Rimfire Minerals Corporation

2002 TECHNICAL REPORT ON THE CARPENTER PROJECT

Located in the Mayo Mining District
NTS 106D/6, 11
64° 28' North Latitude
135° 20' West Longitude

-prepared for-
DEPARTMENT OF ENERGY MINES & RESOURCES
GOVERNMENT OF YUKON
P O Box 2703
Whitehorse, Yukon, Canada
Y1A 2C6

-prepared by-
Mark E Baknes, P Geo
EQUITY ENGINEERING LTD.
Suite 700, 700 West Pender Street
Vancouver, British Columbia, Canada
V6C 1G8
markb@equityeng bc ca
www equityengineering com

December 2002

2002 TECHNICAL REPORT ON THE CARPENTER PROJECT

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

LIST OF FIGURES

1.0 INTRODUCTION

The Carpenter target area was selected for its potential to host mineralization similar to the Blende Zn-Pb-Ag carbonate hosted deposit (19 4 million tones grading 2 8% Pb, 3 04% Zn and 55 9 g/t Ag)(Robinson, 1995) located 30 km to the southeast (Figure 1) The Carpenter Ridge project area contains two documented mineral occurrences, the Silver Hill which was drilled in 1929 and 1990, and the Carpenter occurrence, which was explored in the 1920's The geological setting at Carpenter Ridge is very similar to that at the Blende, which is underlain by Proterozoic dolomite of the upper Gillespie Lake Group intruded by Proterozoic diorite and gabbro sills There is very little detailed information published on the Carpenter Ridge occurrences making an assessment difficult Rimfire Minerals Corporation (Rimfire) considered that new potential might be revealed by examining the Carpenter Ridge showings in the context of published data on the Blende A two-man, five-day field program was carried out on Carpenter Ridge in July The occurrences were examined and extensively sampled to obtain representative samples and determine the local controls on mineralization Area mapping was aimed at locating other areas of potential and extensions to known mineralization Two reconnaissance soil lines were also established to investigate a southward extension to the mineralization at the Carpenter showing Equity Engineering Ltd was contracted to execute the 2002 Carpenter fieldwork and report on the results

2 0 PROPERTY TITLE

There are currently 13 Yukon Mining Leases covering the Silver Hill prospect (Figure 2) The Yukon Minfile maps have the location of the Silver Hill prospect misplotted 1 5 kilometres to the south of the actual location This incorrect location wrongly indicates that the prospect is on open ground

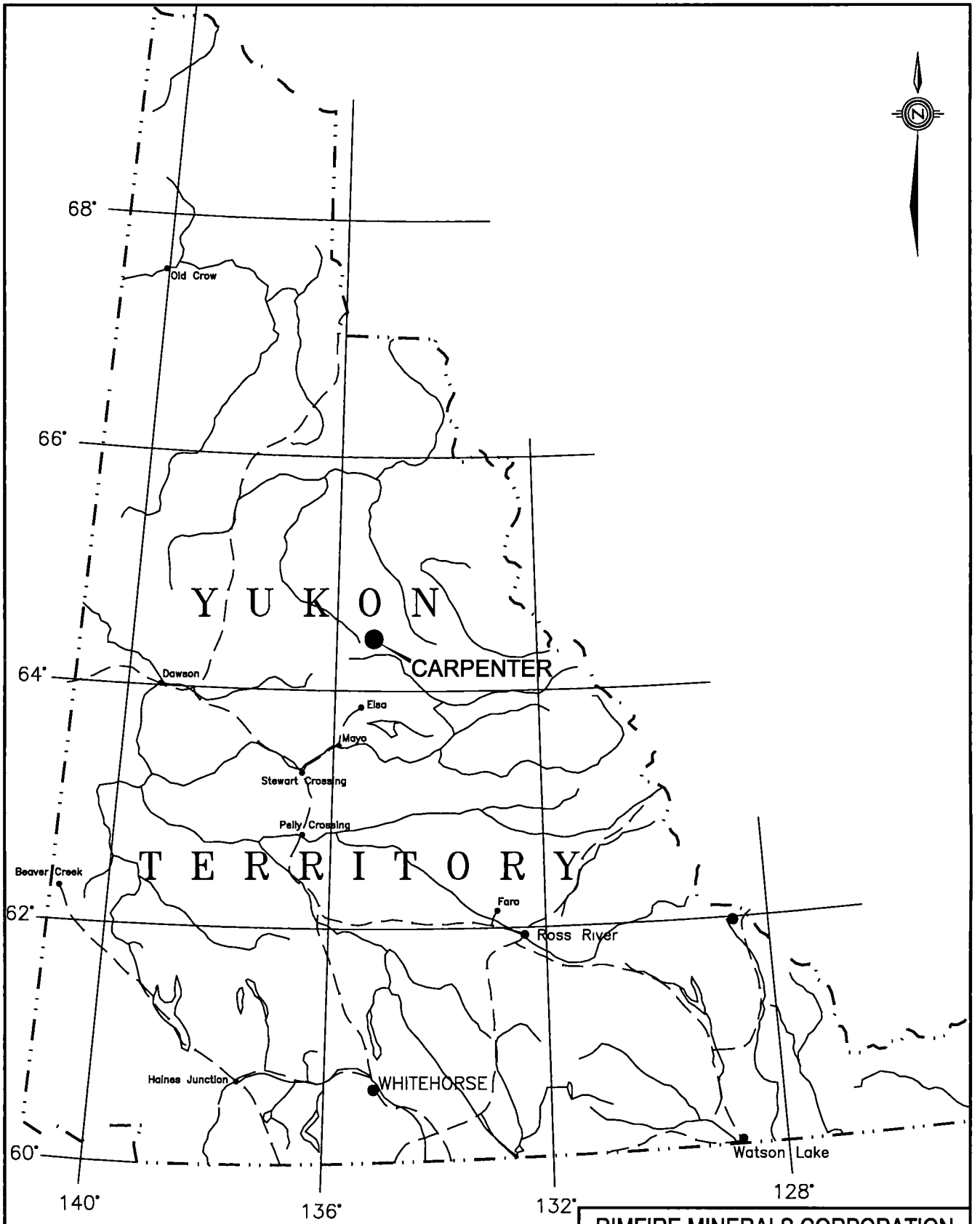
3 0 LOCATION, ACCESS AND GEOGRAPHY

The Carpenter Ridge Project area is located approximately 65 km north of Keno at 64° 28' north latitude, 135° 20' west longitude (NTS 106D\6,11)(Figure 1) Access to the project area is achieved via helicopter from Mayo 105 km to the south The Wind River Trail, a winter access road, passes 20 km east of Carpenter Ridge The project area is situated in the Wernecke Mountains in north central Yukon and is bound on the south by Police Creek, on the east by Carpenter Creek, on the north by the Hart River, and on the west by Elliot Creek Topography is steep to moderate with elevations ranging from 900 metres in the valley bottoms to 1800 m on the most prominent peaks and ridges Tree line is at approximately 1200 m and all areas examined are well within the alpine with only minor grassy vegetation between extensive outcrops and felsenmeer

The Carpenter is subject to a northern continental climate, with short warm, summers and cold and dry winters Snow fall depths range between 2 and 3 m

4 0 EXPLORATION HISTORY

The Carpenter occurrence was first staked in 1922 and later restaked in 1927 and 1928 During this period several hand trenches were excavated that exposed the Carpenter occurrence The Silver Hill occurrences were first staked in 1923 with 9 claims Cominco optioned the claims in 1929 and performed hand trenching in 1930 and drilled 4 holes totalling 455 7 m and took the original claims to lease in 1931 The claims were acquired by Ventures Ltd , which added additional claims By 1952, through a series of transactions the claims became the property of Beaver River Silver Lead Mining Ltd Additional claims were taken to lease in 1956 and ownership transferred to what is now

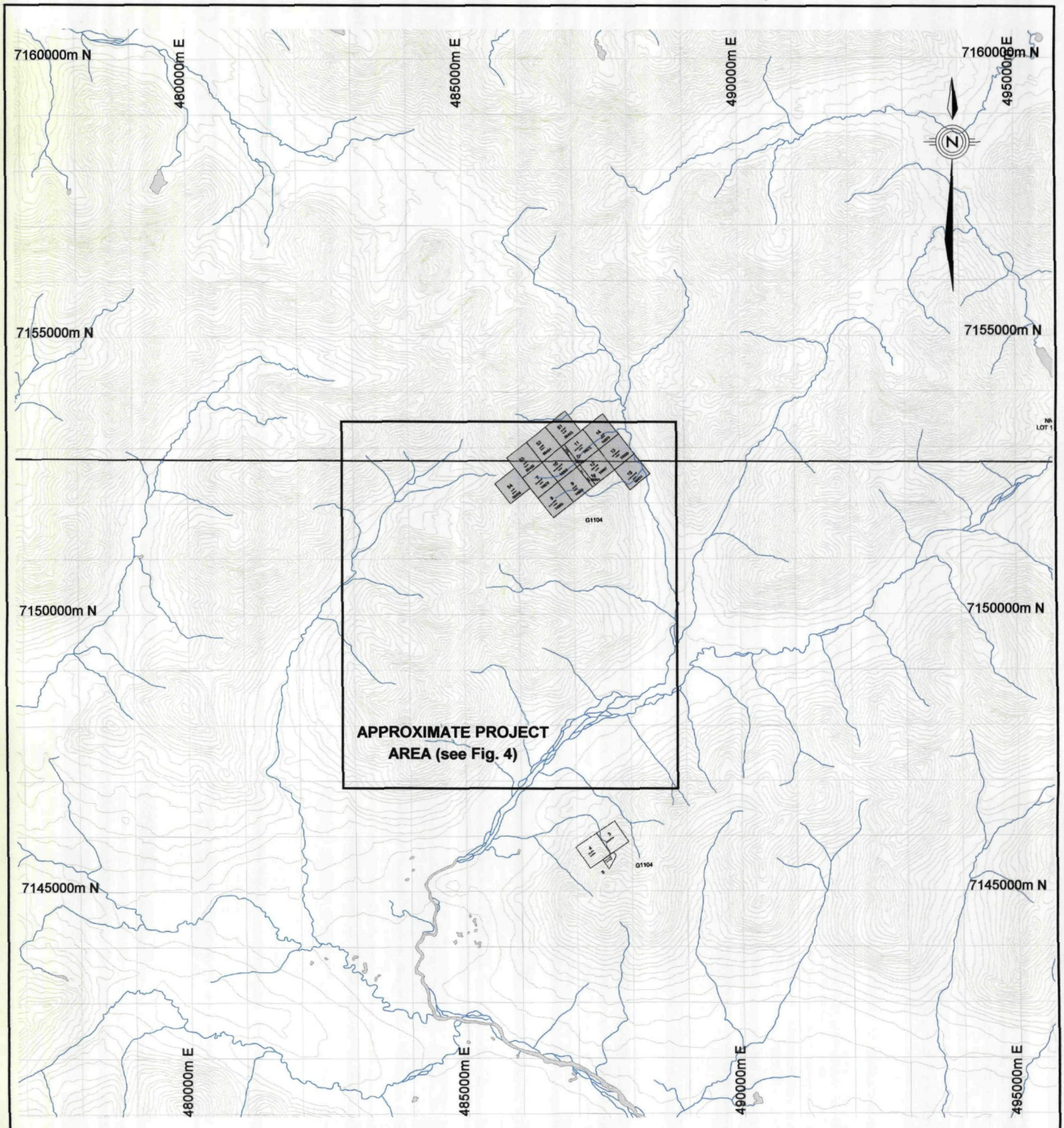


RIMFIRE MINERALS CORPORATION

CARPENTER PROJECT

LOCATION MAP

EQUITY	Date: January 2003	Scale: 1:5,000,000	Figure: 1
	U.T.M. Zone: UTM	Mining District: MAYO	
	N.T.S.: 106D\6,11	State/Province: YUKON	



RIMFIRE MINERALS CORPORATION

CARPENTER PROJECT

PROJECT AREA CLAIMS

EQUITY	Date: January 7, 2002	Scale: 1:100,000	Figure 2
	U.T.M. Zone: UTM8 - NAD83	Mining District: MAYO	
	N.T.S.: 106D\6,11	State/Province: YUKON	

Falconbridge Limited Big Creek Resources Ltd optioned the property in 1990 and added claims, and drilled 5 holes totalling 610 m

5 0 EXPLORATION PROGRAM

A five-day program of prospecting, mapping and rock sampling was conducted on the property A Mayo-based helicopter moved two men and a fly camp from the staging point at McQuesten Lake to Carpenter Ridge A magnetic declination of 27° 56' E was used for all compass measurements All maps and UTM coordinates are referenced to the 1927 North American Datum (NAD-27)

A total of 24 rock samples were taken and submitted for analysis Descriptions of the rock samples are attached in Appendix B A single silt sample was collected from the stream draining the Silver Hill occurrence to aid in the interpretation of regional silt sample data Sixteen soil samples were collected from the Carpenter occurrence area Sample sites were marked by orange and blue flagging and aluminum tags for rocks and Tyvek tags for soil samples All samples were analyzed by ACME Analytical Labs of Vancouver (Appendix C) Locations for all 2002 silt, soil and rock samples are plotted on Figure 4

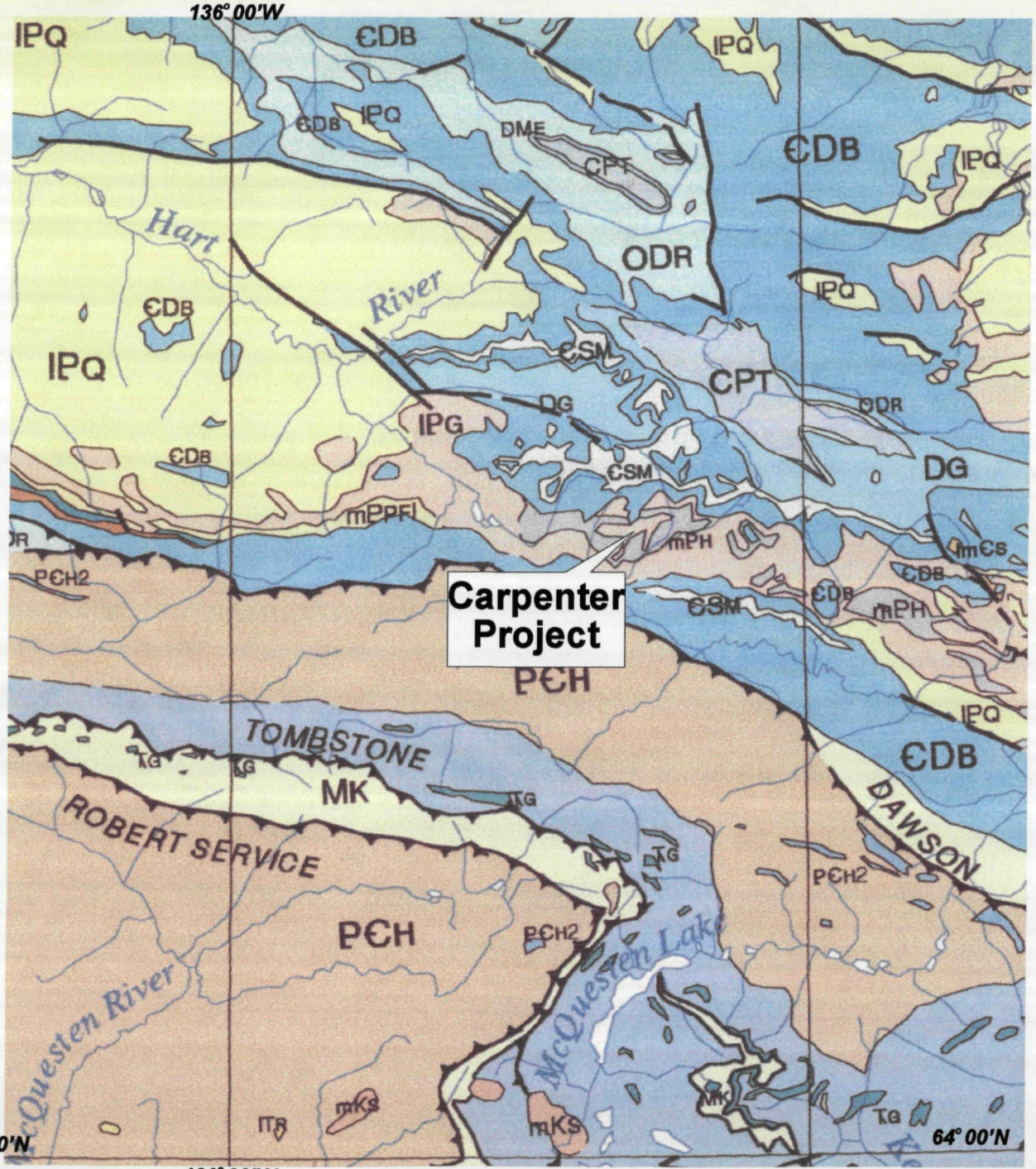
6 0 REGIONAL GEOLOGY

The Carpenter Ridge project area is underlain by Proterozoic dolomite of the upper Gillespie Lake Group (Figure 3)(unit lPG)(Gordey, 1999), which forms the upper section of the Wernecke Supergroup, a Middle to Late Proterozoic shelf assemblage deposited during extension at the margin of ancestral North America (Thompson, 1986) Diorite dikes (unit MPH), dated at 1380 ± 4 Ma (Robinson, 1995), intrude the Gillespie dolomites The Proterozoic rocks are unconformably overlain by flat lying Paleozoic carbonates (CDB) exposed on the highest ridges This same regional setting persists to the southeast for a distance of 50 km in association with other Pb-Zn±Cu showings The most significant occurrence is the Blende carbonate hosted Zn-Pb-Ag deposit located some 30 km southeast along this same regional trend Mineralization there is spatially associated with a mid-Proterozoic fault zone that crosscuts stromatolitic dolostones of the Gillespie Lake Group Recent work concludes that the controls on the largely replacement style mineralization are both stratigraphic and structural Many of the stromatolitic beds are mineralized and are best mineralized close to normal faults Lead isotope model ages indicate an age of 1 4 to 1 5 Ga for the deposit This age is considered older or penecontemporaneous with the diorite sill complex The close spatial association of mineralization with the sills and the indications of high fluid temperatures suggest a genetic link between the sills and the mineralization (Robinson, 1995)

7 0 PROPERTY GEOLOGY

7 1 Lithology

The oldest lithologies in the target area belong to the Gillespie Lake Group The dominant lithology is orange to pinkish weathering silty dolostone (unit DO) (Figure 4) that ranges from massive to laminated and cross bedded Green and grey and locally maroon thinly laminated shale (unit SHL) is locally interbedded with the dolostone and forms discrete horizons Green to grey fine-grained siltstones (unit SLT), transitional to the shale also occur as narrow sections This silty material is a common constituent of the dolostone The cross cutting diorites (unit DI) are generally dark green fine-grained intergrowths of chlorite- and epidote-replaced mafics that form resistant outcrops Limestone (unit LS) forms the ridge west of Silver Hill and is extensive north of the project area



Refer to following page for legend

0 40 km

RIMFIRE MINERALS CORPORATION

CARPENTER PROJECT

REGIONAL GEOLOGY

EQUITY	Date: Jan 2003	Scale: as shown	Figure: 3
	UTM Zone: UTM 7	Mining District: MAYO	
	NTS: 106D\6,11	State/Prov: YUKON	

LITHOLOGIC LEGEND (to accompany Figure 3)

MID-CRETACEOUS

mKS ***SELWYN SUITE*** plutonic suite of intermediate (g) to more felsic composition (q) and rarely syenitic (y) composition, equivalent felsic dykes (f), complete compositional gradation so that these designations are somewhat arbitrary

CARBONIFEROUS TO PERMIAN

CPT ***TSICHU*** thin- to medium-bedded, siliceous calcarenite, dolomite, sandy dolomite and minor grey quartzite, buff and grey weathering, thick-bedded, dark grey bioclastic limestone, black to silvery shale, minor chert, and chert-pebble conglomerate **(Tsichu)**

MISSISSIPPIAN

MK ***KENO HILL*** massive to thick-bedded quartz arenite, thin- to medium-bedded quartz arenite interstratified with black shale or carbonaceous phyllite, local scour surfaces and shale intraclasts, locally foliated and lineated **(Keno Hill Quartzite)**

DEVONIAN AND MISSISSIPPIAN

DME ***EARN*** complex assemblage of submarine fan and channel deposits (1), (5) within black siliceous shale and chert (2), (4) and including separated small occurrences of felsic volcanic rocks (3), barite common, and many occurrences of stratiform Pb-Zn

LOWER AND MIDDLE DEVONIAN

DG ***GOSSAGE*** assemblage consists of limestone and dolostone (1) and partly equivalent black limestone (2) and shale (3)

UPPER CAMBRIAN TO LOWER DEVONIAN

CDB ***BOUVETTE*** lower Paleozoic undivided carbonate (1) with locally named tongues(?) (2) and (3)

MIDDLE PROTEROZOIC

mPPFI ***PINGUICULA/FIFTEEN MILE (LOWER)*** dominantly carbonate assemblage with basal clastics comprising two regionally correlated units (1) and (2), includes possible other correlative carbonate, clastic and volcanic rocks (3) and (4)

mPH ***HART RIVER*** mafic volcanic flows (1) and (3) and their possible intrusive equivalents (2)

ORDOVICIAN TO LOWER DEVONIAN

ODR ***ROAD RIVER - SELWYN*** black shale and chert (1) overlain by orange siltstone (2) or buff platy limestone (3), locally contains beds as old as Middle Cambrian (4), correlations with basinal strata in Richardson Mountains include ODR1 with CDR2 (upper part) and ODR2 with CDR4 **(Road River Gp)**

UPPER PROTEROZOIC TO LOWER DEVONIAN

PCH ***HYLAND*** consists upwards of coarse turbiditic clastics (1), limestone (2) and fine clastics typified by maroon and green shale (3), may include younger (4) units, includes scattered mafic volcanic rocks (5) **(Hyland Gp)**

LOWER PROTEROZOIC

LPG ***GILLESPIE LAKE*** dolostone and silty dolostone, locally stromatolitic, locally with chert nodules and sparry karst infillings, interbedded with lesser black siltstone and shale, laminated mudstone, and quartzose sandstone, local dolomite boulder conglomerate **(Gillespie Lake Gp)**

LPQ ***QUARTET*** black weathering shale, finely laminated dark grey weathering siltstone, and thin to thickly interbedded planar to cross laminated light grey weathering siltstone and fine grained sandstone, minor interbeds of orange weathering dolostone in upper part **(Quartet Gp)**

The limestone is characteristically light grey in contrast to the dolostone and is generally massive and unstratified Locally spectacular exposures of stromatolitic limestone indicate shallow to flat bedding orientations

7.2 Alteration and Mineralization

Mineralization at the Carpenter occurrence is exposed in five hand trenches that extend in a north-south direction for approximately 50 m The pits are in an area of heavy talus of dolostone and diorite and do not obviously penetrate to solid bedrock The mineralized zone is hosted in dolostone within 10-15 m of the footwall contact of a diorite sill to the west Replacement and breccia style galena (±sphalerite) mineralization occurs within strongly recrystallized sparry-granular dolostone (dolomite) Mineralization also contains ragged blebs of silica Pisolites were noted in some of the adjacent dolomite float, a feature not seen elsewhere Results in Table 7 2 1 indicate significant grades of Pb and Ag, but with very low associated Zn values Sample 275967 located 700 metres to the southwest of the trenches is an isolated cobble of float having metal concentrations and textures similar to mineralization in the trenches

Table 7.2.1
Rock Sample Results

Sample		Au (ppb)	Pb (%)	Zn (%)	Ag ~~(ppm)~~ g/t See assay sheets
275910	Carpenter	21	10 3	0 1	98 2
275911	Carpenter	16	4 3	0 0	40 9
275968	Carpenter	12	22 3	0 8	131 8
275969	Carpenter	8	10 5	0 1	52 8
275970	Carpenter	7	1 7	1 5	20 4
275967	S Carpenter	7	26 1	0 7	140 9
275925	S Silver Hill	29	4 6	0 7	35 9
275926	S Silver Hill	24	1 5	0 8	18 0
275916	Silver Hill	2	47 0	20 2	329 5
275917	Silver Hill	5	64 0	11 1	468 9
275918	Silver Hill	3	44 4	18 8	275 6
275919	Silver Hill	< 2	26 5	11 1	170 4
275920	Silver Hill	6	55 7	10 5	274 6
275922	Silver Hill	2	4 3	17 4	146 3
275923	Silver Hill	3	40 1	15 9	304 5
275971	Silver Hill	18	41 1	0 8	170 4
275972	Silver Hill Breccia	< 2	21 7	5 0	101 2
275913	W Silver Hill	4	0 2	2 5	1 3

The Silver Hill prospect is hosted in a section of steeply-dipping dolomite capped by stromatolitic limestones Mineralization is primarily confined to a 25 to 40 m thick section of shale to siliceous argillite within the dolomite sequence A 30 to 40 m thick north-dipping shear zone, exposed in a saddle 800 m to the southwest, projects beneath the mineralized zone Numerous moderately northwest-dipping faults occur in and around the mineralized area Mineralization is dominated by approximately 5 veins of massive galena with lesser sphalerite and pyrite, sparry dolomite and quartz These veins are massive and carry from 40-90% sulphides and often have a footwall of sparry dolomite and sphalerite stockworks The veins vary from 1 5 to 2 0 m thickness as exposed in numerous hand trenches Trenches expose up to 40 m strike length before the veins are covered in heavy talus toward the valley bottom Stratigraphy is oriented at 070°/65°NW whereas veins average 060°/45°NW A breccia zone, exposed over a 35 m by 25 m dip-slope area, is oriented parallel to the

veins, but is at least 3 to 5 m thick The breccia consists of 15-20% galena and sphalerite in a sparry dolomite matrix It appears that the veins and breccias are discordant to the stratigraphy and are controlled by the prevalent northwest-dipping faults Results from sampling in the Silver Hill area in Table 7 2 1 reveal results high in Pb, Zn and Ag, which contrasts with the Carpenter occurrence samples that are relatively low in Zn content

Samples 275925 and 275926 represent weakly mineralized quartz float containing geochemical levels of Au found in the drainage immediately south of Silver Hill Samples 275913 consists of a gossanous quartz vein hosted in the Paleozoic limestones unconformably lying on top of the dolostones The different host rocks, style and metal content of this mineralization suggest a distinct mineralizing event

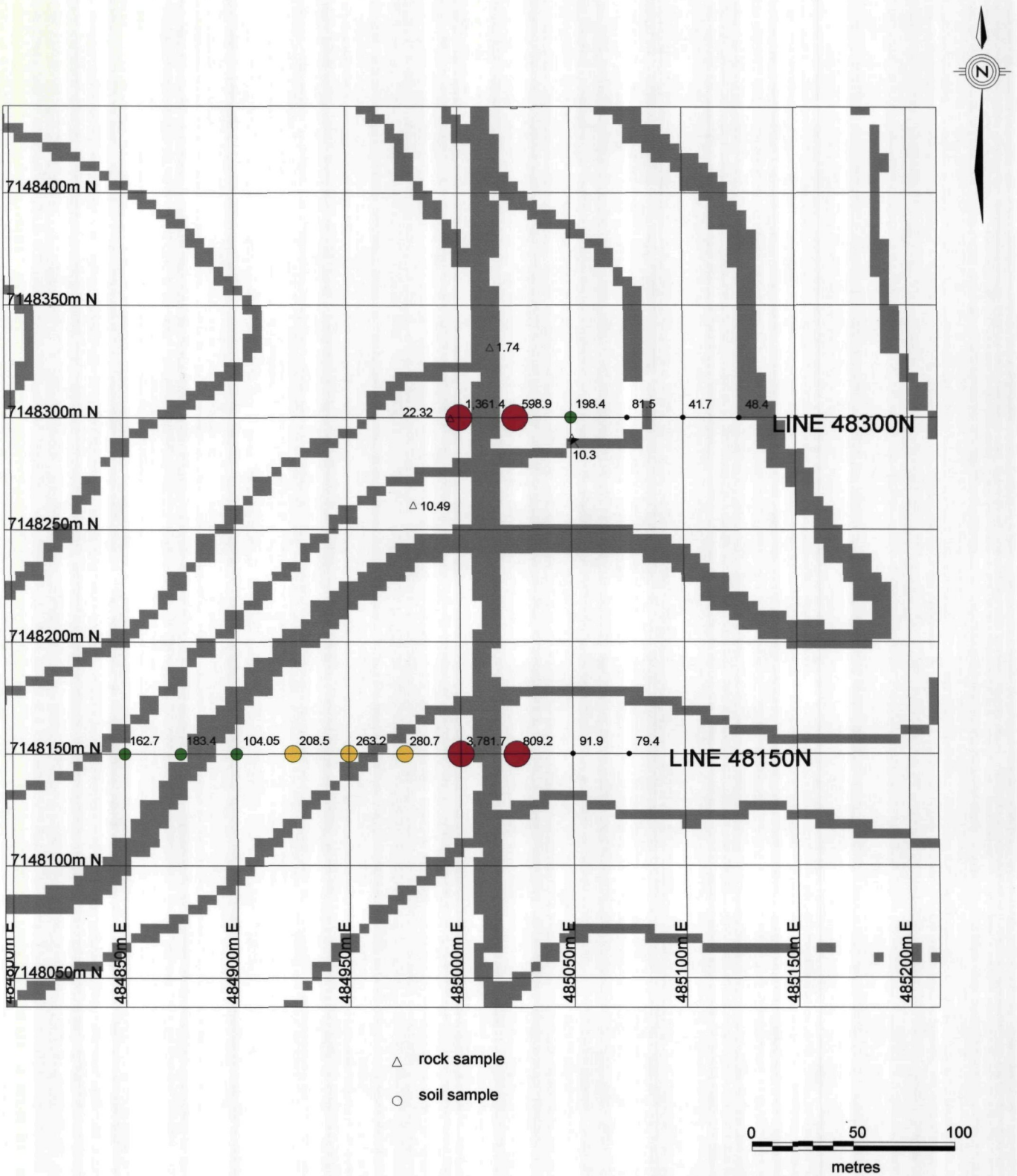
8.0 SOIL GEOCHEMISTRY

Two soil sample lines were established to test for extensions to the mineralization exposed at the Carpenter occurrence (Figure 5a-5c) The two lines, separated by 150 m, tested below the suspected controlling dolomite-diorite contact The most northerly line, which tested the soil response over the known mineralization, returned high concentrations of Cu, Pb, Zn and moderate values of Ag in two samples separated by 25 m The line 150 m to the south returned similarly anomalous results, but over a wider zone 100 m wide The Cu anomaly is partly offset from the Pb-Zn-Ag anomaly and more closely associated with the diorite Minor Cu mineralization in quartz veins was commonly noted within and adjacent to the diorite sills elsewhere in the area No mineralization was noted in the partial talus where the anomaly is located, however the soil was well developed and had a distinctive red colouration These anomalous results certainly indicate potential to extend the Carpenter Zone southward, however, it is possible that at least some of the anomalous response, particularly at the east end of the line could represent down-slope dispersion from the trenches

Table 8.0.1
Soil Sample Results Carpenter Occurrence

Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
48300N 85000E	151	1361	693	1 7	4
48300N 85025E	237	599	212	0 7	3
48300N 85050E	68	198	144	0 3	3
48300N 85075E	30	82	130	0 1	3
48300N 85100E	23	42	85	0 1	1
48300N 85125E	19	48	94	0 1	3
48150N 84850E	495	163	138	0 3	13
48150N 84875E	137	183	133	0 2	9
*48150N 84900E	111	104	146	0 2	13
48150N 84925E	143	209	164	0 2	4
48150N 84950E	117	263	409	0 4	9
48150N 84975E	37	281	296	0 7	4
48150N 85000E	55	3782	426	2 1	<1
48150N 85025E	74	809	423	0 8	3
48150N 85050E	38	92	114	0 2	1
48150N 85075E	51	79	130	0 2	1

* average of lab duplicates

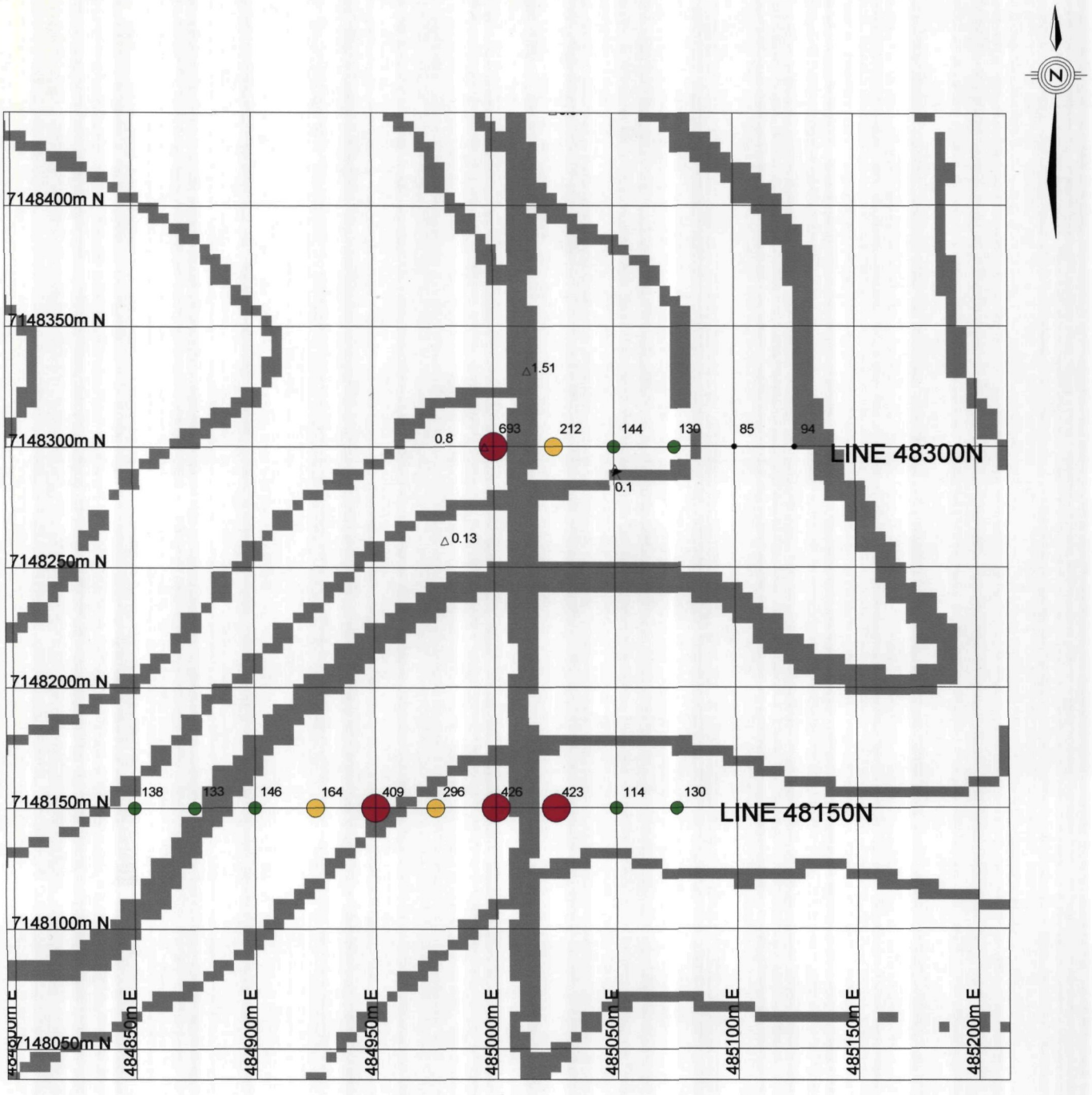


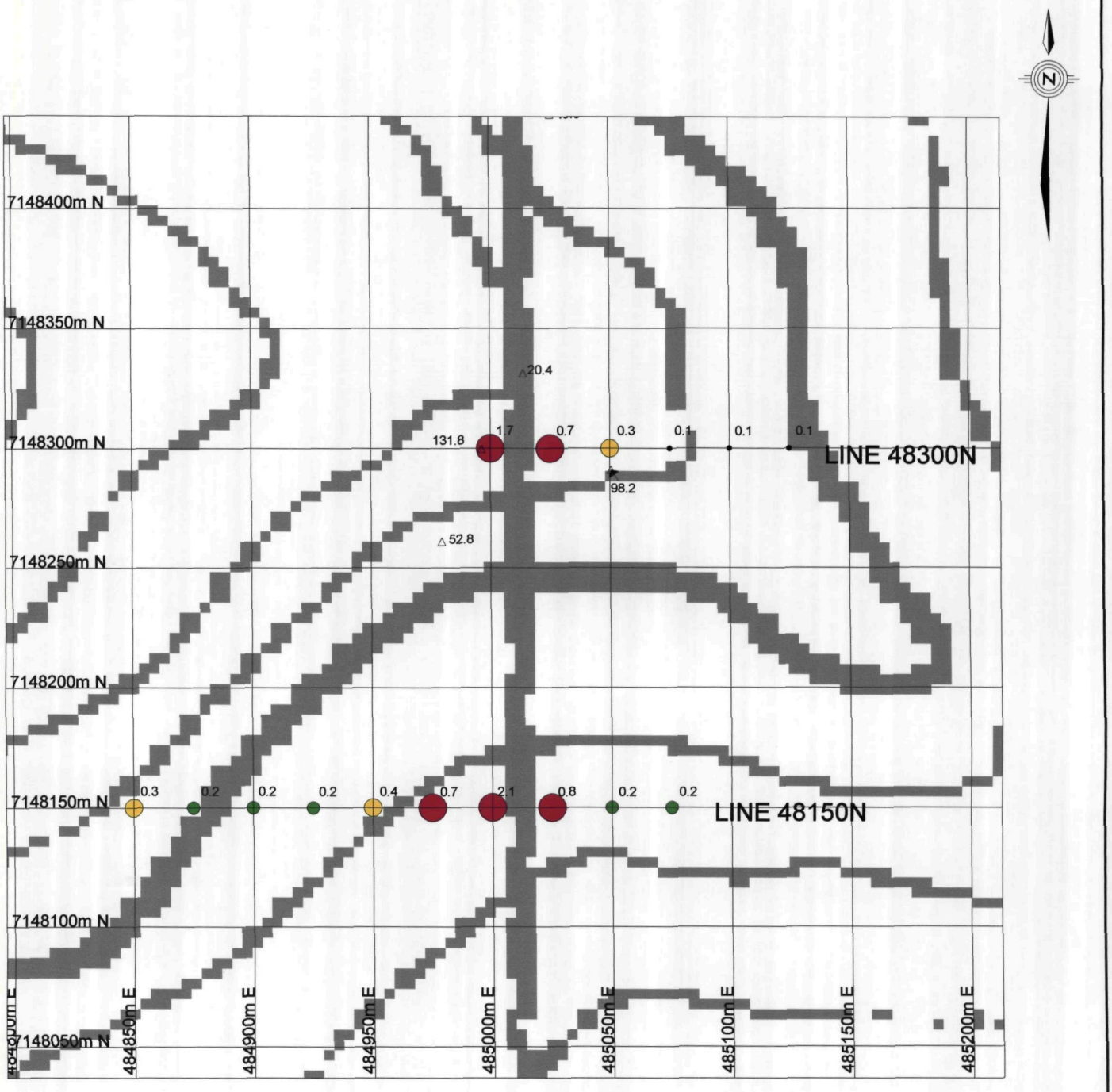
RIMFIRE MINERALS CORPORATION

CARPENTER PROJECT

Pb (ppm) GEOCHEMISTRY IN SOILS

EQUITY	Date: January 7, 2002	Scale: 1:2500	Figure 5a
	U.T.M. Zone: UTM8 - NAD83	Mining District: MAYO	
	N.T.S.: 106D\6,11	State/Province: YUKON	


7148400m N
7148350m N
7148300m N
7148250m N
7148200m N
7148150m N
7148100m N
7148050m N
484850m E
484900m E
484950m E
485000m E
485050m E
485100m E
485150m E
485200m E
△1.51
0.8
693
212
144
139
85
94
LINE 48300N
0.1
△0.13
138
133
146
164
409
296
426
423
114
130
LINE 48150N
△ rock sample
○ soil sample
0
50
100
metres
Zinc in soils (ppm)
>300
150 to 300
100 to 150
0 to 100
RIMFIRE MINERALS CORPORATION
CARPENTER PROJECT
Zn (ppm) GEOCHEMISTRY IN SOILS
EQUITY
Date: January 7, 2002
Scale: 1:2500
U.T.M. Zone UTM8 - NAD83
Mining District MAYO
N.T.S. 106D\6,11
State/Province YUKON
Figure 5b



RIMFIRE MINERALS CORPORATION

CARPENTER PROJECT

Ag (ppm) GEOCHEMISTRY IN SOILS

EQUITY	Date: January 7, 2002	Scale: 1:2500	Figure 5c
	U.T.M. Zone: UTM8 - NAD83	Mining District: MAYO	
	N.T.S.: 106D\6,11	State/Province: YUKON	

9 0 DISCUSSION AND CONCLUSIONS

There are three questions worth considering in the evaluation of the Carpenter Ridge area potential

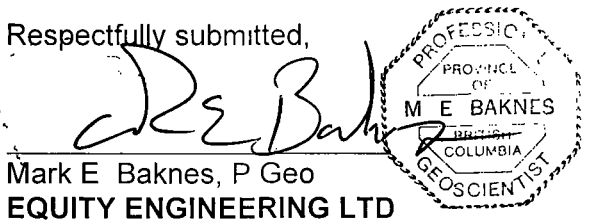
1 How does the mineralization on Carpenter Ridge compare to the Blende?
2 What are the controls on mineralization at Silver Hill?
3 Does the Carpenter-occurrence share enough positive characteristics with Silver Hill and/or the Blende to warrant further exploration?

With regard to question 1, there is good evidence based on the regional geological setting, mineralization styles and textures that the age and basic genesis of the mineralization at the Blende and Carpenter Ridge are essentially equivalent The stratigraphic framework is the same in both areas where Gillespie Lake Dolomites are intruded by a large volume of diorite sills At the Blende these sills are hypothesised to be the ultimate heat source for the mineralization and delineate primary fault structures related to rifting Genetic links between sill emplacement and mineralization at the Blende are demonstrated and indicated by a spatial association at the Carpenter occurrence Texturally and mineralogically the mineralization at the Blende and Carpenter Ridge are similar although there are no detailed petrographic studies of the Carpenter Ridge mineralization

In answer to question 2, mineralization at Silver Hill has both a stratigraphic control and a very clear structural control analogous to the Blende Carbonaceous shale and siliceous argillite at Silver Hill appear to have provided a "brittle" host allowing dilation and vein infilling The significant breccia mineralization at Silver Hill may represent purely structurally controlled mineralization along a substantial (growth?) fault structure No sulphide replacement of stromatolitic horizons is evident at Silver Hill although there does appear to be an association of mineralization and pisolites at the Carpenter occurrence Rotating stratigraphy to the horizontal at Silver Hill results in a geometry where controlling faults have a normal sense of movement, again bearing strong resemblance to the Blende

The answer to the last question is not surprisingly more difficult to answer It has been established that the mineralization on Carpenter Ridge is in the same genetic class as that found at the Blende Mineralization at the Silver Hill occurrence is significant and in the authors opinion has not been properly tested through drilling There does not appear, however, to be obvious potential to extend the Silver Hill mineralization beyond the current mining leases The Carpenter occurrence represents the best area to focus exploration Soil sampling indicates possible extensions of this mineralization to the south and a sample of strongly mineralized float found 700 m to the southwest indicates other potential Testing of this potential is best carried out by establishing a soil grid over the area to the south of the trenches, focusing on the diorite-dolomite contact There are two negative factors regarding the potential of the Carpenter that are important to consider Firstly, if significant mineralized zones project to surface to the south in the area of best potential, there should be visible mineralized float However, no significant mineralization was noted during the single traverse through the area It is possible that potential zones could be covered by heavy diorite talus cover, which appears to be the case north of the trenches Secondly the mineralization so far sampled at the Carpenter is of significantly lower grade than at the Silver Hill Newly uncovered zones if they exist will need to contain higher grades to be considered potentially economic

Respectfully submitted,



Mark E Baknes, P Geo
EQUITY ENGINEERING LTD

Vancouver, British Columbia
December 2002

APPENDIX A

BIBLIOGRAPHY

BIBLIOGRAPHY

Gordey, S P and Makepeace, A J , 1999, Yukon Digital Geology, Geological Survey of Canada, Open File D3826

Robinson, M , Godwin, C I Genesis of the Blende Carbonate-Hosted Zn-Pb-Ag Deposit, North-Central Yukon Territory Geologic, Fluid Inclusion and Isotopic Constraints, Econ Geol V 90, 1995, pp 369-384

Thompson, R I , Mercier, E , and Roots, C F , 1986, Extension and its influence on Canadian Cordilleran passive margin evolution Geological Society of London Special Publication, v 28, p 409-420

APPENDIX B

ROCK SAMPLE DESCRIPTIONS

MINERALS AND ALTERATION TYPES

AK	ankerite	AL	alunite	AS	arsenopyrite
AU	native gold	AZ	azurite	BA	barite
BI	biotite	BO	bornite	BT	pyrobitumen
CA	calcite	CB	Fe-carbonate	CC	chalcocite
CD	chalcedony	CL	chlorite	CP	chalcopyrite
CV	covellite	CY	clay	DO	dolomite
EN	enargite	EP	epidote	GE	goethite
GL	galena	GR	graphite	HE	hematite
HS	specularite	HZ	hydrozincite	JA	jarosite
KF	potassium feldspar	MC	malachite	MG	magnetite
MN	Mn-oxides	MO	molybdenite	MR	mariposite/fuchsite
MS	sericite	MT	marcasite	MU	muscovite
NE	neotocite	PA	pyrargyrite	PL	pyrolusite
PO	pyrrhotite	PY	pyrite	QZ	quartz veining
RE	realgar	RN	rhodonite	SB	stibnite
SD	siderite	SI	silicification	SM	smithsonite
SP	sphalerite	SR	scorodite	TR	tremolite
TT	tetrahedrite				

ALTERATION INTENSITY

m	moderate	s	strong	tr	trace
vs	very strong	w	weak		

Rock Sample Descriptions

Project Name: Carpenter Ridge **Project:** RFM02-10 **NTS:** 106D/6, 11

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	sCB	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275910 Carpenter	UTM 7148290 89	N	UTM 485050 51	E	Strike Length Exp		Metallics	3-5%GL	21	98 2	<100	<100
	Elevation 4920	ft	Sample Width 0	cm	True Width	cm	Secondaries	sHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	Dolomite			70	<10	103000	1000
Sampled By TB 05-Jul-02	Talus sample taken 75-100 m east across slope from main trenches Mineralization is near contact with diorite above											

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	sCB	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275911 Carpenter	UTM 7148439 2	N	UTM 485025 59	E	Strike Length Exp		Metallics	trCP, 1-2%GL	16	40 9	100	<100
	Elevation 4860	ft	Sample Width 0	cm	True Width	cm	Secondaries	mHE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	Dolomite			90	<10	43400	100
Sampled By TB 05-Jul-02	Taken 150-200m NE of trenches Mineralization is near contact with diorite above											

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	QZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275912 Carpenter	UTM 7150710 61	N	UTM 485753 29	E	Strike Length Exp		Metallics	1%GL, 2-3%PY, 1%SP	4	2	<100	<100
	Elevation 5540	ft	Sample Width 0	cm	True Width	cm	Secondaries	wHE, wJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	sediments			50	<10	1800	1200
Sampled By TB 06-Jul-02	Float taken in first right creek fork above camp Fine-grained sediments with 2-3% pyrite Quartz vein material has 1% pyrite-1% sphalerite											

Sample Number	Grid North	N	Grid East	E	Type	Grab	Alteration	QZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275913 Carpenter	UTM 7151921 25	N	UTM 486074 59	E	Strike Length Exp	3 m	Metallics	trGL, trPY	4	1 3	100	<100
	Elevation 5550	ft	Sample Width 25	cm	True Width	cm	Secondaries	sGE, sHE,sJA,sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	Vein 090°/?°				Host	Dolomite			20	<10	2300	24700
Sampled By TB 06-Jul-02	Taken above (?) hill trenches on side hill 2m wide grey green very frothy quartz vein											

Sample Number	Grid North	N	Grid East	E	Type	Grab	Alteration	QZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275914 Carpenter	UTM 7151920 49	N	UTM 486074 85	E	Strike Length Exp	3 m	Metallics	trGL, trPY	4	16 4	<100	<100
	Elevation 5550	ft	Sample Width 25	cm	True Width	cm	Secondaries	sGE, sHE,sJA,sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	090°/°				Host	Diorite			20	<10	4200	500
Sampled By TB 06-Jul-02	Taken 5 m across slope to NE from 275913 Grey green frothy quartz											

Sample Number	Grid North	N	Grid East	E	Type	Grab	Alteration	QZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275915 Carpenter	UTM 7151919 47	N	UTM 486074 61	E	Strike Length Exp	3 m	Metallics	>1%GL, tr PY	2	7 3	<100	<100
	Elevation 5550	ft	Sample Width 25	cm	True Width	cm	Secondaries	sGE,sHE,sJA,sMN	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	090°/°				Host	dolomite			10	<10	2400	200
Sampled By TB 06-Jul-02	Taken between 275913 and 275914 Same type of quartz											

Rock Sample Descriptions

Project Name: Carpenter Ridge **Project:** RFM02-10 **NTS:** 106D/6, 11

Sample Number	Grid North	N	Grid East	E	Type Chip	Alteration sCB,sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275916 Carpenter	UTM	N	UTM	E	Strike Length Exp 12 m	Metallics 90%GL, 1%PY, 4%SP	2	329 5	100	<100
	Elevation 4920	ft	Sample Width 1	m	True Width cm	Secondaries sGE,sHE,sJA,sMN,mHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	Vein				Host		40	<10	469700	201800
Sampled By TB 06-Jul-02	Taken in Silver Hill trenches Massive lead with some zinc and pyrite Location SILVER HILL									
Sample Number	Grid North	N	Grid East	E	Type Chip	Alteration sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275917 Carpenter	UTM	N	UTM	E	Strike Length Exp 12 m	Metallics 100%GL	5	468 9	100	<100
	Elevation 4910	ft	Sample Width 50	cm	True Width	Secondaries sGE, sHE, sJA, sMN, m	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host		110	<10	640400	110800
Sampled By TB 06-Jul-02	Taken 7m below 275916 on same vein Massive lead Location SILVER HILL									
Sample Number	Grid North	N	Grid East	E	Type Chip	Alteration sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275918 Carpenter	UTM	N	UTM	E	Strike Length Exp 20 m	Metallics 90%GL, 5%SP	3	275 6	<100	<100
	Elevation 4910	ft	Sample Width 1	m	True Width cm	Secondaries sGE, sJA, sHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host		120	<10	444400	187600
Sampled By TB 06-Jul-02	Taken in next vein east of 275917 vein Massive lead, some zinc Location SILVER HILL									
Sample Number	Grid North	N	Grid East	E	Type Chip	Alteration sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275919 Carpenter	UTM	N	UTM	E	Strike Length Exp 20 m	Metallics 75%GL, 5%SP	< 2	170 4	<100	<100
	Elevation 4920	m	Sample Width 30	cm	True Width cm	Secondaries sJA, sHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	Vein				Host		60	<10	264600	110700
Sampled By TB 06-Jul-02	Taken 10m above 275918 sample in same vein Location SILVER HILL									
Sample Number	Grid North	N	Grid East	E	Type Chip	Alteration sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275920 Carpenter	UTM 7152045	N	UTM 486577	E	Strike Length Exp 20 m	Metallics 90%GL, 5%SP	6	274 6	100	<100
	Elevation 5000	ft	Sample Width 1 2	m	True Width m	Secondaries sJA, sHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host Dolomite		70	<10	556700	104500
Sampled By TB 07-Jul-02	Taken in top exposure of vein Samples 275918 and 275 919 are from same vein taken lower down Massive lead with some zinc									
Sample Number	Grid North	N	Grid East	E	Type Grab	Alteration sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275921 Carpenter	UTM 7152056	N	UTM 486595	E	Strike Length Exp	Metallics 2-3%GL, 2-3%SP	< 2	9 5	<100	<100
	Elevation 4980	ft	Sample Width 50	cm	True Width cm	Secondaries mJA, sHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	Vein				Host Dolomite		10	<10	7300	19100
Sampled By TB 07-Jul-02	A grab across vein location in talus and subcrop East along slope 10m from 275920 vein									

Rock Sample Descriptions

Project Name. Carpenter Ridge **Project:** RFM02-10 **NTS:** 106D/6, 11

Sample Number	Grid North	N	Grid East	E	Type	Chip	Alteration	sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275922 Carpenter	UTM 7152063	N	UTM 486614	E	Strike Length Exp	1 m	Metallics	1-5%GL, trPY, 5-50%SP	2	146 3	<100	<100
	Elevation 4980	ft	Sample Width 1	m	True Width	1 m	Secondaries	mGE, mJA, sHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	Dolomite			30	<10	43400	173800
Sampled By TB 07-Jul-02	Taken in next trench east of 275921 trench about 15m											

Sample Number	Grid North	N	Grid East	E	Type	Chip	Alteration	sCB, sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275923 Carpenter	UTM 7152065	N	UTM 486638	E	Strike Length Exp	7 m	Metallics	90%GL, trPY, 1-5%SP	3	304 5	<100	<100
	Elevation 4980	ft	Sample Width 1 2	m	True Width	cm	Secondaries	sGE, sHE, sJA, sMN, sH	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	Dolomite			30	<10	401200	159100
Sampled By TB 07-Jul-02	Taken in furthest exposed vein to the east Very spectacular lead											

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	sCB,	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275924 Carpenter	UTM 7151983 72	N	UTM 486871 74	E	Strike Length Exp		Metallics	trCP, 1%PY, >1%SP	< 2	2 7	<100	<100
	Elevation 4650	ft	Sample Width 0	cm	True Width	cm	Secondaries	sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	Dolomite			10	<10	2650	1800
Sampled By TB 07-Jul-02	Taken in creek below Archer-Cathro's old camp(?) on south side of Silver Hill											

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275925 Carpenter	UTM	N	UTM	E	Strike Length Exp		Metallics	7-10%GL, 50-60%PY	29	35 9	<100	<100
	Elevation 4320	ft	Sample Width 0	cm	True Width	cm	Secondaries	sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	QTZ			200	<10	46200	6500
Sampled By TB 07-Jul-02	Float taken in creek below Archer-Cathro's camp site on the head of a small canyon											

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	sQZ	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275926 Carpenter	UTM 7152062 15	N	UTM 487179 23	E	Strike Length Exp		Metallics	1-2%GL, 30-40%PY	25	18	100	<100
	Elevation 4360	ft	Sample Width 0	cm	True Width	cm	Secondaries	sJA	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host	QTZ			150	<10	15200	7600
Sampled By TB 07-Jul-02	Taken above 275925 in creek float											

Sample Number	Grid North	N	Grid East	E	Type	Float	Alteration	sCA, sDO	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275966 Carpenter	UTM 7148014 03	N	UTM 484377 84	E	Strike Length Exp		Metallics	4%GL, sSP	7	0 4	<100	<100
	Elevation 5260	ft	Sample Width 0	cm	True Width	cm	Secondaries	sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
	Bedding 000°/44° W				Host	grey orange weathering dolomite			40	<10	5000	14500
Sampled By MEB 04-Jul-02	30x30cm boulder Medium-grained crystalline dolomite with medium-grained crystalline galena as irregular 1-5mm blebs Sphalerite fine- to medium-grained crystalline irregular to ovoid blebs 2-5mm Isolated boulder											

Rock Sample Descriptions

Project Name: Carpenter Ridge **Project:** RFM02-10 **NTS:** 106D/6, 11

Sample Number	Grid North	N	Grid East	E	Type	Alteration	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275967 Carpenter	UTM 7148013 78	N	UTM 484378 1	E	Float+Select	mCA, sDO	7	140 9	<100	<100
	Elevation 5220	ft	Sample Width 0	cm	Strike Length Exp	Metallics 20%GL				
					True Width cm	Secondaries sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host crystalline dolomite		160	<10	260600	7100

Sampled By MEB 04-Jul-02: 30x20cm boulder near source Half of boulder heavily mineralized - take strongest mineralization Coarse galena in irregular masses replacing dolomite

Sample Number	Grid North	N	Grid East	E	Type	Alteration	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275968 Carpenter	UTM 7148299 66	N	UTM 484996 33	E	Float + Grab	sDO, sQZ	12	131 8	<100	<100
	Elevation 5150	ft	Sample Width 0	cm	Strike Length Exp	Metallics trCP, 10%GL, 3% SP				
					True Width cm	Secondaries wMC	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host recrystallized dolomite		220	<10	223200	8000

Sampled By MEB 05-Jul-02: Old hand pit debris over 10m diameter Take samples of better mineralized cobbles 30% of trench mineralized to this degree Recrystalized brown dolomite with quartz and calcite clots and stringers, silicified phyllite fingers subcrop? Pit #1, breccia also Note pisolites in adjacent dolostone

Sample Number	Grid North	N	Grid East	E	Type	Alteration	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275969 Carpenter	UTM 7148260 97	N	UTM 484979 54	E	Float + Grab	sDO, mQZ	8	52 8	<100	<100
	Elevation 5150	ft	Sample Width 0	cm	Strike Length Exp	Metallics 10%GL, trPY, 1-2%SP				
	Bedding 035°/25° W				True Width cm	Secondaries sMN, wSM	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host recrystallized dolomite		40	<10	104900	1300

Sampled By MEB 05-Jul-02: 2 and 4 m long pits Good mineralization 50% of material well mineralized grab of typical mineralization Coarse galena in recrystalized dolomite/sider Minor silica blebs ragged stringers Pits # 4&5

Sample Number	Grid North	N	Grid East	E	Type	Alteration	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275970 Carpenter	UTM 7148331 23	N	UTM 485013 97	E	Float + Grab	sDO, sQZ	7	20 4	<100	<100
	Elevation 5100	ft	Sample Width 0	cm	Strike Length Exp	Metallics trCP, 4%GL, 2%SP				
					True Width cm	Secondaries wMO	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host recrystalized dolomite		860	<10	17400	15100

Sampled By MEB 05-Jul-02: Old hand pit debris over 5m area Sample of better mineralized cobbles <10% of trench material likewise mineralized Recrystalized brown dolomite +/- sid With quartz calcite clots and veins Subcrop pit #2

Sample Number	Grid North	N	Grid East	E	Type	Alteration	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275971 Carpenter	UTM 7151993	N	UTM 486357	E	Select/Grab	wCA, sQZ	18	170 4	100	<100
	Elevation 5100	ft	Sample Width 0	cm	Strike Length Exp	Metallics 30%GL				
					True Width cm	Secondaries sGE	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host Grey silty argillite		60	10	411400	7900

Sampled By MEB 06-Jul-02: Vuggy quartz vein with massive pods of crystalline galena Sample grab from trench face likely select of better material Note bright red oxide looks like realgar

Sample Number	Grid North	N	Grid East	E	Type	Alteration	Au (ppb)	Ag (ppm)	As (ppm)	Bi (ppm)
275972 Carpenter	UTM 7152235	N	UTM 487038	E	Grab	sDO, wQZ	< 2	101 2	100	<100
	Elevation 4580	ft	Sample Width 3	m	Strike Length Exp 40 m	Metallics 15%GL, 5%SP				
	Fault 070°/38° N				True Width 4 m	Secondaries wGE, sHZ	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
					Host silty dolomite		230	<10	216800	50000

Sampled By MEB 08-Jul-02: 3-4m thick sulphide matrix breccia Crackle- to matrix-supported breccia dolomite fragments in a galena sparry dolomite matrix with mineralized quartz and sphalerite Appears to be controlled by fault zone Zone should dip beneath talus Sample panel grab across outcrop

APPENDIX C

CERTIFICATES OF ANALYSIS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Equity Engineering Ltd. PROJECT RFM02-10 File # A202269

700 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Mark Baknes

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
G-1	13	23	24	41	< 1	38	37	489	1 79	7	18	123	9	65	< 1	< 1	1	40	54	071	7	13 3	50	171	114	1	85	071	41	1 4<	01	2 8	3<	05	4
CARP 48300N 85000E	11	150	7 1361	4 693	1 7	133	8 56	7 34615	21 27	124	7	1 2	3	9	2	9	33	2	4	4	9	9	52	1 12	081	38	14 2	45	389	006	2	56	004	02	< 1	26	12 6	1	11	2
CARP 48300N 85025E	10	237	4 598	9 212	7	36	9 23	8 6309	8 51	21	2	7	2	6	2	3	12		8	3	8	4	34	56	074	23	16 6	48	183	019	2	81	005	03	< 1	08	3 8	1	10	3
CARP 48300N 85050E	11	68	2 198	4 144	3	27	7 20	4 4042	5 84	16	0	9	2	8	2	2	9		5	2	9	4	30	59	073	20	12 7	39	216	019	2	64	005	04	< 1	10	3 4	1	09	2
CARP 48300N 85075E	10	29	9 81	5 130	1	26	8 15	5 1425	4 95	13	8	8	3	0	1	4	14		3	1	7	4	38	78	088	18	20 8	40	110	018	1	1 17	006	04	1	04	2 8	1	12	4
CARP 48300N 85100E	10	23	2 41	7 85	1	26	1 13	8 1102	4 28	14	7	1 0	1	1	1	9	13		3	1	6	4	45	57	071	18	24 8	48	139	020	1	1 32	006	05	2	05	3 2	1<	05	5
CARP 48300N 85125E	10	19	1 48	4 94	1	26	8 12	8 1089	4 28	13	1	9	3	0	1	3	13		2	1	5	3	41	62	076	18	24 5	46	128	017	2	1 26	006	04	1	02	2 8	1	06	4
CARP 48150N 84850E	5	494	7 162	7 138	3	41	1 29	7 3047	6 70	6	2	6	13	3	2	3	18		3		8	2	128	1 05	072	17	29 8	2 17	102	037	2	2 46	005	05	1	02	7 7	2<	05	9
CARP 48150N 84875E	7	137	3 183	4 133	2	48	4 27	1 1797	5 45	10	4	8	9	1	2	5	12		3	1	2	2	111	47	060	17	34 3	1 65	114	030	1	2 19	006	04	2	03	7 6	1<	05	8
CARP 48150N 84900E	8	109	0 103	2 144	2	38	2 23	4 2501	5 43	12	5	8	10	3	3	0	11		4	2	0	3	69	36	054	18	23 3	92	159	027	2	1 41	005	04	1	08	5 3	1<	05	5
RE CARP 48150N 84900E	7	112	9 104	9 148	2	38	7 23	2 2540	5 52	12	8	9	16	4	2	9	12		5	2	0	3	70	36	054	19	24 3	95	164	028	1	1 44	005	04	1	07	5 0	1<	05	5
CARP 48150N 84925E	5	143	3 208	5 164	2	38	9 27	5 2967	5 92	20	7	6	4	2	3	6	7		6	2	4	4	62	48	070	14	17 9	82	111	015	2	1 03	003	07	1	03	5 8	1<	05	4
CARP 48150N 84950E	10	117	3 263	2 409	4	39	4 28	7 3834	5 44	34	6	9	8	7	2	2	9	1	3	5	7	6	26	99	082	17	8 8	41	184	006	2	46	003	04	1	09	3 4	1<	05	2
CARP 48150N 84975E	12	36	6 280	7 296	7	29	5 19	0 4231	4 94	17	7	1 0	3	9	1	9	9		8	3	6	3	25	37	076	18	12 4	25	100	010	1	70	003	04	1	10	3 1	1<	05	2
CARP 48150N 85000E	11	55	3 3781	7 426	2 1	42	0 23	8 11577	9 12	22	8	9	<	5	1	7	12	1	4	6	0	3	18	74	097	17	7 0	26	203	006	2	52	003	05	1	13	4 0	1	08	2
CARP 48150N 85025E	12	74	4 809	2 423	8	37	4 23	5 5018	5 48	24	4	7	3	0	2	5	10	1	5	4	2	4	14	1 06	068	16	5 2	46	136	004	3	29	003	05	< 1	06	3 6	1<	05	1
CARP 48150N 85050E	13	38	2 91	9 114	2	25	2 20	3 1830	3 74	14	8	6	1	2	2	4	9		3	3	3	4	11	91	064	18	6 1	46	53	006	3	34	003	04	< 1	03	2 4	1<	05	1
CARP 48150N 85075E	6	50	6 79	4 130	2	29	2 22	5 1778	3 82	17	0	6	1	0	1	7	12		4	3	0	4	12	1 42	083	16	7 3	68	63	005	2	39	004	04	< 1	06	2 6	1<	05	1
STANDARD DS3	94	118	4 33	7 151	3	37	7 12	1 790	3 26	28	9	6 7	23	2	4	0	30	6	0	5	3	6	0	80	55	081	18	180 3	57	138	086	2	1 71	034	15	3 8	23	3 9	1	2<	05	7

GROUP 1DA - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS
UPPER LIMITS - AG, AU, HG, W = 100 PPM, MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM, CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM
- SAMPLE TYPE. SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: JUL 15 2002 **DATE REPORT MAILED:** July 22/02 **SIGNED BY** ..... D TOYE, C.LEONG, J WANG, CERTIFIED B.C ASSAYERS

Data d FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Equity Engineering Ltd. PROJECT RFM02-10 File # A202270

700 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Mark Baknes

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm
G-1	1.4	2.5	2	7	43	<.1	4.0	4.1	502	1.79	8	2.0	1.0	3.9	73	<.1	<.1	.1	40	.55	.080	7	14.3	50	205	115	1	86	.085	.44	1.6<	01	3.2	.3	<.05	4
02MB-30	2.6	16.8	1444	5	1508	1.2	18.0	9	6	1510	2	04	14	4	.6	1.6	.9	42	5	2	2.9	2	17	11.80	034	5	5.0	6	78	77	004	2	.14	.010	.02	<.1	.45	2.0	.2	.12	<1
STANDARD	9.4	118.4	33	7	151	3	37.7	12	1	790	3	26	28	9	6.7	23.2	4.0	30	6	0	5.3	6.0	80	.55	081	18	180	3	57	138	086	2	1.71	034	.15	3	8	.23	3.9	1.2	<.05	7

Standard is STANDARD DS3

GROUP 1DA - 30.0 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP-MS.
UPPER LIMITS - AG, AU, HG, W = 100 PPM, MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM, CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
- SAMPLE TYPE SILT SS80 60C

DATE RECEIVED: JUL 15 2002 **DATE REPORT MAILED:** July 22/02 **SIGNED BY** C. Leong .D. TOYE, C.LEONG, J. WANG, CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Equity Engineering Ltd. PROJECT RFM02-10 File # A202271

700 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Mark Baknes

SAMPLE#	MO %	CU %	PB %	ZN %	AG gm/mt	NI %	CO %	MN %	FE %	AS %	SR %	CD %	SB %	BI %	CA %	P %	CR %	MG %	AL %	NA %	K %	W %	Hg %
SI	< 001	.002	01	<.01	<.3	.001<	001	<.01	.04	< 01	<.001<	001<	001	< 01	.17	<.001	001	< 01	02	69	01	<.001	<.001
275910	<.001	.007	10 30	.10	98.2	.002	.001	87	4 09	< 01	.003	001	.012	< 01	12 08	.004	001	5.04	.10	02	09	< 001	<.001
275911	<.001	009	4 34	.01	40.9	.002	<.001	86	4 50	01	005	< 001	006	< 01	16.80	.004	.001	7.26	05	.03	.02	< 001	<.001
275912	< 001	005	.18	12	2.0	.006	.001	09	3 47	< 01	.008	001	001	< 01	2 71	.035	004	3.10	1 66	05	.15	.001	<.001
275913	< 001	.002	23	2 47	1 3	003	<.001	06	3 10	.01	.002	014	.006	< 01	4.43	.011	005	2.48	1.10	01	85	.002	< 001
275914	<.001	.002	42	05	16 4	002	<.001	< 01	4 28	<.01	< 001	< 001	.004	< 01	.11	.010	.002	.08	.15	< 01	.14	.001	<.001
275915	<.001	.001	24	.02	7 3	002	<.001	<.01	1 46	<.01	<.001	<.001	002	< 01	.05	.004	.005	.05	.18	< 01	15	< 001	<.001
275916	< 001	004	46.97	20.18	329.5	.004	002	.03	1.97	.01	.001	.091	.033	<.01	1.20	003	<.001	.68	.02	.01	02	<.001	.006
275917	< 001	011	64 04	11.08	468.9	.002	< 001	.02	1.39	01	.002	.057	.049	<.01	.92	001	<.001	53	.02	<.01	<.01	<.001	.004
275918	< 001	.012	44.44	18 76	275.6	.004	.001	.04	2.47	<.01	.001	.080	.025	<.01	2.29	003	<.001	1 27	.03	.01	<.01	<.001	.005
275919	< 001	.006	26 46	11.07	170 4	006	.001	12	2 21	< 01	.004	046	016	< 01	6 48	.007	001	3 53	.04	.01	< 01	< 001	.003
275920	<.001	.007	55 67	10.45	274.6	003	<.001	.06	1 30	.01	.001	041	025	< 01	2 91	.001	< 001	1 58	.05	.01	01	< 001	.002
275921	< 001	.001	73	1.91	9 5	002	.001	22	2 26	< 01	.003	008	001	< 01	15 82	.011	< 001	8 50	.10	03	.06	001	<.001
275922	<.001	.003	4 34	17.38	146.3	008	.003	17	3 09	< 01	.002	099	008	< 01	12 01	.009	001	6 66	.04	< 01	.03	< 001	.005
275923	< 001	003	40 12	15 91	304.5	.017	005	05	8 82	<.01	001	082	.027	< 01	1.10	.002	< 001	.61	03	.01	02	<.001	007
275924	< 001	001	.26	18	2.8	.006	003	.21	7.95	<.01	006	.001	<.001	< 01	11.38	.048	009	11.14	4 43	.02	05	.001	<.001
RE 275924	< 001	<.001	27	18	2 5	.006	.002	.21	7 98	< 01	.006	.001	<.001	< 01	11.45	053	.009	11 19	4 45	03	06	< 001	< 001
275925	< 001	.020	4 62	65	35 9	014	004	.01	13 39	< 01	.001	.003	.004	< 01	.10	017	.002	05	.05	< 01	.03	002	<.001
275926	< 001	.015	1 52	.76	18 0	013	005	<.01	13 00	01	<.001	.003	004	<.01	.04	007	.007	05	.13	< 01	.09	001	.001
275966	<.001	004	.50	1.45	4	002	.002	1.10	5 48	< 01	.005	004	001	<.01	19 11	001	< 001	8 62	.04	.02	<.01	< 001	<.001
275967	< 001	016	26 06	71	140.9	002	002	65	4 04	< 01	.004	003	017	< 01	12 41	003	001	5 42	.08	.02	.03	< 001	<.001
275968	<.001	022	22 32	80	131.8	002	001	80	4 76	<.01	004	002	022	< 01	13 21	005	< 001	5 20	07	.02	.04	< 001	<.001
275969	< 001	004	10 49	13	52 8	.001	< 001	1.11	5.57	<.01	004	001	008	< 01	15 15	.005	< 001	5.90	20	.01	< 01	< 001	<.001
275970	< 001	.086	1 74	1 51	20 4	.010	004	.85	5.02	<.01	004	.004	.003	< 01	13 18	.016	.001	5.18	53	03	28	001	<.001
275971	001	006	41 14	79	170 4	.002	< 001	.01	4.05	.01	.001	003	013	< 01	28	.008	002	.14	09	01	.08	001	.002
275972	<.001	.023	21 68	5 00	101 2	008	.003	.14	5.54	.01	002	.020	.009	< 01	9.72	.005	<.001	5.32	06	.01	.04	< 001	.001
STANDARD R-1	090	837	1 33	2 26	100 5	.028	026	.09	6.68	94	028	046	163	03	1 46	.118	026	1 01	92	.15	.42	008	<.001

GROUP 7AR - 1 000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES
- SAMPLE TYPE. ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 15 2002 **DATE REPORT MAILED:** July 24/02 **SIGNED BY.** C. Toye .D. TOYE, C LEONG, J WANG, CERTIFIED B C. ASSAYERS

 Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEM PRECIC METALS ANALYSIS

Equity Engineering Ltd. PROJECT RFM02-10 File # A202271R

700 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by. Mark Baknes

SAMPLE#	Au** ppb
275910	21
275911	16
275912	4
275913	4
275914	4
275915	2
275916	2
275917	5
275918	3
275919	<2
275920	6
275921	<2
275922	2
275923	3
275924	<2
275925	29
275926	24
RE 275926	25
275966	7
275967	7
275968	12
275969	8
275970	7
275971	18
275972	<2
STANDARD DS4/AU-R	496

GROUP 3B - FIRE GEOCHEM AU - 30 GM SAMPLE FUSION, DORE DISSOLVED IN AQUA - REGIA, ICP ANALYSIS UPPER LIMITS = 10 PPM
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns

DATE RECEIVED: OCT 24 2002 **DATE REPORT MAILED:** Oct 30/02 **SIGNED BY.** ..... D TOYE, C.LEONG, J WANG, CERTIFIED B.C ASSAYERS

Data___ FA

APPENDIX D

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

I, Mark E Baknes, of 7579 Westholme Road, Westholme, in the Province of British Columbia, DO HEREBY CERTIFY

1 THAT I am a Consulting Geologist with offices at Suite 700, 700 West Pender Street, Vancouver, British Columbia

2 THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology and a graduate of McMaster University with a Master of Science degree in Geology

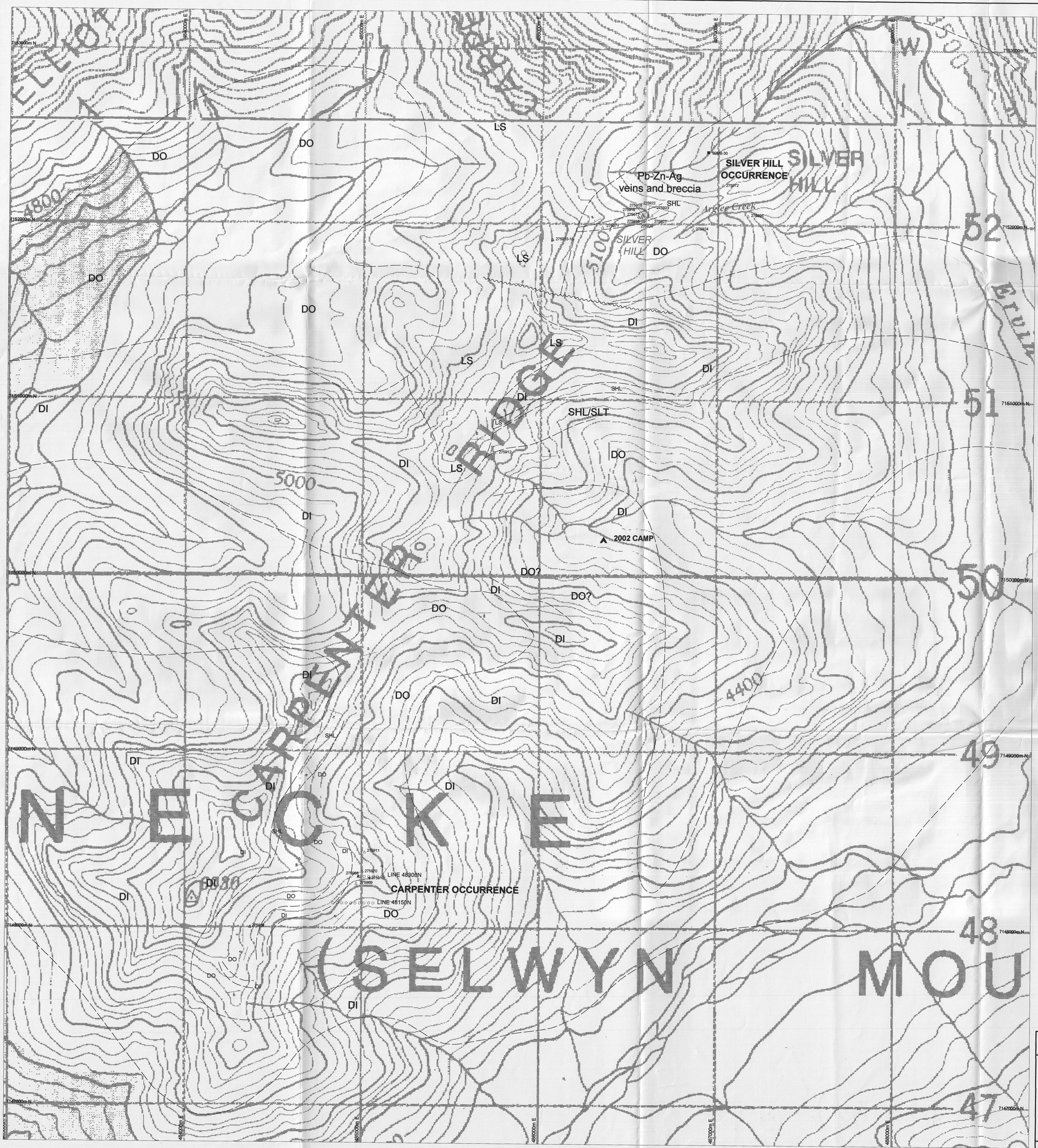
3 THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia

4 THAT this report is based on fieldwork carried out by me or under my direction during July 2002 and on publicly available reports I have examined the property in the field

DATED at Vancouver, British Columbia, this 8th day of January, 2003

PROFESSIONAL ENGINEERS AND GEOSCIENTISTS PROVINCE OF BRITISH COLUMBIA M. E. BAKNES GEOSCIENTIST

Mark E Baknes, M Sc , P Geo



LEGEND

UPPER CAMBRIAN TO LOWER DEVONIAN

LS limestone, light grey, well developed stromatolites, equivalent to regional unit CDB (Bouvette Limestone)

MIDDLE PROTEROZOIC

DI fine-medium grained diorite intrusives (sills), equivalent to regional unit mPH (Hart River)

LOWER PROTEROZOIC

DO orange to pinkish tan, dolostone and silty dolostone, equivalent to regional unit IPG (Gillespie Lake Dolomite)

SHL green to grey and locally maroon thinly laminated shale and silty shale, locally interbedded within dolomite (DO)

SLT green to grey fine-grained siltstone, transitional to shale and forms component of dolostone (DO)

SYMBOLS

- bedding
- foliation
- contact: inferred, approximate
- outcrop; float
- fault, defined, inferred
- rock sample
- silt sample
- soil sample

0 250 500 metres

RIMFIRE MINERALS CORPORATION

CARPENTER PROJECT

Project Area Geology and Sample Locations

EQUITY	Date: January 6, 2003	Scale: 1:10,000	Figure 4
	U.T.M. Zone: UTM8 - NAD27	Mining District: MAYO	
	N.T.S.: 106D\6,11	State/Province: YUKON	