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ASSESSMENT REPORT

on

GEOLOGICAL MAPPING
ROCK & SOIL GEOCHEMISTRY

Tenures 515909 and 515910

Lewis Creek and Tracy Creek Area
Fort Steele Mining Division

TRIM 82G.072 & 082
599500 E 5517000 N
(SOIL GRID at 600200E 5515600N)

Owner and Operator
Ruby Red Resources
Suite 207 239 - 12th Ave SW
Calgary, Alberta, T2R 1H6

Report by
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March, 2006

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1.00 INTRODUCTION

1.10 Location and Access

The Loose Leg property is located in the Fort Steele Mining Division approximately 25 km northeast of Cranbrook, B.C., between upper Lewis Creek and the Rocky Mountain Trench (Fig. 1). Access is via forestry and mining roads up Lewis Creek and an old road up Tracy Creek.

1.20 Property

The Loose Leg property includes 2 converted claims, tenures 515909 and 515910 (Fig. 2). The claims are owned by Ruby Red Resources Inc. of Calgary, Alberta.

1.30 Physiography

The Loose Leg property is located east of the Rocky Mountain Trench in the Hughes Range of the Rocky Mountains and straddles the ridge between the north-flowing upper part of Lewis Creek and the trench. Topography is generally steep with mainly wooded and locally rocky slopes. Elevation ranges from about 1060 to 2060 meters. Forest cover includes mainly pine, fir and larch. Small parts of the claim block have been logged and are in various stages of regeneration.

1.40 History

A number of old workings are present on the the claim block, developed on poly-metallic but mainly galena-bearing quartz veins. In 2002 a program of prospecting and rock geochemistry was conducted on the claims (Rodgers and Kennedy, 2002) with anomalous gold detected at a number of localities. In 2003 minor geologic mapping was completed and one area was explored with three lines of contour soil geochemistry (Klewchuk, 2004). This work was continued in 2004 with geologic mapping, soil and rock geochemistry and ground VLF-EM geophysics (Klewchuk, 2005).

1.50 Purpose of Exploration Program

In 2005 detailed geologic mapping and grid soil geochemistry were conducted over a large tourmalinite exposure (mostly subcropping) between the Estella Mine road and the ridge to the east (Fig. 3). The soil geochemistry grid was completed to evaluate the tourmalinite for the presence of base metals because the former-producing world class Pb-Zn-Ag Sullivan orebody north of Kimberley, B.C. and located just 25 kilometers to the west, is associated with a similar large tourmalinite occurrence. Previous soil geochemistry grids in the area by Bakra Resources (Assessment Report 16,337) and Cominco Ltd. (Assessment Report 21,935) had detected widespread anomalous gold and this was a target of the current program as well.

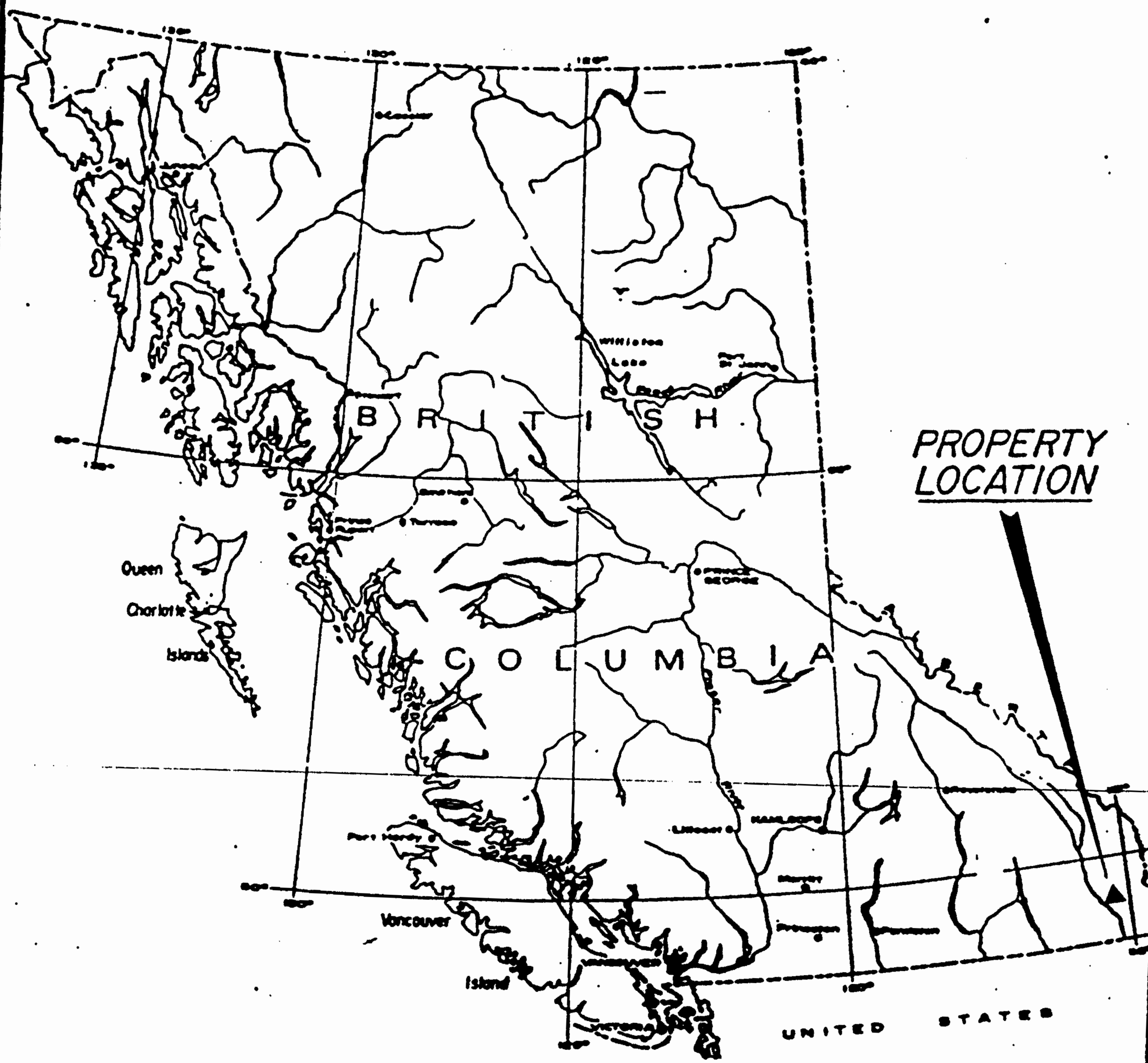
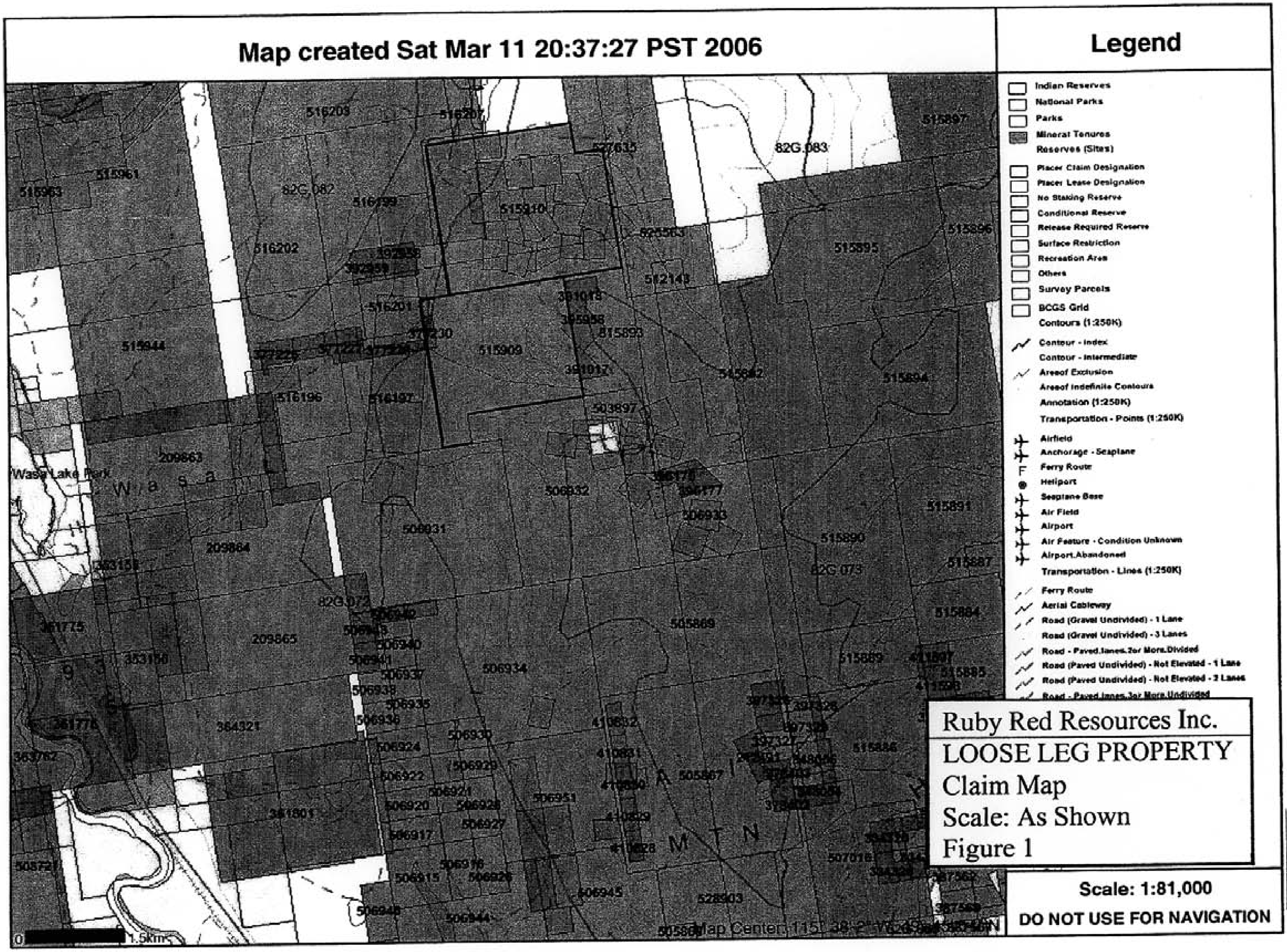


Figure 1
Loose Leg Property Location


Map created Sat Mar 11 20:37:27 PST 2006
Legend
Indian Reserves
National Parks
Parks
Mineral Tenures
Reserves (Sites)
Placer Claim Designation
Placer Lease Designation
No Staking Reserve
Conditional Reserve
Release Required Reserve
Surface Restriction
Recreation Area
Others
Survey Parcels
BCGS Grid
Contours (1:250K)
Contour - Index
Contour - Intermediate
Areaof Exclusion
Areaof Indefinite Contours
Annotation (1:250K)
Transportation - Points (1:250K)
Airfield
Anchorage - Seaplane
Ferry Route
Heliport
Seaplane Base
Air Field
Airport
Air Feature - Condition Unknown
Airport.Abandoned
Transportation - Lines (1:250K)
Ferry Route
Aerial Cableway
Road (Gravel Undivided) - 1 Lane
Road (Gravel Undivided) - 3 Lanes
Road - Paved.lanes.2or More.Divided
Road (Paved Undivided) - Not Elevated - 1 Lane
Road (Paved Undivided) - Not Elevated - 2 Lanes
Ruby Red Resources Inc.
LOOSE LEG PROPERTY
Claim Map
Scale: As Shown
Figure 1
Scale: 1:81,000
DO NOT USE FOR NAVIGATION
Wasa Lake Park
82G.083
82G.082
82G.072
82G.073
1.5km

2.00 GEOLOGY

Stratigraphy

The Loose Leg property is underlain by mesoproterozoic Purcell Supergroup rocks of the Fort Steele and Aldridge Formations. These rocks are described by Hoy (1993):

> Purcell Supergroup rocks in Fernie west-half are exposed in the Purcell Mountains and the Hughes, Lizard and Galton ranges east of the trench. Throughout the Purcell Mountains , formations are generally thick, contacts between them are gradational, and lateral facies or thickness changes are gradual. However in the northern Hughes Range the lower part of the Purcell Supergroup is markedly different, with predominantly fluvial, alluvial fan and deltaic deposits at the base, overlain by a relatively thin and heterogeneous Aldridge succession. Facies and thickness changes within the Aldridge Formation are pronounced here indicating influence of syndepositional faults or growth faults. A thick succession of turbidites, interlayered with gabbroic sills, was deposited to the south and west. The transition between these contrasting facies marks the edge of the Purcell basin in early Purcell time. The tectonic disturbance recorded in these rocks continued intermittently near the basin edge during deposition of younger, generally shallow-water sediments.

The Fort Steele Formation is exposed along the western edge of the Loose Leg property and is described by Hoy as:

> The Fort Steele Formation comprises predominantly cross-bedded and massive quartz arenite, quartz and feldspathic wacke and siltstone, interpreted to be primarily deposits of a braided fluvial system. The formation is characterized by thick sections of massive and crossbedded quartz arenite and a number of large fining-upward cycles, termed megacycles, that are several hundred meters thick. Fine-grained siltstone and argillite facies are not abundant, comprising less than 10 per cent of the total exposed succession. These are interpreted to be alluvial fan and fan-delta deposits.

The Aldridge Formation overlies the Fort Steele Formation on the Loose Leg property. The lower part of the Aldridge Formation is divided by Hoy (1993) into six distinctive units, A1a to A1f. These units are further described by Hoy:

> The basal member of unit A1 (A1a) ... consists of medium to dark grey to black, finely laminated argillite and siltstone. Flaser and lenticular bedding occur occasionally and graded siltstone-argillite couplets up to 3 centimeters thick may define bedding. Its basal part is generally coarser grained and may include minor quartz wacke, siltstone and wacke with dolomitic cement.

A1b is a conspicuous unit, from 20 to more than 100 meters thick, characterized by abundant carbonate and referred to as the "carbonate marker unit". It consists primarily of interlayered silty or argillaceous dolomite, dolomitic argillite or siltstone interbedded on a 2 to 3 meter scale. Dolomitic layers are brown weathering, commonly finely laminated and may contain isolated mound-shaped stromatolites or cryptal algal mat deposits. Lenticular beds, crossbeds, scours and ripple marks are common within siltstone or dolomitic siltstone. Grey limestone, interbedded with dolomite, is prominent near the top of Unit A1b just north of Wasa Creek; thinly interbedded chert and dolomite, and pods of brown-weathering dolomite in siltstone are occasionally present.

Unit A1b grades upward into A1c, a succession of interbedded argillite and siltstone. South of Lewis Creek, A1c can be subdivided into three subunits. These include a massive to faintly laminated black graphitic argillite, overlain by a lighter coloured grey, greenish grey or tan, finely laminated siltstone or silty argillite and, finally, a medium to dark grey, rusty weathering, massive to faintly laminated argillite. Rusty weathering dolomite pods, minor calcareous argillite and rare, thin silty quartzite layers occur locally within the two upper subunits.

Unit A1d is a distinctive unit south of Lewis Creek that hosts both the Kootenay King and Estella lead-zinc deposits. It consists largely of buff-weathering dolomitic siltstone interlayered with buff to grey, finely laminated argillite. Sedimentary structures, including lenticular bedding, flaser bedding, tangential crossbedding and graded siltstone-argillite couplets, commonly with flame or load casts at their base, are conspicuous. To the south, the unit becomes a coarser grained tan siltstone or wacke with only minor argillite or dolomitic siltstone. To the north it changes to a dark, finely laminated argillite with only minor interbedded siltstone. Contacts with underlying argillite of unit A1c and overlying, generally dolomite-free siltstone and argillite of Unit A1f are gradational across many tens of meters.

Unit A1f comprises siltstone and argillite with minor dolomitic siltstone and occasional wacke and quartz arenite beds. Graded bedding is common and ripple crosslaminations, lenticular bedding and mud-chip breccias occur in the middle and upper parts of the unit. The contact with the overlying middle Aldridge is placed at the base of the first, prominent, thick-bedded quartz wacke turbidite sequence.

A number of thick, massive to faintly laminated quartz arenite or quartz wacke beds (referred to as 'quartzites' and mapped as Unit A1e) occur within A1d and less commonly within A1c.

Middle Aldridge Formation rocks exposed in the southwest corner of the claim block include grey to rusty weathering quartz wacke and siltstone interbedded with silty argillite.

Detailed Mapping of Estella Tourmalinite Area

Within and proximal to the area of detailed soil sampling, a large tourmalinite occurrence was mapped (Fig. 3). Tourmalinite is a massive, fine-grained "chert-like" rock composed of very fine-grained tourmaline crystals within a usually siltstone or quartzite stratigraphy. Tourmalinite is a product of hydrothermal alteration that may be associated with the emplacement of economic concentrations of lead and zinc sulfides as well as silver; a very large tourmalinite occurs in the footwall of the former-producing Sullivan Mine just north of Kimberley, B. C., about 25 kilometers to the west.

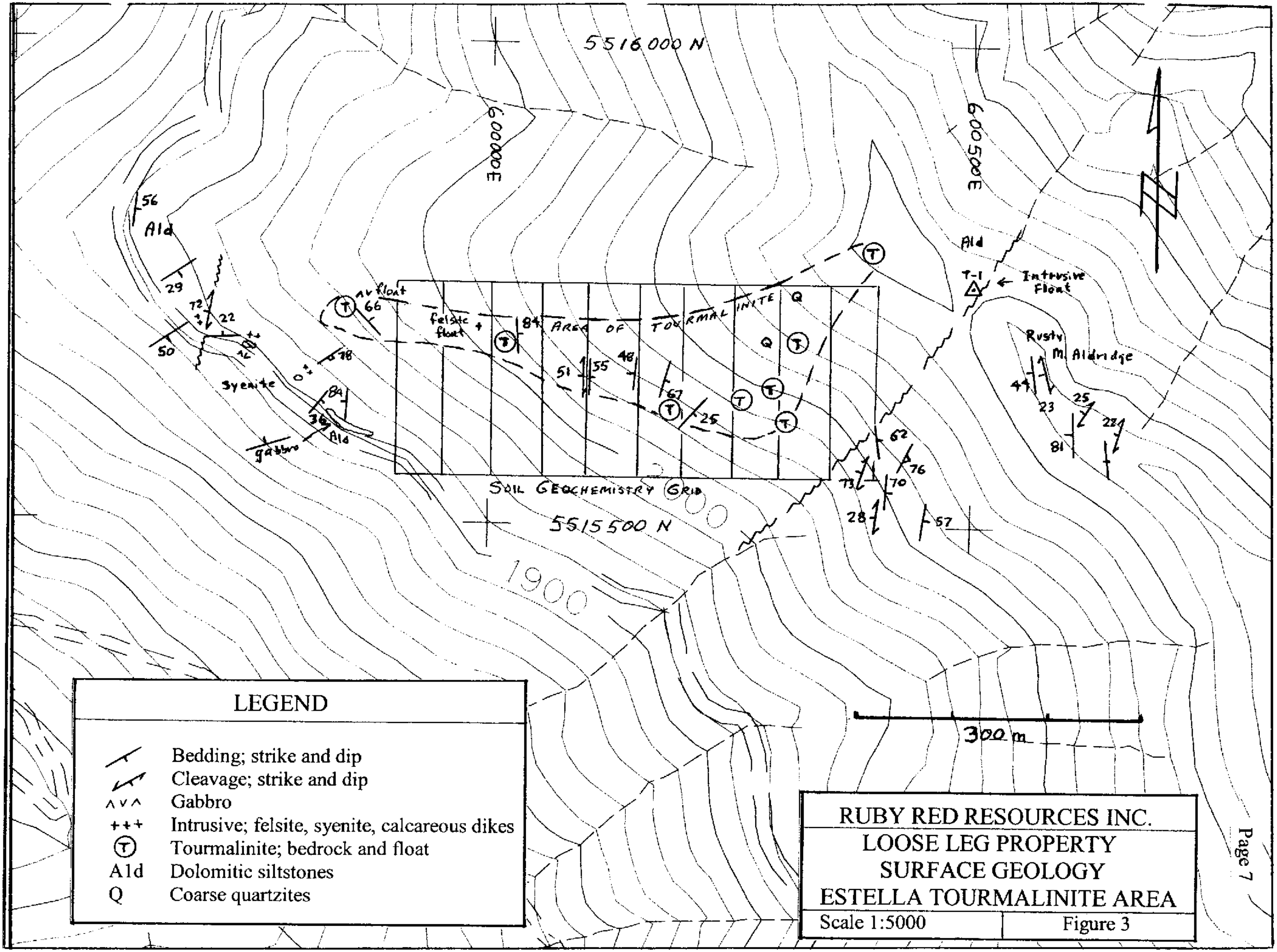
The rounded, west-facing ridge that hosts the Estella Tourmalinite occurrence is underlain by units A1d and A1f (laminated to banded buff-weathering dolomitic siltstones and laminated to faintly banded gray siltstones respectively) and the ridge east of the tourmalinite is of rusty Middle Aldridge siltstones. An inferred northeast-striking fault (of probable minor displacement) separates A1d rocks from Middle Aldridge rocks in a small saddle immediately east of the tourmalinite (Fig.3). Unit A1d hosts both the Kootenay King and the Estella Pb-Zn-Ag deposits which occur a short distance to the south of the tourmalinite.

Small exposures of unit A1e (coarse quartzites, similar to the rocks which host the Kootenay King Pb-Zn-Ag deposit) occur within the tourmalinite, near the eastern limit of the tourmalinite. These quartzites are tourmalinized and black in color.

Although the ridge is at a moderately high elevation and has a comparatively sparse vegetation cover, bedrock exposures are minimal (estimated <5%) with extensive frost-heaved subcroppings and talus cover. Thus the detailed geology such as the nature of folding and faulting, is not well known. Bedding typically strikes north to northeast with steep to locally moderate dips. Beds mostly dip to the east and southeast but periodic dip reversals indicate folding is present. Some of the folding may be fault-related. Cleavage generally strikes sub-parallel to bedding but tends to dip more flatly to the west.

The tourmalinite is exposed in small outcrops but it's extent (Fig.3) is defined largely through subcrop in talus. The tourmalinite is distinctly linear for about 600 meters in an east-west direction and may be structurally controlled. Older Moyie Intrusion gabbros and younger, more calcareous and more felsic dikes present near the tourmalinite all have easterly trends and may be controlled by the same general structure as the tourmalinite. This tourmalinite occurrence is one of the largest known in the Aldridge Formation, except for a few that occur at the lower-middle Aldridge contact (the host stratigraphy of the Sullivan Mine).

Widespread alteration that may be classified as a general hornfels alteration is present through the area of detailed mapping around the Estella Tourmalinite. This alteration is considered related to the Estella stock which has a small exposure immediately southeast of the Estella Pb-Zn-Ag vein, and about 1700 meters south of the Estella Tourmalinite. The Estella stock has a porphyritic texture and compositionally varies from quartz monzonite to quartz monzodiorite and syenogranite (Hoy, 1993). The Estella stock is known to have associated gold mineralization and


5516000 N
600000 E
600500 E
5515500 N
1900
Ald
Syenite
gabbro
felsite float
AREA OF TOURMALINITE
SOIL GEOCHEMISTRY GRID
Q
T-1
Intrusive Float
Rusty M. Aldridge
300 m
LEGEND
Bedding; strike and dip
Cleavage; strike and dip
^v^ Gabbro
+++ Intrusive; felsite, syenite, calcareous dikes
(T) Tourmalinite; bedrock and float
A1d Dolomitic siltstones
Q Coarse quartzites
RUBY RED RESOURCES INC.
LOOSE LEG PROPERTY
SURFACE GEOLOGY
ESTELLA TOURMALINITE AREA
Scale 1:5000
Figure 3

the widespread diking and hornfels alteration peripheral to the stock provides a large target area for mineral exploration. Regarding the Estella stock, Hoy (1993) states:

> The country rock is hornfelsed and locally contains abundant disseminated pyrite; it may be brecciated and cut by quartz-carbonate sulphide veins. Porphyry dikes, similar to the contact phase of the Estella stock, locally extend several hundred metres into the country rock.

and

> The Estella stock is interpreted to be an epizonal, volatile-rich composite intrusion that was forcibly emplaced into Middle Aldridge metasedimentary rocks. It contrasts markedly with the coarser grained, more homogeneous mesozonal Kiakho and Reade Lake stocks.

Zones of argillic (potassic) and limonitic (pyrite) alteration are scattered through the area of the Estella Tourmalinite with some more intense zones having more abundant quartz veining. Veinlets of coarse specular hematite occur within sedimentary rocks associated with the tourmalinite. These features are considered part of the hornfels alteration halo of the Estella stock.

3.00 ROCK AND SOIL GEOCHEMISTRY

3.10 Rock Geochemistry

Only one rock sample was collected during the detailed mapping of the Estella Tourmalinite area. This sample (T-1; Fig.3) is from the small saddle immediately east of the eastern limit of the tourmalinite. It may reflect a small fault within the saddle, trending northeast and separating lower Aldridge Formation A1d stratigraphy on the northwest from rusty Middle Aldridge Formation rocks to the southeast. Rock sample T-1 is a float specimen of a 3 cm wide quartz vein which is rusty and vuggy with clots of fine, disseminated pyrite and with argillic-altered 'clay' material in vuggy seams. The analysis (Appendix 1) indicates a strong gold-related geochemical signature; 77 ppm Mo, 3.1 ppm Ag, 181 ppm As, 31 ppm Sb and 11 ppm Bi, whereas lead (7 ppb) and zinc (113 ppm) are low. Gold is only 25 ppb. Sample T-1 may reflect mineralization associated with the fault that is inferred within the nearby saddle; elsewhere along this structure, evidence of hornfels / limonitic alteration is present suggesting this structure acted as a conduit for hydrothermal solutions associated with intrusion of the Estella stock.

3.20 Soil Geochemistry

A detailed grid covering most of the known "Estella tourmalinite" was established with eleven 200 meter long north-south survey lines spaced 50 meters apart. Soil samples were taken at 25 meter spacings for a total of 99 samples taken within a 200 meter by 500 meter area (Fig. 3). Survey points were established using GPS and hipchain and compass. Because of the relatively steep slopes, GPS readings were mostly relied on for sample locations.

Soils were collected from a depth of about 15 to 20 cm; usually the 'B' horizon but many sample sites have no well developed soil profile and are on talus. The soil samples were placed in Kraft paper bags, dried and then shipped to ACME Analytical Laboratories at 852 East Hastings Street, Vancouver, B.C., V6A 1R6, and analyzed for a 30 element ICP package and geochemical gold by standard analytical techniques. The grid location is shown on Figure 3 and detailed results for ten separate elements are shown in Figures 4a to 4e. Complete geochemical analyses are provided in Appendix 1.

Results

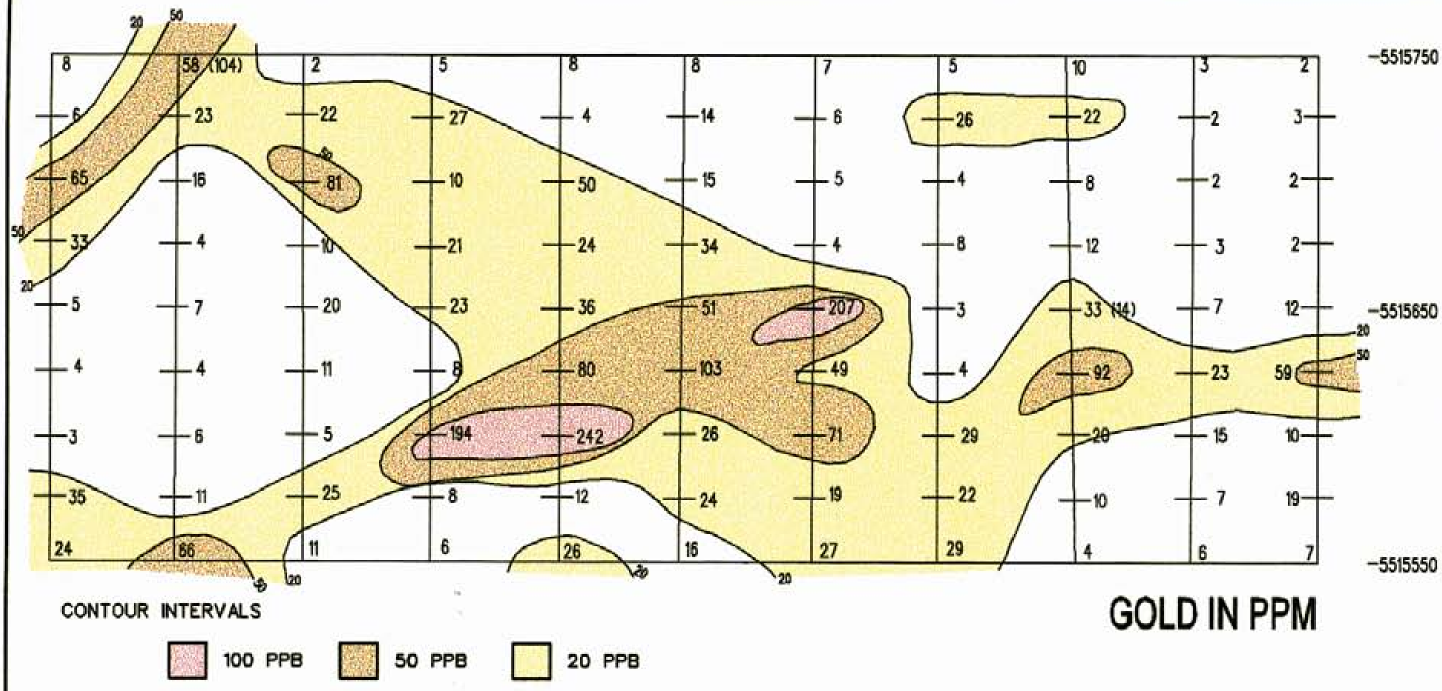
Although the detailed soil grid was established to primarily evaluate the area of the tourmalinite for the presence of base metals, it is known that the Estella stock has anomalous gold and that the surrounding area of hornfels alteration is prospective for gold mineralization. Soil sample results confirm exploration potential for both base and precious metals.

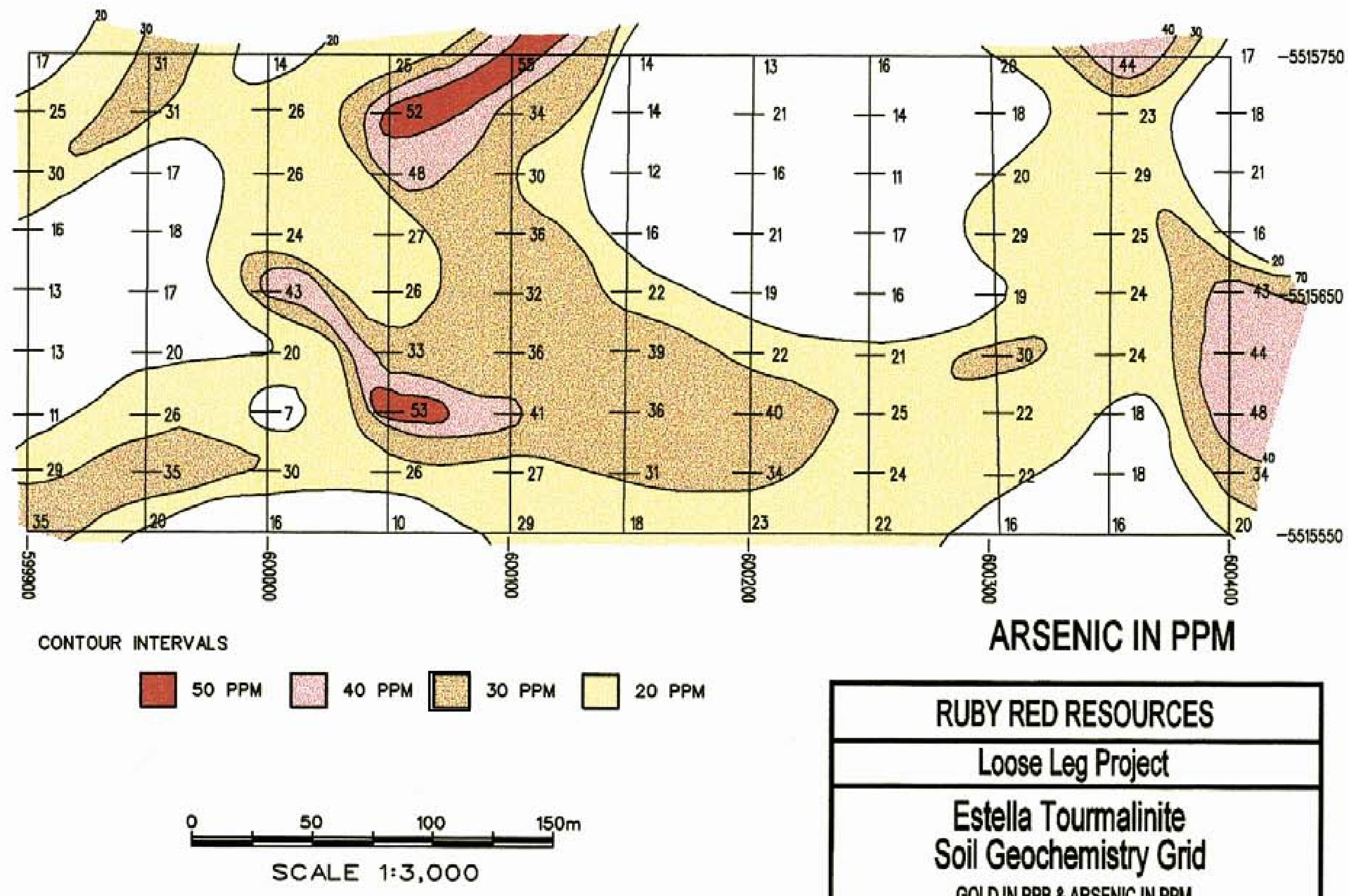
GOLD Figure 4a

Just under half of the grid has gold values of 20 ppb or more, with maximum gold value of 242 ppb. Gold is concentrated in the central part of the grid and tends to follow two trends; east-west and northeast. The east-west linear may reflect a similar structural control to that of the tourmalinite.

ARSENIC Figure 4a

The regional threshold for arsenic in the Aldridge is considered to be about 9 ppm. Only one sample on the grid is below 10 ppm and only about 1/3 of the samples are under 20 ppm. Arsenic values range up to 55 ppm and there is close correlation with gold as both east-west and northwest trends are evident. The areas of higher arsenic do not correlate well with lead and zinc as might be expected in association with a tourmalinite.





RUBY RED RESOURCES	
Loose Leg Project	
Estella Tourmalinite Soil Geochemistry Grid GOLD IN PPB & ARSENIC IN PPM	
Scale: 1:3,000	Figure: 4a
Date: March/2006	Datum: Nad 83
	loos_leg/fig4a.dgn

COPPER Figure 4b

Very few samples are below the "regional threshold" of about 32 ppm for copper in the Aldridge Formation making the area of the grid quite broadly anomalous in copper. Values range up to 113 ppm with a northeast and east-west to west-northwest trend evident. A cluster of higher copper samples in the southeast portion of the grid may reflect mineralization associated with a northeast fault.

SILVER Figure 4b

Higher silver values (up to 1.0 ppm) occur in the central part of the grid and coincide closely with anomalous gold. Higher values on the east edge of the grid may reflect the influence of a northeast fault structure.

LEAD Figure 4c

Most of the grid area is above 50 ppm Pb, which is a broad regional threshold level for lead in the Aldridge Formation, with values as high as 483 ppm. The southeast 1/3 of the grid area has values >100 ppm Pb and these follow an easterly trend, roughly parallel to the mapped tourmalinite, although offset to the south.

ZINC Figure 4c

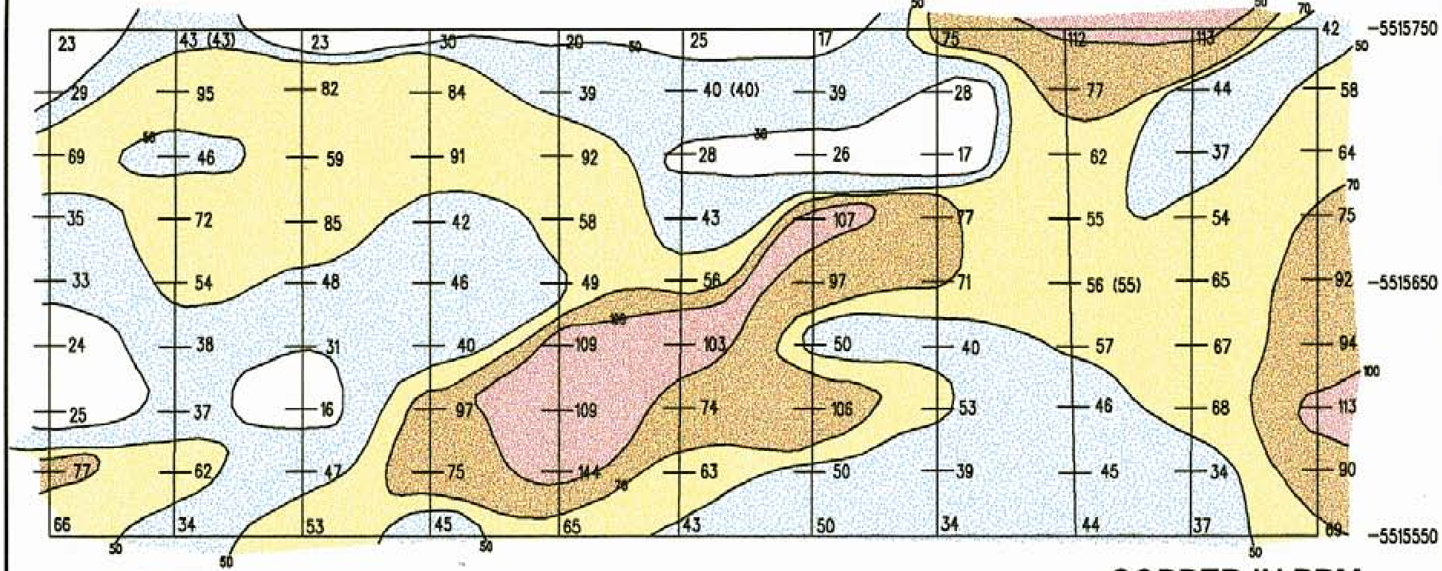
Higher zinc values of >300 ppm generally coincide with higher lead values. The highest value of 567 ppm Zn is in the extreme northwest corner of the grid, coincides with high lead, and remains open off the grid.

BISMUTH Figure 4d

Higher bismuth values are clustered in the central and eastern part of the grid, with maximum value of 7 ppm. These coincide most closely with gold, silver, molybdenum and uranium and most probably reflect the influence of the Estella stock as a 'gold-mineralizing' feature.

ANTIMONY Figure 4d

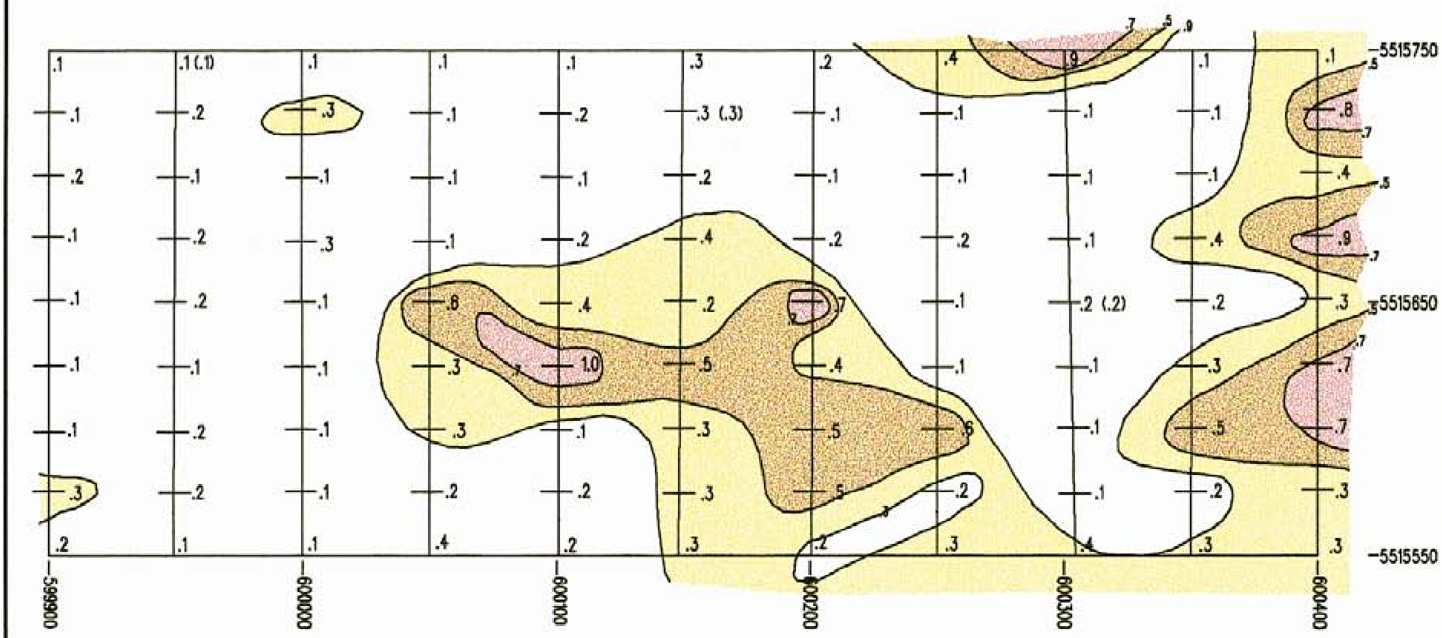
Higher values of antimony are more widespread than bismuth and most closely correlate with copper. The highest antimony value is 2.1 ppm.



CONTOUR INTERVALS

100 PPM | 70 PPM | 50 PPM | 30 PPM

COPPER IN PPM



SILVER IN PPM

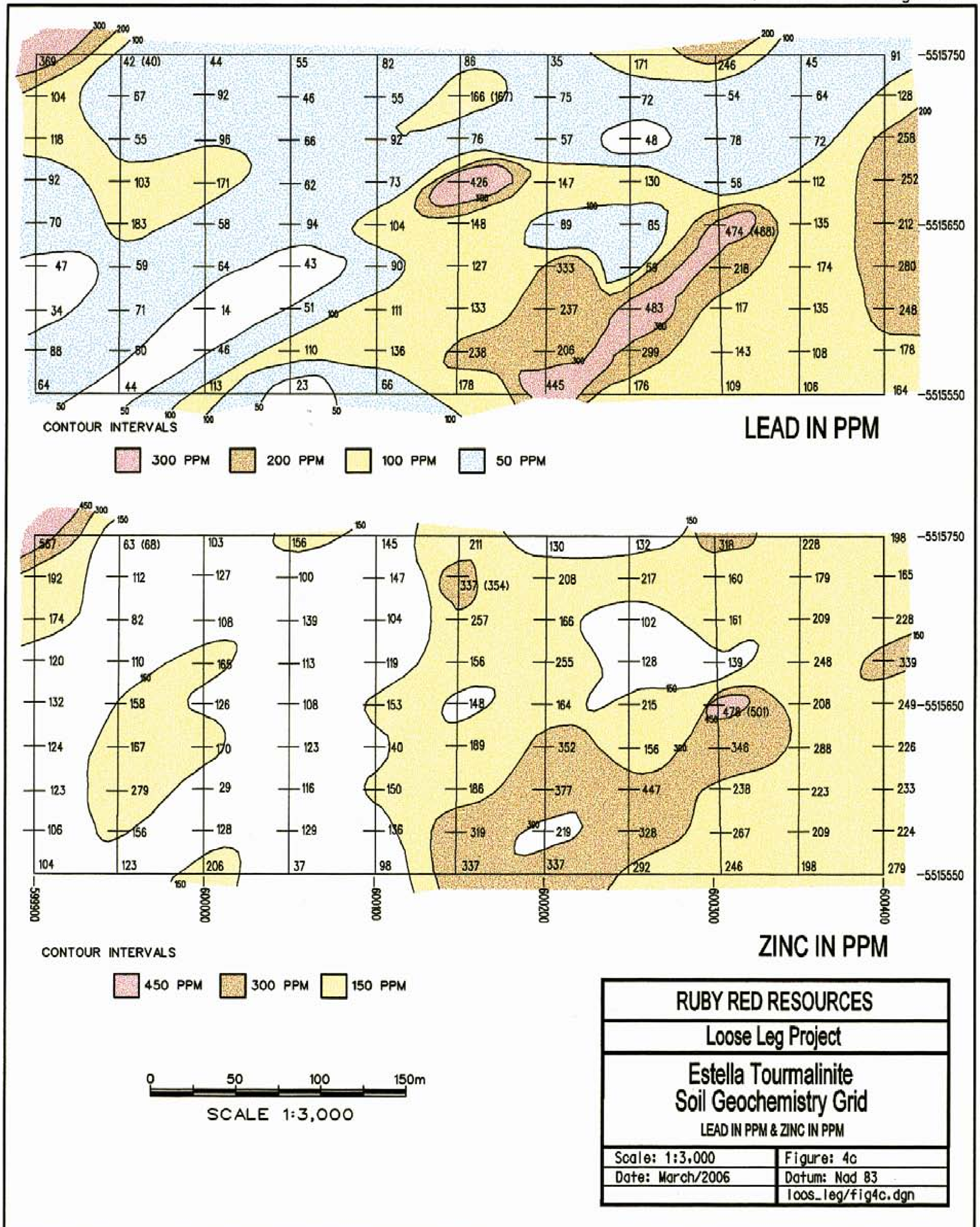
CONTOUR INTERVALS

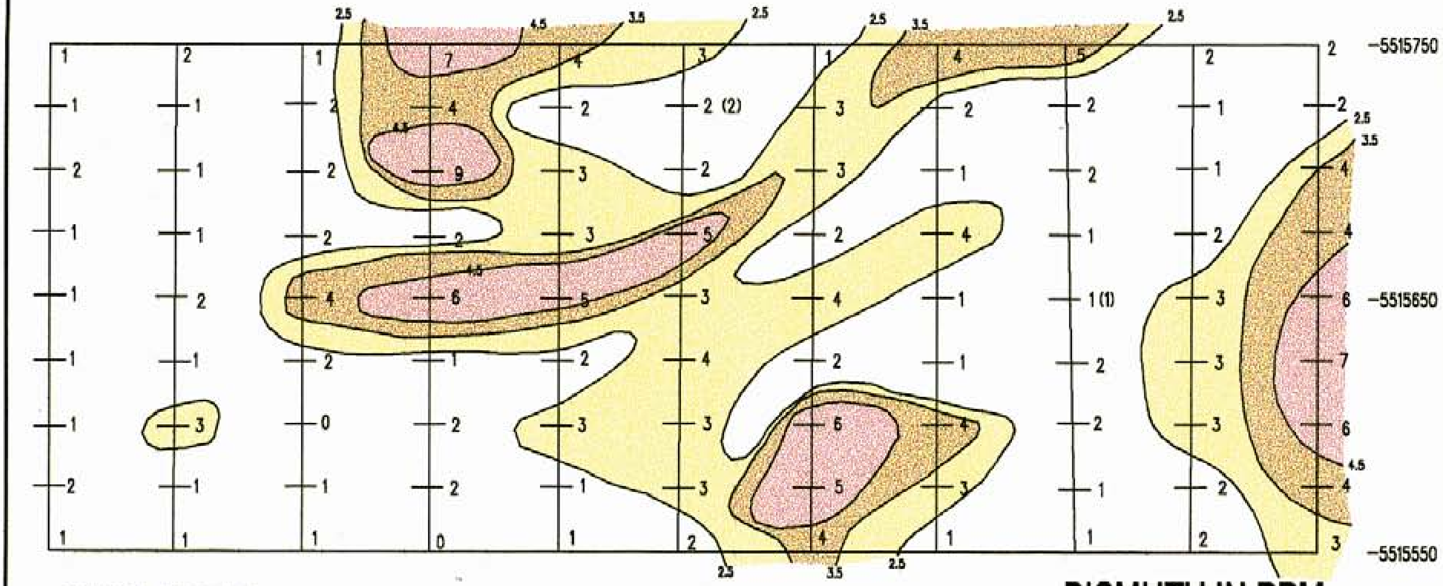
0.7 PPM | 0.5 PPM | 0.3 PPM

0 50 100 150m

SCALE 1:3,000

RUBY RED RESOURCES	
Loose Leg Project	
Estella Tourmalinite Soil Geochemistry Grid COPPER IN PPM & SILVER IN PPM	
Scale: 1:3,000	Figure: 4b
Date: March/2006	Datum: Nad 83
	loos_leg/fig4b.dgn

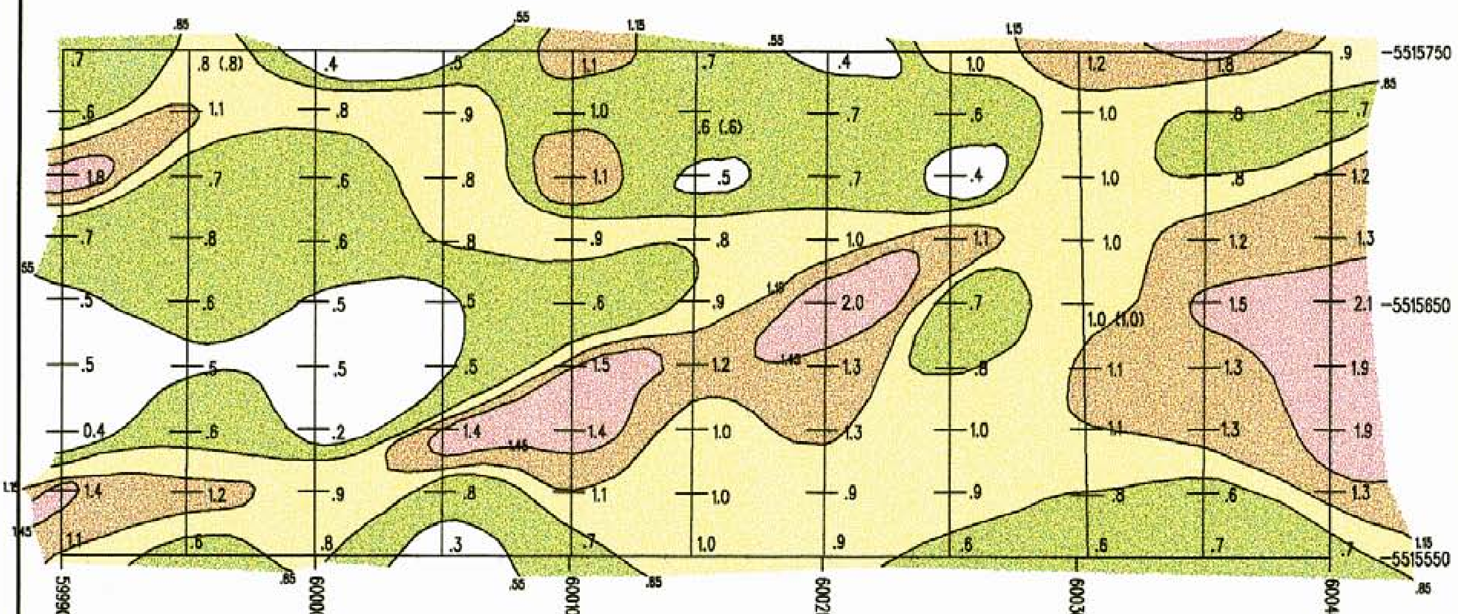

-5515750
-5515650
-5515550
LEAD IN PPM
CONTOUR INTERVALS
300 PPM
200 PPM
100 PPM
50 PPM
599900
600000
600100
600200
600300
600400
ZINC IN PPM
CONTOUR INTERVALS
450 PPM
300 PPM
150 PPM
0 50 100 150m
SCALE 1:3,000
RUBY RED RESOURCES
Loose Leg Project
Estella Tourmalinite
Soil Geochemistry Grid
LEAD IN PPM & ZINC IN PPM
Scale: 1:3,000
Figure: 4c
Date: March/2006
Datum: Nad 83
loos_leg/fig4c.dgn



BISMUTH IN PPM

CONTOUR INTERVALS

4.5 PPM | 3.5 PPM | 2.5 PPM



ANTIMONY IN PPM

CONTOUR INTERVALS

1.45 PPM | 1.15 PPM | 0.85 PPM | 0.55 PPM

0 50 100 150m

SCALE 1:3,000

RUBY RED RESOURCES	
Loose Leg Project	
Estella Tourmalinite Soil Geochemistry Grid BISMUTH IN PPM & ANTIMONY IN PPM	
Scale: 1:3,000	Figure: 4d
Date: March/2006	Datum: Nad 83
	loos_leg/fig4d.dgn

MOLYBDENUM Figure 4e

Higher molybdenum values are in the central and eastern part of the grid with maximum value of 75 ppm on the eastern edge of the grid area. Broader, lower anomalous molybdenum values correlate with gold and uranium.

URANIUM Figure 4e

Elevated uranium values (maximum of 4.6 ppm) closely correlate with molybdenum and appear to reflect a gold-mineralizing process associated with the Estella stock.

4.00 CONCLUSIONS AND RECOMMENDATIONS

Detailed grid soil sampling over the Estella Tourmalinite has established a moderate to strong base and precious metal anomaly. A number of "indicator elements" for gold are also elevated. Anomalous lead, zinc and arsenic may be related to the large tourmalinite. Elevated precious metal and "gold indicator" elements appear to be related to the Estella porphyry stock which occurs about 1700 meters south of the soil geochemistry grid. Anomalous metal values commonly extend to the edges of the grid area and further soil geochemistry is warranted to delineate these anomalies.

5.00 REFERENCES

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Hoy, T., 1993 Geology of the Purcell Supergroup in the Fernie west-half map area, southeastern British Columbia: British Columbia Ministry of Energy, Mines and Petroleum Resources Bulletin 84.

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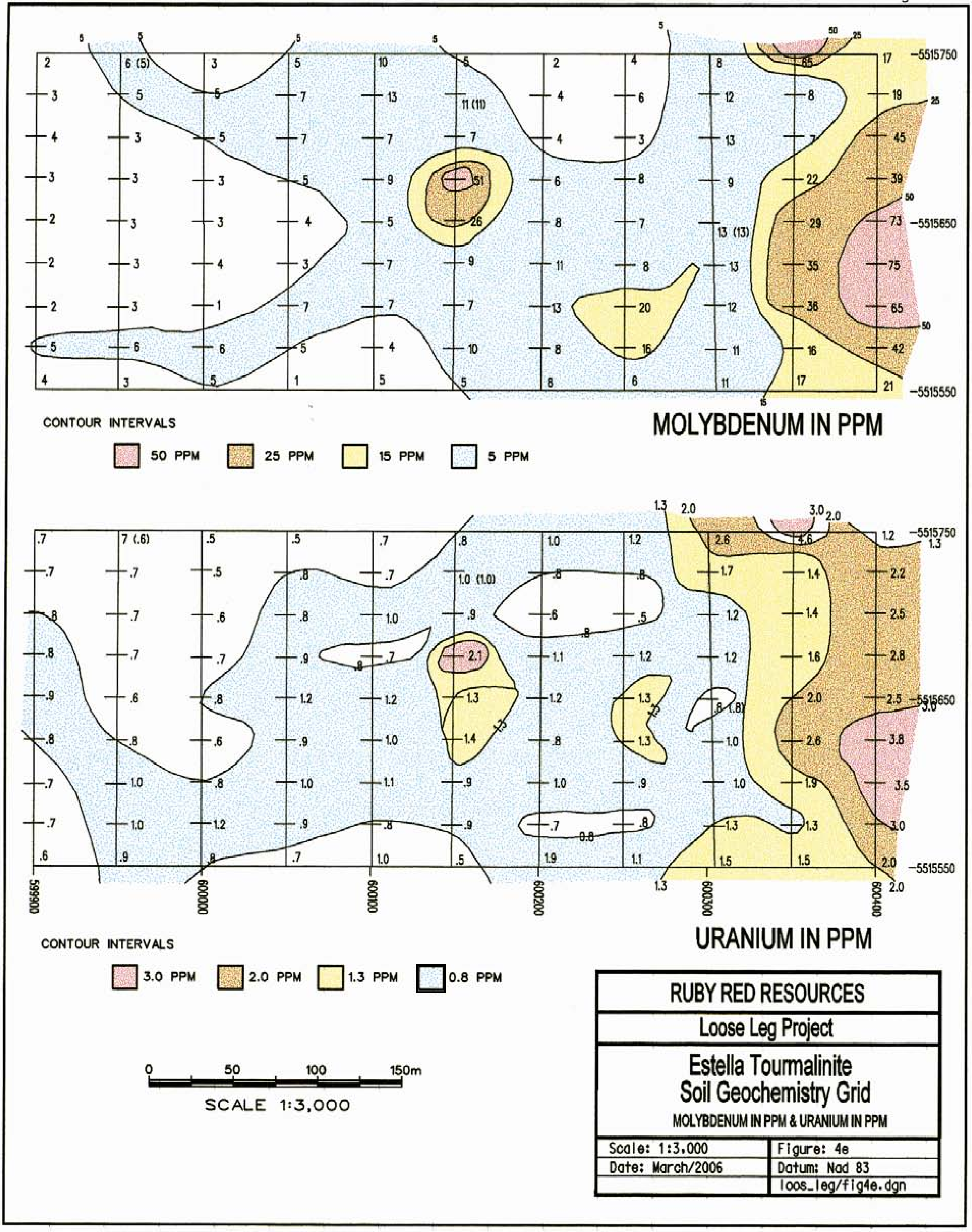
MOLYBDENUM IN PPM
CONTOUR INTERVALS
50 PPM
25 PPM
15 PPM
5 PPM
URANIUM IN PPM
CONTOUR INTERVALS
3.0 PPM
2.0 PPM
1.3 PPM
0.8 PPM
0 50 100 150m
SCALE 1:3,000
RUBY RED RESOURCES
Loose Leg Project
Estella Tourmalinite
Soil Geochemistry Grid
MOLYBDENUM IN PPM & URANIUM IN PPM
Scale: 1:3,000
Figure: 4e
Date: March/2006
Datum: Nad 83
loos_leg/fig4e.dgn

6.00 STATEMENT OF EXPENDITURES

Collection and analysis of 99 soil samples @ \$21.00 / sample	\$2079.00
Freight	34.54
Field Work (Geologic mapping) 2 days @ \$350.00 / day	700.00
4X4 vehicle 4 days @ \$100.00 / day	400.00
Report and drafting 2 days @ \$350.00 / day	700.00
Report and field supplies	29.00
Sub Total	\$3947.54
15% Administration, Calgary and Cranbrook offices	592.13
Total cost	\$4539.67

7.00 AUTHOR'S QUALIFICATIONS

As author of this report I, Peter Klewchuk, certify that:

1. I am an independent consulting geologist with offices at 246 Moyie Street, Kimberley, B.C.
2. I am a graduate geologist with a B.Sc. degree (1969) from the University of British Columbia and an M.Sc. degree (1972) from the University of Calgary.
3. I am a Fellow of the Geological Association of Canada and a member of the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 29 years.
5. I have been employed by major mining companies and provincial government geological departments.

Dated at Kimberley, British Columbia, this 15th day of February, 2005.

Peter Klewchuk
P. Geo.

PROFESSIONAL PROVINCE OF P. KLEWCHUK BRITISH COLUMBIA GEOSCIENTIST

Ruby Red Resources Inc. PROJECT ROCKIES FILE # A600305 Page 2

ACME ANALYTICAL

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
G-1	<1	3	8	51	<.3	3	5	534	1.89	<2	<8	<2	4	61	.5
T-1	77	512	7	113	3.1	33	16	63	13.41	181	<8	<2	4	5	1.3
STANDARD DS6	11	120	29	137	.3	24	11	689	2.79	22	<8	<2	2	39	5.8

SAMPLE#	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
G-1	<3	<3	35	.50	.076	8	12	.58	239	.13	3	1.01	.07	.48	<2
T-1	31	11	11	.03	.034	6	13	.07	23	.01	19	.47	<.01	.12	<2
STANDARD DS6	4	5	54	.84	.077	14	187	.56	163	.08	16	1.86	.07	.15	3

Sample type: ROCK R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ___

Ruby Red Resources Inc. PROJECT ROCKIES FILE # A600305 Page 2

ACME ANALYTICAL

SAMPLE#	Au* ppb
G-1	.5
T-1	25.1
STANDARD AU-R	447.5

Sample type: ROCK R150. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9001 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Ruby Red Resources Inc. PROJECT TAC File # A504646 Page 1

207 - 239 - 12th Ave S.W., Calgary AB T2R 1H6 Submitted by: Peter Klewchuk

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	Se ppm	Sample gm
G-1	.9	2.5	3.4	41	<.1	7.8	4.0	484	1.66	<.5	2.4	1.6	4.3	65	<.1	<.1	.1	35	.48	.070	8	98.2	.52	206	.123	2	.91	.095	.59	.2	<.01	3.1	.3	.06	5	<.5	15.0
L000 750N	3.0	23.4	44.4	103	.1	25.2	12.9	732	2.59	13.5	.5	2.3	5.2	11	.1	.4	1.1	26	.10	.063	16	16.8	.36	250	.060	1	2.12	.007	.09	.1	.02	1.6	.1	<.05	7	<.5	15.0
L000 725N	4.6	81.8	91.5	127	.3	34.8	20.3	916	3.82	26.3	.5	21.7	10.1	18	.3	.8	1.5	12	.39	.038	18	11.8	.37	95	.012	1	1.19	.004	.12	.1	.04	3.7	<.1	.07	3	<.5	15.0
L000 700N	4.6	58.8	95.5	108	.1	28.5	19.3	1819	3.53	26.1	.6	81.4	7.8	16	.2	.6	1.8	18	.17	.061	24	15.7	.48	237	.028	2	1.84	.006	.12	.1	.02	3.1	.1	.07	5	.6	15.0
L000 675N	3.4	85.4	171.1	165	.3	34.9	22.6	1055	4.00	23.8	.7	9.5	9.8	25	.3	.6	1.9	20	.31	.031	21	11.7	.39	255	.070	3	2.71	.012	.14	.1	.02	4.3	.1	<.05	7	<.5	15.0
L000 650N	2.8	48.2	58.0	126	.1	40.9	33.3	3363	3.26	42.5	.8	20.3	6.0	42	.6	.5	3.8	25	.50	.064	15	14.2	.37	465	.080	4	2.64	.015	.13	.1	.06	4.1	.2	<.05	7	.6	15.0
L000 625N	3.5	31.3	64.3	170	.1	27.9	16.6	1899	2.65	19.6	.6	10.7	3.0	42	.6	.5	1.9	19	.43	.181	14	10.2	.31	307	.056	5	2.01	.014	.16	.1	.02	1.9	.1	<.05	5	.5	15.0
L000 600N	.7	15.8	14.4	29	.1	18.6	7.1	251	1.85	7.4	.8	5.2	4.9	29	.1	.2	.3	20	.33	.062	5	5.9	.14	98	.168	3	4.21	.034	.06	.1	.03	2.7	.1	<.05	8	<.5	15.0
L000 575N	5.5	46.7	46.3	128	.1	36.2	20.1	1422	4.22	29.5	1.2	25.3	9.4	16	.3	.9	.8	13	.28	.040	20	8.1	.19	100	.025	1	1.47	.006	.11	.1	.02	4.4	.1	<.05	4	.5	15.0
L000 550N	4.9	53.3	113.3	206	.1	40.2	19.6	1874	4.12	16.4	.8	11.4	10.1	28	.9	.8	1.1	15	.46	.060	23	10.1	.30	129	.035	3	1.88	.007	.15	.1	.03	4.0	.1	<.05	4	.6	15.0
L050 750N	5.1	29.5	55.2	156	.1	31.4	22.5	3416	2.99	24.5	.5	4.9	5.5	26	.5	.5	6.6	28	.31	.104	20	25.5	.47	295	.027	1	1.69	.006	.14	.1	.03	2.6	.1	<.05	6	.5	7.5
L050 725N	6.8	84.3	46.2	100	.1	35.8	29.7	1588	3.60	51.6	.8	26.8	8.8	19	.3	.9	3.6	19	.17	.049	20	10.9	.35	176	.040	1	1.97	.006	.13	.1	.04	2.7	.1	<.05	5	.6	15.0
L050 700N	6.8	91.4	66.1	139	.1	42.3	30.8	1346	3.82	47.7	.8	10.2	8.6	27	.3	.8	8.9	25	.25	.047	17	14.1	.36	253	.069	2	2.77	.012	.12	.1	.03	2.9	.1	<.05	7	.6	15.0
L050 675N	5.3	42.3	62.1	113	.1	35.6	26.0	2691	3.68	27.0	.9	20.6	7.0	25	.4	.8	2.2	22	.21	.063	19	12.3	.37	301	.066	3	2.71	.011	.15	.1	.04	3.1	.1	<.05	7	.6	15.0
L050 650N	4.3	46.3	93.9	108	.6	37.9	22.1	2088	3.53	25.9	1.2	22.5	8.9	26	.5	.5	5.7	29	.28	.093	15	12.0	.31	217	.128	4	3.74	.020	.09	.2	.09	5.1	.2	<.05	9	.7	15.0
L050 625N	2.6	40.1	43.3	123	.3	46.8	21.8	1273	3.60	33.4	.9	8.0	7.7	32	.2	.5	1.2	25	.35	.070	13	11.4	.25	206	.124	4	3.66	.022	.12	.1	.03	3.9	.1	<.05	8	.5	15.0
L050 600N	7.3	97.0	51.2	116	.3	55.7	29.8	1255	7.02	52.6	1.0	193.7	9.2	16	.2	1.4	1.5	15	.35	.059	18	9.3	.23	89	.025	2	1.65	.006	.11	.1	.03	7.2	.1	<.05	4	.5	15.0
L050 575N	4.7	74.5	110.3	129	.2	34.6	34.2	4312	4.51	25.6	.9	7.6	3.1	51	.9	.8	1.7	16	.98	.122	15	10.5	.35	227	.020	5	1.30	.007	.13	.1	.06	3.3	.1	.13	3	.6	7.5
L050 550N	1.4	44.5	22.9	37	.4	20.6	9.5	268	2.05	10.3	.7	6.3	4.3	28	.2	.3	.4	19	.23	.054	8	6.8	.17	177	.118	2	2.98	.043	.08	.1	.03	2.5	.1	<.05	7	.5	15.0
L100 750N	9.9	19.6	82.0	145	.1	38.6	36.3	3173	2.99	54.6	.7	7.8	7.4	16	.4	1.1	4.3	17	.17	.092	26	12.8	.53	240	.019	1	1.48	.005	.12	.2	.04	1.8	.1	.08	4	<.5	15.0
L100 725N	12.8	39.4	55.3	147	.2	56.3	27.3	460	3.62	33.8	.7	3.6	6.6	17	.3	1.0	2.2	37	.08	.062	16	32.1	.56	168	.054	<1	2.53	.007	.10	.2	.02	2.7	.2	<.05	7	<.5	15.0
L100 700N	7.2	91.6	91.8	104	.1	36.4	27.6	1151	3.97	29.5	1.0	49.7	9.1	24	.3	1.1	2.9	10	.29	.055	24	9.7	.45	132	.010	2	1.47	.007	.13	.1	.03	2.4	.1	.09	3	.6	15.0
L100 675N	8.8	57.5	72.7	119	.2	28.0	17.6	768	3.68	36.1	.7	24.2	7.3	16	.3	.9	2.9	12	.09	.048	29	9.4	.26	106	.018	1	.98	.006	.08	.1	.02	1.7	.1	.07	3	.6	15.0
L100 650N	5.0	49.2	103.8	153	.4	36.8	32.0	2249	3.82	31.9	1.2	36.4	8.7	28	.7	.6	5.0	24	.28	.089	18	11.5	.29	285	.096	3	3.20	.018	.10	.1	.05	5.0	.2	.06	7	.5	15.0
L100 625N	7.3	109.3	89.6	140	1.0	45.4	24.9	862	6.25	35.9	1.0	79.7	10.6	17	.3	1.5	2.2	11	.26	.041	20	6.5	.20	59	.008	1	1.10	.004	.09	.1	.06	5.2	<.1	<.05	2	.6	15.0
L100 600N	7.2	109.1	111.4	150	.1	43.7	33.4	1259	6.02	40.9	1.1	242.4	9.0	23	.3	1.4	2.7	15	.24	.054	20	10.3	.26	116	.020	2	1.34	.010	.12	.1	.03	4.2	.1	.10	4	.7	15.0
L100 575N	4.4	143.9	135.5	136	.2	25.9	32.1	2756	3.34	27.4	.8	11.7	2.3	84	1.5	1.1	1.4	12	1.42	.159	10	9.3	.32	223	.016	12	1.08	.007	.14	.1	.11	3.2	.1	.23	3	.7	7.5
L100 550N	4.8	64.7	66.0	98	.2	32.1	24.5	2306	4.39	29.0	1.0	25.8	6.7	41	.4	.7	1.1	17	.59	.065	19	10.5	.28	249	.050	4	2.13	.012	.15	.1	.04	5.3	.1	.07	5	.5	15.0
L150 750N	5.2	24.6	86.2	211	.3	24.6	17.1	2795	3.62	14.3	.8	7.5	6.9	15	.5	.7	2.5	37	.14	.095	15	17.7	.41	229	.077	4	2.95	.009	.10	.2	.07	2.7	.2	.08	9	.7	15.0
L150 725N	10.5	39.4	166.0	337	.3	31.2	18.6	1205	3.79	14.0	1.0	14.2	8.1	17	.5	.6	2.4	31	.08	.104	19	16.7	.34	171	.087	2	2.70	.010	.11	.3	.03	3.3	.2	.12	8	.5	7.5
RE L150 725N	10.7	39.9	166.6	354	.3	33.4	20.6	1225	3.85	14.1	1.0	16.2	7.9	17	.5	.6	2.4	30	.07	.107	17	16.4	.33	171	.079	1	2.82	.010	.11	.3	.03	2.8	.2	.08	8	.5	7.5
L150 700N	7.3	27.6	75.5	257	.2	32.6	19.0	828	2.99	12.0	.9	14.8	6.4	16	.4	.5	1.6	26	.08	.092	12	14.0	.33	202	.084	2	3.04	.012	.10	.2	.04	3.0	.2	.06	8	<.5	15.0
L150 675N	50.9	42.8	426.1	156	.4	33.4	18.1	554	6.46	16.1	2.1	33.7	12.1	178	.5	.8	4.7	36	.10	.098	14	19.3	.89	237	.059	1	1.82	.023	.62	.1	.02	5.6	.4	.57	7	1.1	15.0
L150 650N	25.9	55.7	147.6	148	.2	32.8	19.9	696	4.32	22.1	1.3	51.3	11.2	47	.4	.9	3.4	21	.14	.039	17	19.7	.48	125	.037	<1	1.34	.013	.15	.1	.02	3.4	.1	.14	4	.6	15.0
L150 625N	8.6	102.6	126.7	189	.5	41.1	35.5	1202	6.48	38.5	1.4	103.2	11.7	58	.5	1.2	4.4	22	.20	.063	15	14.6	.67	88	.007	<1	1.56	.024	.11	.1	.03	4.0	.1	.17	4	.6	15.0
STANDARD DS6	11.7	121.6	29.7	141	.3	25.0	11.2	713	2.89	21.7	6.7	46.8	3.0	39	6.3	3.7	5.1	57	.88	.083	14	187.7	.58	166	.081	17	1.97	.074	.16	3.5	.23	3.3	1.8	.06	6	4.6	15.0

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data h FA ____ DATE RECEIVED: AUG 18 2005 DATE REPORT MAILED: Sept. 8/05

BRITISH COLUMBIA CERTIFIED ASSAYER C.L. Clarence Leong

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	Se ppm	Sample gm
L150 600N	7.4	74.3	133.0	186	.3	32.4	33.5	1454	5.38	36.2	.9	25.5	8.1	47	.7	1.0	2.6	19	.32	.078	22	14.1	.67	115	.011	2	1.63	.018	.12	.1	.03	3.5	.1	.16	4	.6	7.5
L150 575N	10.0	63.4	237.6	319	.3	33.4	34.0	1818	5.29	30.7	.9	23.9	8.2	42	1.1	1.0	2.9	19	.49	.088	26	14.5	.62	169	.011	3	1.55	.009	.11	.1	.05	4.5	.1	.12	4	.5	15.0
L150 550N	4.9	43.4	178.0	337	.3	18.2	21.8	3984	2.17	17.8	.5	15.5	.9	149	2.8	1.0	2.3	12	2.64	.191	7	8.8	.32	410	.020	13	.84	.006	.14	.1	.23	1.4	.1	.32	2	.8	15.0
L200 750N	2.4	17.3	34.7	130	.2	20.8	14.0	1281	2.73	12.9	1.0	7.4	4.9	15	.3	.4	1.2	30	.10	.081	11	13.1	.24	224	.145	2	4.32	.016	.06	.2	.03	3.7	.2	<.05	10	.5	15.0
L200 725N	4.4	39.3	75.4	208	.1	31.8	18.5	2298	3.71	21.0	.8	6.2	6.5	16	.4	.7	2.5	33	.10	.111	14	19.9	.40	200	.094	3	3.44	.013	.11	.1	.03	3.1	.2	<.05	9	<.5	15.0
L200 700N	4.2	26.4	57.3	166	.1	25.6	14.4	1265	2.96	15.8	.6	4.9	5.6	17	.3	.7	3.3	26	.14	.068	23	17.6	.41	194	.039	1	1.91	.006	.11	.2	.03	2.0	.2	<.05	5	<.5	15.0
L200 675N	6.4	106.8	146.5	255	.2	28.8	27.4	6322	3.59	20.7	1.1	4.0	2.5	50	1.2	1.0	2.4	18	.78	.160	13	12.2	.32	313	.025	3	1.70	.007	.12	.2	.12	2.0	.1	.07	4	1.0	7.5
L200 650N	8.2	97.2	88.5	164	.7	41.8	25.2	2766	6.00	18.6	1.2	207.4	10.6	31	.6	2.0	3.9	15	.27	.077	21	16.1	.49	88	.012	1	1.47	.008	.12	.1	.07	4.1	.1	.07	4	.9	15.0
L200 625N	11.1	50.2	333.3	352	.4	29.9	27.4	1799	4.47	22.1	.8	49.0	10.0	35	1.1	1.3	2.1	18	.35	.070	28	12.4	.41	357	.011	2	1.43	.006	.13	.1	.03	4.3	.1	<.05	3	<.5	15.0
L200 600N	12.9	106.2	236.8	377	.5	41.2	40.1	1833	6.30	39.7	1.0	71.4	10.3	39	1.1	1.3	5.7	16	.34	.093	27	12.4	.55	130	.020	1	1.50	.011	.10	.1	.05	4.7	.1	.08	4	.7	15.0
L200 575N	8.0	49.8	206.4	219	.5	32.3	35.1	1859	3.91	33.7	.7	19.3	5.8	46	1.4	.9	5.1	8	.62	.087	17	8.7	.37	199	.014	3	1.07	.006	.10	.1	.05	3.0	.1	.12	2	.6	7.5
L200 550N	8.0	50.0	445.3	337	.2	25.9	27.3	2675	3.85	23.4	1.9	26.6	6.0	32	1.8	.9	3.5	11	.45	.078	19	7.7	.34	222	.013	2	1.19	.006	.11	.1	.06	3.0	.1	.07	3	.6	7.5
L250 750N	4.0	74.5	171.1	132	.4	36.4	32.5	4601	4.24	15.6	1.2	4.8	6.1	39	1.3	1.0	4.1	12	.36	.100	20	15.1	.59	137	.018	3	1.31	.012	.17	.1	.16	1.9	.1	.13	3	.9	7.5
L250 725N	5.6	27.9	71.6	217	.1	25.9	17.8	3541	3.37	13.6	.8	26.3	5.0	16	.4	.6	1.8	34	.15	.098	14	15.2	.31	188	.088	2	2.47	.010	.09	.1	.04	2.1	.2	<.05	8	<.5	15.0
L250 700N	3.0	16.6	47.8	102	.1	18.7	9.6	1002	2.67	10.5	.5	3.5	3.3	12	.3	.4	1.2	29	.11	.087	9	11.8	.17	137	.090	2	2.16	.014	.06	.2	.03	1.6	.1	<.05	7	<.5	15.0
L250 675N	8.2	76.6	130.1	128	.2	48.1	29.6	2681	5.17	17.3	1.2	8.1	7.0	34	.5	1.1	3.5	16	.17	.062	13	12.3	.41	132	.026	1	1.68	.014	.11	.2	.05	2.2	.1	.07	4	.9	15.0
L250 650N	6.5	70.8	84.6	215	.1	41.1	36.6	6635	3.77	16.2	1.3	3.0	6.7	36	1.5	.7	1.3	27	.37	.088	17	14.6	.32	259	.076	3	2.53	.013	.10	.2	.07	3.1	.2	<.05	7	.6	15.0
L250 625N	7.8	39.9	59.1	156	.1	30.8	16.6	1102	3.45	21.3	1.3	4.4	6.7	25	.4	.8	1.3	20	.16	.039	17	12.9	.45	168	.053	2	1.84	.009	.11	.1	.01	2.2	.1	<.05	5	<.5	15.0
L250 600N	19.7	52.9	483.1	447	.6	29.9	19.8	1045	4.38	25.0	.9	29.3	7.6	23	1.1	1.0	4.0	15	.17	.054	18	9.1	.23	121	.023	1	1.27	.006	.10	.1	.03	3.4	.1	<.05	4	.7	15.0
L250 575N	16.1	39.1	299.1	328	.2	26.3	21.0	1560	3.80	24.2	.8	22.4	6.4	23	.9	.9	2.9	15	.23	.051	18	8.8	.19	152	.024	2	1.17	.004	.12	.1	.04	2.9	.1	<.05	3	<.5	15.0
L250 550N	6.2	34.2	176.2	292	.3	37.3	17.9	1515	3.34	21.7	1.1	29.0	6.5	39	.8	.6	1.4	23	.34	.053	16	11.0	.33	270	.090	4	2.89	.015	.14	.2	.04	3.0	.2	<.05	7	<.5	15.0
L300 750N	8.4	112.0	246.1	318	.9	62.1	35.1	1990	5.99	20.4	2.6	9.9	7.0	118	1.0	1.2	5.2	7	.14	.078	16	8.5	.51	63	.003	1	1.32	.025	.10	.1	.04	1.5	.1	.12	3	.9	15.0
L300 725N	12.3	76.9	53.5	160	.1	54.1	29.4	2791	5.53	18.2	1.7	22.4	9.1	28	.6	1.0	1.5	16	.36	.056	20	11.0	.45	104	.029	2	1.90	.010	.12	.1	.04	3.3	.1	<.05	4	.5	15.0
L300 700N	12.8	61.6	78.1	161	.1	35.4	37.2	5674	4.32	19.5	1.2	7.7	6.9	33	1.0	1.0	1.6	22	.45	.087	19	13.0	.41	258	.025	2	1.57	.010	.12	.2	.10	2.8	.2	<.05	5	.6	7.5
L300 675N	9.1	54.7	56.2	139	.1	38.1	20.0	2207	4.34	29.2	1.2	12.2	8.2	19	.5	1.0	1.3	16	.17	.054	18	10.1	.33	106	.033	1	1.64	.008	.10	.2	.05	2.7	.1	<.05	4	.5	15.0
L300 650N	12.9	56.2	473.7	478	.2	26.3	15.7	1309	3.91	18.6	.8	32.8	7.1	13	.6	1.0	1.2	9	.09	.046	23	6.9	.17	96	.009	<1	1.06	.004	.10	.1	.03	2.1	.1	<.05	3	<.5	7.5
RE L300 650N	12.9	54.9	467.8	501	.2	26.7	15.1	1302	3.93	19.4	.8	14.2	7.3	13	.5	1.0	1.2	11	.09	.048	26	7.1	.18	100	.010	<1	1.13	.005	.10	.1	.03	2.3	.1	<.05	3	<.5	7.5
L300 625N	12.5	56.7	217.9	346	.1	34.2	22.3	1619	4.59	30.2	1.0	91.8	8.3	23	.6	1.1	2.0	16	.13	.057	21	9.8	.26	110	.022	1	1.40	.007	.11	.1	.04	3.1	.1	<.05	4	.6	15.0
L300 600N	11.6	45.7	117.2	238	.1	35.1	20.3	1522	4.27	21.6	1.0	20.0	7.7	23	.6	1.1	1.9	18	.14	.047	18	10.4	.29	167	.038	2	1.71	.007	.14	.1	.02	3.1	.1	<.05	4	.5	15.0
L300 575N	11.2	45.2	142.6	267	.1	43.1	24.6	3153	4.22	22.2	1.3	10.1	7.7	28	1.0	.8	1.4	27	.26	.072	20	13.1	.43	271	.078	4	2.68	.009	.21	.2	.03	3.6	.2	<.05	7	<.5	15.0
L300 550N	10.6	44.3	108.7	246	.4	40.5	20.2	2190	3.55	16.4	1.5	3.9	6.2	33	1.1	.6	1.4	30	.30	.075	18	13.7	.47	517	.109	4	3.36	.013	.18	.1	.05	3.6	.2	<.05	8	.5	15.0
L350 750N	64.8	112.7	45.3	228	.1	61.3	35.4	1397	5.78	44.4	4.6	3.4	10.9	64	.3	1.8	2.0	11	.11	.095	12	10.9	.39	64	.005	<1	1.73	.016	.12	.1	.03	2.1	.1	.10	3	.9	15.0
L350 725N	7.6	43.5	63.5	179	.1	43.3	20.8	1902	3.46	22.6	1.4	2.2	5.4	27	.8	.8	1.0	27	.14	.098	14	13.7	.30	239	.122	2	2.93	.017	.12	.2	.03	2.7	.2	<.05	7	<.5	15.0
L350 700N	6.6	37.3	71.6	209	.1	44.7	17.6	2309	3.32	28.7	1.4	2.0	5.9	32	.9	.8	1.1	32	.22	.102	13	14.4	.29	239	.141	3	3.48	.018	.13	.2	.03	3.1	.2	<.05	9	.5	15.0
STANDARD DS6	11.7	121.9	29.8	140	.3	24.8	10.9	706	2.81	21.1	6.7	48.4	3.1	39	6.2	3.7	5:1	55	.85	.081	13	178.9	.59	165	.076	17	1.92	.074	.16	3.6	.23	3.3	1.8	<.05	6	4.7	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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	Se ppm	Sample gm
L350 675N	21.9	54.0	111.6	248	.4	56.7	27.5	2171	4.70	25.4	1.6	2.9	8.1	26	.9	1.2	2.0	35	.14	.061	17	18.1	.57	218	.085	2	2.43	.011	.15	.1	.03	3.3	.2	<.05	7	<.5	15.0
L350 650N	29.4	64.6	135.1	208	.2	48.3	28.2	2291	5.16	24.0	2.0	7.0	8.8	26	.6	1.5	2.6	31	.16	.058	20	16.6	.57	201	.057	2	2.11	.008	.16	.1	.04	3.3	.2	.06	6	.6	15.0
L350 625N	34.7	66.8	174.0	288	.3	55.5	33.1	3784	5.17	23.9	2.6	23.2	8.4	42	1.7	1.3	3.1	40	.33	.079	24	19.1	.70	372	.086	3	2.95	.009	.21	.2	.05	4.3	.3	<.05	8	.7	15.0
L350 600N	36.0	68.0	134.7	223	.5	49.7	22.9	774	4.54	18.1	1.9	14.8	7.9	31	.7	1.3	3.0	41	.18	.064	18	19.3	.78	214	.106	2	2.99	.015	.18	.1	.04	3.6	.2	<.05	8	.5	15.0
L350 575N	15.7	33.5	108.4	209	.2	43.2	24.4	3063	4.21	18.0	1.3	7.4	6.8	27	1.0	.6	1.9	44	.26	.061	14	16.9	.52	372	.118	3	3.06	.016	.13	.2	.04	3.8	.3	<.05	9	.5	15.0
L350 550N	16.9	36.9	106.0	198	.3	42.1	19.9	2220	3.54	16.0	1.5	6.0	7.1	36	.8	.7	1.9	35	.39	.061	15	15.8	.51	311	.116	3	3.29	.016	.17	.1	.05	3.5	.2	<.05	8	<.5	15.0
L400 750N	17.2	41.7	91.0	198	.1	38.2	23.3	2566	3.49	16.5	1.2	2.2	5.3	35	.6	.9	1.6	28	.32	.098	13	14.7	.42	236	.083	3	2.25	.013	.13	.2	.04	2.3	.2	<.05	7	<.5	15.0
L400 725N	18.8	57.5	128.0	165	.8	41.7	22.4	1190	3.48	17.5	2.2	2.7	7.0	25	.8	.7	2.3	36	.16	.119	19	17.7	.52	207	.148	2	3.98	.018	.14	.2	.06	4.1	.3	<.05	10	<.5	15.0
L400 700N	44.7	63.6	258.2	228	.4	48.6	33.0	2413	4.65	21.0	2.5	1.7	8.1	44	1.0	1.2	4.4	41	.36	.086	24	21.2	.83	292	.119	5	3.06	.016	.24	.2	.04	4.3	.4	<.05	8	.6	15.0
L400 675N	39.0	75.4	251.9	339	.9	51.4	33.5	1521	5.63	16.0	2.8	1.8	8.1	24	1.0	1.3	4.2	41	.14	.128	15	21.8	.69	173	.100	3	3.27	.011	.14	.2	.09	3.9	.4	.08	8	.8	15.0
L400 650N	72.9	91.8	212.3	249	.3	62.1	30.8	1131	6.40	43.4	2.5	12.3	10.4	27	.6	2.1	6.0	42	.23	.060	20	21.3	.80	135	.060	1	2.43	.006	.18	.2	.03	4.2	.3	.07	7	.6	15.0
L400 625N	75.4	94.3	280.3	226	.7	65.6	40.2	1766	6.22	44.1	3.8	59.0	11.0	38	1.1	1.9	6.8	50	.31	.064	28	24.3	.86	216	.095	2	2.65	.009	.35	.2	.03	5.4	.4	.08	8	.6	15.0
L400 600N	65.2	113.2	247.9	233	.7	67.1	44.5	2037	7.09	48.4	3.5	9.7	10.5	32	.9	1.9	5.5	40	.29	.074	25	21.9	.85	153	.075	2	2.28	.007	.29	.2	.06	5.3	.4	.09	7	.8	15.0
L400 575N	41.7	90.4	177.7	224	.3	66.2	44.6	2349	6.83	34.2	3.0	19.3	10.0	27	.9	1.3	3.8	36	.26	.066	24	17.9	.68	212	.077	2	2.41	.008	.20	.2	.05	5.0	.3	.09	7	.6	15.0
L400 550N	20.9	69.4	164.1	279	.3	50.9	37.7	3969	5.12	20.3	2.0	7.3	8.9	35	1.9	.7	3.0	47	.44	.068	22	20.8	.73	317	.090	4	2.73	.010	.17	.2	.07	4.7	.3	<.05	7	.5	15.0
L900 750N	2.4	22.7	369.1	567	.1	28.4	16.3	1441	3.14	16.6	.7	7.9	7.1	15	.8	.7	1.3	20	.15	.043	25	17.5	.39	174	.056	2	2.10	.005	.14	.1	.03	2.3	.1	<.05	5	<.5	15.0
L900 725N	2.9	28.7	103.9	192	.1	34.4	19.4	1677	3.07	24.6	.7	6.3	6.6	24	.5	.6	1.2	20	.33	.047	23	22.2	.40	275	.050	3	2.22	.008	.13	.1	.04	2.3	.2	<.05	6	<.5	15.0
L900 700N	4.4	68.7	117.6	174	.2	36.6	25.6	992	5.28	30.2	.8	64.5	8.0	22	.4	1.8	1.6	13	.28	.081	18	12.2	.27	128	.019	2	1.39	.005	.16	.1	.03	2.6	.1	<.05	3	.5	15.0
L900 675N	2.6	35.3	91.9	120	.1	32.3	17.5	1557	3.27	15.7	.8	33.0	5.7	35	.3	.7	1.0	22	.30	.087	16	14.4	.33	354	.084	4	3.16	.017	.22	.1	.03	2.7	.1	<.05	8	.5	15.0
L900 650N	2.1	33.2	69.8	132	.1	30.4	16.0	2114	3.02	12.6	.9	4.7	6.1	31	.3	.5	.8	22	.29	.083	14	14.7	.30	327	.081	3	2.54	.015	.18	.1	.04	3.2	.2	<.05	7	.5	15.0
L900 625N	2.2	23.6	46.8	124	.1	29.8	15.0	2741	2.99	12.8	.8	3.9	6.1	30	.2	.5	.7	21	.37	.058	17	11.7	.28	386	.078	4	2.93	.014	.19	.1	.03	3.1	.2	<.05	8	<.5	15.0
L900 600N	1.5	24.7	33.6	123	.1	30.5	13.9	1284	2.87	10.7	.7	3.2	5.9	38	.2	.4	.5	21	.35	.088	14	12.3	.25	257	.100	3	3.20	.020	.19	.1	.02	3.1	.1	<.05	8	<.5	15.0
L900 575N	5.0	77.0	88.0	106	.3	36.0	25.6	769	5.05	29.1	.7	34.6	8.2	20	.2	1.4	1.6	13	.22	.069	18	17.3	.48	53	.013	1	.98	.005	.11	.1	.02	3.3	.1	<.05	3	.6	15.0
L900 550N	4.4	66.6	63.6	104	.2	31.5	21.0	781	4.34	34.5	.6	23.5	7.9	22	.2	1.1	1.3	10	.91	.068	17	9.9	.38	49	.006	1	.76	.005	.07	.1	.02	2.8	<.1	<.05	2	.5	15.0
L950 750N	5.5	43.1	42.0	65	.1	26.2	18.1	285	4.14	30.5	.7	57.5	8.1	11	.1	.8	2.4	15	.06	.037	26	13.6	.33	68	.012	1	1.15	.004	.04	.1	.01	3.4	<.1	<.05	3	.6	15.0
L950 725N	5.0	94.7	66.8	112	.2	38.6	23.8	1135	4.41	31.4	.7	23.1	10.5	20	.2	1.1	1.2	21	.32	.043	25	21.7	.42	110	.026	2	1.50	.005	.10	.1	.04	4.8	.1	<.05	4	.5	15.0
L950 700N	3.0	45.9	54.8	82	.1	29.6	18.4	728	3.65	17.2	.7	16.1	7.7	25	.1	.7	1.0	18	.36	.024	18	12.8	.30	180	.061	3	2.48	.010	.13	.1	.03	4.1	.1	<.05	6	<.5	15.0
L950 675N	3.2	72.4	102.5	110	.2	27.4	25.8	3465	3.48	17.7	.7	4.3	5.6	49	.6	.8	1.2	18	.99	.077	18	15.1	.45	283	.031	4	1.68	.007	.16	.1	.10	3.6	.1	.09	5	.5	7.5
RE L950 750N	5.4	42.6	40.0	68	.1	25.7	17.4	250	3.97	30.9	.6	104.4	7.8	11	.1	.8	2.3	14	.05	.037	26	13.0	.29	64	.012	1	1.05	.004	.04	.2	.01	3.2	<.1	<.05	3	.8	15.0
L950 650N	3.1	54.2	183.2	158	.2	22.3	24.8	3182	3.28	17.3	.6	6.6	5.7	45	.8	.6	1.5	13	.65	.088	17	10.8	.36	337	.017	3	1.55	.006	.14	.1	.05	2.8	.1	.08	4	.5	7.5
L950 625N	3.0	38.2	58.5	167	.1	30.5	24.4	4924	3.21	19.5	.8	4.4	6.6	36	.6	.5	1.2	25	.45	.093	18	14.3	.45	540	.068	5	3.10	.015	.14	.1	.05	3.6	.2	.08	7	<.5	15.0
L950 600N	3.0	36.6	70.7	279	.2	34.3	22.8	4503	3.19	26.2	1.0	6.2	5.8	64	1.1	.6	2.5	25	.78	.251	15	13.9	.32	600	.085	5	2.99	.016	.14	.1	.07	3.4	.2	<.05	8	.6	15.0
L950 575N	6.1	62.2	60.1	156	.2	41.5	24.0	1419	5.06	35.3	1.0	10.8	11.2	17	.3	1.2	1.0	15	.31	.061	21	8.7	.24	113	.038	3	2.07	.007	.17	.1	.03	4.3	.1	<.05	5	.5	15.0
L950 550N	3.2	33.9	44.1	123	.1	30.6	21.3	3259	3.17	19.9	.9	66.3	4.9	48	.6	.6	.7	16	.92	.074	12	10.3	.25	305	.050	6	2.39	.013	.17	.1	.05	3.3	.1	.10	5	<.5	15.0
STANDARD DS6	11.5	122.3	29.8	140	.3	24.8	11.0	711	2.86	21.2	6.7	46.9	3.0	39	6.3	3.6	5.1	56	.86	.080	13	183.6	.59	163	.077	18	1.91	.072	.16	3.5	.23	3.3	1.8	<.05	6	4.7	15.0

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA