ARIS SUMMARY SHEET

District Geologist, Smithers — Off Confidential: 92.03.20

ASSESSMENT REPORT 21460 — MINING DIVISION: Liard

PROPERTY: Zinc
LOCATION: LAT 57 15 00 LONG 131 00 48
NTS 104G06E 104G03E
CLAIM(S): Zinc 2
OPERATOR(S): Trader Res.
AUTHOR(S): Vulimiri, M.R.
REPORT YEAR: 1991, 22 Pages
COMMODITIES
SEARCHED FOR: Copper,Lead,Zinc,Silver,Gold
KEYWORDS: Triassic,Andesitic volcanics,Quartz-carbonate veins,Chalcopyrite
Galena,Sphalerite,Arsenopyrite
WORK
DONE: Prospecting
PROS 250.0 ha

GEOLOGICAL AND PROSPECTING REPORT

ON THE

ZINC GROUP OF CLAIMS
(Zinc 1, 2, 3 and 4)

GALORE CREEK AREA

Liard Mining Division

British Columbia

N.T.S. 104G 2W,3E,7W,8E

(57 15' N. Lat., 131 34' W. Long.)

by

Mohan R. Vulimiri, M.S., FGAC

for

TRADER RESOURCE CORP.
820-810 West Broadway Ave.
Vancouver, B.C. V5Z 4C9

(Owners and Operators)

May 1991

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Introduction

The Zinc 1 to 4 mineral claims were staked by John Mirko on March 20, 1990.

Field Work was carried out on the property by Mohan Vulimiri, geologist and John F. Mirko, prospector, during the period August to October, 1990.

The purpose of the field work was to evaluate the mineral occurrences on the property with respect to their structural control, modes of occurrence of mineralization and alteration and the type of mineralization. Minor geological mapping and prospecting were carried out on the claims.

Location and Access

The Zinc claims are located on the headwaters of Schaft Creek, immediately west of Mt. Hickman, approximately 30 kilometres northeast of the Galore Creek deposit, 80 kilometres south of Telegraph Creek and 200 kilometres northwest of Smithers, in Northwestern British Columbia. The claims are centred on lat. 57 15' ; long. 131 00' (Figures 1, 2 & 4).

Access is to the property is by helicopter from the Scud Airstrip, 45 kilometres to the west, and from the Bob Quin Airstrip, 30 kilometres to the east. Both airstrips can be accessed by fixed wing aircraft from Smithers. Bob Quin airstrip is located on Stewart-Cassiar Highway 37 and can be accessed by road all year.

Topography and Climate

Topography is extremely rugged typical of the terrain in the Galore Creek area (Figure 4). The elevations range from 1100 metres in the Schaft Creek valley to over 2000 metres on Mt. Hickman. Extensive permanent snowfields and ice-fields cover much of the higher ground. Some of the creek valleys have precipitous sides making foot passage very difficult.

The weather is typical of the northern Coast Mountains with very heavy winter snowfall, with frequent avalanches and snowslides. The summer months are generally cool but very wet. Surface exploration can be carried out on the lower reaches of the property from the beginning of June to the middle of October, whereas on the higher reaches from about the beginning of August to end of September.

Property and Claim Status

The Zinc Group of Claims were staked in March 1990. The claims are owned and operated by Trader Resource Corp. of Vancouver, B.C (Figure 2). Upon acceptance of this report, all claims will be in good standing until March 24, 1992.

The claims information is as follows:

Mineral Claim	Record No	Units	Record Date	Expiry Date
Zinc 1	7199	20	March 24, 90	March 24, 92
Zinc 2	7200	20	March 24, 90	March 24, 92
Zinc 3	7201	20	March 24, 90	March 24, 92
Zinc 4	7202	20	March 24, 90	March 24, 92

History and Previous Work

The first recorded mineral exploration in the Telegraph Creek-Stikine River area was carried out in 1861 with the discovery of placer gold just downstream from the village of Telegraph Creek.

During 1920's, 1930's and 1940's the area was intermittently explored for lode gold and base metal deposits. A few copper showings were discovered along the Stikine River.

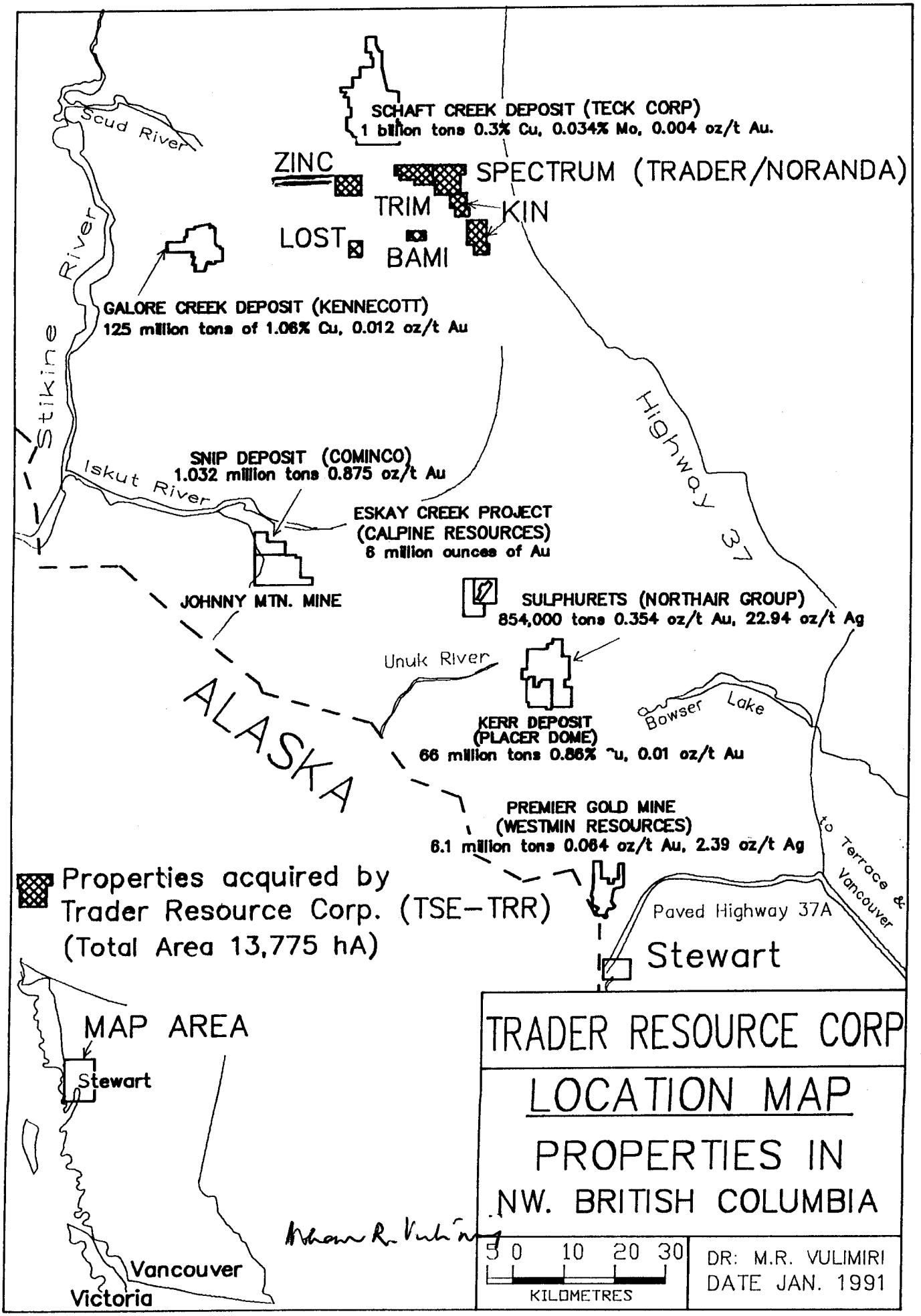
Exploration for porphyry copper and copper/molybdenum deposits has been carried intermittently over the last 30 years in the Mess Creek - Galore Creek area. Kennco Explorations discovered the Galore Creek syenite associated porphyry copper-gold deposit in the early 1960's and Hecla Explorations discovered the Schaft Creek porphyry Copper deposit in the mid 1960's.

Continental Gold Corp. staked the area as the Galena claims in 1988 and subsequently carried out prospecting and minor mapping with the discovery of several base metal showings.

Regional Geology

The Telegraph Creek Map Sheet (NTS 104 G) was mapped by J.G. Souther of the Geological Survey of Canada during the period 1956 to 1969 (GSC Paper 71-44 and Figure 3).

According to Souther, the More Creek area is underlain by various sedimentary and mainly andesitic volcanic rocks of Triassic and Jurassic age (map units 5, 7, 8, 9 and 13). These rocks are intruded by granitic and syenitic plutons and rhyolite dykes of Triassic and/or Cretaceous age (map units 17 and 20). Immediately to the west of the Zinc Claims is the Hickman


SCHAFT CREEK DEPOSIT (TECK CORP)
1 billion tons 0.3% Cu, 0.034% Mo, 0.004 oz/t Au.
Scud River
ZINC
SPECTRUM (TRADER/NORANDA)
TRIM
KIN
LOST
BAMI
Stikine River
GALORE CREEK DEPOSIT (KENNECOTT)
125 million tons of 1.06% Cu, 0.012 oz/t Au
Highway 37
SNIP DEPOSIT (COMINCO)
1.032 million tons 0.875 oz/t Au
Iskut River
ESKAY CREEK PROJECT
(CALPINE RESOURCES)
6 million ounces of Au
JOHNNY MTN. MINE
SULPHURETS (NORTHAIR GROUP)
854,000 tons 0.354 oz/t Au, 22.94 oz/t Ag
Unuk River
ALASKA
KERR DEPOSIT
(PLACER DOME)
66 million tons 0.86% Cu, 0.01 oz/t Au
Bowser Lake
PREMIER GOLD MINE
(WESTMIN RESOURCES)
6.1 million tons 0.064 oz/t Au, 2.39 oz/t Ag
to Terrace & Vancouver
Properties acquired by
Trader Resource Corp. (TSE-TRR)
(Total Area 13,775 hA)
Paved Highway 37A
Stewart
MAP AREA
Stewart
Vancouver
Victoria
TRADER RESOURCE CORP
LOCATION MAP
PROPERTIES IN
NW. BRITISH COLUMBIA
5 0 10 20 30
KILOMETRES
DR: M.R. VULIMIRI
DATE JAN. 1991

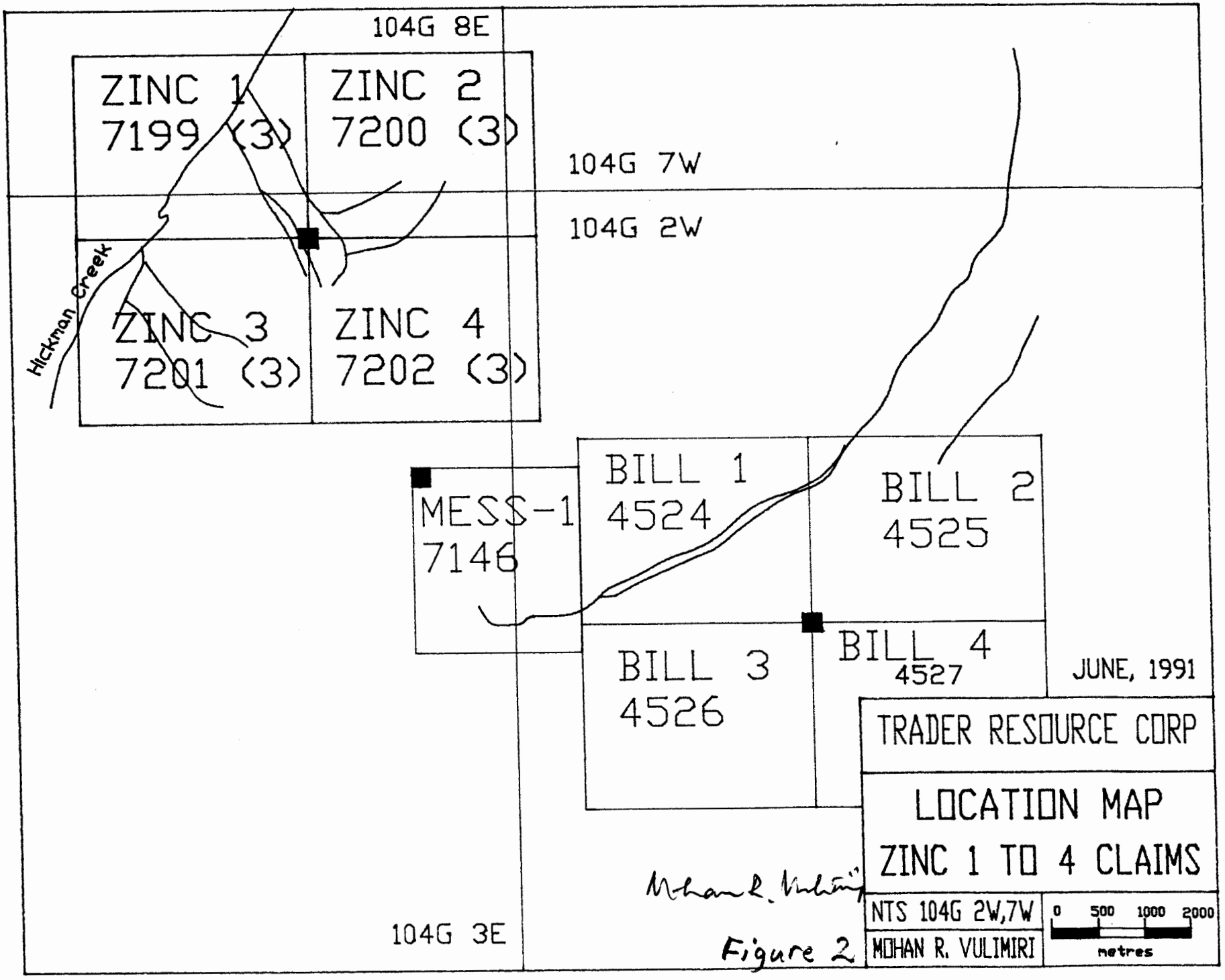

104G 8E
ZINC 1
7199 (3)
ZINC 2
7200 (3)
104G 7W
104G 2W
Hickman Creek
ZINC 3
7201 (3)
ZINC 4
7202 (3)
MESS-1
7146
BILL 1
4524
BILL 2
4525
BILL 3
4526
BILL 4
4527
JUNE, 1991
TRADER RESOURCE CORP
LOCATION MAP
ZINC 1 TO 4 CLAIMS
NTS 104G 2W,7W
MOHAN R. VULIMIRI
0 500 1000 2000
metres
104G 3E

Figure 2

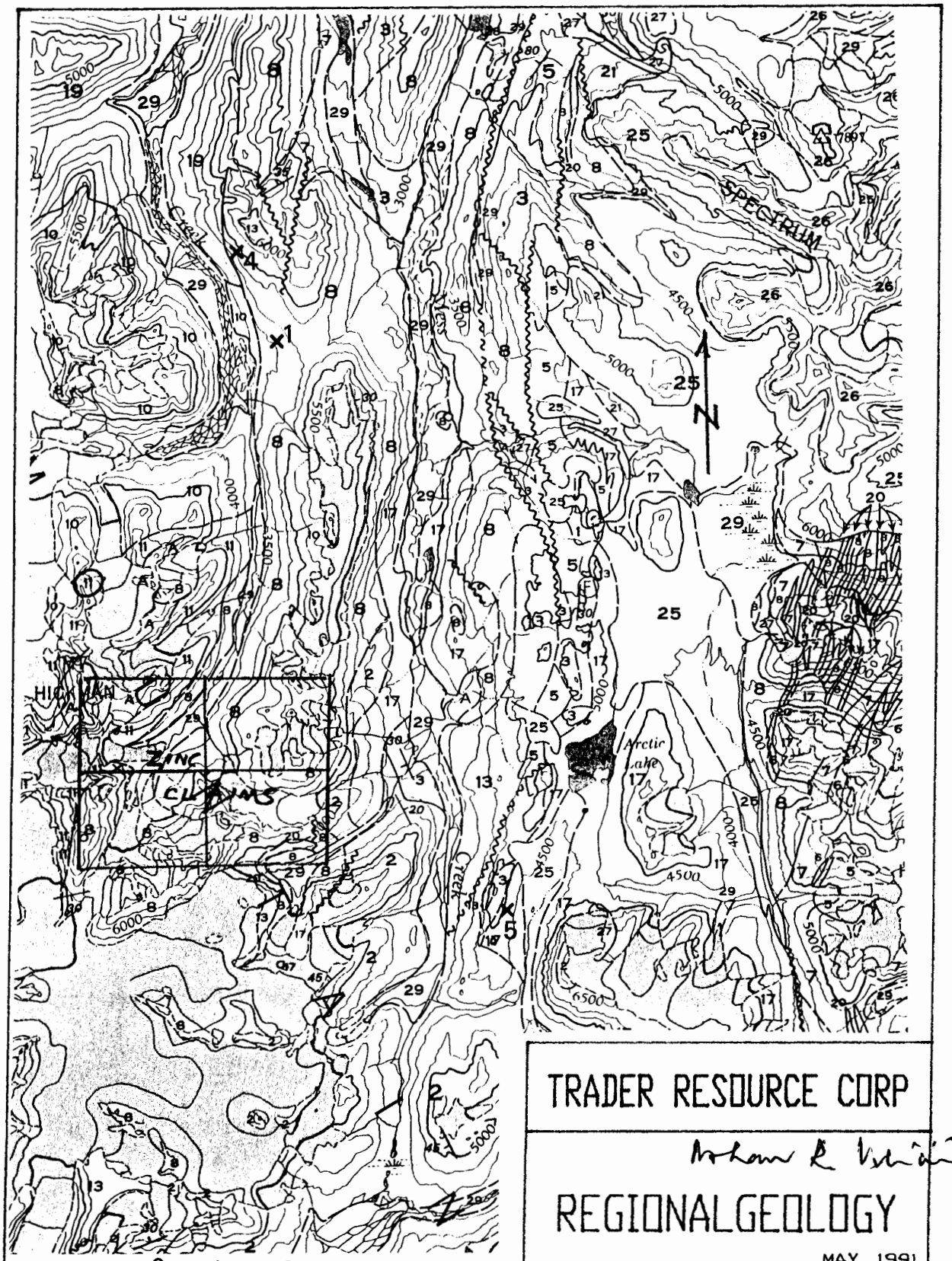


Figure 3

TRADER RESOURCE CORP

REGIONALGEOLOGY

MAY, 1991

INFORMATION AFTER J.A.SOUTHER (1972)

M.R.VULIMIRI

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

29 Fluviatile gravel; sand, silt; glacial outwash, till, alpine moraine and colluvium

28 Hot-spring deposit, tufa, aragonite

27 Olivine basalt, related pyroclastic rocks and loose tephra; younger than some of 29

TERTIARY AND QUATERNARY
UPPER TERTIARY AND PLEISTOCENE

26 Rhyolite and dacite flows, lava domes, pyroclastic rocks and related subvolcanic intrusions; minor basalt

25 Basalt, olivine basalt, dacite, related pyroclastic rocks and subvolcanic intrusions; minor rhyolite; in part younger than some 26

CRETACEOUS AND TERTIARY
UPPER CRETACEOUS AND LOWER TERTIARY
SLOKO GROUP

24 Light green, purple and white rhyolite, trachyte and dacite flows, pyroclastic rocks and derived sediments

22 | 23 22. Biotite leucogranite, subvolcanic stocks, dykes and sills
23. Porphyritic biotite andesite, lava domes, flows and (?) sills

SUSTUT GROUP

21 Chert-pebble conglomerate, granite-boulder conglomerate, quartzose sandstone, arkose, siltstone, carbonaceous shale and minor coal

20 Felsite, quartz-feldspar porphyry, pyritiferous felsite, orbicular rhyolite; in part equivalent to 22

19 Medium-to coarse-grained, pink biotite-hornblende quartz monzonite

JURASSIC AND/OR CRETACEOUS
POST-UPPER TRIASSIC PRE-TERTIARY

18 Hornblende diorite

17 Granodiorite, quartz diorite; minor diorite, leucogranite and migmatite

JURASSIC
MIDDLE (?) AND UPPER JURASSIC
BOWSER GROUP

16 Chert-pebble conglomerate, grit, greywacke, subgreywacke, siltstone and shale; may include some 13

MIDDLE JURASSIC

15 Basalt, pillow lava, tuff-breccia, derived volcaniclastic rocks and related subvolcanic intrusions

LOWER AND MIDDLE JURASSIC

14 Shale, minor siltstone, siliceous and calcareous siltstone, greywacke and ironstone

LOWER JURASSIC

13 Conglomerate, polymictic conglomerate; granite-boulder conglomerate, grit, greywacke, siltstone; basaltic and andesitic volcanic rocks, peperites, pillow-breccia and derived volcaniclastic rocks

TRIASSIC AND JURASSIC
POST-UPPER TRIASSIC PRE-LOWER JURASSIC

12 Syenite, orthoclase porphyry, monzonite, pyroxenite

MESOZOIC

TRIASSIC AND JURASSIC
POST-UPPER TRIASSIC PRE-LOWER JURASSIC

12 Syenite, orthoclase porphyry, monzonite, pyroxenite

HICKMAN BATHOLITH

10 | 11 10. Hornblende granodiorite, minor hornblende-quartz diorite 11. Hornblende, quartz diorite, hornblende-pyroxene diorite, amphibolite and pyroxene-bearing amphibolite

TRIASSIC
UPPER TRIASSIC

9 Undifferentiated volcanic and sedimentary rocks (units 5 to 8 inclusive)

8 Augite-andesite flows, pyroclastic rocks, derived volcaniclastic rocks and related subvolcanic intrusions; minor greywacke, siltstone and polymictic conglomerate

7 Siltstone, thin-bedded siliceous siltstone, ribbon chert, calcareous and dolomictic siltstone, greywacke, volcanic conglomerate, and minor limestone

6 Limestone, fetid argillaceous limestone, calcareous shale and reefoid limestone; may be in part younger than some 7 and 8

5 Greywacke, siltstone, shale; minor conglomerate, tuff and volcanic sandstone

MIDDLE TRIASSIC

4 Shale, concretionary black shale; minor calcareous shale and siltstone

PALEOZOIC

PERMIAN
MIDDLE AND UPPER PERMIAN

3 Limestone, thick-bedded mainly bioclastic limestone; minor siltstone, chert and tuff

PERMIAN AND OLDER

2 Phyllite, argillaceous quartzite, quartz-sericite schist, chlorite schist, greenstone, minor chert, schistose tuff and limestone

MISSISSIPPIAN

1 Limestone, crinoidal limestone, ferruginous limestone; maroon tuff, chert and phyllite

B Amphibolite, amphibolite gneiss; age unknown probably pre-Upper Jurassic

A Ultramafic rocks; peridotite, dunite, serpentinite; age unknown, probably pre-Lower Jurassic

Geological boundary (defined and approximate, assumed)

Bedding (horizontal, inclined, vertical, overturned)

Anticline

Syncline

Fault (defined and approximate, assumed)

Thrust fault, teeth on hanging-wall side (defined and approximate, assumed).

Fossil locality Ⓕ

Mineral property 15x

Glacier

TRADER RESOURCE CORP

LEGEND

REGIONAL GEOLOGY

MAY, 1991

INFORMATION AFTER J.A. SOUTHER (1972) | M.R. VULIMIRI

Figure 3a

Batholith, mainly consisting of intrusive rocks of granodiorite to diorite composition. Basaltic rocks of the Mt. Edziza area of Tertiary and Quaternary age are the youngest rocks and are exposed to the west across Mess Creek.

Recent work by Read et al in the Forrest Kerr and Lower More Creek areas (GSC Open File 2094) suggests the Triassic and Jurassic sedimentary and volcanic rocks are part of the Stuhini Group.

The oldest rocks in the Schaft Creek - Mess Creek area are the limestone, phyllite and slate belonging to Permian and older age. The Permian limestone with interbedded chert, argillite and slate overlies the oldest rocks.

Property Geology

The Zinc Group of claims are predominantly underlain by andesitic volcanic rocks trending mainly N20^{0}E and appear to dip gently to the west (Figure 5). These andesitic rocks consist of pyritiferous augite-andesite flows, pyroclastic tuffs and breccias, related sub-volcanic intrusions, and volcanic derived sediments.

Extensive gossan zones were observed along the western slopes of the ridge trending north-south on the Zinc 2 Claim approximately two (2) kilometres to the northeast of the common Legal Corner Post of the Zinc Claims (Figure 5). These gossan zones appear to be related to intense weathering of pyritized andisitic volcanic rocks.

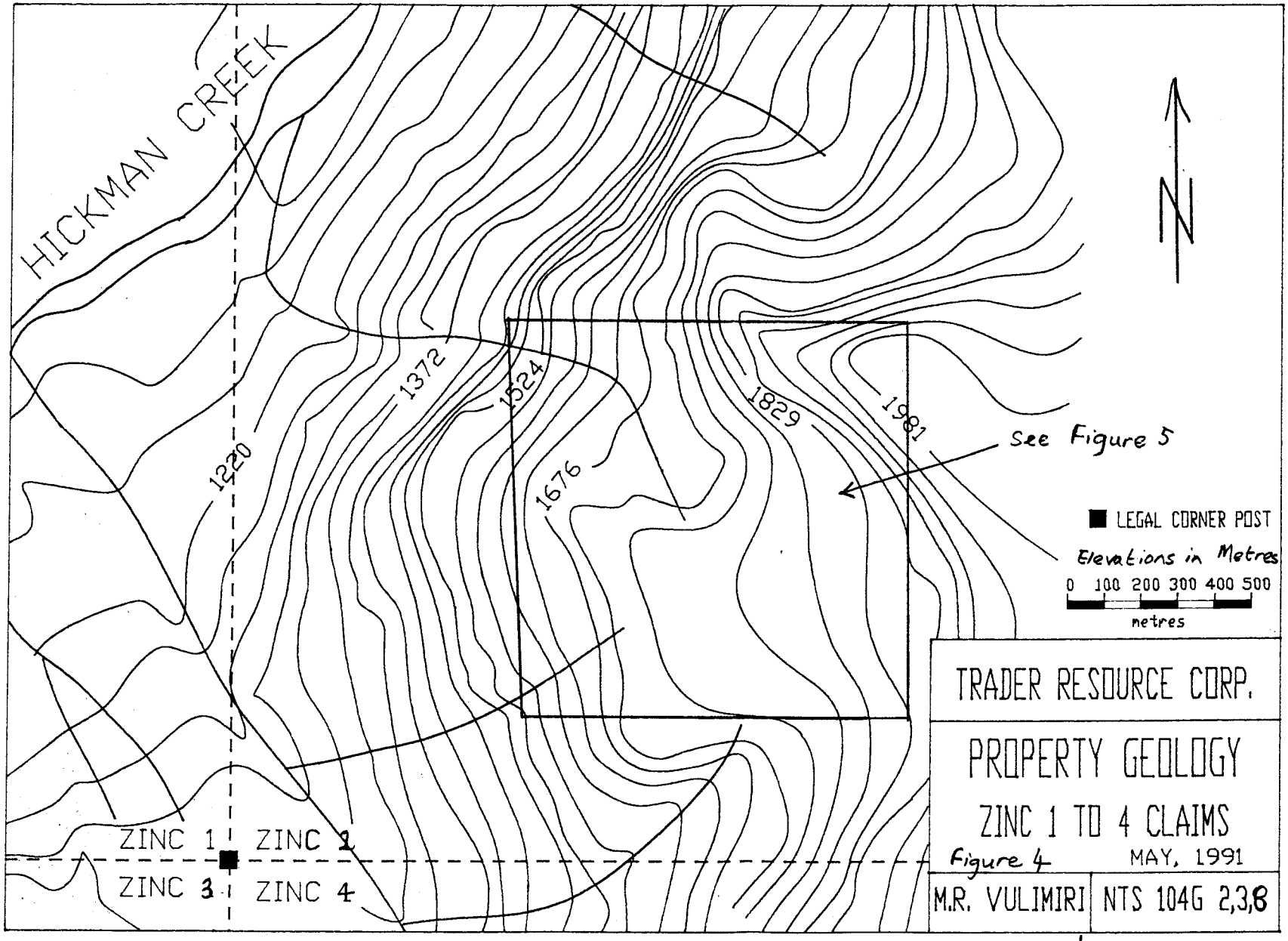
Numerous gossan zones were also observed in creek gullies draining to the east on the Zinc 4 Claim. These areas should be systematically prospected in the coming field season.

Mineralization and Alteration

Extensive malachite staining and gossan zones were observed on steep cliffs on the western slopes of a ridge trending north-south approximately 2 kilometres north-east of the common Legal Corner Post (Figure 4 & 5).

Steep dipping 30 cm to 60 cm wide quartz-carbonate veins are present on these slopes. The veins trend approximately east-west. The mineralization is polymetallic and consists of chalcopyrite, sphalerite, galena and arsenopyrite with significant gold and silver values (Figure 6).

Values of up to 2.1% copper, 2.6% lead, 3.9% zinc, 6.5% arsenic, 215 ppm silver (215 grams/tonne) and 640 ppb (0.6


HICKMAN CREEK
1220
1372
1524
1676
1829
1981
See Figure 5
LEGAL CORNER POST
Elevations in Metres
0 100 200 300 400 500
metres
ZINC 1
ZINC 2
ZINC 3
ZINC 4
TRADER RESOURCE CORP.
PROPERTY GEOLOGY
ZINC 1 TO 4 CLAIMS
Figure 4
MAY, 1991
M.R. VULIMIRI
NTS 104G 2,3,6

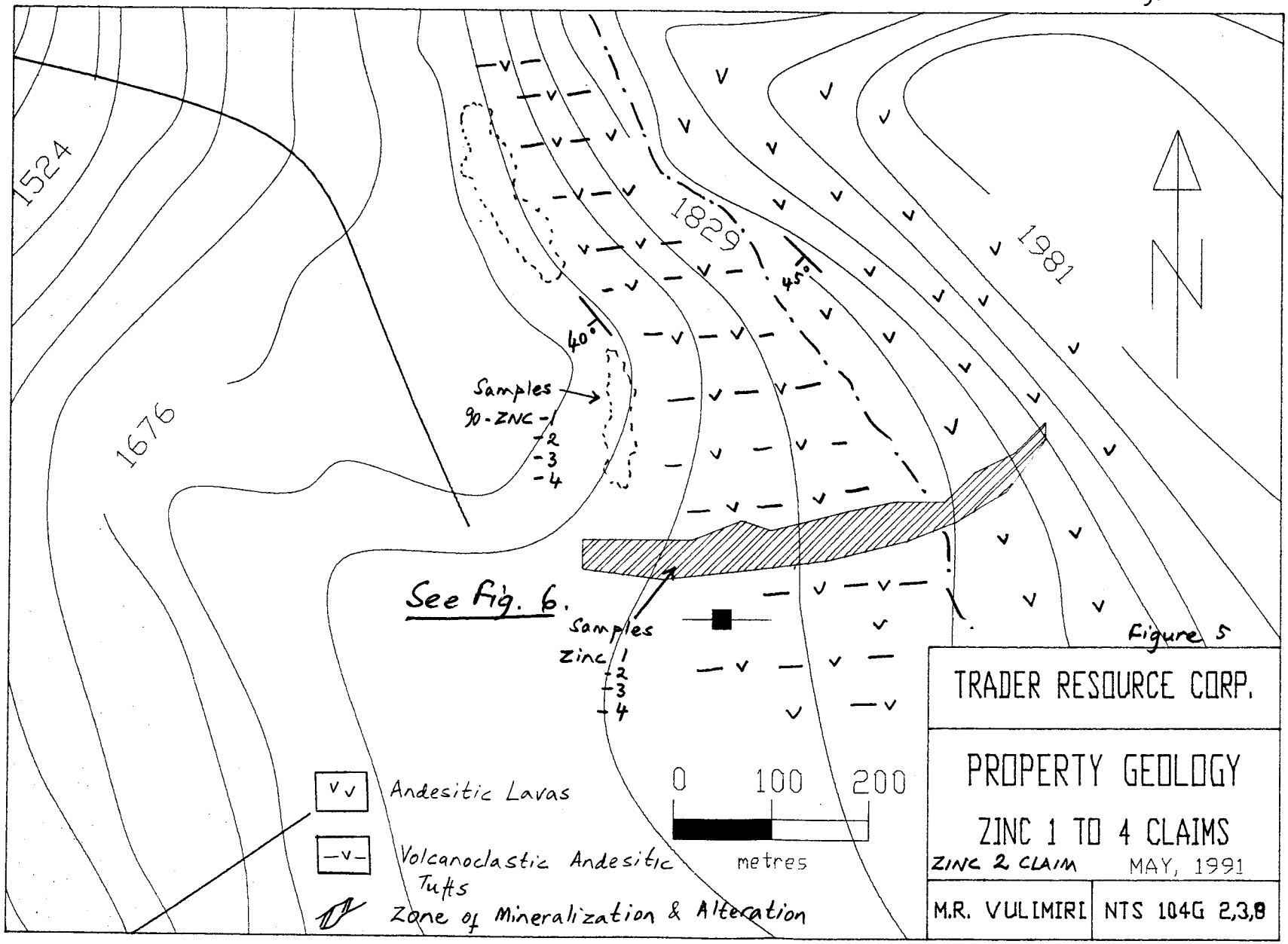
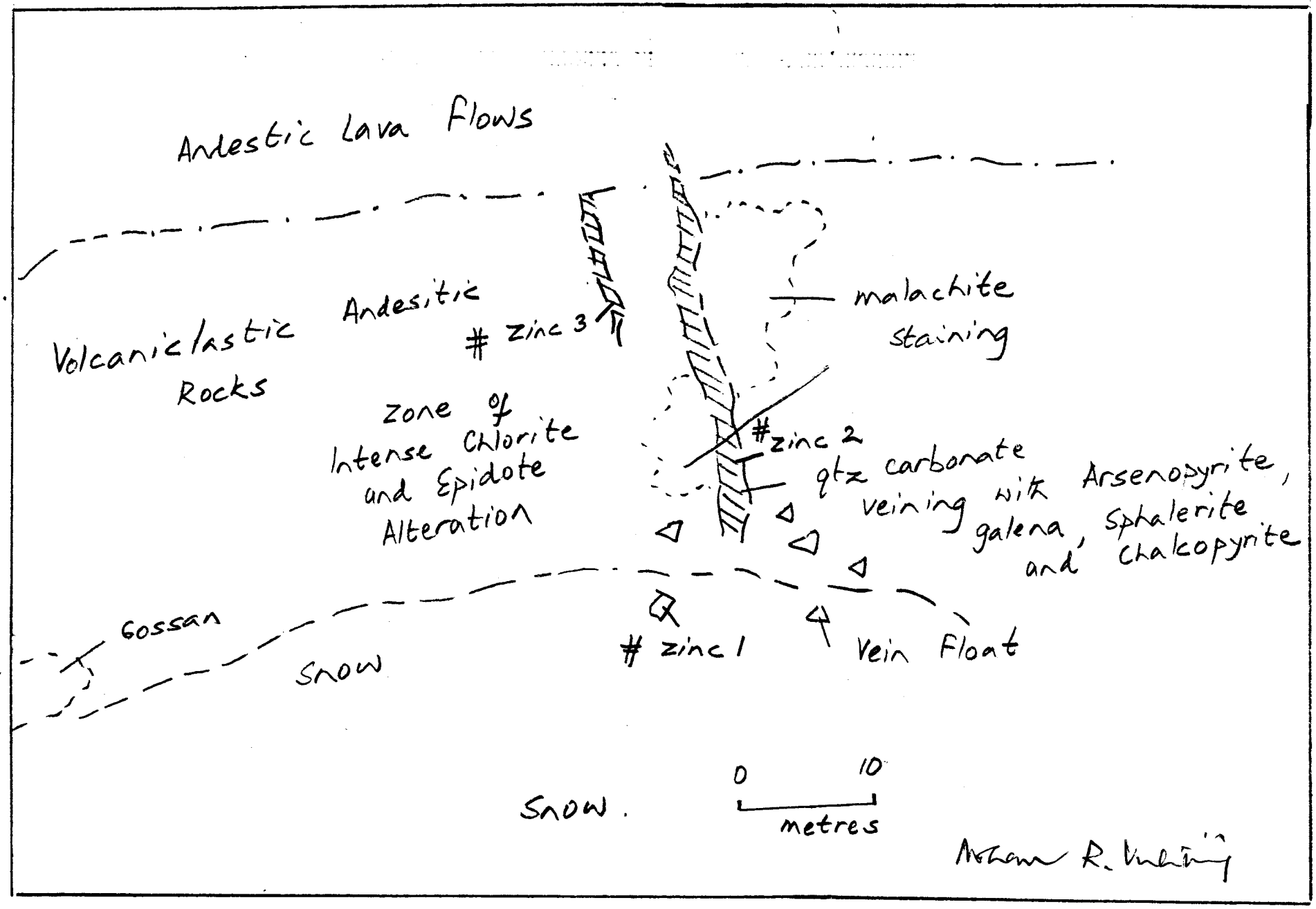


Figure 5

Mohan R. Vulimiri



Page 3c

Fig 6. Cross Sectional view looking East.

grams/tonne) gold were obtained in grab samples of vein material.

Four gossan zone samples did not return any significant values (Figure 4). Detailed assay data is given in the appendix.

The wall rocks exhibit chlorite and epidote alteration with up to 10's of metres wide. These zones also carry numerous narrow calcite stringers (Figure 6).

Several other mineral occurrences were documented by geologists working for Continental Gold Corp. These showings were well documented in a report by Dawson (1989).

Geochemical ICP and Atomic Absorption Analyses

The rock samples collected from the mineral showing and the gossan zones were shipped to Rossbacher Labs of Burnaby, B.C. and Acme Labs of Vancouver, B.C. These samples were analyzed for 30 elements by Induced Coupled Plasma method and atomic absorption. Gold analyses is by acid leach AA finish.

Potential with Recommendations

Geological data, and mapping to date on the property suggests that mineralized zones with significant base metal and precious metal values are present. These are present in quartz-calcite veins in east-west trending shear zones.

Several gossanous pyrite-rich zones have been located on the property, but the showings were not systematically investigated. A few grab samples did not return any significant values.

The shear zone-controlled mineralization on the Zinc Property appears to be geochemically zoned with respect to lead, zinc, copper and arsenic, as well as silver and gold.

In view of this, the following systematic exploration program is recommended to properly evaluate the property.

The program should consist of intensive prospecting, litho-geochemical sampling, contour and grid soil sampling, geological mapping, hand trenching of any mineralized showings, geophysical VLF and magnetometer surveys.

Prospecting and sampling of all gossanous and altered areas should be carried out. Contour soil sampling at 150 metre intervals and grid soil sampling at 50 metre intervals should be performed in overburden covered areas. Geological mapping with prospecting on a scale of 1:5000 should be performed over the entire property. Magnetometer and VLF surveys may define and

delineate the structural controls and extensions of mineralization.

Trenching, sampling and detailed geological mapping should be carried out on the mineralized showings discovered to date.

Norman R. Vickery
May 30, 1991

CERTIFICATE OF EXPENDITURES

The following expenditures were incurred on the Zinc Property.

Zinc 1, 2, 3 and 4 Claims - 80 units

Wages (August 14, 15 and October 8, 1990)

M. R. Vulimiri 1.5 days at $350.00/day 1 day travel	$ 875.00
J. Mirko 2 days at $250.00/day 1 day travel	$ 750.00
Transportation	
Helicopter: 4.6 hrs. at $702./hr incl. fuel)	$ 3229.00
Mob. and Demob.	$ 1500.00
Room and Board	
5.5 man-days at $140/man-day (Galore Camp)	$ 1400.00
Equipment and Supplies	$ 150.00
Geochemical Analyses and Assays	
7 rocks at $14.25/sample (ICP)	$ 99.75
Shipping of samples	$ 10.00
Report 1.5 days	$ 525.00
Drafting, Typing and Computer Time	$ 400.00
Total Expenditures on the Zinc Claims	$ 8308.75

REFERENCES

Read, P.B. et al, 1989: Open File Map on the Forrest Kerr and Lower More Creek Areas, Northwestern British Columbia. Geological Open File Report No. 2094.

Sawyer, J.B.P., 1980: Geological, Geochemical and Geophysical Report on the More Creek Property, an Assessment Report for Edziza Resources.

Souther, J.G., 1972: Telegraph Creek Map Area, British Columbia (Report and Map 11-1971), Geological Survey of Canada Paper 71-44

Dawson, G.J., 1989: Prospecting Report, Galena Claims

CERTIFICATE OF QUALIFICATIONS

I, Mohan R. Vulimiri, hereby certify that:

I am a Consulting Geologist, with business address at 822 East 12th Street, North Vancouver, B.C. V7L 2L1.

I am a graduate of Indian Institute of Technology, Kharagpur, India with a B.Sc. Honours in Geological Sciences.

I received a Master of Science degree in Economic Geology from the University of Washington, Seattle, U.S.A.

I am a Member of Society of Economic Geologists, Member of Society of Mining Engineers and a Fellow of the Geological Association of Canada.

I have practised my profession as a Geologist since 1970, and in responsible positions since 1974, in British Columbia, Yukon, Saskatchewan, Washington, Idaho and South Western U.S.A.

I have personally carried out and supervised the field work on the Zinc Property conducted during August and October, 1990.

Dated at Vancouver, B.C., this 5th day of June 1991.

Mohan R. Vulimiri, M.S. FGAC

APPENDIX 1

Description of Rock Samples

Sample No.	Description of Rock Samples
Zinc 1	quartz-calcite vein with chalcopyrite, arsenopyrite, minor galena, sphalerite, and silver values.
Zinc 2	quartz-calcite vein with aresenopyrite, sphalerite, galena, minor chalcopyrite and minor gold values.
Zinc 3	quartz-carbonate-limonite vein with minor chalcopyrite, galena,and arsenopyrite.
90-ZNC-1	Gossan sample
90-ZNC-2	Gossan sample
90-ZNC-3	Gossan sample
90-ZNC-4	Gossan sample

APPENDIX 2

Geochemical ICP and Atomic Absorption Analyses

ROSSBACHER LABORATORY LTD.

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3H1
Ph:(604)299-6910 Fax:299-6252

CERTIFICATE OF ANALYSIS

TO : ALASKA FERN MINES,
822 EAST 12TH ST.,
NORTH VANCOUVER, B.C.
PROJECT : SPEC
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 90447
INVOICE # : 10558
DATE ENTERED : 90-09-14
FILE NAME : AFM90447
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	PPM B	% AL	% NA	% SI	PPM W	PPM BE	PPB Au AA
A	BUTTE 1	27	75260	1854	906	279.9	65	24	543	8.52	9	5	ND	ND	264	25	16	266	163	1.73	0.20	24	55	1.22	47	0.32	90	1.13	0.01	0.01	29	1	140
A	BUTTE 2	3	10890	38	118	16.6	6	3	293	1.73	20	5	ND	ND	195	3	14	37	251	2.53	0.05	18	48	0.08	28	0.08	15	0.14	0.01	0.01	10	6	30
A	PUP 1	2	22430	53	643	28.0	75	27	494	4.41	28	5	ND	ND	365	27	12	16	135	3.94	0.27	15	20	1.18	122	0.20	36	0.77	0.02	0.01	16	4	30
A	PUP 2	2	6078	59	231	7.5	80	15	615	3.01	29	5	ND	ND	405	9	10	24	135	5.54	0.22	15	21	1.34	426	0.24	15	0.86	0.03	0.01	14	4	5
A	SP 1	2	7844	127	93	4.9	8	3	287	2.00	11	5	ND	ND	100	1	9	45	378	0.91	0.02	10	15	0.17	40	0.12	10	0.23	0.01	0.01	6	7	5
A	SP 6	3	763	21	11	3.8	11	3	145	0.38	18	5	ND	ND	75	1	7	37	16	0.58	0.03	5	52	0.03	33	0.01	5	0.03	0.01	0.01	1	1	5
A	SP 13	49	61010	387	664	99.2	9	9	425	6.56	8	5	ND	ND	665	25	11	35	71	2.84	0.04	19	1	0.26	40	0.13	50	0.63	0.01	0.01	17	1	100
A	SP 16	2	3042	12	71	4.8	108	12	337	2.06	22	5	ND	ND	478	2	5	12	88	2.40	0.23	11	6	0.69	30	0.28	5	1.58	0.01	0.01	5	2	5
A	SP 25	3	18160	13	583	7.6	82	42	353	4.12	8	5	ND	ND	39	5	4	8	178	0.32	0.24	20	26	2.25	67	0.10	5	1.79	0.01	0.01	6	4	5
A	SP 25A	5	2793	37	103	2.9	21	15	1029	4.05	18	5	ND	ND	147	2	8	14	295	3.20	0.10	24	1	0.87	224	0.08	5	1.14	0.01	0.01	9	6	5
A	SP 27	2	2674	234	333	2.0	40	15	896	4.27	18	5	ND	ND	267	4	2	3	232	2.03	0.20	19	9	1.27	87	0.16	5	1.43	0.02	0.01	3	6	5
A	SP 28	2	4444	78	107	4.3	12	14	309	2.35	12	5	ND	ND	147	1	5	14	141	0.70	0.14	19	10	0.55	95	0.06	5	0.83	0.01	0.01	1	3	5
A	SPAR 1	32	78010	765	979	331.4	35	14	568	8.22	9	5	ND	ND	549	39	8	177	164	2.81	0.09	14	4	0.76	36	0.31	70	0.80	0.01	0.01	19	1	200
A	SPAR 2	5	34440	242	382	24.4	2	2	355	3.31	9	5	ND	ND	142	5	5	10	242	2.15	0.04	20	3	0.02	25	0.07	30	0.13	0.01	0.01	5	5	30
A	SPAR 3	2	12680	54	133	11.6	6	2	377	2.11	15	5	ND	ND	201	1	4	38	431	2.04	0.02	25	18	0.17	30	0.11	15	0.20	0.01	0.01	2	9	30
A	SPHALER 1	424	65270	12653	51130	304.0	157	236	1281	8.30	10	5	ND	ND	168	612	69	583	244	5.95	0.01	9	1	0.50	18	0.10	65	0.93	0.01	0.02	N/A	2	60
A	VIEW 1	7	3780	35	457	3.5	212	29	840	4.40	22	5	ND	ND	172	5	2	5	154	3.07	0.22	12	52	2.35	75	0.34	10	2.36	0.01	0.01	4	3	650
A	VIEW 2	4	5771	58	217	7.8	179	23	911	4.16	22	5	ND	ND	140	3	2	12	234	4.36	0.34	22	29	1.33	65	0.28	10	1.65	0.01	0.01	5	5	430
A	ZINC 1	15	21680	1094	4398	215.7	145	27	2924	7.51	5075	5	ND	18	39	55	3383	2	37	3.94	0.06	6	1	2.20	21	0.01	120	0.36	0.01	0.01	12	1	20
A	ZINC 2	13	1786	26484	39440	90.7	54	17	3741	10.48	65467	5	10	12	77	654	243	2	20	8.86	0.01	8	1	4.06	21	0.01	195	0.21	0.01	0.01	N/A	2	690
A	ZINC 3	3	3594	1182	679	28.5	9	4	115	2.25	2369	5	ND	ND	2	9	20	21	16	0.09	0.01	1	30	0.13	26	0.01	35	0.31	0.01	0.01	1	1	40

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

T.V.W. Engineering File # 90-6207

Box 820, 810 W. Broadway, Vancouver BC V5Z 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	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	AU* ppb	Sample wt. lb
90-ZNC-1	1	66	18	58	.4	314	27	634	4.90	51	5	ND	1	90	.2	2	2	90	2.51	.125	2	460	5.38	67	.13	9	1.76	.03	.09	1	7	27
90-ZNC-2	1	63	2	39	.1	35	16	603	5.43	14	5	ND	1	42	.2	5	2	134	1.38	.098	4	96	1.42	43	.17	16	1.33	.06	.08	1	5	21
90-ZNC-3	1	73	2	44	.1	32	18	771	7.17	12	5	ND	1	58	.2	5	2	159	1.82	.095	5	114	1.38	58	.20	16	1.50	.09	.11	1	5	30
90-ZNC-4	1	55	12	68	.2	240	23	521	3.69	64	5	ND	1	72	.2	7	2	83	2.41	.124	3	433	4.03	67	.11	5	1.34	.02	.05	1	8	19

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: STREAM SED AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 28 1990 **DATE REPORT MAILED:** Dec 6/90 **SIGNED BY.** D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Split 300 gms
Sieve -20 mesh
pulverize - to -100 mesh.