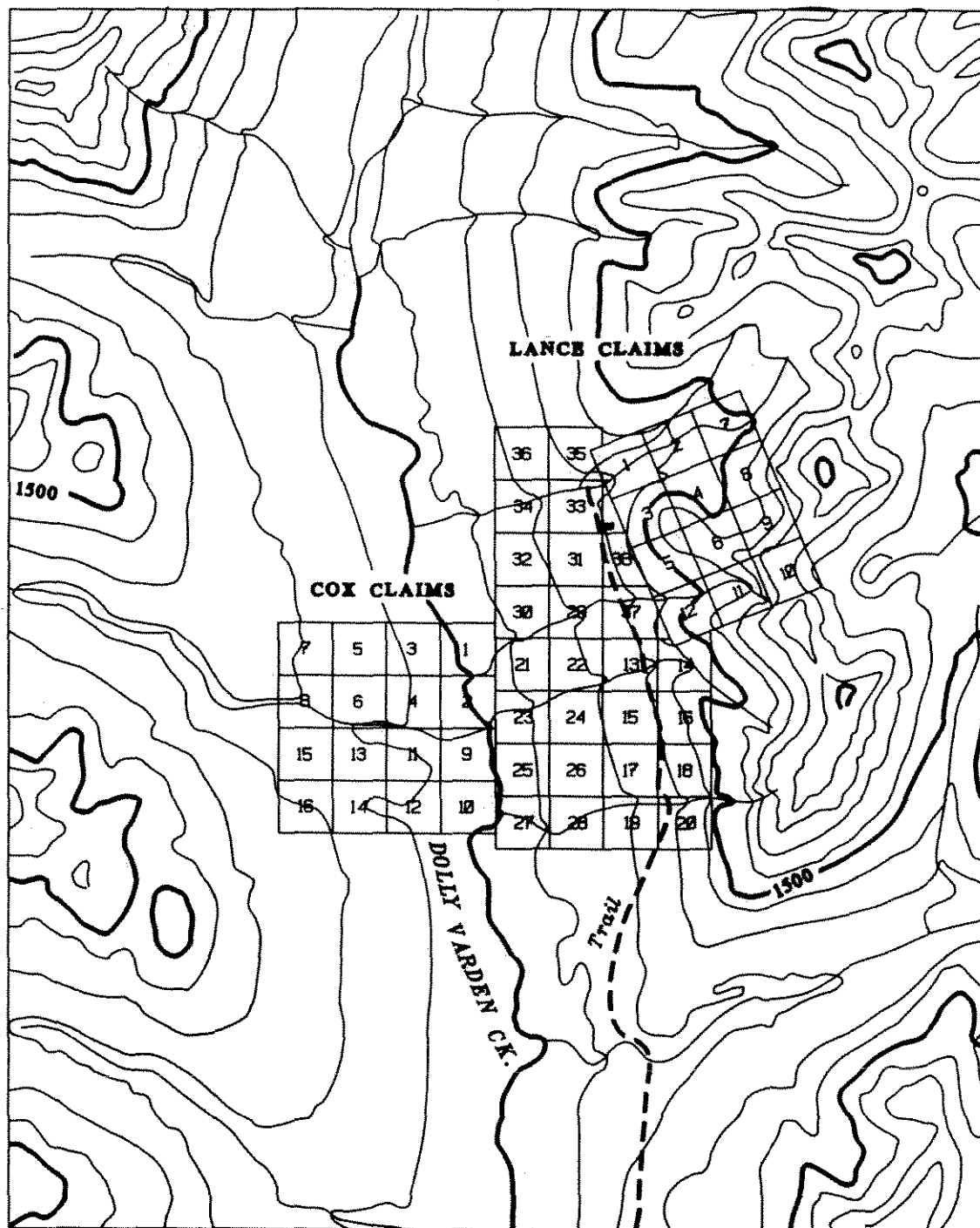
The Dolly Varden Property consist of 55 Quartz claims in the Watson Lake Mining District, Y.T. The claim block is shown in Figure 2 and the property data current to September 13, 1994 is shown below:

<u>Claim name</u>	<u>Record Number</u>	<u>Expiry Date</u>
LANCE 1-6	YB15739 - YB15744	July 19, 1996
LANCE 7-12	YB45922 - YB45927	July 14, 1996
LANCE 13-39	YB56165 - YB56191	August 26, 1994
COX 1-16	YB51272 - YB51287	July 19, 1996

D. Geology

The Dolly Varden Property is underlain by metamorphic and igneous rocks of the Omineca Belt (Wheeler and McFeely 1991). The property staddles the contact between Cambrian and/or Precambrian metasedimentary rocks and Cretaceous (?) intrusive rocks. (Roots *et al.* 1966). The metasedimentary rocks consist of quartz-feldspar-mica gneiss and schist, biotite schist, feldspathic and micaceous quartzite, minor marble and skarn. The intrusive rocks consist of monzonite, gneiss and granodiorite. In this area, the intrusive contact is up to 400 m wide with migmatite and intercalated intrusive rocks within the metasediments. Skarn mineralization consisting of galena, sphalerite, pyrite and chalcopyrite has developed in limey beds in the metasediments. Mineralized bodies consist of





0 1000
metres

Elevation in metres
Contour interval: 100 m



SNOWDRIFT MINERALS INC.

DOLLY VARDEN PROPERTY
CLAIM LOCATIONS

AMEROK GEOPHYSICS

Claims: LANCE 1-39
COX 1-6

Mining District: Watson Lake, Y.T.

NTS: 105 H2 Scale: 1:55,000

Drawn by: M.A.P.

DATE: 12 SEP 94 Figure: 2

disseminated to massive sulphides in steeply-dipping bands up to 60 cm wide. Previous IP/resistivity surveys demonstrated that, in general, these bodies are not highly conductive. This is not surprising given that sphalerite is a near-insulator and the crystal habit of galena inhibits electrical conduction (Palacky 1987).

E. Grid and survey specifications

The survey grid consisted 12.5 line-km in 15 lines turned off a north-south base line (Figure 3). Lines 9500N to 10000N were cut out while the rest were flagged. All lines were straight chained and flagged at 25 m intervals.

The HLEM survey was performed with an Apex Parametrics Maxmin I-9 (s/n 10357) using a 100 m coil spacing and 25 m station spacing over a restricted portion of the grid. A complete description of the system is provided in Betz (1976). Following test profiles on three lines over the showings, frequencies of 3520, 14080, 28160 Hz were selected for the survey. Variations in coil geometry strongly affect the in-phase component of the HLEM response. To remove this source of noise, the survey was conducted with a nominal fixed cable length and measurements of the station-to-station terrain slope were taken with a clinometer. The corrected in-phase (IP) and quadrature (Q) components were then calculated from:

$$IP = (IP_m + 100)K - 100 + 300 \sin^2 \varphi \quad (1)$$

$$Q = Q_m K \quad (2)$$

where:

$$K = (a_{corr} / a)^3 \quad (3)$$

$$\varphi = \tan^{-1} \left(\frac{\sum \sin \theta_i}{\sum \cos \theta_i} \right) \quad (4)$$

$$a_{corr} = d \left(\left(\sum \sin \theta_i \right)^2 + \left(\sum \cos \theta_i \right)^2 \right)^{1/2} \quad (5)$$

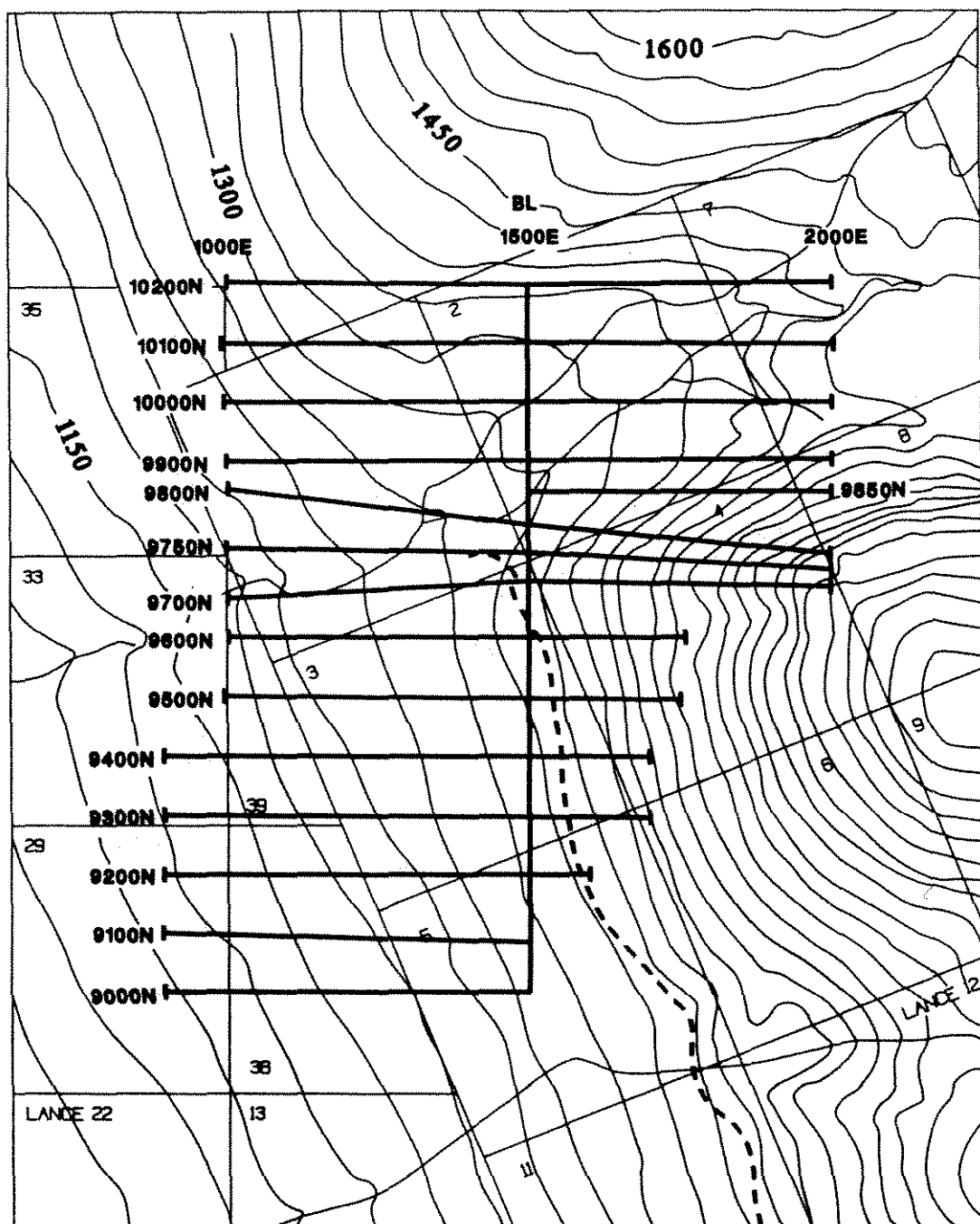
and

a - nominal coil spacing

a_{corr} - corrected coil spacing

d - station spacing

θ_i - slope to the i -th station between the transmitter and receiver measured in the direction of travel and summed over the number of stations in a coil spacing.



0 200
metres

--- CAT trail



Contour interval: 30 m

SNOWDRIFT MINERALS INC.	Claim: LANCE I-39 COX I-6	
DOLLY VARDEN PROPERTY GRID MAP	Mining District: Watson Lake, Y.T.	
	NTS: 105 H2	Scale: 1:8300
AMEROK GEOPHYSICS	Drawn by: M.A.P.	
	DATE: 12 SEP 94	Figure: 3

Q_m - uncorrected quadrature component

IP_m - uncorrected in-phase component

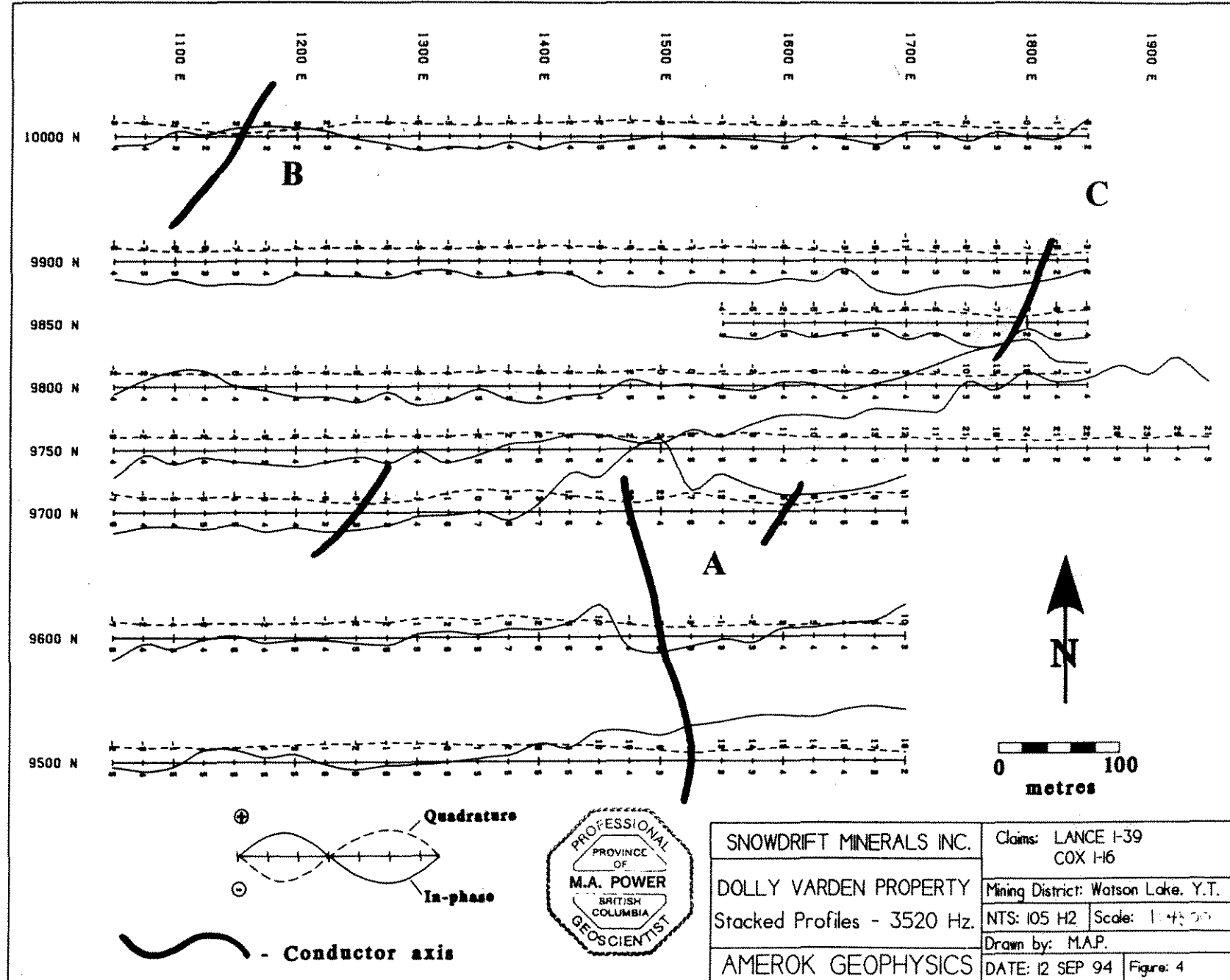
These corrections were performed with the MMCFIX software developed by Apex Parametrics Ltd. The apparent in-phase noise envelope after these corrections is approximately $\pm 2\%$.

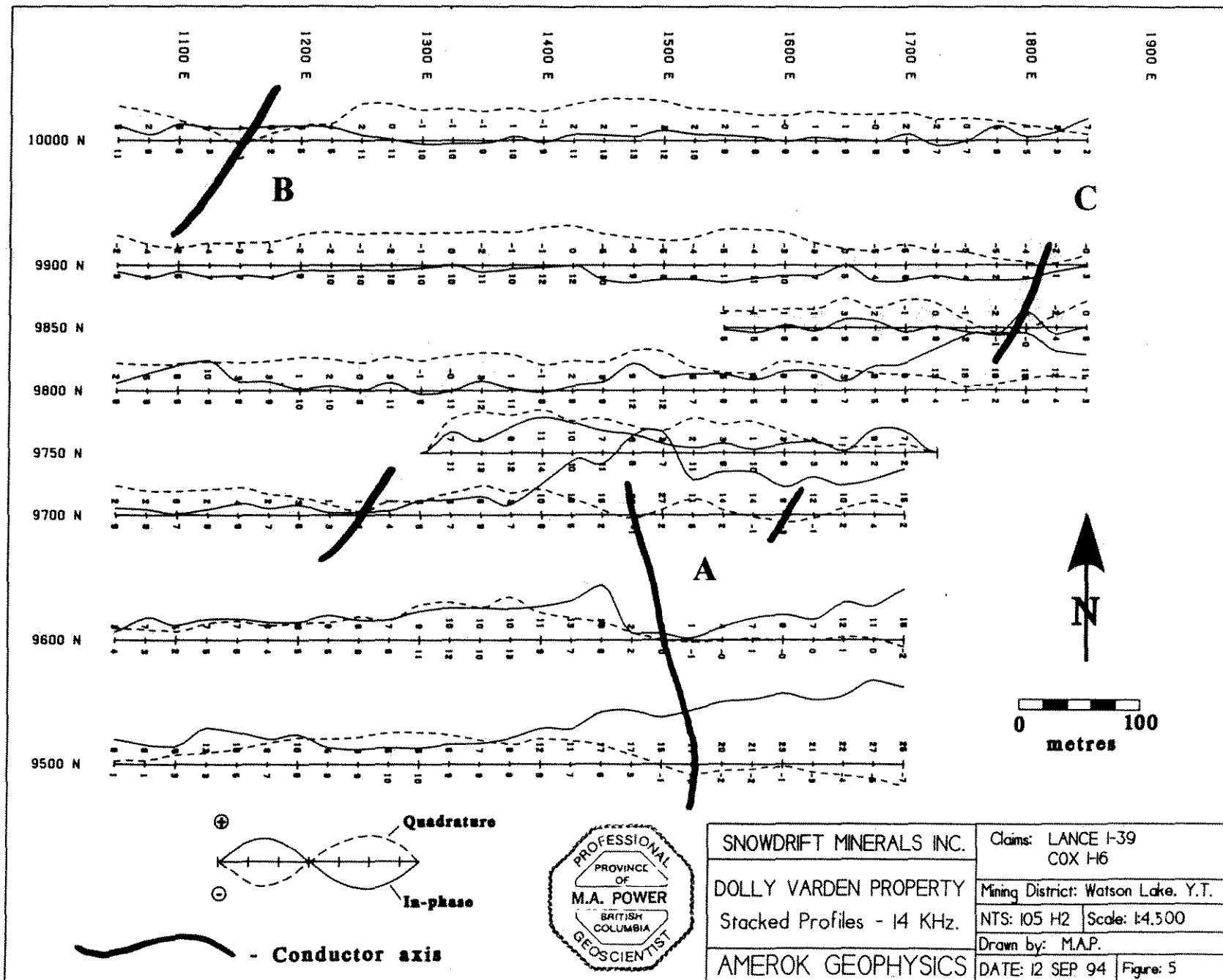
The total magnetic field survey was conducted with an EDA Omni IV proton precession magnetometer and synchronized Omni IV base station magnetometer. The base station was located at 9750N 1475E and cycled at a 15 s interval. Readings were taken at a 12.5 m interval over all lines on the grid and corrected for temporal geomagnetic variation using built-in software.

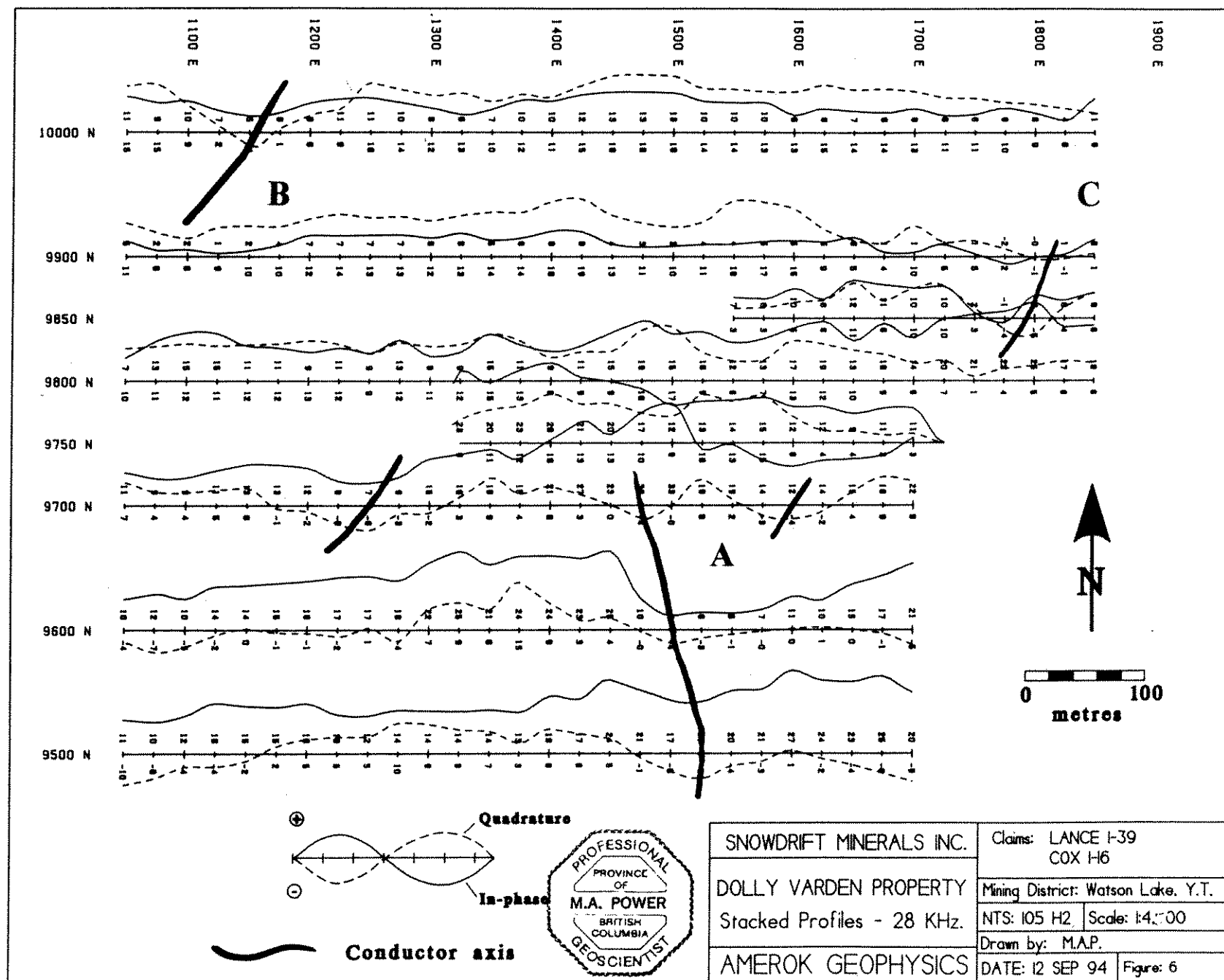
F. Results

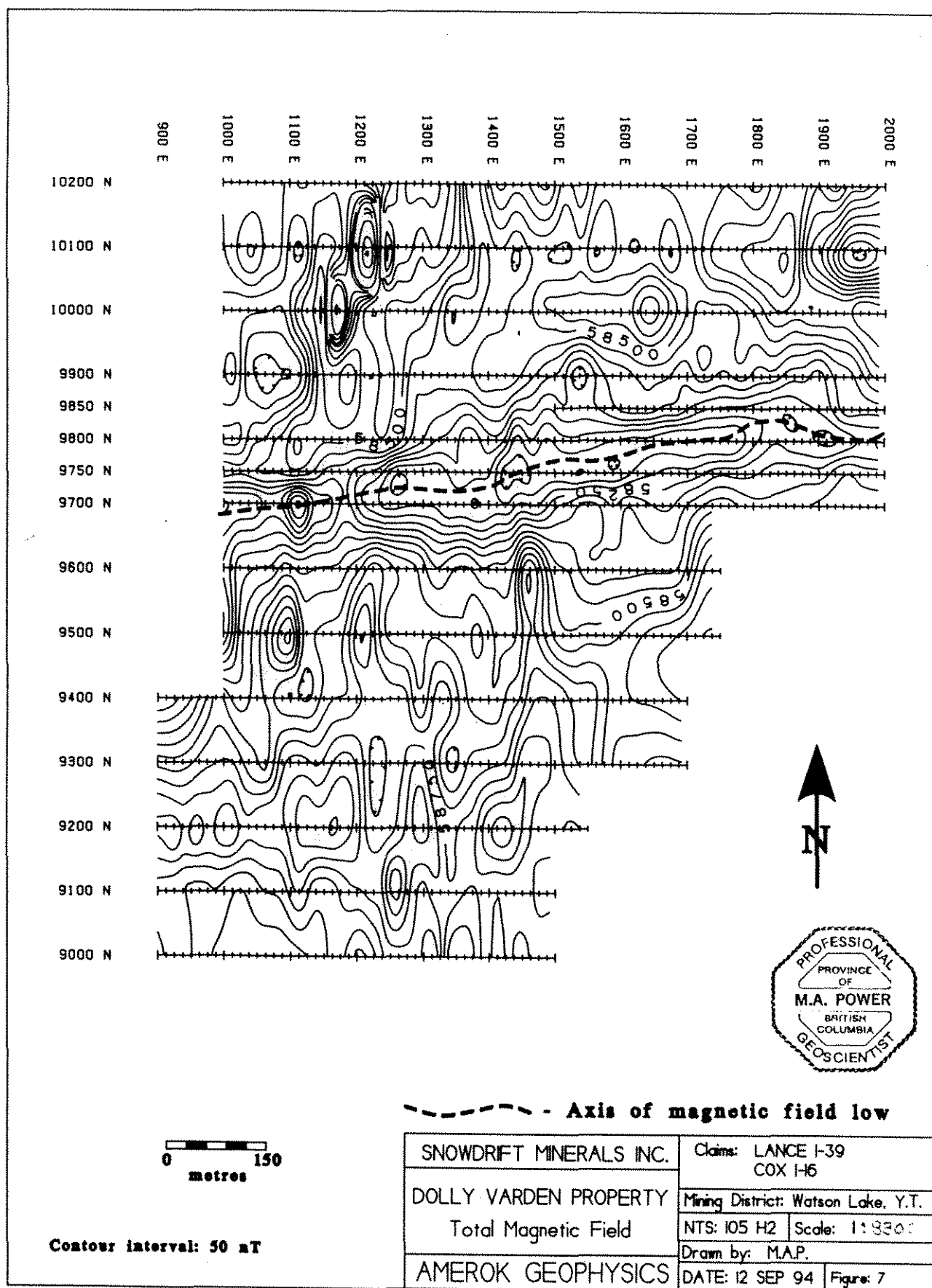
Stacked profiles of the HLEM survey results for 3520, 14080 and 28160 Hz are shown in Figures 4 to 6 respectively. Profiles of the in-phase (solid) and quadrature (dashed) response are shown together with the nominal location of the grid lines. A steeply-dipping bedrock conductor will show a negative quadrature response with or without an accompanying negative in-phase response. The peak negative response will be centred on the apex of the conductor. Good conductors will exhibit both in-phase and quadrature responses while poor conductors may only show quadrature responses. Several very weak conductors were detected by the HLEM survey and these are indicated on the stacked profiles. These responses could be generated either by bedrock or overburden conductors given their weak amplitude. Conductor A is nearly coincident with a massive sulphide showing exposed 20 m north of Line 9700N in a trench. It trends roughly north-south and appears to be discordant to the northeast trend of the skarn mineralization found in the trenches (C. Verley 1994, pers. comm.) The poor responses detected are not surprising given the nonconductive nature of the sulphide mineralization and the restricted dimensions of the mineralized zones located to date. In this situation, even poor conductors are of interest and merit further investigation.

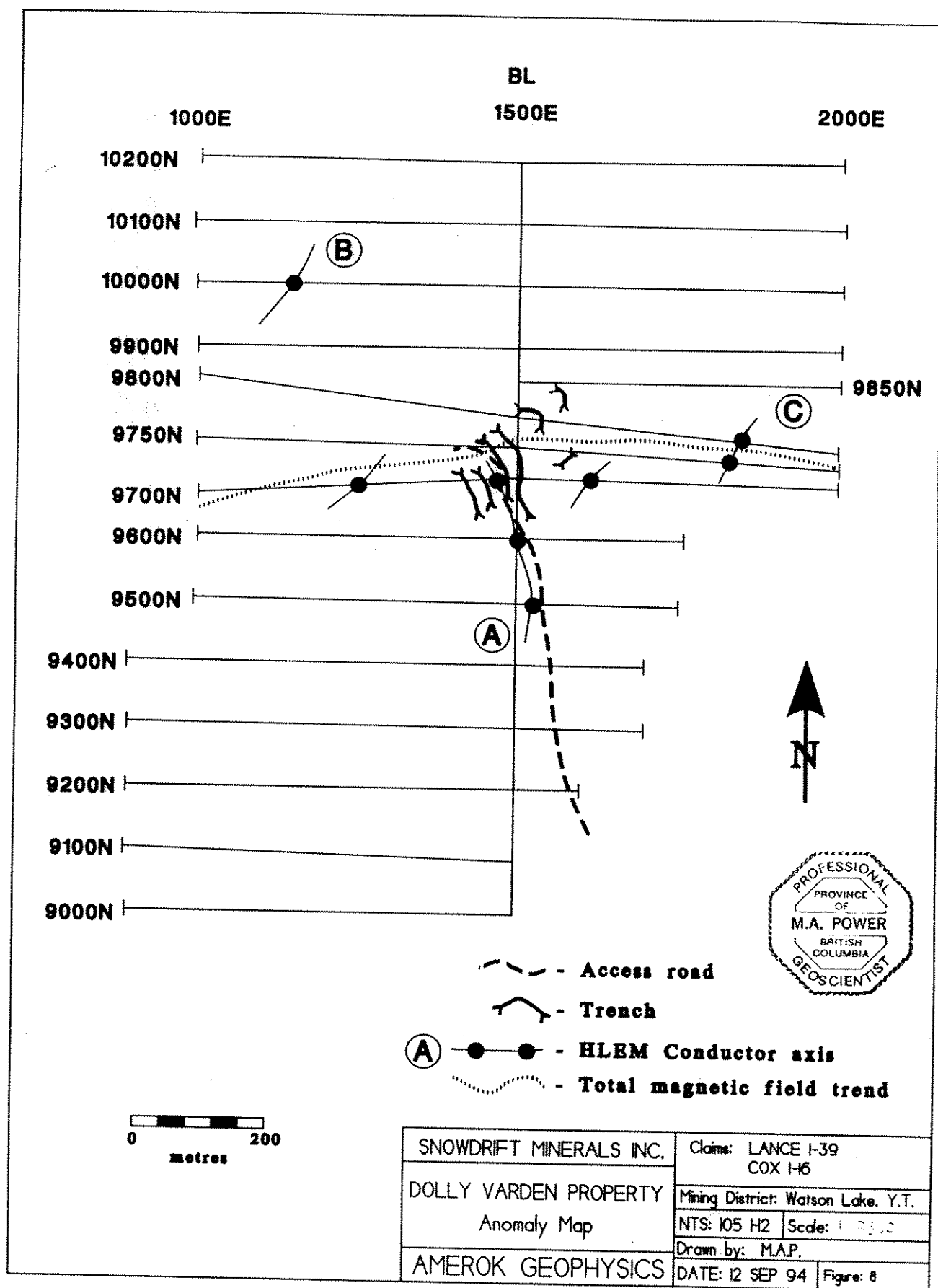
The total magnetic field survey results are shown in Figure 7 as a contour map superimposed upon the survey grid. The most striking feature on this map is a pronounced magnetic field low trending east-west across the grid at a very low angle to the survey lines. This trend is discordant with respect to the local strike of the intrusive contact and to the bedding within the metasediments. The known sulphide mineralization and three conductor responses are located along the magnetic low (Figure 8). Unfortunately, the orientation of the survey lines with respect to this feature is poor and consequently it is not well defined.











G. Conclusions

The results of the survey lead to the following conclusions:

- (1) The sulphide bodies found to date on the Dolly Varden Property are, at best, poor electrical conductors. This is probably due to the non-conductive nature of some of the constituent minerals and to the concentration of sulphide mineralization. It may indicate that the mineralized bodies are of restricted dimension or not electrically connected.
- (2) Conductor **A** is a poor conductor associated with a zone of sulphide mineralization.
- (3) Conductors **B** and **C** are poor conductors within the metasediments in areas which have not been trenched and have limited bedrock exposure.
- (4) Known sulphide mineralization and several bedrock conductor responses are coincident with a discordant east-west trending magnetic field low. A magnetic low could be produced by magnetite destruction through hydrothermal alteration in the vicinity of a blind intrusive body or permeable fault zone. This feature may be a significant factor in the development of skarn mineralization on the property and merits further investigation.

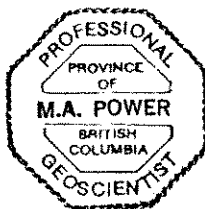
H. Recommendations

Anomaly **A** should be tested by further trenching or drilling on line 9700N at 1475E or line 9600N at 1525E. No reliable estimates of conductor geometry can be made in light of the poor conductor responses detected on these lines. Anomalies **B** and **C** should be investigated by trenching or possibly drilling if anomalous geochemical results are detected in the vicinity of the conductor axes. The east-west trending magnetic low should be extended to the west by further magnetometer surveys along north-south survey lines.

Respectfully submitted,
AMEROK GEOPHYSICS



M.A. Power M. Sc. P. Geo.
Geophysicist



Whitehorse, Yukon Territory
September 16, 1994

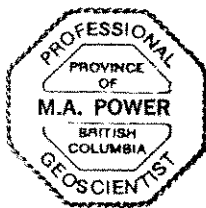
References Cited

- Betz J.E. 1976. Technical notes and operational description of the Maxmin HLEM system
Mississauga: Apex Parametrics
- Palacky G.J. (1987) Resistivity Characteristics of Geologic Targets. in: Nabighian, M.
Electromagnetic Methods in Applied Geophysics - Theory Volume I.
Tulsa: Society of Exploration Geophysicists.
- Roots, E.F., L.H. Green, J.A. Roddick and S. L. Blusson (1966). Geology - Frances Lake.
Geological Survey of Canada Map 6-1966.
- Wheeler J.O. and P. McFeely (comp.) 1991. Terrane assemblage map of the Canadian
Cordillera and adjacent parts of the United States of America. Geological Survey of
Canada Map 1712A, scale 1:2,000,000.

Appendix A. Statement of Qualifications

I, Michael Allan Power of Whitehorse, Yukon Territory, certify that:

1. I obtained a Bachelor of Science degree with First Class Honours in Geology from the University of Alberta in 1986 and a Masters degree in Geophysics from the University of Alberta in 1988.
2. I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia, holding registration number 21131. I have worked in the mining exploration industry and in geophysical research since 1984.
3. I conducted the geophysical surveys described in this report and prepared this report for submission.
4. I have not received nor expect to receive, directly or indirectly, any interest in the property of Snowdrift Minerals Ltd.



Michael A. Power M.Sc. P. Geo.

Whitehorse, Yukon Territory
September 16, 1994

B-1

Appendix B. Project Log



AMEROK GEOPHYSICS

Box 5709

Whitehorse, Yukon

Y1A 5L5

Phone (403) 668-7672

DOLLY VARDEN PROPERTY - MAXMIN/MAG SURVEY

PROJECT LOG

Wed 31 AUG 94

M. Power checked instruments in Whitehorse, left for Watson Lake around 1300h, flew in to Dolly Varden Property at 1930 h with Frontier Helicopters.

Thurs 01 SEP 94

Trial Maxmin surveys on Lines 9700N, 9750N and 9800N. M. Power (Rx) and Amerlin helper (Tx). Low frequencies were tried at 100 m coil spacing and frequencies increased on second passes when no response was recorded over exposed sulphide bodies. Production: Maxmin - 2.5 line-km.

Fri 02 SEP 94

Maxmin survey on lines 9600N, 9800N, 9850N, 9900N, 1000N. Production: Maxmin - 3.7 line-km.

Sat 03 SEP 94

Maxmin survey on lines 9500N - 9700N to complete. M. Power began mag survey; covered north part of grid. Production: Maxmin - 1.4 line-km. Mag - 4.0 line-km.

Sun 04 SEP 94

Mag survey over rest of grid. Production: 8.4 line-km. Final data plotting.

Mon 05 SEP 94

M. Power flew out at 1030h, drove back to Whitehorse. Instruments repacked for shipment.

Appendix C. Data Listing

MAG.XYZ

Line	Station	Corr. Mag.	Line	Station	Corr. Mag.
9000	900	58550.2	9750	1675	58215.7
9000	912.5	58649.8	9750	1687.5	58222.8
9000	925	58665.8	9750	1700	58217.5
9000	937.5	58705.9	9750	1712.5	58214.5
9000	950	58701.1	9750	1725	58232.2
9000	962.5	58622.9	9750	1737.5	58259.9
9000	975	58615.4	9750	1750	58290.5
9000	987.5	58599.4	9750	1762.5	58291.7
9000	1000	58586.2	9750	1775	58281.2
9000	1012.5	58562.6	9750	1787.5	58277.2
9000	1025	58545	9750	1800	58284.6
9000	1037.5	58559.6	9750	1812.5	58297.1
9000	1050	58560.4	9750	1825	58312.4
9000	1062.5	58561	9750	1837.5	58318.3
9000	1075	58555.1	9750	1850	58324.8
9000	1087.5	58552.3	9750	1862.5	58329.9
9000	1100	58562.4	9750	1875	58326.7
9000	1112.5	58563.3	9750	1887.5	58334.6
9000	1125	58593	9750	1900	58318.5
9000	1137.5	58595	9750	1912.5	58306.5
9000	1150	58629.2	9750	1925	58366.6
9000	1162.5	58635.8	9750	1937.5	58380.7
9000	1175	58691.5	9750	1950	58414.5
9000	1187.5	58656.5	9750	1962.5	58397.8
9000	1200	58607.3	9750	1975	58366.7
9000	1212.5	58560.3	9750	1987.5	58375.2
9000	1225	58616.4	9750	2000	58371.1
9000	1237.5	58637.4	9800	1000	58226.7
9000	1250	58722.3	9800	1012.5	58296.6
9000	1262.5	58723.8	9800	1025	58266.1
9000	1275	58720.8	9800	1037.5	58291.1
9000	1287.5	58745.3	9800	1050	58406.3
9000	1300	58722.4	9800	1062.5	58387.8
9000	1312.5	58662.5	9800	1075	58394.4
9000	1325	58640.5	9800	1087.5	58486.2
9000	1337.5	58786	9800	1100	58423.3
9000	1350	58909.1	9800	1112.5	58582.1
9000	1362.5	58907.2	9800	1125	58547.2
9000	1375	58897.7	9800	1137.5	58519.7
9000	1387.5	58844.6	9800	1150	58516.2
9000	1400	58769	9800	1162.5	58507.1
9000	1412.5	58755.3	9800	1175	58515.9
9000	1425	58715.8	9800	1187.5	58525.2
9000	1437.5	58780.3	9800	1200	58497.6
9000	1450	58829	9800	1212.5	58494
9000	1462.5	58823.3	9800	1225	58510.6
9000	1475	58773.7	9800	1237.5	58549.7
9000	1487.5	58763.8	9800	1250	58556.2
9000	1500	58721.9	9800	1262.5	58519.7
9100	900	58692.4	9800	1275	58477.1

9100	912.5	58679.2		9800	1287.5	58393.7
9100	925	58675.2		9800	1300	58383.8
9100	937.5	58676.3		9800	1312.5	58344.4
9100	950	58636.1		9800	1325	58302.5
9100	962.5	58642.7		9800	1337.5	58296.5
9100	975	58626		9800	1350	58284.7
9100	987.5	58647.1		9800	1362.5	58254.7
9100	1000	58650.1		9800	1375	58202.9
9100	1012.5	58617.3		9800	1387.5	58224.2
9100	1025	58596		9800	1400	58266.7
9100	1037.5	58595.2		9800	1412.5	58294.9
9100	1050	58618.9		9800	1425	58290.2
9100	1062.5	58646.4		9800	1437.5	58224.7
9100	1075	58659.5		9800	1450	58085.8
9100	1087.5	58649.2		9800	1462.5	58187.4
9100	1100	58683.1		9800	1475	58220
9100	1112.5	58754		9800	1487.5	58145.6
9100	1125	58776.3		9800	1500	58127.5
9100	1137.5	58662.2		9800	1512.5	58186.9
9100	1150	58663.9		9800	1525	58187.5
9100	1162.5	58656.6		9800	1537.5	58194
9100	1175	58693		9800	1550	58184
9100	1187.5	58711.2		9800	1562.5	58176.1
9100	1200	58756.9		9800	1575	58169.8
9100	1212.5	58717		9800	1587.5	58155
9100	1225	58792.8		9800	1600	58149.9
9100	1237.5	58753.2		9800	1612.5	58145.1
9100	1250	58818.1		9800	1625	58116.7
9100	1262.5	58966.7		9800	1637.5	58138.6
9100	1275	58891		9800	1650	58140.2
9100	1287.5	58786.6		9800	1662.5	58129.8
9100	1300	58740.3		9800	1675	58117.5
9100	1312.5	58719.7		9800	1687.5	58107.4
9100	1325	58812.3		9800	1700	58095.7
9100	1337.5	58764.2		9800	1712.5	58105.4
9100	1350	58758.5		9800	1725	58113.1
9100	1362.5	58785.6		9800	1737.5	58110.3
9100	1375	58809.8		9800	1750	58099.3
9100	1387.5	58803.3		9800	1762.5	58103.5
9100	1400	58785.3		9800	1775	58084.1
9100	1412.5	58749.7		9800	1787.5	58111.5
9100	1425	58748.7		9800	1800	58158.8
9100	1437.5	58781.1		9800	1812.5	58192.3
9100	1450	58768.2		9800	1825	58215.6
9100	1462.5	58749.7		9800	1837.5	58253.7
9100	1475	58807.4		9800	1850	58245.4
9100	1487.5	58831.2		9800	1862.5	58207.4
9100	1500	58825.1		9800	1875	58212.6
9200	900	58868.9		9800	1887.5	58202.7
9200	912.5	58791.5		9800	1900	58200.9
9200	925	58834.4		9800	1912.5	58187.5

9200	937.5	58833.3		9800	1925	58173.4
9200	950	58758.1		9800	1937.5	58198.1
9200	962.5	58846.6		9800	1950	58217.1
9200	975	58808.1		9800	1962.5	58236.9
9200	987.5	58772.4		9800	1975	58256.3
9200	1000	58834.7		9800	1987.5	58252.8
9200	1012.5	58842.1		9800	2000	58238.7
9200	1025	58842.9		9850	1500	58163.7
9200	1037.5	58754.2		9850	1512.5	58306.5
9200	1050	58762.5		9850	1525	58293.5
9200	1062.5	58788.5		9850	1537.5	58294.8
9200	1075	58794.7		9850	1550	58271.2
9200	1087.5	58782		9850	1562.5	58293.7
9200	1100	58795.8		9850	1575	58302.3
9200	1112.5	58839		9850	1587.5	58333.6
9200	1125	58880.8		9850	1600	58343.5
9200	1137.5	58891.7		9850	1612.5	58385.9
9200	1150	58877.9		9850	1625	58382.5
9200	1162.5	58897.1		9850	1637.5	58370.2
9200	1175	58919		9850	1650	58394.6
9200	1187.5	58878.7		9850	1662.5	58366.1
9200	1200	58860.6		9850	1675	58327
9200	1212.5	58812.6		9850	1687.5	58355
9200	1225	58721		9850	1700	58333.4
9200	1237.5	58694.6		9850	1712.5	58292.6
9200	1250	58734.4		9850	1725	58271.9
9200	1262.5	58728.7		9850	1737.5	58251.4
9200	1275	58780.6		9850	1750	58247.9
9200	1287.5	58821.7		9850	1762.5	58249.8
9200	1300	58896.4		9850	1775	58234.3
9200	1312.5	58866.8		9850	1787.5	58245.2
9200	1325	58818		9850	1800	58236.5
9200	1337.5	58758.8		9850	1812.5	58227.2
9200	1350	58712.8		9850	1825	58222.5
9200	1362.5	58767		9850	1837.5	58214.3
9200	1375	58765.6		9850	1850	58201.4
9200	1387.5	58769.2		9850	1862.5	58208.8
9200	1400	58878.3		9850	1875	58221.5
9200	1412.5	58898.3		9850	1887.5	58242
9200	1425	58935.6		9850	1900	58249.3
9200	1437.5	58919.1		9850	1912.5	58263.1
9200	1450	58883.3		9850	1925	58293.4
9200	1462.5	58828.5		9850	1937.5	58349.8
9200	1475	58790.8		9850	1950	58388
9200	1487.5	58757.6		9850	1962.5	58369.2
9200	1500	58770.2		9850	1975	58364.3
9200	1512.5	58785.7		9850	1987.5	58369.4
9200	1525	58807.9		9850	2000	58377.3
9200	1537.5	58826.3		9900	1000	58364.7
9200	1550	58756.6		9900	1012.5	58402.1
9300	900	58640.4		9900	1025	58444

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9300	912.5	58623.6		9900	1037.5	58298.7
9300	925	58614.9		9900	1050	58247.8
9300	937.5	58609.9		9900	1062.5	58244.8
9300	950	58629.6		9900	1075	58197.5
9300	962.5	58645		9900	1087.5	58253.7
9300	975	58682.4		9900	1100	58246.3
9300	987.5	58692.2		9900	1112.5	58240.2
9300	1000	58699.5		9900	1125	58287.1
9300	1012.5	58713.8		9900	1137.5	58393.4
9300	1025	58696.3		9900	1150	58528.1
9300	1037.5	58643.4		9900	1162.5	58565.9
9300	1050	58613.4		9900	1175	58563.2
9300	1062.5	58593.4		9900	1187.5	58624.8
9300	1075	58572.3		9900	1200	58636.5
9300	1087.5	58695.6		9900	1212.5	58575.7
9300	1100	58755		9900	1225	58465.4
9300	1112.5	58770		9900	1237.5	58535.4
9300	1125	58775.3		9900	1250	58579.6
9300	1137.5	58751.6		9900	1262.5	58552.7
9300	1150	58729.9		9900	1275	58533
9300	1162.5	58775.4		9900	1287.5	58429.7
9300	1175	58810.9		9900	1300	58412
9300	1187.5	58832.4		9900	1312.5	58433.8
9300	1200	58820.4		9900	1325	58419.2
9300	1212.5	58781.2		9900	1337.5	58419.6
9300	1225	58707.4		9900	1350	58438
9300	1237.5	58660.8		9900	1362.5	58428.1
9300	1250	58690.5		9900	1375	58439.2
9300	1262.5	58734.1		9900	1387.5	58448.1
9300	1275	58727.1		9900	1400	58512.5
9300	1287.5	58785.2		9900	1412.5	58473.8
9300	1300	58814		9900	1425	58466.6
9300	1312.5	58789.6		9900	1437.5	58487.8
9300	1325	58689.9		9900	1450	58471.1
9300	1337.5	58612.9		9900	1462.5	58429.9
9300	1350	58571.8		9900	1475	58405.1
9300	1362.5	58592.8		9900	1487.5	58376.6
9300	1375	58661		9900	1500	58340.5
9300	1387.5	58673.3		9900	1512.5	58359.8
9300	1400	58676.4		9900	1525	58297.7
9300	1412.5	58693.7		9900	1537.5	58204
9300	1425	58695		9900	1550	58224.3
9300	1437.5	58694.9		9900	1562.5	58260
9300	1450	58806.1		9900	1575	58334
9300	1462.5	58857.8		9900	1587.5	58358.5
9300	1475	58826.9		9900	1600	58370.3
9300	1487.5	58810.8		9900	1612.5	58372.1
9300	1500	58816.6		9900	1625	58395.5
9300	1512.5	58762.9		9900	1637.5	58411.9
9300	1525	58733.3		9900	1650	58416.7
9300	1537.5	58712.1		9900	1662.5	58407.2

9300	1550	58676.5		9900	1675	58419.9
9300	1562.5	58654.7		9900	1687.5	58385.4
9300	1575	58616.1		9900	1700	58354.4
9300	1587.5	58569.5		9900	1712.5	58367.5
9300	1600	58531.9		9900	1725	58445.4
9300	1612.5	58517.8		9900	1737.5	58429.3
9300	1625	58510.7		9900	1750	58402.3
9300	1637.5	58499.4		9900	1762.5	58368.9
9300	1650	58490.6		9900	1775	58407.5
9300	1662.5	58479.7		9900	1787.5	58432.8
9300	1675	58477.8		9900	1800	58413.5
9300	1687.5	58487.5		9900	1812.5	58370.3
9300	1700	58490.6		9900	1825	58367.3
9400	900	58329.2		9900	1837.5	58397.7
9400	912.5	58343		9900	1850	58350.1
9400	925	58347.7		9900	1862.5	58314.3
9400	937.5	58397.9		9900	1875	58313.5
9400	950	58410.9		9900	1887.5	58333.8
9400	962.5	58461.5		9900	1900	58262.2
9400	975	58520.3		9900	1912.5	58283.7
9400	987.5	58570.1		9900	1925	58337.6
9400	1000	58641.5		9900	1937.5	58373.4
9400	1012.5	58560.5		9900	1950	58377.5
9400	1025	58524.8		9900	1962.5	58397.8
9400	1037.5	58516.4		9900	1975	58447.5
9400	1050	58559.3		9900	1987.5	58500.1
9400	1062.5	58602.7		9900	2000	58518.5
9400	1075	58599.1		10000	1000	58389.6
9400	1087.5	58606.5		10000	1012.5	58381.9
9400	1100	58525.1		10000	1025	58366.9
9400	1112.5	58559.4		10000	1037.5	58364.5
9400	1125	58545.3		10000	1050	58360.2
9400	1137.5	58527.7		10000	1062.5	58355.8
9400	1150	58601.3		10000	1075	58358
9400	1162.5	58628.6		10000	1087.5	58341.5
9400	1175	58661.7		10000	1100	58332.1
9400	1187.5	58642.1		10000	1112.5	58449.1
9400	1200	58662		10000	1125	58507.9
9400	1212.5	58701.7		10000	1137.5	58554.2
9400	1225	58704.7		10000	1150	58544.3
9400	1237.5	58748		10000	1162.5	58722.3
9400	1250	58735.7		10000	1175	57828.4
9400	1262.5	58699.4		10000	1187.5	58254.5
9400	1275	58734.8		10000	1200	58352.5
9400	1287.5	58702.1		10000	1212.5	58533.8
9400	1300	58568.3		10000	1225	58578.4
9400	1312.5	58638.7		10000	1237.5	58639.4
9400	1325	58711.4		10000	1250	58523.8
9400	1337.5	58768.5		10000	1262.5	58529.4
9400	1350	58693.4		10000	1275	58538.9
9400	1362.5	58657.8		10000	1287.5	58534.9

9400	1375	58588.5		10000	1300	58537.6
9400	1387.5	58576.5		10000	1312.5	58517.2
9400	1400	58569		10000	1325	58473.6
9400	1412.5	58557.1		10000	1337.5	58444.8
9400	1425	58551.8		10000	1350	58323.2
9400	1437.5	58654.3		10000	1362.5	58361.1
9400	1450	58609.7		10000	1375	58382.4
9400	1462.5	58701.8		10000	1387.5	58385.3
9400	1475	58752.5		10000	1400	58404.6
9400	1487.5	58759.5		10000	1412.5	58430.6
9400	1500	58751.9		10000	1425	58440.8
9400	1512.5	58737.6		10000	1437.5	58436.5
9400	1525	58711.1		10000	1450	58509.5
9400	1537.5	58682.7		10000	1462.5	58483.4
9400	1550	58678.2		10000	1475	58495.6
9400	1562.5	58667.6		10000	1487.5	58550.2
9400	1575	58651.3		10000	1500	58549.9
9400	1587.5	58593.3		10000	1512.5	58547.1
9400	1600	58578		10000	1525	58581.6
9400	1612.5	58585.3		10000	1537.5	58570.1
9400	1625	58602.7		10000	1550	58571.4
9400	1637.5	58606.9		10000	1562.5	58564.1
9400	1650	58607.3		10000	1575	58612.6
9400	1662.5	58615.2		10000	1587.5	58559.1
9400	1675	58626.9		10000	1600	58578.3
9400	1687.5	58638.3		10000	1612.5	58557.8
9400	1700	58658.5		10000	1625	58601.8
9500	1000	58248.9		10000	1637.5	58654.9
9500	1012.5	58249.6		10000	1650	58696.6
9500	1025	58407.7		10000	1662.5	58661.6
9500	1037.5	58508.6		10000	1675	58625.8
9500	1050	58544.2		10000	1687.5	58567.2
9500	1062.5	58596.3		10000	1700	58523.2
9500	1075	58658		10000	1712.5	58479.6
9500	1087.5	58743.6		10000	1725	58412.8
9500	1100	58804		10000	1737.5	58431.2
9500	1112.5	58830.9		10000	1750	58445
9500	1125	58559.5		10000	1762.5	58404.1
9500	1137.5	58594.2		10000	1775	58444.5
9500	1150	58605.1		10000	1787.5	58456.6
9500	1162.5	58613.5		10000	1800	58491.3
9500	1175	58618.4		10000	1812.5	58499.6
9500	1187.5	58633.1		10000	1825	58559.6
9500	1200	58715.5		10000	1837.5	58590.1
9500	1212.5	58804.7		10000	1850	58608.7
9500	1225	58807.8		10000	1862.5	58586.9
9500	1237.5	58673		10000	1875	58549.6
9500	1250	58597.2		10000	1887.5	58600
9500	1262.5	58573.9		10000	1900	58605
9500	1275	58565.7		10000	1912.5	58579.5
9500	1287.5	58568.9		10000	1925	58612

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9500	1300	58561.8		10000	1937.5	58582.5
9500	1312.5	58587.3		10000	1950	58582.6
9500	1325	58601.8		10000	1962.5	58625.7
9500	1337.5	58579.3		10000	1975	58671.5
9500	1350	58572.5		10000	1987.5	58623.7
9500	1362.5	58568.3		10000	2000	58632.2
9500	1375	58555.6		10100	1000	58424.6
9500	1387.5	58635.3		10100	1012.5	58450.4
9500	1400	58597.7		10100	1025	58496.8
9500	1412.5	58554.5		10100	1037.5	58521.4
9500	1425	58532.9		10100	1050	58576.8
9500	1437.5	58529.6		10100	1062.5	58521.7
9500	1450	58533.9		10100	1075	58474.2
9500	1462.5	58617.6		10100	1087.5	58492.9
9500	1475	58675.1		10100	1100	58434.3
9500	1487.5	58615.1		10100	1112.5	58346.9
9500	1500	58564.8		10100	1125	58324.8
9500	1512.5	58521.2		10100	1137.5	58399.8
9500	1525	58503.5		10100	1150	58541.6
9500	1537.5	58505		10100	1162.5	58511.2
9500	1550	58525		10100	1175	58517.6
9500	1562.5	58530.4		10100	1187.5	58461.9
9500	1575	58519.8		10100	1200	58332
9500	1587.5	58531.7		10100	1212.5	58073.4
9500	1600	58540.8		10100	1225	57326.9
9500	1612.5	58554.1		10100	1237.5	58001.7
9500	1625	58574.6		10100	1250	58984.8
9500	1637.5	58595.7		10100	1262.5	58660
9500	1650	58610.5		10100	1275	58661.9
9500	1662.5	58627.1		10100	1287.5	58698.6
9500	1675	58628		10100	1300	58599
9500	1687.5	58643.2		10100	1312.5	58624.2
9500	1700	58658.7		10100	1325	58671.2
9500	1712.5	58679.9		10100	1337.5	58629.2
9500	1725	58699.9		10100	1350	58607.5
9500	1737.5	58708.4		10100	1362.5	58554.6
9500	1750	58709.5		10100	1375	58528.3
9600	1000	58281.9		10100	1387.5	58449.6
9600	1012.5	58306.2		10100	1400	58352.2
9600	1025	58417.4		10100	1412.5	58457
9600	1037.5	58435.9		10100	1425	58456.8
9600	1050	58442.8		10100	1437.5	58450.5
9600	1062.5	58460.5		10100	1450	58360.5
9600	1075	58441.1		10100	1462.5	58450.1
9600	1087.5	58474.2		10100	1475	58463.3
9600	1100	58547.8		10100	1487.5	58472.3
9600	1112.5	58500.7		10100	1500	58454.1
9600	1125	58466.1		10100	1512.5	58444.4
9600	1137.5	58503.3		10100	1525	58437.5
9600	1150	58498.5		10100	1537.5	58440.9
9600	1162.5	58511.3		10100	1550	58538.9

9600	1175	58497.7		10100	1562.5	58380.7
9600	1187.5	58517.2		10100	1575	58403.5
9600	1200	58576.8		10100	1587.5	58396.2
9600	1212.5	58575.9		10100	1600	58459.6
9600	1225	58670.7		10100	1612.5	58460
9600	1237.5	58681.3		10100	1625	58443.5
9600	1250	58640.6		10100	1637.5	58443.5
9600	1262.5	58598.3		10100	1650	58477.1
9600	1275	58593.6		10100	1662.5	58469.3
9600	1287.5	58569.7		10100	1675	58398.1
9600	1300	58555.1		10100	1687.5	58382.2
9600	1325	58444.2		10100	1700	58476.9
9600	1337.5	58455.6		10100	1712.5	58487.3
9600	1350	58498.8		10100	1725	58522.3
9600	1362.5	58510.1		10100	1737.5	58595.2
9600	1375	58510.6		10100	1750	58610.7
9600	1387.5	58495.8		10100	1762.5	58641.1
9600	1400	58420.8		10100	1775	58636.8
9600	1412.5	58488.1		10100	1787.5	58644
9600	1425	58456.1		10100	1800	58659
9600	1437.5	58463.7		10100	1812.5	58679.6
9600	1450	58525.2		10100	1825	58662.4
9600	1462.5	58723.3		10100	1837.5	58672.8
9600	1475	58684.3		10100	1850	58701.5
9600	1487.5	58600.5		10100	1875	58643.3
9600	1500	58495.7		10100	1887.5	58472.9
9600	1512.5	58448.3		10100	1900	58427.7
9600	1525	58459.7		10100	1912.5	58405.6
9600	1537.5	58428.7		10100	1925	58324.4
9600	1550	58378.5		10100	1937.5	58265.2
9600	1562.5	58360.4		10100	1950	58160.2
9600	1575	58361.9		10100	1962.5	58154.4
9600	1587.5	58383.2		10100	1975	58124.1
9600	1600	58378.4		10100	1987.5	58179.9
9600	1612.5	58378.1		10100	2000	58220.5
9600	1625	58382		10200	1000	58422.3
9600	1637.5	58391		10200	1012.5	58459.6
9600	1650	58391.2		10200	1025	58464.6
9600	1662.5	58393.9		10200	1037.5	58448.9
9600	1675	58391.6		10200	1050	58442.8
9600	1687.5	58393.6		10200	1062.5	58474.3
9600	1700	58413.2		10200	1075	58445.9
9600	1712.5	58496.6		10200	1087.5	58475.5
9600	1725	58581.1		10200	1100	58448
9600	1737.5	58620.3		10200	1112.5	58434.7
9600	1750	58645.2		10200	1125	58477.8
9700	1000	58244.4		10200	1137.5	58447.5
9700	1012.5	58177		10200	1150	58425.1
9700	1025	58213.1		10200	1162.5	58416.9
9700	1037.5	58210.1		10200	1175	58456.6
9700	1050	58189		10200	1187.5	58418.7

9700	1062.5	58215.9		10200	1200	58413.5
9700	1075	58288.2		10200	1212.5	58452
9700	1087.5	58263.9		10200	1225	58504
9700	1100	58217.8		10200	1237.5	58526.5
9700	1112.5	58082.3		10200	1250	58527.8
9700	1125	58043.8		10200	1262.5	58604.6
9700	1137.5	58233.6		10200	1275	58679.3
9700	1150	58281.9		10200	1287.5	58722.5
9700	1162.5	58268.4		10200	1300	58727
9700	1175	58300.7		10200	1312.5	58716.1
9700	1187.5	58377.7		10200	1325	58745.5
9700	1200	58345.2		10200	1337.5	58693.6
9700	1212.5	58259.1		10200	1350	58647.4
9700	1225	58222.2		10200	1362.5	58599.3
9700	1237.5	58222.1		10200	1375	58408.5
9700	1250	58159.6		10200	1387.5	58382.7
9700	1262.5	58171.6		10200	1400	58503.7
9700	1275	58170.9		10200	1412.5	58551.1
9700	1287.5	58203		10200	1425	58651.1
9700	1300	58184.5		10200	1437.5	58590.8
9700	1312.5	58188.5		10200	1450	58558.8
9700	1325	58209		10200	1462.5	58585.9
9700	1337.5	58149.8		10200	1475	58619.7
9700	1350	58161.5		10200	1487.5	58672.6
9700	1362.5	58172.3		10200	1500	58674.6
9700	1375	58154.9		10200	1512.5	58581.5
9700	1387.5	58127.9		10200	1525	58485.4
9700	1400	58164		10200	1537.5	58589.2
9700	1412.5	58171.7		10200	1550	58592.9
9700	1425	58172.6		10200	1562.5	58547.6
9700	1437.5	58118.3		10200	1575	58467.8
9700	1450	58227.5		10200	1587.5	58462
9700	1462.5	58223.2		10200	1600	58467.4
9700	1475	58167		10200	1612.5	58451.4
9700	1487.5	58213.3		10200	1625	58468.7
9700	1500	58243.7		10200	1637.5	58482.6
9700	1512.5	58324.7		10200	1650	58479.9
9700	1525	58286.6		10200	1662.5	58504.8
9700	1537.5	58344.5		10200	1675	58503.6
9700	1550	58371.7		10200	1687.5	58515.7
9700	1575	58356.2		10200	1700	58532.5
9700	1587.5	58313.7		10200	1712.5	58523.9
9700	1600	58261.8		10200	1725	58520.2
9700	1612.5	58378		10200	1737.5	58497.2
9700	1625	58340.9		10200	1750	58526
9700	1637.5	58319.5		10200	1762.5	58552.9
9700	1650	58307.8		10200	1775	58541.2
9700	1662.5	58287.6		10200	1787.5	58532.9
9700	1675	58283.1		10200	1800	58507.1
9700	1687.5	58296.8		10200	1812.5	58447
9700	1700	58333.5		10200	1825	58511.5

9700	1712.5	58372.3		10200	1837.5	58557.2
9700	1725	58378.8		10200	1850	58588.3
9700	1737.5	58420.2		10200	1862.5	58633.6
9700	1750	58432.3		10200	1875	58631
9700	1762.5	58444.1		10200	1887.5	58632.1
9700	1775	58427.9		10200	1900	58541.5
9700	1787.5	58398.3		10200	1912.5	58563.9
9700	1800	58373.4		10200	1925	58629.1
9700	1812.5	58361.7		10200	1937.5	58654.4
9700	1825	58360.1		10200	1950	58552.5
9700	1837.5	58367		10200	1962.5	58504.8
9700	1850	58366.4		10200	1975	58566.7
9700	1862.5	58374.3		10200	1987.5	58480.1
9700	1875	58375.3		10200	2000	58451.3
9700	1887.5	58403.3				
9700	1900	58408.3				
9700	1912.5	58424.4				
9700	1925	58435.1				
9700	1937.5	58445.3				
9700	1950	58445.7				
9700	1962.5	58439.5				
9700	1975	58439.8				
9700	1987.5	58431.2				
9700	2000	58426.9				
9750	1000	58471.1				
9750	1012.5	58426.1				
9750	1025	58420.2				
9750	1037.5	58403.9				
9750	1050	58438.9				
9750	1062.5	58465.7				
9750	1075	58464.3				
9750	1087.5	58452.1				
9750	1100	58484.1				
9750	1112.5	58515.8				
9750	1125	58490.9				
9750	1137.5	58480.4				
9750	1150	58428.5				
9750	1162.5	58385.1				
9750	1175	58360.6				
9750	1187.5	58399.7				
9750	1200	58351.7				
9750	1212.5	58316.4				
9750	1225	58296.7				
9750	1237.5	58299.1				
9750	1250	58234.9				
9750	1262.5	58162.1				
9750	1275	58138.8				
9750	1287.5	58178.5				
9750	1300	58156.1				
9750	1312.5	58172.8				
9750	1325	58166.1				

9750	1337.5	58168.4				
9750	1350	58231.3				
9750	1362.5	58252.6				
9750	1375	58239.6				
9750	1387.5	58202.4				
9750	1400	58222.6				
9750	1412.5	58210.2				
9750	1425	58083.1				
9750	1437.5	58062.8				
9750	1450	58125.9				
9750	1462.5	58017.3				
9750	1475	58149.7				
9750	1487.5	58108.1				
9750	1500	58119.7				
9750	1512.5	58123.2				
9750	1525	58114				
9750	1537.5	58091.9				
9750	1550	58077.3				
9750	1562.5	58118.3				
9750	1575	58108.2				
9750	1587.5	58101.5				
9750	1600	58098				
9750	1612.5	58119.5				
9750	1625	58149.8				
9750	1637.5	58183.7				
9750	1650	58187.1				
9750	1662.5	58198.2				

Line	Station	3520 - IP	3520 - Q	14080 - IP	14080 - Q	28160 - IP	28160 - Q
9500	1050	-1.6	4.86	7.88	1.02	10.93	-10.03
9500	1075	-2.92	4.34	6.2	1.16	10.22	-7.98
9500	1100	-1.44	4.63	5.69	2.62	12.06	-4.23
9500	1125	3.89	4.52	11.7	3.47	16.28	-4.2
9500	1150	3.9	4.65	10.28	4.62	15.35	-2.36
9500	1175	1.43	5.19	8.07	6.57	14.91	2.32
9500	1200	2.55	5.33	9.55	8.11	16.19	4.63
9500	1225	-0.72	5.6	5.39	7.97	12.55	5.33
9500	1250	-2.44	5.51	4.8	8.51	12.11	5.4
9500	1275	-1.12	6	5.36	9.89	13.95	9.89
9500	1300	-0.84	5.8	5.18	9.95	13.78	9.44
9500	1325	-0.2	5.58	6.42	9.09	13.63	7.72
9500	1350	1.01	5.23	6.66	7.74	14.1	7.2
9500	1375	2	5.06	8.38	5.98	13.29	3.26
9500	1400	5.81	5.35	11.55	8.02	18.5	7.93
9500	1425	4.15	5.24	11.43	7.21	17.49	6.4
9500	1450	9.84	4.71	16.79	5.85	23.93	4.76
9500	1475	9.71	4.06	17.48	2.78	20.5	-1.33
9500	1500	8.18	3.31	15.24	-0.51	17.14	-5.77
9500	1525	11.32	2.59	17.36	-3.42	16.73	-8.11
9500	1550	12.61	3.01	20.09	-2.33	20.26	-3.89
9500	1575	14.42	3.38	20.87	-1.81	20.71	-2.6
9500	1600	14.68	3.98	22.72	-0.89	26.99	0.97
9500	1625	13.98	3.69	20.7	-2.77	23.68	-1.66
9500	1650	16.44	3.7	21.94	-3.91	23.21	-3.67
9500	1675	17.47	3.1	26.99	-4.96	25.07	-6.29
9500	1700	16.47	2.45	24.8	-7.33	19.71	-9.09
9600	1050	-7.13	4.96	2.56	3.94	9.97	-3.77
9600	1075	-1.89	4.21	7.17	3.08	11.52	-7.16
9600	1100	-3.56	4.03	4.69	2.36	9.94	-5.36
9600	1125	-0.42	4.45	6.67	5.05	13.94	-1.71
9600	1150	0.53	4.55	6.75	5.76	14.27	0.41
9600	1175	-1.69	4.44	5.71	4.41	14.95	-0.93
9600	1200	-0.75	4.56	5.83	5.41	15.59	-1.08
9600	1225	-0.88	4.49	7.9	5.4	16.85	-2.17
9600	1250	-1.82	5.14	6.4	7.54	17.23	0.64
9600	1275	-2.4	4.59	6.62	6.23	15.78	-3.8
9600	1300	1.12	5.98	9.19	11.03	21.61	6.84
9600	1325	1.86	6.2	10.23	11.82	25.28	8.81
9600	1350	0.92	5.47	10.19	10.34	20.98	6.47
9600	1375	2.64	6.74	10	13.34	23.67	15.27
9600	1400	2.44	5.69	10.78	8.5	23.78	8.61
9600	1425	4.5	5.04	12.63	6.72	22.97	3.11
9600	1450	10.41	4.94	17.59	5.51	25.31	3.89
9600	1475	-3.78	3.95	2.27	2.49	9.98	-0.34
9600	1500	-5.19	3.13	2	0.14	4.57	-4.26
9600	1525	-3.09	2.96	0.75	-0.51	5.65	-2.63
9600	1550	-1.03	3.11	4.21	-0.27	5.33	-1.42
9600	1575	-2.05	3.45	7.01	0.53	6.56	-0.44
9600	1600	2.62	3.57	8.01	-0.03	10.7	0.36

MM100.XYZ

9600	1625	2.81	3.74	6.52	0	9.56	0.86
9600	1650	4.14	3.93	12.03	0.93	14.62	0.07
9600	1675	4.89	4.03	10.78	0.43	17.41	-1.1
9600	1700	10.07	3.31	16.15	-2.12	21.4	-4.76
9700	1050	-6.64	5.59	2.22	9.16	10.56	7.38
9700	1075	-4.79	4.41	1.81	7.58	8.65	4.32
9700	1100	-4.54	4.31	0.42	7.35	8.82	4.05
9700	1125	-5.25	4.56	1.75	8	11.15	4.9
9700	1150	-3.94	4.92	3.75	8.65	13.08	5.54
9700	1175	-6.25	4.49	2.16	6.56	12.97	-1.2
9700	1200	-4.87	4.16	3.24	5.63	11.87	-2.1
9700	1225	-6.13	3.06	0.89	3.12	7.67	-6
9700	1250	-5.56	2.72	0.94	1.19	7.11	-8.04
9700	1275	-4.09	2.99	1.44	4.14	9	-2.7
9700	1300	-1.4	3.79	4.62	4.8	14.87	-2.38
9700	1325	-1.06	6.02	4.86	6.85	16.4	2.66
9700	1350	0.2	7.07	5.99	9.18	17.99	8.71
9700	1375	-2.63	6.31	3.26	6.76	15.03	3.58
9700	1400	2.85	6.52	10	8.22	21.05	5.95
9700	1425	12.22	4.91	17.71	4.94	26.93	3.41
9700	1450	11.18	3.87	16.39	1.66	22.67	0.1
9700	1475	19.56	2.75	25.62	-0.95	29.92	-4.26
9700	1500	23.16	4.02	26.67	1.82	32.72	-0.11
9700	1525	6.57	5.68	11.31	5.06	17.76	8.28
9700	1550	11.89	3.95	13.91	1.66	19.43	1.75
9700	1575	7.83	2.61	13.84	-0.67	14.46	-3.37
9700	1600	5.18	2.15	8.97	-2.54	12.43	-4.36
9700	1625	5.41	2.52	12.25	-1.01	14.3	-1.92
9700	1650	6.21	4.78	9.57	1.9	14.81	4.3
9700	1675	8.09	5.75	11.47	3.96	15.95	9.17
9700	1700	11.36	5.36	14.72	1.94	21.76	7.78
9750	1050	-8.85	3.84	0	0	0	0
9750	1075	-1.73	4.06	0	0	0	0
9750	1100	-4.53	3.88	0	0	0	0
9750	1125	-2.37	3.84	0	0	0	0
9750	1150	-3.84	3.62	0	0	0	0
9750	1175	-4.6	3.46	0	0	0	0
9750	1200	-5.32	3.62	0	0	0	0
9750	1225	-3.89	3.61	0	0	0	0
9750	1250	-2.2	3.83	0	0	0	0
9750	1275	-4.28	4.23	0	0	0	0
9750	1300	-0.42	4.24	0	0	0	0
9750	1325	-4.28	4.35	6.6	10.51	23.35	7.78
9750	1350	-1.7	4.88	3.74	12.82	19.51	10.82
9750	1375	1.75	4.97	8.28	11.66	23.49	12.06
9750	1400	2.49	5.24	11.33	13.55	25.89	15.82
9750	1425	4.75	4.97	9.58	10.26	21.2	12.53
9750	1450	4.59	4.65	6.99	10.74	19.71	12.6
9750	1475	2.28	3.68	5.94	8.18	17.47	9.62
9750	1500	1.89	3.64	2.91	7.07	12.19	8.56
9750	1525	6.12	4.65	1.68	10.86	13.49	15.6

9750	1550	3.9	4.61	3.04	8.77	13.84	13.46
9750	1575	8	4.91	1.14	9.73	14.63	15.11
9750	1600	10.64	4.17	2.85	6.44	11.69	8.41
9750	1625	10.4	3.63	3.73	3.43	11.76	3.95
9750	1650	9.44	3.52	0.57	2.06	9.47	3.72
9750	1675	12.71	3.39	7.58	1.72	11.18	2.56
9750	1700	12.09	3.33	6.82	2.2	11.24	2.99
9750	1725	11.4	2.87	0	0	0	0
9750	1750	21.25	2.98	0	0	0	0
9750	1775	18.48	2.59	0	0	0	0
9750	1800	24.03	2.53	0	0	0	0
9750	1825	20.88	2.46	0	0	0	0
9750	1850	22.03	2.77	0	0	0	0
9750	1875	26.09	3.14	0	0	0	0
9750	1900	23.22	2.83	0	0	0	0
9750	1925	28.8	3.66	0	0	0	0
9750	1950	21.02	3.35	0	0	0	0
9800	1050	-2.29	4.09	2.31	8.44	7.46	10.43
9800	1075	2.1	4.14	5.43	8.09	12.73	11.04
9800	1100	5	3.98	8.06	8.52	15.48	11.94
9800	1125	5.05	4.04	9.57	9.2	15.18	11.2
9800	1150	0.14	3.9	2.84	8.53	11.12	11.57
9800	1175	-1.28	4.05	2.78	9.21	10.58	11.91
9800	1200	-3.2	4.22	0.54	10.24	9.22	12.9
9800	1225	-3.24	4.08	1.5	9.76	10.59	11.78
9800	1250	-5	3.74	0.23	8.59	8.86	8.66
9800	1275	-1.7	4.31	2.62	10.57	13.1	12.26
9800	1300	-6	3.96	-1.24	9.22	7.9	11.07
9800	1325	-4.48	4.34	-0.12	10.82	9.22	11.66
9800	1350	-0.93	4.73	3.03	11.83	15.03	15.12
9800	1375	-4.28	4.53	0.6	11.21	11.46	12.78
9800	1400	-5.34	3.91	-0.55	7.96	9.47	7.5
9800	1425	-3.14	4.12	1.53	9.17	11.24	9.33
9800	1450	-2.45	4	2.64	8.8	15.42	9.49
9800	1475	1.96	4.74	8.79	12.37	19.17	16.25
9800	1500	-0.23	5.03	4.35	12.12	15	17.15
9800	1525	0.4	3.62	5.36	7.18	15.63	9
9800	1550	-0.96	3.43	5.17	5.73	12.16	6.43
9800	1575	-1.57	3.48	3.33	5.31	13.48	6.63
9800	1600	1.18	4.29	6.04	9.05	16.98	12.9
9800	1625	0.48	4.42	6.22	8.23	18.96	11.78
9800	1650	-1.83	4.25	2.81	6.79	12.73	9.79
9800	1675	0.47	3.77	7.81	5.28	18.33	8.54
9800	1700	2.99	3.75	8.7	4.72	13.74	5.67
9800	1725	6.65	3.27	13.27	3.94	19.81	6.64
9800	1750	10.35	2.79	17.78	1.23	21.23	1.39
9800	1775	12.92	3.14	17.56	1.64	22.18	3.92
9800	1800	14.56	3.41	18.34	3.29	25.32	4.89
9800	1825	7.4	3.58	12.28	4.15	17.18	6.49
9800	1850	7.01	3.59	11.26	3.35	17.77	5.84
9850	1550	-4.38	2.71	-0.69	5.05	6.6	3.1

9850	1575	-5.19	2.78	-1.46	5.1	6.22	3.36
9850	1600	-2.32	2.76	0.89	5.74	9.57	5.12
9850	1625	-4.7	2.84	-1.03	5.7	6.06	5.72
9850	1650	-2.98	3.85	2.8	9.16	12.28	11.43
9850	1675	-1.65	3.34	2.1	5.92	10.76	5.53
9850	1700	-5.29	3.86	-1.41	8.52	9.8	9.74
9850	1725	-3.19	3.82	0.35	7.67	10.25	10.45
9850	1750	-7.39	2.93	-1.27	2.13	1.71	3.15
9850	1775	-7.45	2	-1.99	-1.46	-1.42	-3.69
9850	1800	-1.99	1.97	5.33	-0.49	7.48	-5.08
9850	1825	-5.71	3.25	-2.24	3.59	5.82	3.6
9850	1850	-4.78	3.8	0.07	8.09	8.13	8.42
9900	1050	-5.63	4.11	-2.15	9.27	4.96	10.76
9900	1075	-7.18	3.39	-4.02	6.43	1.96	7.71
9900	1100	-5.58	2.99	-2	5.28	2.2	5.84
9900	1125	-7.59	3.17	-3.68	6.84	1.05	9.41
9900	1150	-7.19	3.4	-3.2	6.92	1.88	9.89
9900	1175	-7.49	3.51	-3.84	7.2	3.69	9.65
9900	1200	-4.4	3.75	-1.58	9.46	6.85	12.18
9900	1225	-4.63	4.13	-1.87	10.43	6.7	13.54
9900	1250	-4.79	4.03	-1.4	9.67	6.92	12.51
9900	1275	-5.28	3.98	-1.74	10.05	7.01	12.88
9900	1300	-3.24	4.14	-0.87	9.93	6.02	11.56
9900	1325	-2.94	3.95	0.01	10.06	7.61	13.22
9900	1350	-5.31	4.33	-2.19	10.6	5.36	14.26
9900	1375	-4.86	4.21	-1.21	10.14	5.96	14.13
9900	1400	-3.78	4.75	-0.64	11.86	8.24	17.71
9900	1425	-4.2	4.67	0.09	12.22	8.07	18.54
9900	1450	-8.15	4.29	-4.64	9.88	3.95	13.24
9900	1475	-8.2	3.62	-5.51	8.65	3.08	10.77
9900	1500	-8.63	3.57	-4.57	7.72	3.37	9.53
9900	1525	-7.22	3.55	-4.45	8.52	3.91	11.27
9900	1550	-7.24	4.4	-5.42	11.37	4.05	18.04
9900	1575	-7.42	4.23	-4.15	11.23	4.9	17.47
9900	1600	-5.75	4.06	-3.31	10.3	5.15	15.36
9900	1625	-6.85	3.31	-3.36	7	4.78	8.93
9900	1650	-2.52	2.69	0.12	5.09	6.3	5.23
9900	1675	-9.47	2.65	-5.11	4.44	1.42	4.42
9900	1700	-10.87	3.38	-4.98	6.24	1.35	10.08
9900	1725	-8.68	2.75	-3.43	4.17	3.95	4.62
9900	1750	-7.85	2.89	-4.74	3.78	0.88	5.09
9900	1775	-8.69	2.13	-4.86	1.84	-2.32	2.49
9900	1800	-7.43	2.14	-4.45	0.86	-0.25	-0.6
9900	1825	-5.68	1.88	-2.1	0.68	0.82	-0.6
9900	1850	-2.88	2.36	-0.46	2.73	5.63	1.09
10000	1050	-3	4.3	4.59	10.76	11.44	14.82
10000	1075	-2.66	4.04	1.75	9.14	9.44	15.26
10000	1100	1.72	3.06	5.21	6.4	10.04	8.55
10000	1125	0.62	1.87	4.16	3.1	6.97	2.11
10000	1150	2.69	0.87	3.88	-0.82	5.41	-4.32
10000	1175	3.17	1.59	4.54	1.98	6.37	1.43

10000	1200	2.8	2.28	4.67	4.75	9.44	5.54
10000	1225	1.55	2.81	4.19	5.42	10.7	7.5
10000	1250	-0.95	4.35	1.71	11.37	10.97	15.82
10000	1275	-2.56	4.31	0.26	11.44	9.51	13.65
10000	1300	-4.59	3.9	-1.25	9.53	7.79	11.81
10000	1325	-3.47	3.77	-1.1	10.02	5.72	12.61
10000	1350	-4.12	3.59	-0.92	9.14	7.44	9.87
10000	1375	-1.85	3.89	1.3	10.09	10.38	12.2
10000	1400	-4.16	4.05	-0.67	9.23	10.04	11.36
10000	1425	-1.81	4.41	2.01	11.39	12.11	15.08
10000	1450	-1.88	4.79	1.78	13.21	12.94	18.15
10000	1475	-1.27	5.03	1.43	13.21	12.94	18.44
10000	1500	-0.15	4.53	3.23	12.4	12.65	18.04
10000	1525	-0.92	3.91	2.06	9.97	9.98	13.96
10000	1550	-0.8	3.63	1.64	9.33	9.58	13.82
10000	1575	-1.27	3.43	1.2	8.15	9.65	13.08
10000	1600	-2.02	3.26	-0.31	7.78	5.66	13.03
10000	1625	0.24	3.71	1.22	9.31	7.71	15.23
10000	1650	-1	3.18	0.55	8.22	6.87	13.65
10000	1675	-2.71	3.12	-0.16	8.31	6.47	14
10000	1700	1.21	3.35	2.27	8.68	7.63	13.14
10000	1725	1.21	3.35	-1.63	6.72	5.52	11.16
10000	1750	-1.57	2.91	0.09	6.91	5.91	10.97
10000	1775	1.4	2.57	4.82	6.14	7.87	9.7
10000	1800	-0.4	2.55	1.35	4.63	6.26	9.1
10000	1825	-1.03	2.4	2.92	3.21	3.9	7.75
10000	1850	5.53	2.04	7.16	1.83	10.9	6.34

APPENDIX E
PERSONNEL

PERSONNEL

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Line cutter

APPENDIX F

WRITER'S CERTIFICATE

AMERLIN EXPLORATION SERVICES LTD.

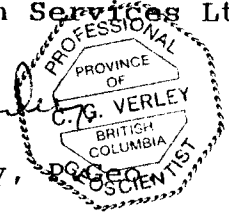
2150 - 1851 Savage Road, Richmond, B.C. V6V 1R1 Tel/Fax (604) 821-1088

WRITER'S CERTIFICATE

I, Carl G. Verley of Vancouver, British Columbia
hereby certify that:

1. I am a geologist residing at 8191 Osler Street,
Vancouver B.C.
2. I am a graduate of the University of British Columbia,
B.Sc. in 1974, and have practised my profession since
that time.
3. I am a registered member of the Association of Professional
Engineers and Geoscientists of the Province of B.C.
4. I am the author of this report which is based on work
supervised by me on the LANCE 1 - 12 claims and conducted
during the period August 10 to September 11, 1994.
5. I have no direct or indirect interest in the securities of
Snowdrift Minerals Inc. nor do I expect to receive any.

Amerlin Exploration Services Ltd.

Carl G. Verley
Carl G. Verley, The seal is a circular emblem with a double-lined border. Inside the border, the text "PROFESSIONAL" is at the top, "PROVINCE OF" is in the middle, "C.G. VERLEY" is in the center, "BRITISH COLUMBIA" is at the bottom, and "GEOSCIENTIST" is at the very bottom.

December 27, 1994.
Richmond, B.C.