BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	2000/2001
REPORT #:	PAP 00-14
NAME:	BRUCE DOYLE

SNOWWATER CREEK PROJECT
(SC)

P46

Silver Lynx Property
Nelson Mining Division
BCGS O82F-043

The Silver Lynx prospect is located 25 kilometres southwest of Nelson, British Columbia between the branches of Rover and Snowwater Creeks. This prospect is a newly discovered polymatelic massive sulfide occurrence discovered by Bruce Doyle while prospecting on his government grant program.

The property is underlain by southwest dipping quartzite ? and argillaceous quartzite sediments of the Ymir group (lower Jurassic, upper Triassic) in age which has been intruded by middle and late Jurassic porphyritic granite and middle eocene biotite augite monzonite intrusion.

The mineralization on this property consists of massive disseminated and fracture filled pyrrhotite, pyrite, chalcopyrite black sphalerite, galena and locally arsenopyrite and magnetite. This mineralization is hosted within metamorphosed quartz rich sediments with actinolite and biotite being noted. Massive sulfides trend approximately 110-120 with the foliation and bedding of the host rock. Several areas within this felsic unit have an appearance similar to a lipilli tuff but this may be due to brecciation and squeezing of individual fragment.

This mineral prospect appears to be concordant in nature and may represent syngenetic metalliferous sediments that have been thermally metamorphosed by later intrusions. This mineralized horizon has been traced for over 800m by geochemistry and is still open in both directions. This prospect has not been classified due to the complexities involved.

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential subject to the provisions of the *Freedom of Information Act*.

Name Bruce Doyle Reference Number 2000/2001 #46

LOCATION/COMMODITIES

Project Area (as listed in Part A) SNOWWATER CREEK MINFILE No. if applicable

Location of Project Area NTS 82F/6W 082F043 Lat 49°25'N Long 117°26'30"

Description of Location and Access Drive 12 km west of Nelson B.C. to the start of the Rover creek forestry road. Then travel up the main Rover creek road for 9km, Then take the upper Rover creek road for another 2.5km.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For Cu Ni Zn Pb Ag Au

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) Approx 1 Km x 1.5 Km
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples) Stream Sediment (5) Rock (25) Soil (134)
4. Geophysical (type and line km)
5. Physical Work (type and amount) 26 claims staked Total
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name SILVER LYNX Group Commodities Zn, Ag, Pb, Cu, Au

Location (show on map) Lat. 49°25'N Long 117°26'30" Elevation 4000' 1219M

Best assay/sample type 24.59% Zn 12.35% Pb 0.219% Cu 556.4 ppm Ag Select grab of massive sulfides from road cut material

Description of mineralization, host rocks, anomalies SILVER LYNX property consits of massive and disseminated pyrrhotite, pyrite, chalcopyrite, blacksphalerite, galena and locally arsenopyrite and magnetite. Mineralization appears to follow bedding but cross fracture filling is common. Host rocks appear to be metamorphosed sediments possibly quartzite and argillaceous quartzite. an 800m Zn, Pb, Ag Cu Anomaly has been outlined and appears to be open along strike, with Zinc being the main mineral.

FEEDBACK: comments and suggestions for Prospector Assistance Program

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary).
- **Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.**

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name Bruce Doyle Reference Number 2000/2001/p46

1. **LOCATION OF PROJECT AREA** [Outline clearly on accompanying maps of appropriate scale.]

The snowwater (SC) project area is Located 7.5km Southwest of Nelson, B.C. and is Situated between the forks of Rover & Snowwater Creeks at an ELEV of 4000'. Lat 49°25'N Long 117°26'30"

2. **PROGRAM OBJECTIVE** [Include original exploration target.]

The original exploration target for this project was a regional Geochemical anomaly High in Ni, Cr, Co, Cu within the ymir group Sediments of Triassic / Jurassic age. After finding high grade Zn pb Ag in outcrop the exploration became focused on prospecting this new disovery.

3. **PROSPECTING RESULTS** [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

There are six showings on the Silver Lark property, 5 showings are displayed on the 1:5000 map of the rock sample locations and the 6th is Located in Snowwater Creek on the 1:20000 scale claim map. The first Site I will talk about is the massive Sulfide outcrop on the edge of road, Known as East road Showing. This Sulfide outcrop contains Fine grained massive pyrrhotite, galena, black Sphalerite, Chalcopyrite and trace amounts of arsenopyrite. This mineralization appears to strike the Same direction as the bedding in the rock Approx 110°. There are cross fractures that have mineralization in them also. The host for the mineralization appears to be a quartz rich Sediment that has been Sheared and replaced with massive Sulfides, felsic clasts can STILL be seen in the massive Sulfides. The outcrop is Approx 1.3m wide and can be traced Approx 20m then it goes under the Logging road. Dark amphibole minerals have been Noted in the mineralized Sediments. One Sample was assayed from this location a Chip Sample 21cm wide across galena and Shalerite bands within this outcrop

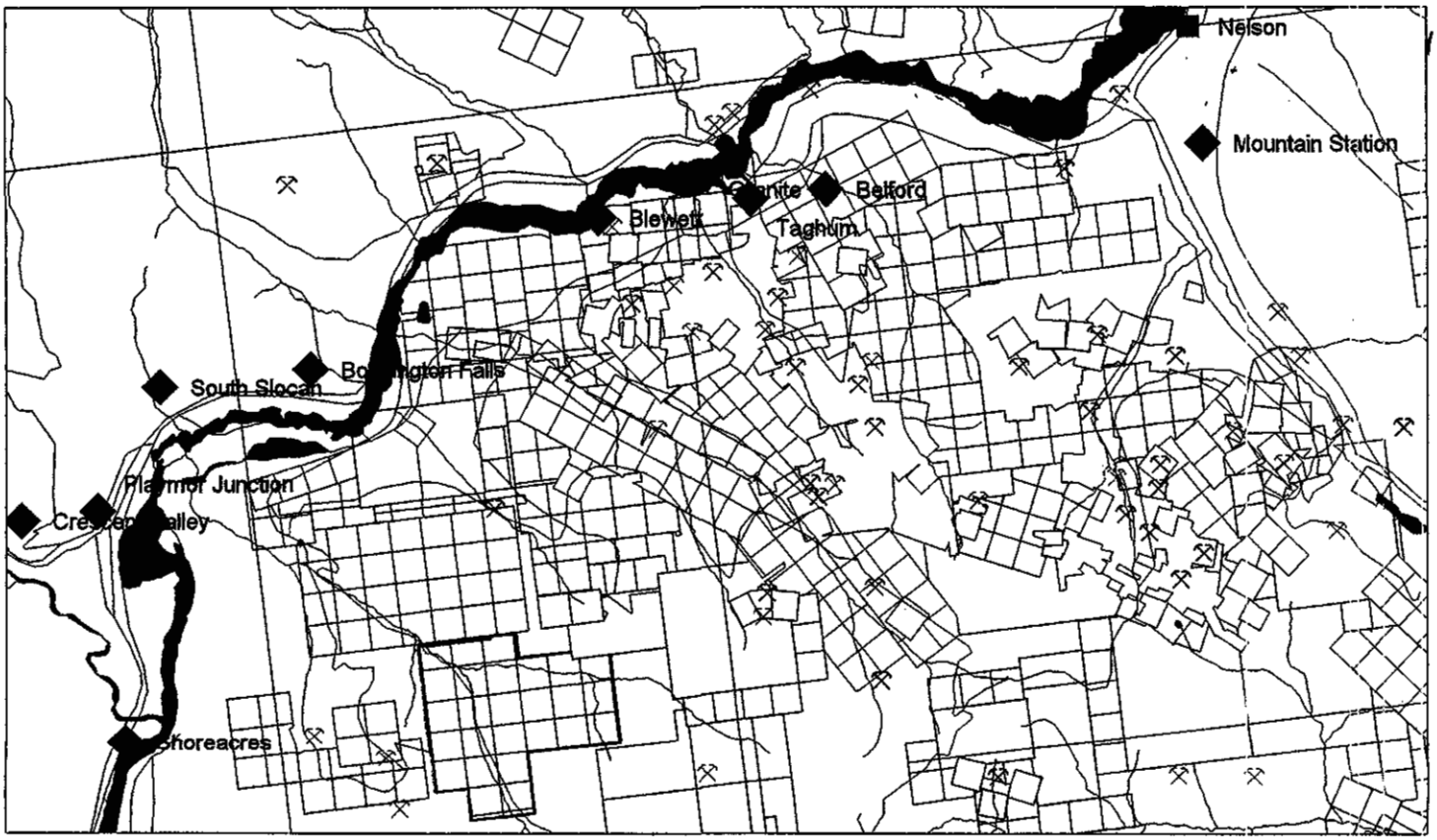
D. TECHNICAL REPORT (continued)

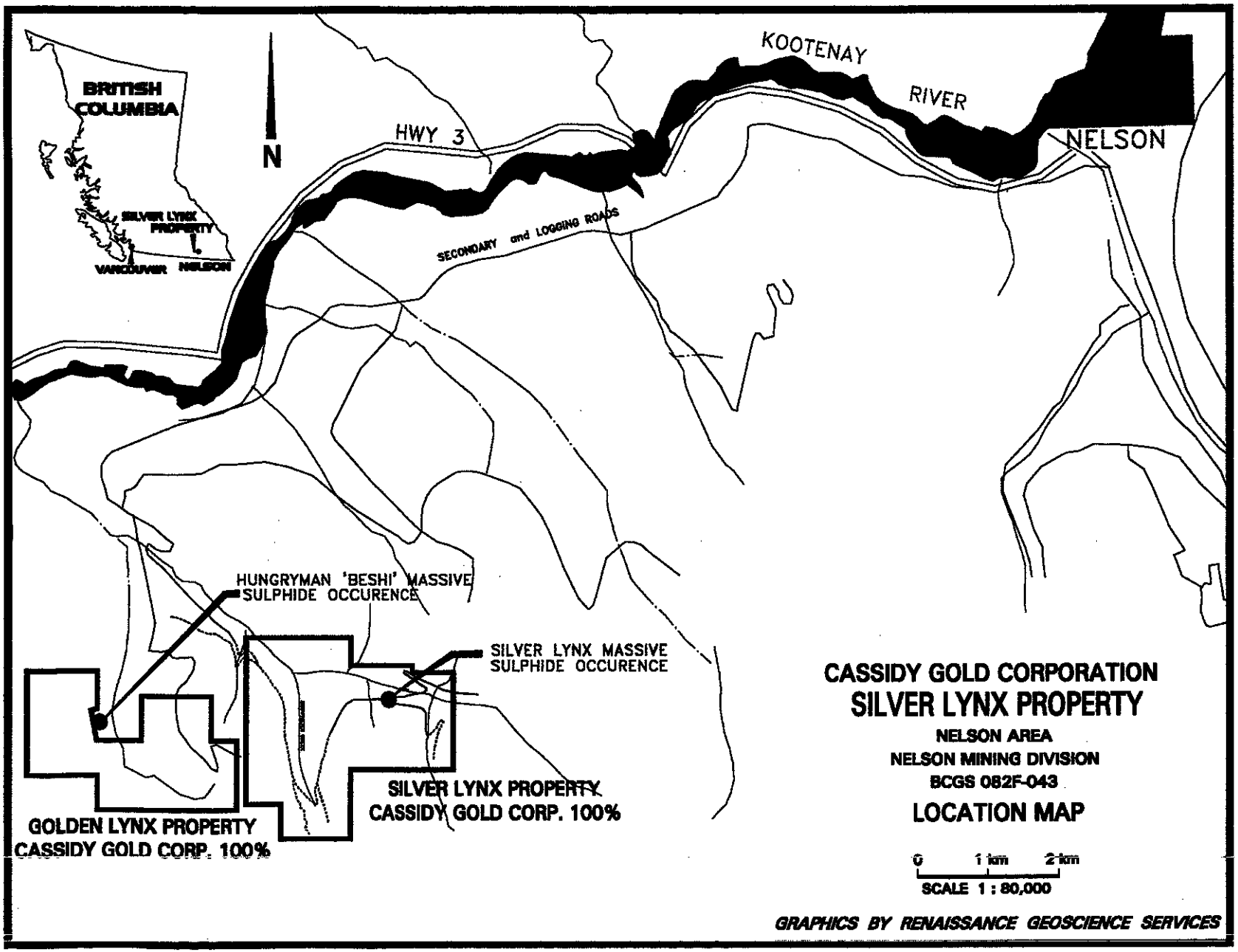
REPORT ON RESULTS (continued)

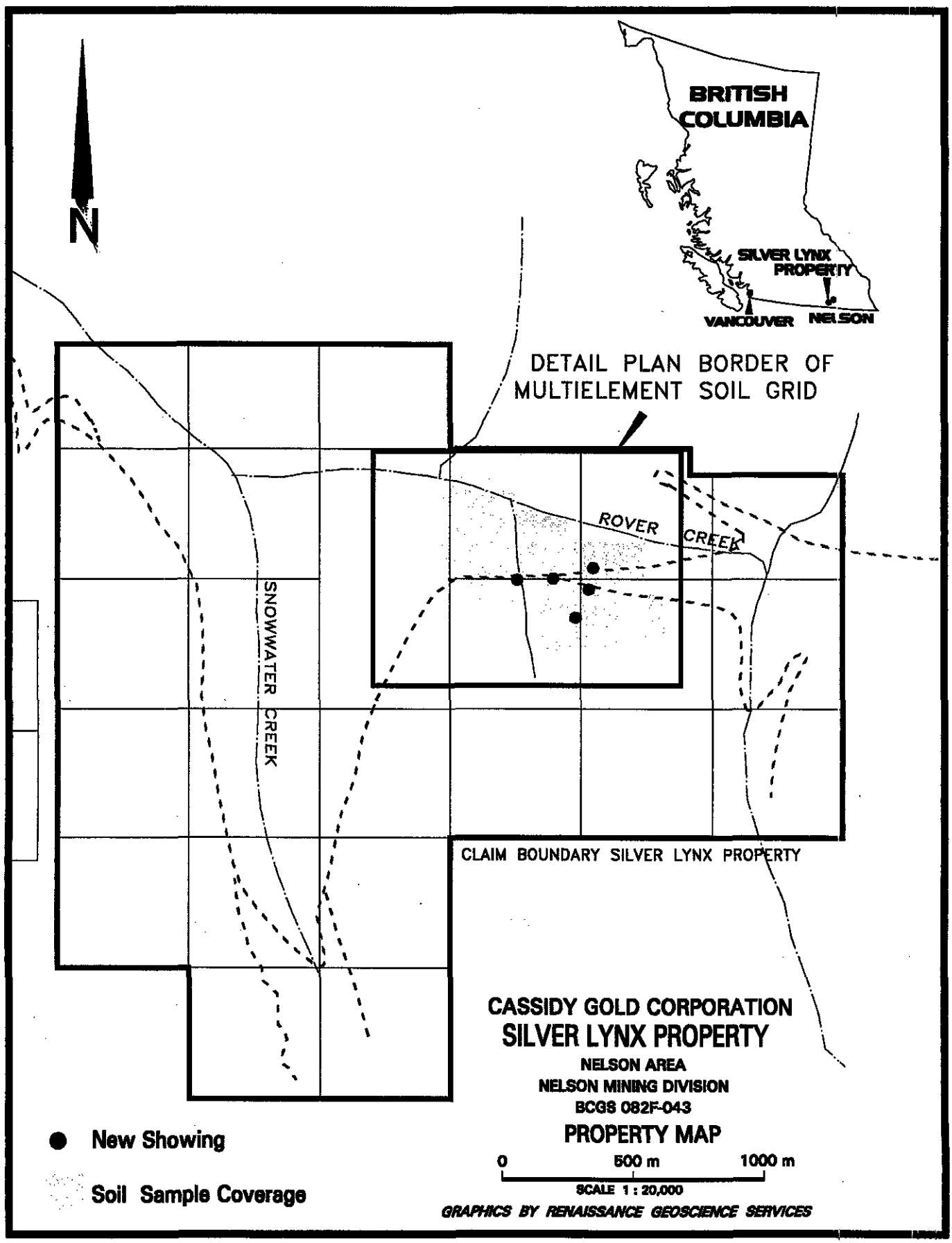
3. PROSPECTING RESULTS (continued)

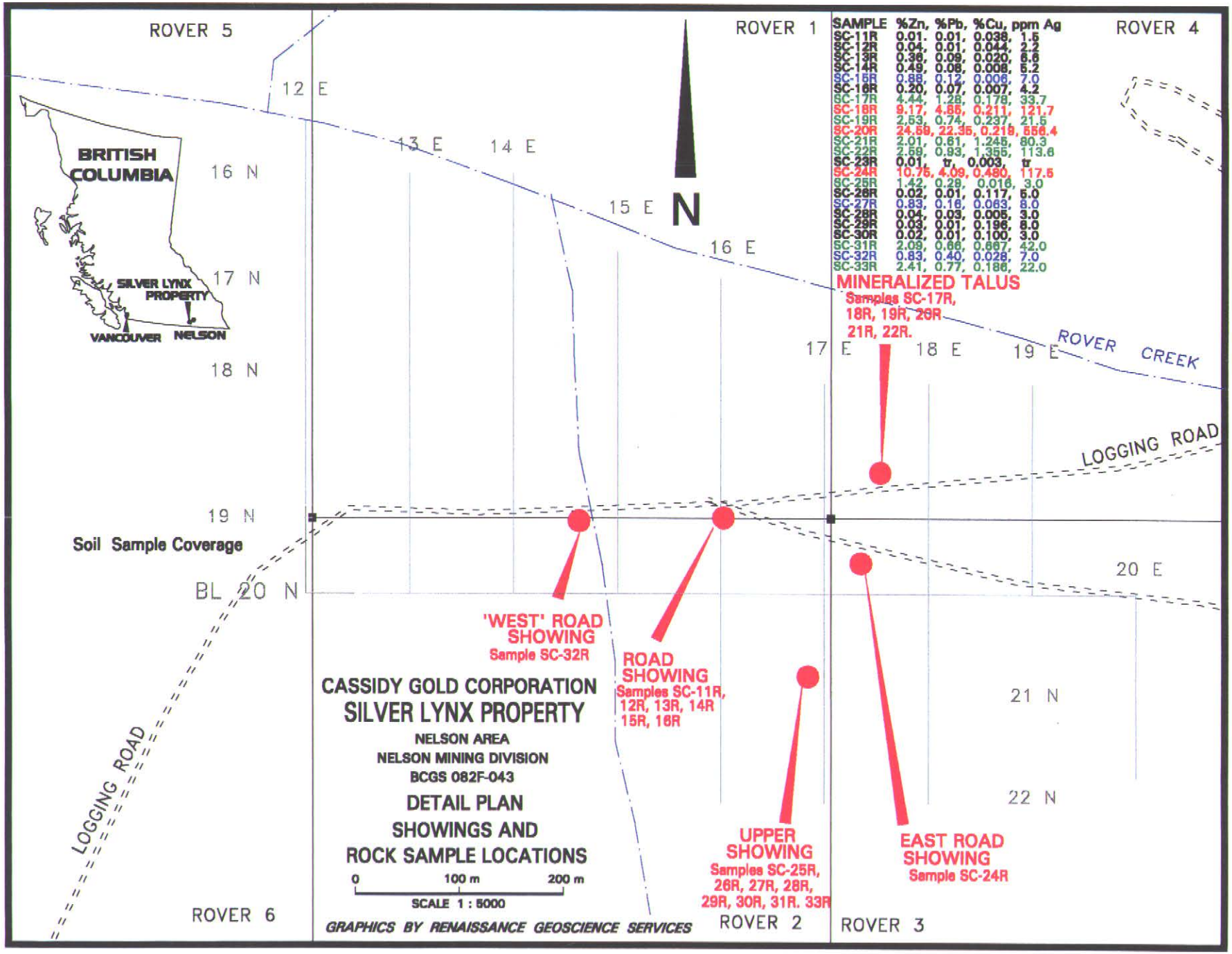
gave 10.75% Zn 4.09% pb .480% Cu 117.5 ppm Ag. The second Showing is Located just to the North of the last Showing and is called the Talus showing. This Showing is made up of material that has been Blasted out of the road bed. Many massive Sulfides boulders are located here. Many of the Sulfide boulders are of higher grade than the east road Showing and were probably dug out of the road further along Strike. Several Samples were taken, a select Sample of Galena & Sphalerite from one boulder returned 24.5% Zn 22.35% pb .219% Cu 556.4 ppm Ag. The third Showing is called the upper Showing and contains massive and dissiminated pyrrhotite and lesser amounts of Chalcopyrite, Sphalerite and trace galena. There is a old workings here approx 7m wide and is open cut several meters into the side of the hill. The mineralization tends to be in cross fractures but banded pyrrhotite with mineralization has been noted. one Sample found on the dump contained Coarse magnetite. The mineralization tends to be of lower grade and Samples taken returned up to 2.41% Zn .77% pb .186% Cu 22.0 ppm Ag. The fourth Showing is called the road Showing and is located on Line 16E. This was the first outcrop discovered and is located within argillaceous quartzite. This Showing has a breccia look to it almost appears like a Lippilli tuff unit. assays taken at this site were low due to over burden and good samples could not be obtained. The fifth outcrop is located down the road from the road Showing and is called the west road showing. This is a very small outcrop on the edge of the road, that needs to be trenched to reach freesh rock. The mineralization consists of fine grained black Sphalerite, galena, Chalcopyrite disseminated and fracture Filled bedding plains. One sample taken Contained 30 Fractures per cm that were parelled with relic bedding? one Sample taken at this Location returned .83% Zn .4% pb .028% Cu 7.0 ppm Ag. The last outcrop occurs in Snowwater creek and is located as Sample No. 03R. This outcrop is Approx 2m wide and is a felsic Sediment Containing bands of massive pyrrhotite with trace amounts of Chalcopyrite. one sample gave .069% Ni, .112% Cu 2gm/t Ag.

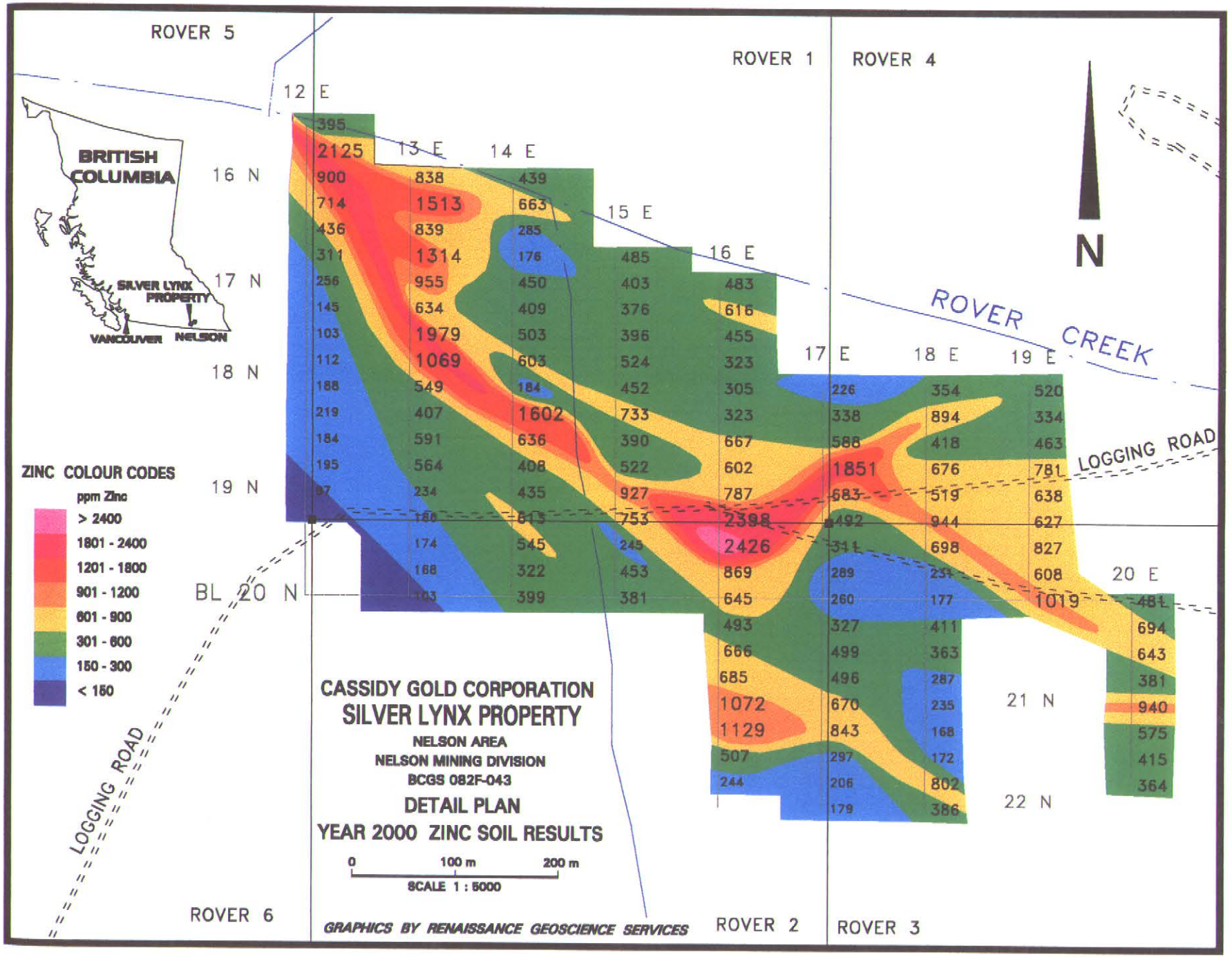
B.C. Ministry of Energy and Mines

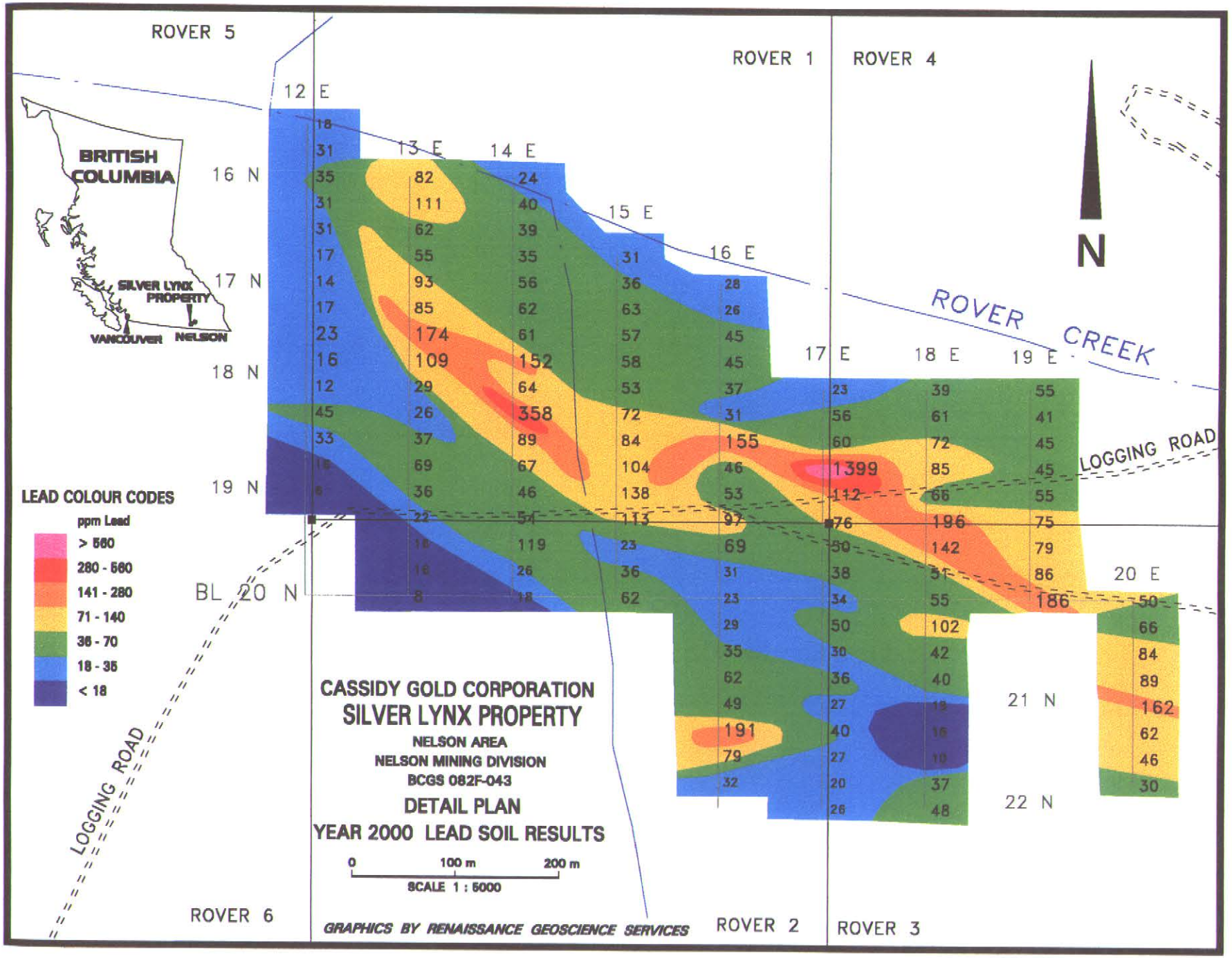



BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
N
HWY 3
KOOTENAY
RIVER
NELSON
SECONDARY and LOGGING ROADS
HUNGRYMAN 'BESHI' MASSIVE SULPHIDE OCCURENCE
SILVER LYNX MASSIVE SULPHIDE OCCURENCE
SILVER LYNX PROPERTY
CASSIDY GOLD CORP. 100%
GOLDEN LYNX PROPERTY
CASSIDY GOLD CORP. 100%
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
LOCATION MAP
0 1 km 2 km
SCALE 1 : 80,000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


N
BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
DETAIL PLAN BORDER OF MULTIELEMENT SOIL GRID
ROVER CREEK
SNOWWATER CREEK
CLAIM BOUNDARY SILVER LYNX PROPERTY
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
PROPERTY MAP
0
500 m
1000 m
SCALE 1 : 20,000
New Showing
Soil Sample Coverage
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


ROVER 5
ROVER 1
ROVER 4
ROVER 6
ROVER 2
ROVER 3
12 E
13 E
14 E
15 E
16 E
17 E
18 E
19 E
16 N
17 N
18 N
19 N
BL 20 N
20 E
21 N
22 N
N
BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
ROVER CREEK
LOGGING ROAD
LOGGING ROAD
Soil Sample Coverage
SAMPLE %Zn, %Pb, %Cu, ppm Ag
SC-11R 0.01, 0.01, 0.038, 1.5
SC-12R 0.04, 0.01, 0.044, 2.2
SC-13R 0.36, 0.09, 0.020, 6.6
SC-14R 0.49, 0.08, 0.008, 5.2
SC-15R 0.88, 0.12, 0.006, 7.0
SC-16R 0.20, 0.07, 0.007, 4.2
SC-17R 4.44, 1.28, 0.178, 33.7
SC-18R 9.17, 4.85, 0.211, 121.7
SC-19R 2.53, 0.74, 0.237, 21.5
SC-20R 24.59, 22.35, 0.219, 556.4
SC-21R 2.01, 0.61, 1.245, 80.3
SC-22R 2.69, 0.93, 1.355, 113.6
SC-23R 0.01, tr, 0.003, tr
SC-24R 10.75, 4.09, 0.480, 117.5
SC-25R 1.42, 0.29, 0.016, 3.0
SC-26R 0.02, 0.01, 0.117, 5.0
SC-27R 0.83, 0.16, 0.063, 8.0
SC-28R 0.04, 0.03, 0.005, 3.0
SC-29R 0.03, 0.01, 0.196, 8.0
SC-30R 0.02, 0.01, 0.100, 3.0
SC-31R 2.09, 0.66, 0.667, 42.0
SC-32R 0.83, 0.40, 0.028, 7.0
SC-33R 2.41, 0.77, 0.186, 22.0
MINERALIZED TALUS
Samples SC-17R, 18R, 19R, 20R 21R, 22R.
'WEST' ROAD SHOWING
Sample SC-32R
ROAD SHOWING
Samples SC-11R, 12R, 13R, 14R 15R, 16R
UPPER SHOWING
Samples SC-25R, 26R, 27R, 28R, 29R, 30R, 31R. 33R
EAST ROAD SHOWING
Sample SC-24R
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
DETAIL PLAN
SHOWINGS AND
ROCK SAMPLE LOCATIONS
0 100 m 200 m
SCALE 1 : 5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


ROVER 5
ROVER 1
ROVER 4
ROVER 6
ROVER 2
ROVER 3
12 E
13 E
14 E
15 E
16 E
17 E
18 E
19 E
20 E
16 N
17 N
18 N
19 N
BL 20 N
21 N
22 N
BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
N
ROVER CREEK
LOGGING ROAD
LOGGING ROAD
ZINC COLOUR CODES
ppm Zinc
> 2400
1801 - 2400
1201 - 1800
901 - 1200
601 - 900
301 - 600
150 - 300
< 150
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
DETAIL PLAN
YEAR 2000 ZINC SOIL RESULTS
0
100 m
200 m
SCALE 1 : 5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


ROVER 5
ROVER 1
ROVER 4
ROVER 6
ROVER 2
ROVER 3
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15 E
16 E
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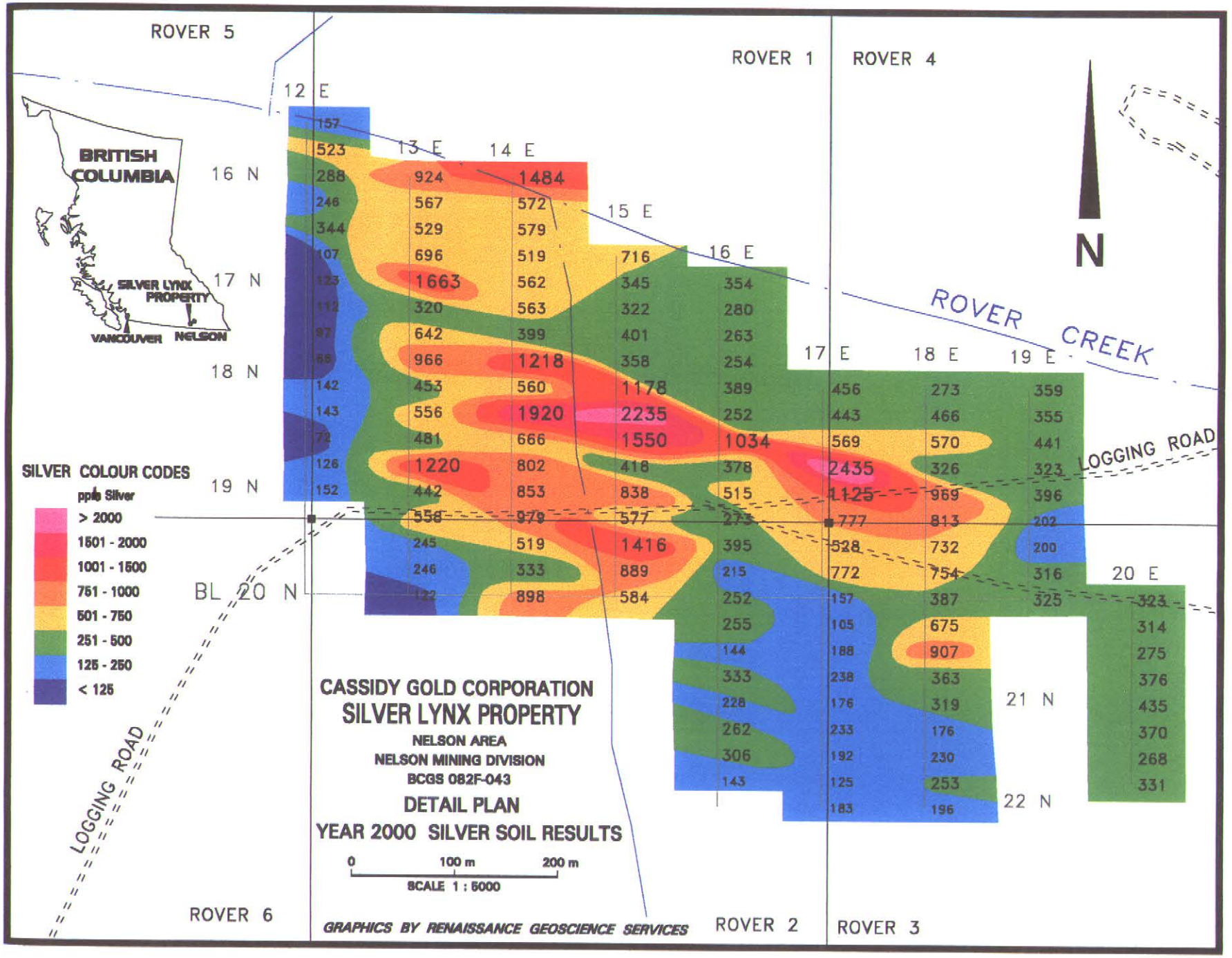
18 E
19 E
16 N
17 N
18 N
19 N
BL 20 N
20 E
21 N
22 N
N
BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
ROVER CREEK
LOGGING ROAD
LOGGING ROAD
LEAD COLOUR CODES
ppm Lead
> 560
280 - 560
141 - 280
71 - 140
36 - 70
18 - 35
< 18
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
DETAIL PLAN
YEAR 2000 LEAD SOIL RESULTS
0
100 m
200 m
SCALE 1 : 5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


ROVER 5
ROVER 1
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ROVER 6
ROVER 2
ROVER 3
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BL 20 N
21 N
22 N
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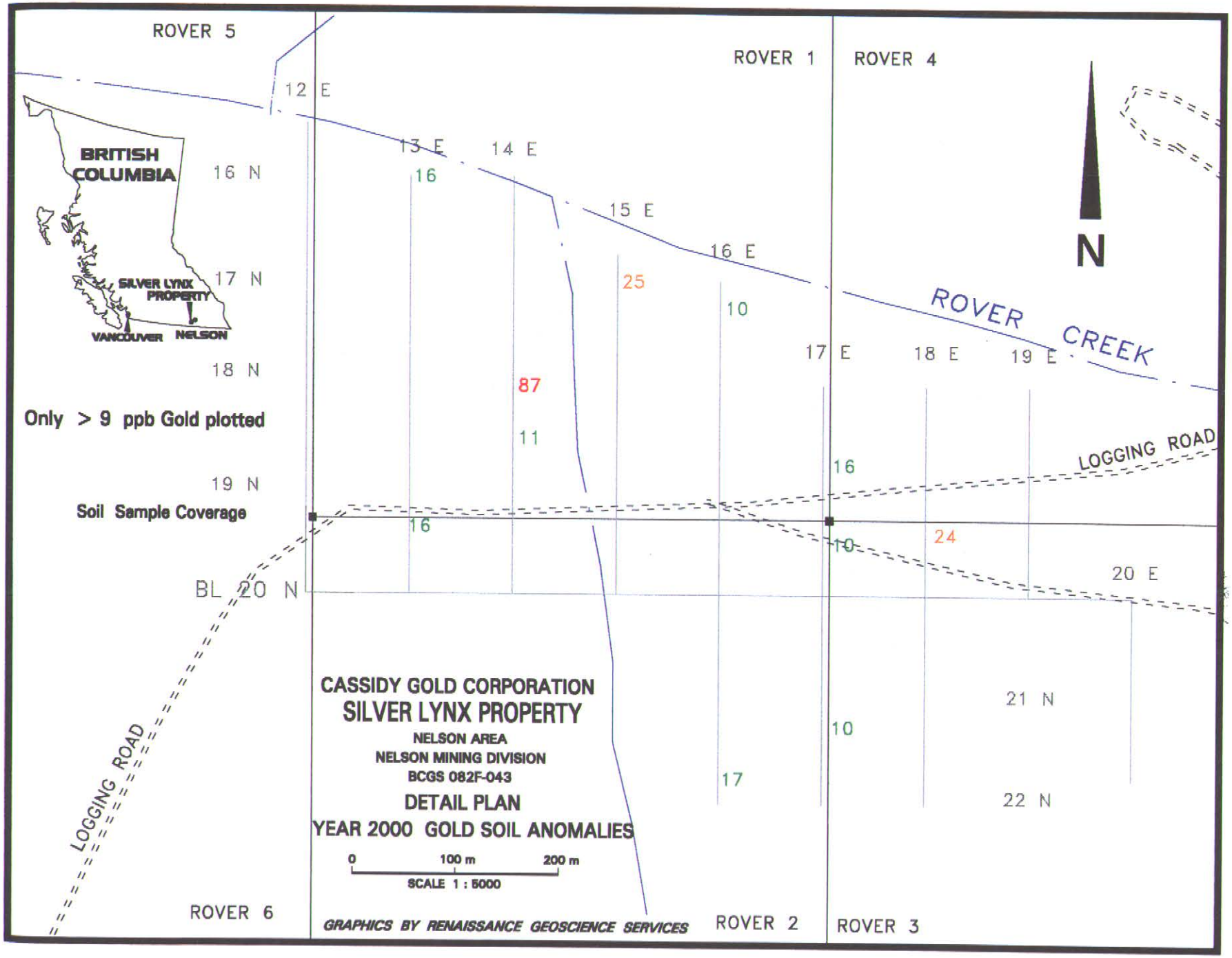
BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
ROVER CREEK
LOGGING ROAD
LOGGING ROAD
SILVER COLOUR CODES
ppb Silver
> 2000
1501 - 2000
1001 - 1500
751 - 1000
501 - 750
251 - 500
125 - 250
< 125
157 523 288 246 344 107 123 112 97 88 142 143 72 126 152
924 567 529 696 1663 320 642 966 453 556 481 1220 442 558 245 246 122
1484 572 579 519 562 563 399 1218 560 1920 666 802 853 979 519 333 898
716 345 322 401 358 1178 2235 1550 418 838 577 1416 889 584
354 280 263 254 389 252 1034 378 515 273 395 215 252 255 144 333 228 262 306 143
456 443 569 2435 1125 777 528 772 157 105 188 238 176 233 192 125 183
273 466 570 326 969 813 732 754 387 675 907 363 319 176 230 253 196
359 355 441 323 396 202 200 316 325
323 314 275 376 435 370 268 331
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
DETAIL PLAN
YEAR 2000 SILVER SOIL RESULTS
0 100 m 200 m
SCALE 1 : 5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES


ROVER 5
ROVER 1
ROVER 4
12 E
13 E
14 E
15 E
16 E
17 E
18 E
19 E
20 E
16 N
17 N
18 N
19 N
20 N
21 N
22 N
BRITISH COLUMBIA
SILVER LYNX PROPERTY
VANCOUVER
NELSON
Only > 9 ppb Gold plotted
Soil Sample Coverage
ROVER CREEK
LOGGING ROAD
LOGGING ROAD
16
25
10
87
11
16
16
10
24
10
17
CASSIDY GOLD CORPORATION
SILVER LYNX PROPERTY
NELSON AREA
NELSON MINING DIVISION
BCGS 082F-043
DETAIL PLAN
YEAR 2000 GOLD SOIL ANOMALIES
0
100 m
200 m
SCALE 1 : 5000
GRAPHICS BY RENAISSANCE GEOSCIENCE SERVICES
N
ROVER 6
ROVER 2
ROVER 3

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

ASSAY CERTIFICATE

Doyle, Bruce File # A003737

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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 %	Au** gm/mt
SC-03R	.001	.112	<.01	<.01	2.0	.069	.009	.01	11.77	<.01	.001	<.001	<.001	<.01	.25	.033	.002	.15	.35	.02	.22	<.001	<.001	.01
SC-10R	.001	.418	.01	.02	42.2	.008	.001	.02	2.17	<.01	.002	.001	<.001	<.01	.67	.098	.003	.20	.51	.06	.04	.001	<.001	.14
SC-11R	.001	.038	<.01	.01	1.5	.004	.002	.02	2.84	<.01	.004	<.001	<.001	<.01	1.24	.066	.003	.09	1.23	.08	.05	.001	<.001	.12
SC-12R	.002	.044	.01	.04	2.2	.002	.001	.02	2.06	<.01	.004	.001	<.001	<.01	.94	.082	.005	.21	.96	.07	.11	.001	<.001	.07
SC-13R	.003	.020	.09	.36	6.6	.006	.001	.04	2.27	.10	.004	.003	.001	<.01	1.02	.039	.003	.34	1.92	.07	.37	<.001	<.001	.03
SC-14R	.003	.008	.08	.49	5.2	.005	.001	.06	2.23	.15	.002	.005	.002	<.01	.74	.042	.003	.65	1.79	.06	.50	.001	<.001	.04
SC-15R	.003	.006	.12	.88	7.0	.006	.001	.06	2.07	.25	.003	.008	.001	<.01	.61	.050	.002	.60	1.56	.05	.41	<.001	<.001	.03
SC-16R	.002	.007	.07	.20	4.2	.005	.001	.07	2.26	.01	.003	.002	<.001	<.01	.58	.033	.003	.74	1.60	.13	.52	<.001	<.001	.01
SC-17R	.003	.178	1.28	4.22	33.7	.010	.017	.17	17.09	.01	.001	.036	.002	<.01	.89	.078	.001	.89	1.15	.08	.25	<.001	.001	.03
SC-18R	.004	.211	4.85	9.17	121.7	.001	.019	.15	6.80	.31	.002	.083	.007	<.01	.74	.588	.001	.74	.99	.10	.15	.001	<.001	.13
RE SC-18R	.004	.206	4.73	8.92	118.7	.001	.017	.14	6.57	.29	.002	.081	.008	<.01	.72	.084	.002	.71	.94	.07	.11	<.001	<.001	.19
SC-19R	.001	.237	.74	2.53	21.5	.028	.036	.33	32.73	.48	.001	.020	.001	<.01	1.55	.047	.001	.83	1.03	<.01	.22	<.001	.002	.06
SC-20R	.002	.219	22.35	24.59	556.4	.005	.015	.19	10.37	.01	.004	.226	.027	<.01	.47	.031	.001	1.06	1.15	<.01	.11	<.001	<.001	.15
SC-21R	.002	1.245	.61	2.01	80.3	.015	.041	.25	22.94	1.45	.001	.015	.001	<.01	.88	.061	.001	.79	.89	.03	.13	.001	<.001	.35
SC-22R	.001	1.355	.93	2.59	113.6	.009	.046	.13	17.48	1.96	.001	.021	.002	<.01	.61	.054	.001	.61	.62	.02	.03	.002	<.001	.47

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AG** & AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 25 2000 DATE REPORT MAILED: Oct 4/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A003867

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
SC-04S	1.14	65.88	15.88	117.2	160	623.5	65.8	1397	6.49	3.4	3.1	173.7	7.1	111.3	.39	.14	.31	59	1.42	.575	46.9	160.8	10.26	223.2	.079	7	1.41	.021	.29	.8	3.3	.20	<.01	22	.3	.02	4.6	15
SC-05S	1.89	51.04	21.63	131.1	179	485.8	53.0	1340	6.08	4.7	6.1	14.8	6.1	110.2	.69	.27	.32	77	1.37	.455	39.3	129.4	8.36	228.0	.093	5	1.60	.018	.24	1.5	3.3	.18	.02	43	.8	.03	5.2	15
SC-06S	1.23	39.09	16.54	117.0	307	542.2	56.1	1295	7.80	4.4	4.5	1185.5	8.7	120.0	.53	.19	.29	113	1.57	.684	53.9	97.6	8.85	144.6	.059	4	.95	.015	.24	4.0	2.6	.13	.02	18	.8	.04	4.0	15
SC-07S	2.12	46.39	21.70	149.1	177	563.4	52.1	1130	5.74	16.1	3.9	10.4	7.2	114.0	1.18	.16	.11	93	1.21	.350	40.1	173.4	8.20	490.5	.215	6	1.80	.019	.73	.8	3.6	.35	.01	9	.8	<.02	7.1	15
SC-08S	2.25	50.62	26.62	155.6	234	563.8	52.3	1152	5.96	19.2	5.9	3.9	8.5	145.1	1.51	.24	.14	96	1.46	.409	49.3	185.4	8.18	514.6	.234	7	1.91	.024	.77	1.1	3.8	.40	.01	28	1.2	.02	7.6	15
RE SC-08S	2.35	51.50	26.69	157.0	258	570.5	53.4	1158	5.91	18.8	6.1	23.9	8.4	137.5	1.58	.25	.14	98	1.41	.368	45.1	191.2	8.22	539.2	.249	7	1.97	.025	.81	1.0	3.8	.41	.02	29	1.2	.03	7.8	15
STANDARD OS2	14.37	126.62	33.14	160.5	257	34.6	11.4	859	2.94	61.3	19.2	191.8	3.5	27.5	9.98	9.68	10.64	79	.52	.090	15.1	155.1	.59	172.5	.093	2	1.65	.028	.15	7.8	2.9	1.81	.01	228	2.3	1.85	5.8	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 DATE REPORT MAILED: Oct 13/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A004031 Page 1

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
12+00E 19+00N	11.77	53.17	6.11	96.7	152	138.5	40.1	403	4.95	74.7	7.6	.9	5.5	46.7	.26	.39	.20	198	.85	.163	12.0	140.2	1.94	200.7	.302	3	2.67	.025	.57	1.7	3.2	.23	.10	30	2.6	<.02	10.1	15
12+00E 18+75N	.79	22.20	15.74	194.7	126	293.8	33.7	900	3.29	12.5	.6	1.5	3.9	41.2	.51	.73	.26	57	.56	.210	7.4	97.1	2.78	268.7	.228	5	1.70	.013	.19	.2	2.2	.16	.02	26	.1	<.02	7.2	15
12+00E 18+50N	.81	16.44	32.57	183.8	72	203.9	24.1	771	2.61	12.8	.5	1.4	4.1	27.7	1.28	1.19	.28	45	.29	.290	7.9	73.6	1.69	265.7	.171	2	1.94	.018	.13	.3	2.3	.14	.01	59	<.1	.04	7.1	15
12+00E 18+25N	.71	11.88	45.31	219.9	143	143.0	22.5	895	2.28	11.1	.5	1.7	3.5	33.7	1.43	1.21	.32	34	.42	.516	6.2	67.3	1.07	527.3	.158	3	1.78	.014	.14	.3	2.2	.13	.02	54	.1	.02	6.9	15
12+00E 18+00N	.65	15.77	15.76	188.8	142	181.3	24.5	464	2.67	16.0	.5	1.5	3.8	31.7	.88	.95	.22	43	.38	.584	5.8	73.3	1.39	406.4	.161	2	2.28	.011	.14	.3	2.6	.12	<.01	39	.3	.02	7.7	15
12+00E 17+75N	.55	26.26	22.74	112.4	66	295.9	32.9	714	3.46	8.3	.6	1.7	4.5	34.4	.66	.86	.14	71	.50	.125	11.1	132.0	3.45	234.3	.232	3	1.67	.010	.42	.3	2.9	.29	.01	30	.3	.02	6.4	15
12+00E 17+50N	.73	29.60	16.60	102.6	97	213.1	24.9	434	2.96	8.4	.7	.8	12.8	38.4	.30	.65	.14	73	.64	.183	20.4	125.3	2.64	201.9	.252	2	1.68	.011	.35	.5	2.6	.26	.01	28	.2	<.02	7.6	15
12+00E 17+25N	.62	15.52	13.66	145.2	112	177.2	28.2	462	2.74	13.1	.4	.4	3.2	20.2	.62	.50	.17	54	.21	.264	6.0	95.6	1.55	236.1	.212	2	1.77	.009	.15	.3	2.3	.13	<.01	33	.3	.02	7.7	15
12+00E 17+00N	.51	21.29	17.00	256.7	123	381.4	44.5	857	3.83	14.9	.6	.8	6.6	32.4	1.21	.90	.16	56	.39	.348	7.9	134.6	3.12	421.1	.245	4	2.05	.010	.22	.4	2.4	.15	<.01	24	.4	<.02	8.3	15
12+00E 16+75N	.44	41.70	13.53	311.2	107	403.4	37.6	646	3.95	18.4	1.3	.4	7.3	31.6	.60	.51	.12	77	.52	.127	17.5	160.1	3.91	201.5	.243	5	1.94	.010	.35	.5	3.2	.29	<.01	27	.4	<.02	7.3	15
12+00E 16+50N	.59	52.06	16.78	435.5	344	497.2	41.1	694	4.32	24.0	2.6	1.6	6.9	43.5	1.39	.56	.15	90	.57	.095	22.4	178.5	4.00	214.8	.262	6	2.10	.011	.40	.5	3.7	.34	.01	37	.8	<.02	8.0	15
12+00E 16+25N	.86	30.81	24.14	714.0	246	225.5	26.9	562	3.01	27.6	1.0	1.8	5.0	32.3	1.86	.59	.25	65	.35	.178	9.2	105.1	1.59	287.8	.217	2	2.34	.013	.13	.3	3.1	.13	<.01	35	.6	.02	8.7	15
12+00E 16+00N	.81	31.30	34.74	899.6	288	145.9	17.9	472	2.51	32.9	.9	2.8	4.1	34.6	3.51	.71	.27	66	.39	.113	12.5	77.5	1.53	170.9	.152	2	1.69	.010	.19	.4	2.8	.15	<.01	31	.3	.03	5.9	15
12+00E 15+75N	1.55	45.71	31.01	2124.8	523	103.7	12.5	579	2.45	92.3	1.9	2.1	3.6	28.1	4.77	.54	.28	63	.25	.079	13.3	56.4	.65	221.4	.131	1	2.07	.011	.07	.4	2.3	.11	<.01	57	.8	.03	6.8	15
12+00E 15+50N	.45	19.99	17.99	395.0	157	21.5	11.7	847	2.53	8.9	.4	1.3	3.7	27.8	3.18	.62	.20	50	.25	.325	7.2	28.4	.55	287.2	.097	1	1.48	.017	.09	.2	2.2	.09	<.01	31	.4	.03	5.5	15
16+00E 21+75N	1.09	26.68	32.29	244.2	143	86.0	23.9	502	3.09	35.2	.5	16.7	3.3	34.0	.55	.60	.24	87	.28	.185	8.8	80.8	1.45	247.8	.217	1	1.86	.012	.19	.4	2.6	.16	<.01	22	.5	.05	7.4	15
16+00E 21+50N	.96	23.23	78.91	507.3	306	88.7	18.0	566	2.72	32.8	.7	1.9	3.2	44.9	1.29	.73	.35	78	.37	.092	9.8	68.3	.96	161.5	.213	2	1.64	.011	.15	.4	2.3	.13	<.01	24	.2	.03	7.8	15
16+00E 21+25N	1.29	27.67	191.22	1129.0	262	36.3	14.6	678	2.66	67.7	.5	3.6	2.5	25.4	3.59	1.57	.67	78	.24	.126	7.5	50.5	.65	130.5	.169	2	1.50	.009	.13	.4	2.3	.11	.01	33	.3	.07	7.5	15
16+00E 21+00N	1.05	22.76	48.75	1072.1	228	59.1	19.8	496	2.97	115.4	.8	.9	2.4	29.8	3.88	.77	.34	101	.19	.240	5.5	58.1	.86	203.9	.175	1	2.00	.012	.14	.3	2.9	.15	<.01	35	.4	.05	8.4	15
16+00E 20+75N	1.16	14.01	62.35	685.1	333	22.9	11.7	400	2.69	181.8	.4	1.8	2.3	25.1	3.69	1.01	.43	84	.20	.217	6.3	31.2	.38	216.6	.128	1	1.27	.008	.08	.3	2.2	.11	.01	27	.5	.04	7.8	15
16+00E 20+50N	1.05	18.86	35.48	666.0	144	39.5	16.5	505	2.91	91.2	.8	1.9	3.2	29.0	2.46	.77	.30	90	.24	.374	6.7	39.6	.69	265.9	.137	2	1.91	.008	.11	.3	2.8	.11	.01	45	.5	.04	7.9	15
16+00E 20+25N	.81	23.02	29.44	493.0	255	32.6	14.2	520	2.66	58.0	.4	2.0	2.8	30.6	2.41	.70	.23	65	.22	.366	5.8	38.8	.74	288.5	.134	1	2.06	.015	.11	.3	2.4	.09	.01	42	.5	.05	7.8	15
RE 16+00E 20+25N	.80	21.50	29.21	490.5	256	30.8	14.0	525	2.63	57.7	.4	2.6	2.6	29.3	2.38	.68	.23	63	.22	.364	5.4	37.7	.72	294.1	.132	1	2.03	.009	.11	.3	2.3	.09	<.01	33	.5	.04	7.4	15
17+00E 22+00N	.79	26.19	33.93	178.6	183	85.4	26.2	957	3.25	14.4	.5	2.0	5.2	46.5	1.04	.85	.25	66	.52	.307	21.0	77.8	1.55	248.4	.247	2	1.57	.011	.27	.7	1.7	.16	.01	28	.3	.02	7.6	15
17+00E 21+75N	.84	28.61	20.26	205.9	125	58.3	21.2	380	3.20	19.1	.3	1.7	3.2	35.7	.48	.51	.20	76	.28	.231	10.7	64.2	1.29	173.1	.189	1	1.76	.008	.15	.4	2.3	.10	<.01	22	.3	.04	6.8	15
17+00E 21+50N	.72	21.81	27.01	296.9	192	45.1	16.4	388	2.91	26.4	.4	2.9	2.9	27.1	1.29	.80	.25	74	.21	.200	7.3	54.5	1.00	160.4	.181	2	1.82	.009	.12	.4	2.2	.09	<.01	29	.4	.03	7.4	15
17+00E 21+25N	.97	32.09	40.30	843.3	233	68.2	19.9	388	3.27	36.4	1.4	10.2	4.7	27.1	2.56	.94	.29	84	.28	.115	13.7	70.2	1.26	182.9	.216	2	2.45	.015	.23	.4	3.3	.17	<.01	44	.5	.06	8.4	15
17+00E 21+00N	1.06	27.89	27.16	670.2	168	76.5	22.4	718	3.32	25.7	.5	2.2	3.9	18.0	2.05	.59	.21	79	.22	.196	9.0	67.8	1.21	153.5	.218	1	2.09	.010	.14	.4	2.2	.13	<.01	23	.3	<.02	8.3	15
17+00E 20+75N	.92	28.82	35.80	496.1	238	63.0	21.0	500	3.12	34.9	.7	3.7	3.9	20.2	2.18	.97	.40	80	.23	.185	11.4	57.7	1.09	175.7	.197	2	2.06	.008	.15	.4	2.4	.12	<.01	48	.3	.07	8.2	15
17+00E 20+50N	.70	17.13	30.20	498.8	188	36.8	13.5	358	2.40	26.1	.5	1.5	3.6	19.4	2.00	1.67	.24	64	.22	.139	6.4	34.6	.58	134.2	.156	1	2.27	.012	.09	.3	2.8	.08	.01	34	.4	.03	8.0	15
17+00E 20+25N	.49	13.59	50.27	326.5	105	77.4	16.8	679	2.38	23.1	.5	1.4	4.7	31.8	2.27	.79	.33	52	.28	.197	8.8	52.1	1.05	253.1	.142	2	1.57	.010	.07	.3	2.0	.08	.01	32	.3	.05	7.1	15
18+00E 22+00N	1.21	31.99	48.15	386.1	196	33.1	18.8	699	2.75	38.0	.7	1.9	2.2	25.1	3.27	1.17	.43	52	.19	.391	4.4	19.8	.52	154.9	.100	1	2.30	.013	.05	.2	2.2	.08	.02	61	1.1	.08	6.5	15
18+00E 21+75N	1.08	25.30	36.58	801.8	253	41.2	16.7	780	3.29	26.8	.6	2.2	3.2	16.2	4.06	1.79	.33	64	.17	.176	5.6	26.2	.67	93.3	.116	1	2.90	.009	.07	.3	2.2	.11	.02	61	.7	.09	7.7	15
STANDARD DS2	14.17	127.87	32.63	157.7	253	34.4	12.3	831	3.10	59.0	20.3	199.8	3.9	28.5	10.93	9.63	10.88	75	.53	.092	16.2	162.3	.61	169.6	.094	2	1.72	.027	.16	8.1	3.2	1.91	.01	250	2.4	1.82	6.2	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: OCT 12 2000 DATE REPORT MAILED: Oct 23/w SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
18+00E 21+50N	.37	18.48	9.57	172.2	230	15.8	13.9	610	2.71	6.6	.2	2.1	1.5	17.2	.90	.70	.17	49	.14	.231	3.9	21.0	.88	163.3	.077	1	2.09	.006	.05	.2	1.8	.06	.01	36	.4	<.02	6.2	15
18+00E 21+25N	.46	14.56	17.59	168.0	176	23.4	11.1	722	2.09	15.7	.3	1.2	2.0	26.9	.57	.57	.23	44	.19	.256	4.8	23.3	.50	207.8	.095	1	1.82	.008	.07	.3	1.8	.08	<.01	31	.3	<.02	6.1	15
18+00E 21+00N	.70	9.06	19.10	234.5	319	20.2	9.4	336	1.83	18.2	.4	.7	2.6	15.3	1.01	1.47	.24	37	.11	.266	3.8	16.8	.22	150.1	.129	1	2.52	.014	.06	.4	2.0	.07	<.01	41	.4	.02	8.3	15
18+00E 20+75N	.46	11.76	39.59	287.0	363	23.5	11.0	438	1.91	20.0	.3	.6	2.4	17.5	1.11	.95	.28	46	.13	.205	5.3	22.4	.35	209.6	.124	<1	1.56	.011	.08	.3	1.8	.10	<.01	21	.3	.03	7.0	15
18+00E 20+50N	.77	35.43	42.34	363.4	907	58.3	18.1	344	2.80	39.5	.6	1.6	4.6	23.8	.90	1.19	.32	85	.20	.118	8.1	48.1	1.11	233.0	.197	1	2.50	.008	.11	.3	3.4	.12	<.01	38	.4	.06	8.7	15
18+00E 20+25N	4.35	38.38	101.78	411.1	675	28.8	12.3	631	3.20	72.3	.9	.7	2.9	26.2	1.17	1.72	.45	192	.17	.131	6.3	30.6	.57	182.9	.157	1	1.74	.009	.07	.4	3.0	.14	.02	44	.8	.08	10.3	15
20+00E 21+75N	.82	34.81	29.78	363.6	331	38.3	18.7	569	3.01	22.1	.5	6.6	3.1	26.1	1.84	1.11	.28	66	.21	.199	8.1	36.4	.91	189.1	.140	<1	2.35	.009	.11	.4	2.8	.10	<.01	55	.3	.06	7.5	15
20+00E 21+50N	.71	27.87	46.05	415.2	268	31.4	19.2	598	2.93	18.8	.5	1.9	2.8	27.5	2.25	.98	.43	58	.19	.329	7.5	29.2	.68	316.1	.121	1	2.10	.010	.11	.3	2.3	.12	.01	51	.3	.05	8.1	15
20+00E 21+25N	.82	38.60	61.63	575.1	370	43.0	17.5	481	3.08	30.6	.5	1.4	3.1	29.8	2.67	1.18	.51	74	.24	.203	7.4	39.3	1.02	269.9	.156	<1	2.27	.009	.21	.3	2.9	.15	<.01	35	.3	.03	7.7	15
RE 20+00E 21+25N	.83	39.60	61.18	573.0	370	42.5	17.8	481	3.08	31.1	.5	2.7	2.9	29.7	2.65	1.19	.49	75	.23	.209	7.5	40.0	1.03	281.2	.157	1	2.29	.009	.21	.3	2.9	.16	.01	42	.4	.06	7.6	15
20+00E 21+00N	.66	37.09	161.97	940.4	435	32.5	15.7	733	2.70	26.1	.3	1.1	2.5	32.2	2.67	.98	.33	69	.27	.253	5.9	41.7	.93	376.1	.150	1	2.03	.011	.15	.3	3.0	.12	<.01	38	.3	<.02	8.6	15
20+00E 20+75N	.56	12.18	89.19	381.0	376	16.3	10.8	375	2.00	16.9	.2	.8	2.2	21.2	1.80	.96	.41	44	.12	.262	4.8	22.5	.36	220.4	.111	<1	1.53	.008	.07	.3	1.8	.09	<.01	33	<.1	.02	7.0	15
20+00E 20+50N	.63	16.77	83.61	642.7	275	33.0	13.9	693	2.30	25.6	.4	4.2	2.8	30.8	2.09	1.10	.28	57	.20	.222	5.8	32.1	.65	267.0	.133	1	1.91	.009	.08	.3	2.3	.09	.01	38	.1	.03	7.0	15
20+00E 20+25N	.55	18.48	66.14	694.4	314	37.1	14.8	532	2.40	34.0	.4	.7	2.7	27.9	2.33	.68	.26	56	.20	.284	5.5	42.6	.73	231.8	.133	1	2.01	.009	.11	.3	2.3	.10	.01	39	.1	.03	7.7	15
STANDARD DS2	13.50	126.12	31.82	150.8	252	33.2	11.4	782	2.94	56.5	18.9	197.3	3.4	26.3	10.63	9.68	10.59	70	.50	.085	15.5	153.9	.57	166.6	.091	2	1.63	.026	.15	7.2	3.0	1.77	.02	227	2.1	1.85	5.7	15

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A003868 Page 1

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
13+00E 20+00N BL	.62	15.36	8.13	102.7	122	21.1	10.4	448	1.89	11.8	.3	.7	3.5	14.5	.27	.54	.16	83	.18	.055	5.9	45.3	1.02	217.7	.212	1	1.58	.011	.20	.3	5.3	.13	.03	10	<.1	.04	8.4	15
13+00E 19+75N	.46	20.62	16.18	167.6	246	37.3	18.6	699	1.93	11.5	.3	.9	2.5	14.6	.71	.72	.27	58	.14	.166	5.4	41.0	.74	263.6	.159	1	1.95	.013	.09	.3	2.8	.11	.02	20	.1	.04	7.7	15
13+00E 19+50N	.68	29.78	15.80	174.4	245	47.4	14.4	366	2.18	19.8	.3	2.2	2.7	15.7	.49	1.47	.24	80	.17	.087	5.4	49.8	.76	195.1	.164	2	2.19	.011	.07	.3	3.0	.11	<.01	29	.1	.03	8.5	15
13+00E 19+25N	.45	27.58	21.90	185.7	558	41.6	16.0	542	2.23	25.7	.2	15.6	2.4	22.6	.51	.61	.25	76	.22	.113	5.4	50.3	.80	206.1	.168	1	1.87	.011	.08	.3	3.0	.10	<.01	21	<.1	.05	8.2	15
13+00E 19+00N	.86	56.33	36.43	234.2	442	50.8	15.9	506	2.57	124.5	.3	2.1	2.6	21.2	.67	.66	.29	108	.20	.108	6.2	51.9	1.07	215.4	.169	1	2.08	.017	.10	.4	4.5	.09	.02	18	.2	.05	9.1	15
13+00E 18+75N	.72	53.71	68.96	563.7	1220	85.9	22.3	366	2.99	61.8	.6	1.1	4.1	21.0	1.16	.52	.24	116	.21	.112	8.5	69.0	1.33	328.1	.223	1	2.85	.014	.20	.4	4.9	.16	.01	46	.3	.05	10.2	15
13+00E 18+50N	.49	18.10	37.40	591.2	481	53.0	14.9	561	2.03	25.5	.2	2.9	2.3	14.6	2.01	.70	.31	67	.16	.179	5.2	43.8	.80	292.3	.168	1	2.01	.010	.11	.2	3.0	.10	.01	32	.2	.02	8.2	15
13+00E 18+25N	.45	21.84	25.83	406.8	556	50.6	16.3	360	1.88	17.1	.3	.5	2.3	16.0	1.09	.39	.29	64	.16	.111	5.9	44.5	.76	257.7	.152	1	1.65	.011	.08	.3	2.8	.08	<.01	21	.1	.02	7.8	15
13+00E 18+00N	.57	31.29	29.07	548.5	453	83.6	18.0	421	2.73	46.3	.5	2.0	3.3	47.4	1.61	.57	.26	71	.24	.239	9.8	68.2	1.12	478.5	.224	1	2.55	.014	.19	.3	2.7	.13	<.01	22	.2	.04	8.2	15
13+00E 17+75N	.69	47.12	109.26	1068.6	966	83.8	21.4	505	2.90	94.7	.4	1.6	3.2	30.2	2.58	1.01	.69	85	.27	.177	9.7	64.0	1.08	376.0	.213	1	2.78	.015	.15	.3	2.8	.15	<.01	38	.3	.07	9.5	15
13+00E 17+50N	1.63	81.79	173.78	1979.4	642	51.1	25.9	658	2.47	53.9	.4	2.2	2.0	23.2	2.16	.83	.65	95	.24	.102	6.9	32.8	.99	238.3	.156	1	2.22	.011	.11	.2	2.4	.13	<.01	28	.3	.03	8.7	15
13+00E 17+25N	.81	11.85	85.41	634.3	320	21.7	13.5	603	1.84	97.2	.3	1.5	2.3	19.7	2.11	1.15	.53	49	.16	.328	4.8	24.2	.35	248.6	.121	1	1.83	.012	.08	.2	1.9	.11	<.01	31	.2	.04	7.6	15
13+00E 17+00N	.88	16.49	93.19	954.7	1663	22.2	11.7	344	1.84	192.8	.6	1.5	3.0	24.4	4.26	1.08	.27	57	.19	.255	6.4	15.6	.33	214.1	.136	2	2.77	.020	.08	.3	2.4	.12	<.01	54	.3	.06	7.9	15
13+00E 16+75N	.80	12.76	55.48	1313.7	696	32.2	15.2	398	1.77	58.5	.4	6.8	2.5	14.8	4.10	.48	.29	57	.12	.130	6.6	26.6	.43	142.9	.122	1	1.65	.011	.07	.2	1.9	.09	<.01	36	.2	.02	7.1	15
13+00E 16+50N	.80	16.78	62.29	838.6	529	30.5	19.7	406	2.09	72.5	.5	.5	3.2	23.6	3.30	.81	.32	51	.21	.473	5.4	29.2	.35	195.0	.117	1	2.35	.016	.06	.3	2.1	.07	.01	48	.4	.05	7.2	15
13+00E 16+25N	3.93	58.30	110.59	1512.9	567	82.9	17.6	417	2.74	147.5	3.1	4.8	3.4	34.7	2.85	.39	.40	108	.47	.061	12.9	78.9	1.01	275.6	.142	1	2.56	.019	.15	.4	3.6	.16	.02	27	1.2	.06	7.5	15
13+00E 16+00N	1.58	45.64	81.93	838.2	924	77.2	20.0	357	2.56	116.4	1.5	16.0	3.2	33.6	2.54	.39	.38	83	.46	.068	8.2	89.4	.84	270.7	.156	1	2.10	.016	.11	.5	2.4	.13	<.01	39	1.0	.05	7.4	15
14+00E 20+00N BL	.68	13.96	17.78	398.9	898	38.3	11.4	920	1.79	61.8	.5	.5	2.7	19.4	3.87	1.01	.25	50	.15	.408	5.9	26.5	.35	404.0	.139	2	2.65	.017	.10	.3	2.3	.11	<.01	47	.2	.04	8.2	15
14+00E 19+75N	.48	21.28	26.31	321.9	333	42.6	11.8	568	1.74	29.6	.3	2.5	2.4	18.6	1.53	.46	.23	70	.15	.173	5.2	52.3	.69	300.6	.124	1	1.58	.010	.08	<.2	2.5	.07	<.01	16	.2	.04	7.1	15
14+00E 19+50N	.84	26.49	119.02	545.4	519	37.0	13.7	526	2.03	60.8	.3	.9	2.9	15.1	1.16	.72	.24	82	.12	.205	5.7	38.6	.68	189.3	.121	1	1.65	.008	.08	.2	2.8	.10	<.01	20	.3	.04	7.8	15
14+00E 19+25N	.73	18.91	54.08	612.5	979	42.1	14.5	474	2.22	61.2	.3	1.8	2.2	20.4	2.11	.89	.31	77	.16	.122	5.6	43.3	.70	277.6	.157	1	2.06	.011	.10	<.2	2.2	.10	<.01	25	.2	.04	8.1	15
14+00E 19+00N	.80	21.06	46.33	434.8	853	28.4	14.7	467	1.99	41.0	.3	1.2	2.1	14.1	1.03	.48	1.88	82	.12	.128	4.6	36.4	.62	212.4	.120	<1	1.64	.009	.07	<.2	2.3	.09	<.01	24	.2	.05	7.1	15
RE 14+00E 19+00N	.86	20.99	47.55	429.5	864	27.6	14.5	458	1.98	40.7	.3	1.2	2.2	14.7	1.07	.48	2.01	81	.12	.126	4.9	36.0	.61	211.8	.122	1	1.63	.008	.07	<.2	2.4	.08	.01	27	.2	.04	7.2	15
14+00E 18+75N	1.10	26.80	66.95	407.6	802	28.4	13.2	572	1.98	67.9	.3	4.0	2.7	21.2	2.02	.86	.51	78	.22	.248	5.8	23.0	.54	261.9	.119	1	1.49	.013	.10	.2	2.2	.10	.02	35	.4	.04	7.9	15
14+00E 18+50N	1.35	32.26	89.28	635.5	666	32.3	15.1	397	2.18	86.7	.5	10.5	3.7	27.7	1.21	1.12	.47	79	.19	.162	8.2	39.7	.74	192.7	.148	1	1.82	.009	.07	.3	2.6	.10	.03	37	.5	.07	7.6	15
14+00E 18+25N	1.91	69.57	358.45	1602.1	1920	43.5	19.1	700	2.20	85.9	.6	6.4	3.5	18.6	2.24	1.09	.43	88	.15	.109	9.2	29.7	.69	211.3	.133	1	2.05	.008	.08	.3	2.8	.14	.03	47	.4	.05	8.5	15
14+00E 18+00N	2.19	26.26	64.06	184.4	560	15.2	4.3	195	2.05	53.1	.6	86.8	2.9	17.7	.60	.78	.44	108	.10	.107	7.7	24.6	.54	148.0	.114	<1	1.22	.010	.07	.3	2.1	.08	.05	27	.8	.08	7.5	15
14+00E 17+75N	.82	13.27	152.41	603.1	1218	18.1	9.1	517	1.74	217.7	.4	5.3	2.6	17.7	3.00	1.40	.39	66	.13	.178	6.1	21.7	.33	176.3	.109	1	1.76	.011	.08	<.2	1.8	.14	.01	41	.3	.06	7.1	15
14+00E 17+50N	.75	27.72	60.74	502.8	399	29.8	13.3	332	1.94	41.6	.4	4.1	2.8	25.0	1.06	.94	.30	68	.20	.160	7.0	34.4	.74	206.2	.129	1	1.65	.008	.09	.2	2.3	.09	.02	24	.3	.03	7.1	15
14+00E 17+25N	1.17	36.82	62.08	408.9	563	45.5	16.0	397	2.33	67.4	.4	3.0	2.8	22.3	1.18	.73	.33	85	.17	.093	7.3	44.5	.88	194.6	.140	<1	1.71	.011	.11	.3	2.3	.09	.03	32	.4	.06	6.7	15
14+00E 17+00N	1.27	31.97	56.17	450.3	562	51.0	16.3	496	2.36	52.8	.4	2.2	3.0	23.8	1.12	1.14	.25	78	.19	.098	7.0	54.1	.87	192.5	.149	1	2.11	.013	.09	.4	2.7	.10	.03	34	.5	.05	7.1	15
14+00E 16+75N	.77	9.52	35.38	175.5	519	12.7	7.3	855	1.42	30.9	.3	.2	2.1	14.7	1.13	.86	.22	38	.14	.324	3.4	14.7	.16	130.2	.102	1	1.88	.017	.05	<.2	1.6	.08	.01	53	.4	<.02	6.1	15
14+00E 16+50N	.54	14.19	39.28	285.2	579	17.5	9.4	659	1.82	36.3	.4	2.1	2.6	20.5	1.86	.76	.26	50	.15	.364	5.0	21.6	.32	270.1	.110	1	2.12	.012	.05	.3	2.1	.08	<.01	39	.3	.04	7.2	15
STANDARD DS2	14.34	125.77	34.14	156.4	266	35.1	11.6	820	3.07	57.3	19.6	195.0	3.7	28.5	10.00	9.75	10.97	74	.52	.093	16.1	158.8	.59	170.1	.092	1	1.69	.031	.16	7.6	2.8	1.88	.02	223	2.2	1.95	5.7	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: OCT 2 2000 **DATE REPORT MAILED:** Oct 10/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
14+00E 16+25N	.81	20.86	39.58	663.1	572	29.2	14.8	457	2.20	22.4	.4	1.5	2.9	20.6	3.40	.74	.28	58	.20	.207	6.6	32.7	.58	219.9	.127	1	2.05	.012	.07	.3	2.5	.10	.02	41	.2	.02	7.3	15
14+00E 16+00N	1.53	95.92	23.57	438.5	1484	69.0	15.4	605	2.75	117.6	27.5	6.3	2.2	38.6	3.07	.31	.23	67	.51	.051	32.1	144.1	.70	384.2	.109	2	2.01	.015	.15	.5	3.1	.12	.02	57	.8	.04	6.2	15
15+00E 20+00N BL	1.19	28.94	61.75	381.0	584	35.0	15.2	367	2.12	139.6	.5	3.6	3.5	31.7	1.14	.57	.25	84	.19	.211	7.8	38.1	.70	270.4	.131	<1	1.63	.011	.11	.3	2.7	.09	.02	19	.4	.05	6.5	15
15+00E 19+75N	.87	17.09	35.50	453.2	889	29.5	15.4	695	1.78	72.4	.6	.7	2	8 29.2	2.64	.81	.22	58	.23	.306	5.5	21.7	.37	264.1	.118	1	2.26	.014	.08	.2	2.1	.08	.01	55	.2	.03	7.0	15
15+00E 19+50N	.90	12.18	22.85	245.3	1416	18.7	12.6	579	1.65	73.8	.8	.5	2.6	22.6	2.20	1.50	.22	40	.19	.395	4.1	13.3	.15	162.0	.126	2	3.70	.020	.05	.3	2.2	.08	<.01	75	.4	.02	8.3	15
15+00E 19+25N	1.02	15.81	113.12	753.4	577	46.9	22.4	819	2.39	35.3	.4	2.1	3.0	44.5	2.97	1.02	.37	60	.24	.319	8.0	47.1	.69	553.7	.217	2	1.70	.012	.16	.3	1.9	.13	<.01	33	.2	.05	9.0	15
15+00E 19+00N	1.50	33.15	137.82	927.0	838	60.2	16.0	424	2.68	75.3	.7	5.5	3.8	66.2	2.40	.77	.24	112	.29	.216	14.2	53.6	1.00	434.2	.213	1	2.41	.012	.15	.3	2.8	.12	.01	32	.5	.06	8.8	15
15+00E 18+75N	1.93	25.32	104.43	522.3	418	36.8	12.4	878	2.38	71.7	.7	1.8	2.9	37.6	1.42	1.02	.33	125	.21	.182	9.7	46.3	.76	231.8	.170	1	1.60	.010	.07	.3	2.2	.12	.02	27	.3	.06	7.3	15
15+00E 18+50N	.93	12.56	83.94	389.5	1550	13.9	8.9	319	2.02	52.6	.4	.8	2.4	12.7	1.49	.76	.31	65	.10	.293	5.3	24.0	.23	171.6	.126	1	1.69	.010	.05	.2	1.7	.09	<.01	43	.2	.04	8.8	15
15+00E 18+25N	1.54	25.61	71.61	733.4	2235	32.8	11.8	372	2.12	66.5	.6	2.5	2.7	18.1	3.09	1.06	.22	85	.14	.123	7.4	32.0	.50	199.0	.142	1	2.11	.012	.07	.3	2.5	.09	.01	61	.4	.06	7.2	15
15+00E 18+00N	1.58	16.21	52.86	451.7	1178	24.1	10.8	565	1.72	70.4	.6	<.2	2.8	15.5	2.62	3.48	.23	55	.11	.281	4.6	21.9	27	196.5	.137	1	3.08	.017	.06	.3	1.9	.10	<.01	37	.3	.02	7.9	15
15+00E 17+75N	1.48	28.32	57.99	523.8	358	53.7	17.3	322	2.57	57.5	.5	4.2	3.9	23.9	1.36	.71	.22	92	.18	.075	8.7	50.3	.91	172.9	.145	1	1.99	.010	.10	.4	2.4	.10	<.01	25	.3	.04	6.8	15
15+00E 17+50N	1.41	25.03	57.33	395.9	401	47.3	15.0	505	2.36	61.8	.5	3.2	3.1	25.4	1.24	.72	.25	96	.19	.132	8.2	52.9	.85	205.1	.153	<1	1.68	.010	.08	.3	2.4	.09	.01	35	.3	.05	6.7	15
15+00E 17+25N	.75	15.79	62.83	376.1	322	32.6	16.6	434	2.50	43.1	.5	1.3	3.9	23.3	.79	.88	.28	81	.18	.245	6.7	41.8	.60	172.8	.135	2	1.90	.013	.07	.3	2.1	.10	.01	36	.2	.03	7.6	15
15+00E 17+00N	1.06	21.20	35.50	402.5	345	67.7	22.2	505	2.99	30.2	.6	24.9	6	1 24.3	.99	.91	.23	77	.23	.235	11.5	61.3	.84	203.5	.162	1	2.41	.011	.11	.4	2.4	.13	<.01	48	<.1	.04	7.8	15
15+00E 16+75N	.79	14.84	30.67	485.3	716	140.8	31.0	986	2.98	21.9	.6	1.7	4.2	37.7	1.67	.42	.23	62	.45	.377	14.8	79.0	1.46	290.1	.182	2	2.28	.012	.09	.3	2.4	.14	.01	35	.1	.02	8.0	15
16+00E 20+00N BL	.48	13.84	23.44	645.0	252	34.5	12.2	421	2.15	32.2	1.0	1.5	4.1	22.1	3.12	.92	.26	44	.22	.423	7.2	26.0	.44	194.0	.142	2	3.01	.019	.07	.3	2.2	.10	<.01	36	.1	.03	7 8	15
16+00E 19+75N	.51	15.22	31.47	869.3	215	89.2	18.9	467	2.69	52.5	.8	1.2	4.4	22.0	4.31	.65	.30	56	.28	.349	7.9	48.4	1.03	175.3	.144	3	2.43	.015	.07	.4	2.3	10	.01	38	.2	.03	7.5	15
16+00E 19+50N	1.01	45.35	68.53	2426.1	395	93.9	15.4	489	2.92	103.3	2.2	1.0	4.5	25.5	7.08	1.28	.31	86	.25	.087	11.0	53.7	.92	358.5	.181	2	3.41	.019	.14	.3	3.2	.18	.01	39	.2	.05	8.3	15
16+00E 19+25N	1.29	59.14	96.59	2398.4	273	140.7	18.4	1047	2.71	79.7	2.5	5.4	3.7	33.1	12.50	1.48	.46	66	.53	.088	14.5	148	3	1.25	227.5	.193	3	2.84	.017	.12	.3	2.2	.19	.02	38	.1	.06	8.2	15
16+00E 19+00N	.99	38.09	53.24	787.1	515	69.0	18.0	938	2.93	42.1	1.3	2.2	3.5	41.5	2.19	.85	.25	83	.48	.152	12.8	66.3	1.17	213.2	.145	2	2.06	.014	.18	.3	2.4	.15	.03	27	.3	.05	7.1	15
RE 16+00E 19+00N	.96	38.42	52.23	793.5	512	68.9	18.5	944	2.92	41.9	1.3	5.5	3.6	39.9	2 27	.84	.24	82	.48	.150	12.8	65.9	1.18	212.5	.144	2	2.05	.014	.18	.3	2.5	.15	.03	31	.3	.04	7.1	15
16+00E 18+75N	.87	32.15	46.18	601.6	378	53.0	12.8	794	2.32	27.7	1.0	1.2	2.8	40.8	2.42	80	.24	66	.55	.110	11.0	51.8	.82	206.0	.126	2	1.46	.017	.16	.3	1 9	.12	.03	18	.2	.04	5.7	15
16+00E 18+50N	1.08	85.53	154.70	667.3	1034	54.9	15.7	407	4.86	34.5	.9	3.7	4.5	38.5	3.42	1.68	.50	82	.35	.135	10.2	56.5	1.01	234.9	.164	1	1.68	.016	.25	.4	2.6	.16	.39	42	.7	07	6.5	15
16+00E 18+25N	.58	12.77	31.41	322.9	252	25.2	13.2	334	2.52	23.7	.4	1.9	2.7	29.2	1.02	.87	.22	61	.26	.273	5.8	30.2	.52	149.3	.107	1	1.70	.009	.07	.3	1.7	.08	.02	34	.2	.03	6.7	15
16+00E 18+00N	.60	14.52	37.42	305.1	389	31.1	12.4	651	2.22	33.1	.4	4.7	3.0	22.1	1.35	1.33	28	51	.22	.348	5.0	31.1	.43	177.6	.133	1	2.54	.016	.07	4	1.9	.10	.02	36	.2	.03	8.3	15
16+00E 17+75N	.71	14.57	45.02	323.0	254	24.2	12.5	472	2.34	36.5	.4	2.1	2.8	31.9	1.51	.97	.29	61	.33	.285	5.8	32.9	.50	193.8	.123	1	2.05	.013	.07	.3	2.0	.09	.02	42	.3	.04	7.5	15
16+00E 17+50N	.69	15.68	44.58	455.3	263	30.1	12.4	457	2.25	70.4	.5	1.7	3.0	24.3	2.49	1.23	.30	61	.27	.352	5.9	31.1	.45	223.4	.128	2	2.42	.015	.08	.3	2.2	.10	.02	53	.4	.04	7.8	15
16+00E 17+25N	.71	20.04	26.48	615.7	280	86.7	21.4	590	2.79	36.3	.6	9.9	3.9	17.8	2.31	1.32	.23	57	.24	.267	8.8	61.4	1.06	173.3	.172	2	2.78	.014	.09	.3	2.3	.11	<.01	35	.3	.04	7.5	15
16+00E 17+00N	.73	14.17	28.22	483.1	354	28.1	13.4	574	2.34	54.5	.6	1.2	3.6	31.1	1.79	.89	.27	58	.25	.337	6.5	35.4	.50	202.6	.136	1	2.44	.011	.09	.3	2.1	.10	.01	65	.3	.03	8.7	15
17+00E 20+00N BL	.71	41.48	34.32	260.2	157	68.9	18.8	365	3.16	30.9	.6	7.2	6.0	35.3	1.33	.56	.20	83	.34	.137	12.0	57.9	1.25	222.9	.149	1	1.91	.011	.14	.3	2.3	.09	.01	19	.3	.08	6.7	15
17+00E 19+75N	.96	20.48	38.05	288.9	772	27.7	16.2	448	2.39	84.3	.5	1.7	2.9	17.2	1.15	.86	.28	79	.15	.133	6.4	39.2	.50	194.4	.120	1	1.75	.010	.07	.3	2.0	.09	.01	33	.3	.06	7.7	15
17+00E 19+50N	1.86	23.83	49.56	311.0	528	23.7	10.7	383	2.68	177.4	.6	10.3	3.3	15.3	1.23	1.42	.32	95	.12	.114	5.5	23.5	.46	123.7	.133	1	2.40	011	.06	.4	2.7	11	.01	36	.3	.10	9.0	15
STANDARD OS2	13.83	126.71	32.86	157.6	262	34.4	11.8	829	3.07	54.5	19.2	199.8	3.6	27.7	10.14	9.84	10.64	74	.52	.084	15.6	160.8	.60	171.3	.092	2	1.69	.032	.15	7.8	3.0	1.82	.02	232	2.2	1.97	5.8	15

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

Data A FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
17+00E 19+25N	1.75	20.12	75.61	492.1	777	21.8	12.0	340	2.42	145.2	.4	1.9	2.5	12.4	.94	1.55	.36	83	.09	.099	5.6	24.5	.48	125.3	.135	1	1.88	.011	05	.3	2.2	.11	.02	39	.3	.06	10.4	15
17+00E 19+00N	1.38	27.70	111.79	682.7	1125	22 2	14.7	430	2.42	80.1	.5	1.9	2 8	16.6	1.57	1.48	.38	71	.13	.126	4.8	21.7	50	131.2	147	1	2.68	.013	.07	.3	2 5	.11	.02	61	.4	.08	9.9	15
17+00E 18+75N	15.38	219.74	1399.10	1850.7	2435	34.6	27.4	714	4.45	586.7	1.7	15.9	4.9	30.3	10.38	2.71	.92	198	.18	.119	10.0	27.0	1.06	220.6	150	1	2.30	.013	.32	.4	5.8	.20	.13	97	4.8	.37	10.1	15
17+00E 18+50N	.60	15.42	59.71	588.1	569	21.5	10.1	567	1.78	58.7	.4	1.4	2.5	26.5	2.31	1.40	.29	42	.21	.263	5.3	14.7	.29	209.5	.135	2	2.33	.018	.09	.2	2.1	.10	.01	34	.2	.04	9.6	15
17+00E 18+25N	.55	11.05	56.46	337.6	443	13.0	11.4	695	1.77	46.0	.4	.6	2.3	28.7	1.99	1.00	.27	36	.21	.581	3.3	14.3	.14	237.3	.125	1	2.67	016	.06	.2	1.7	.09	.01	44	.2	.03	9.4	15
17+00E 18+00N	.70	11.35	23 28	226.1	456	15.7	7.6	593	1.53	22.0	.5	.5	2.3	18.2	1.62	1.68	.20	29	.17	.243	3.3	11.6	.13	163.5	.139	1	3.41	.019	.04	.3	1.5	.09	<.01	50	.3	<.02	9.1	15
18+00E 20+00N BL	5.40	41.87	54.86	177.1	387	22.0	7.3	391	4.26	200.2	1.3	.7	3.5	27.9	1.33	1.97	.38	277	.16	.243	8.4	29.0	.47	170.4	.157	1	2.38	.011	.08	.4	3.7	.13	.04	61	1.7	.11	11.4	15
18+00E 19+75N	1.80	23.66	51.24	231.1	754	20.6	7.5	350	2.64	89.6	.5	.3	2.2	27.7	1.33	.93	.37	131	.15	.191	5.8	25.3	.45	186.0	.134	1	1.59	.012	.07	.2	2.3	.10	.01	39	.6	.07	9.6	15
18+00E 19+50N	2.28	32.09	141.74	697.9	732	36.5	12.1	456	3.09	179.5	.6	1.9	3.1	24.9	1.28	1.26	.32	150	.19	.182	8.0	38.5	.76	137.5	.152	1	1.91	.010	.08	.3	2.9	.10	.02	24	.4	.10	10.6	15
18+00E 19+25N	2.11	38.68	196.27	943.5	813	34.3	17.2	663	2.78	331.4	.8	23.8	3.2	20.5	2.23	1.11	.44	110	.13	.170	7.6	35.0	.66	183.4	.148	1	2.01	.010	.06	.3	2.6	.12	.03	56	.3	.15	10.2	15
18+00E 19+00N	1.91	45.76	66.14	519.3	969	31.6	13.0	230	2.54	110.9	1.5	3.6	4.8	17.8	1.99	59	.30	102	11	.102	8 8	31.2	.62	121.8	.168	1	3.08	.016	.08	.3	3 8	14	.02	74	.5	.07	9.9	15
18+00E 18+75N	1.14	22.69	85.07	675.7	326	27.4	10.8	319	2.37	69.9	.4	2.5	2.6	29.3	2.38	1.27	.36	94	.23	.144	6.9	31.8	.63	180.6	.146	3	1.65	.010	.08	.3	2.3	.10	.02	42	.2	.07	9.9	15
18+00E 18+50N	.77	11.67	72.19	417.9	570	12.7	9.1	348	2.00	66.2	.5	1.4	2.8	28.9	1.94	1.34	.40	64	.16	.394	5.3	18.2	.24	220 4	.123	2	1 98	.014	.06	.2	2.0	.09	.01	52	<.1	.04	9.4	15
18+00E 18+25N	1.10	23.43	61.15	893.5	466	27.8	10.5	284	2.36	76.9	.6	2.2	3.1	20.8	2.47	1.08	.29	93	.14	.267	7.0	28.9	.55	207.3	.136	2	2.11	.013	.08	.3	2.4	.10	.01	33	.3	.06	9.7	15
18+00E 18+00N	.99	11.78	38.68	354.1	273	16.6	7.2	211	1.67	43.4	.7	1.3	2.6	17.6	2.51	1.74	.25	39	.15	.212	4.5	11 5	.14	132.9	.149	2	3.37	.020	04	.3	1.9	.07	.01	50	.1	.04	9.1	15
RE 18+00E 18+00N	.98	12.11	38.78	345.0	284	16.8	7.0	213	1.66	53.4	.7	2.3	2.7	17.4	2.72	1.77	.26	38	.15	.231	4.7	10.9	.14	132.4	.143	2	3.34	.019	.05	.3	1 9	.07	.01	55	.2	.04	9 3	15
19+00E 20+00N BL	2.10	42.31	185 65	1019.4	325	28.4	12.2	533	2.87	60.2	.4	1 6	2.5	23.0	2.08	1.06	.31	93	.17	.177	6.0	36 7	.72	186.9	.132	1	1 71	.011	.07	.3	2 3	.10	.01	20	.2	.05	9.2	15
19+00E 19+75N	1.04	15.30	85.85	607.5	316	20.2	13.6	663	2.41	60.4	.5	3.2	2.7	19.7	1.93	.78	.32	75	.14	.226	6.4	29.8	.46	197.6	.124	1	1.75	.011	.07	.3	2.3	.12	.01	39	.1	.04	9.2	15
19+00E 19+50N	.98	26.39	78.95	827.4	200	40.6	17.9	542	2.67	60.1	.4	1.8	2.6	29.3	2.60	.85	.28	84	.21	.141	7.2	38.9	.83	235.2	.145	1	1.97	.012	.11	3	2.7	.12	.02	13	.2	.05	8.2	15
19+00E 19+25N	.94	24.15	75.27	626.9	202	30.5	14.6	872	2.48	54.7	.4	2.8	3.2	29.3	2.48	1.38	.32	71	.20	.355	6.5	35.9	.62	239.4	.151	2	2.01	.014	.11	.3	2.4	11	.02	36	.1	.07	9.3	15
19+00E 19+00N	.70	22.50	54.62	638.2	396	27.9	13.9	500	2.09	36.1	.4	1.9	2.5	23.5	1.85	.81	.24	63	.18	.215	5.4	26 8	.55	232.6	.131	1	1.93	.014	.10	.3	2.1	.08	.03	37	.2	.03	8.0	15
19+00E 18+75N	.61	17.19	45.12	781.1	323	42.3	16.9	500	2.44	35.9	.5	1.3	3.1	24.6	3.43	81	.24	60	.20	.507	5.3	35.8	.60	315.6	.147	1	2 78	.014	.09	.3	2.4	.09	.03	46	.1	.07	9.1	15
19+00E 18+50N	.73	20.89	45 13	462.7	441	30 1	14.5	310	2.56	59.8	.4	1.1	3.0	21 0	1.75	1.49	.22	71	.20	.230	5.1	29.8	.59	144.5	.145	1	2.78	.013	.08	.3	2.4	.09	.02	54	3	.06	9.1	15
19+00E 18+25N	.63	13.70	40.85	333.6	355	19.3	9.5	429	1.90	29.0	.6	1 0	2.8	17.6	1.91	1.17	.25	51	.15	.261	5.8	20.6	.34	223.8	.120	1	1.95	.015	.06	2	2.1	.09	.02	41	<.1	.02	8.0	15
19+00E 18+00N	.95	26.03	55.25	519.6	359	36.6	15.0	501	2.53	37.4	.5	1 6	3 1	22.9	1.57	.85	.24	71	.19	.175	6.9	37.4	.76	183 1	.132	<1	2.25	011	.07	4	2.4	10	.03	29	.2	.06	7.7	15
20+00E 20+00N BL	.80	21.84	49.74	481 0	323	41.1	18.3	622	2 70	23.0	.4	1.3	3.9	23.1	1 44	.67	.22	69	.23	.219	8 3	43.4	.88	201.3	.142	1	1.67	.010	11	.2	2.3	.10	02	28	.3	.04	7.5	15
STANDARD DS2	13.25	129.13	31.96	153.9	262	34.7	12.0	818	3.04	54.6	18.5	190.0	3.4	26.9	10.14	9.09	10.32	73	.51	.094	14.6	158.1	.58	175.7	.091	2	1 71	.032	.16	7.1	3.0	1.75	.02	225	2.2	1.87	6.3	15

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

Data / FA

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: DOYLE, BRUCE **

1424 CREASE AVE.
NELSON, BC
V1L 1A2

Project : SNOW WATER
Comments: ATTN: BRUCE DOYLE

Page Number : 1-B
Total Pages : 1
Certificate Date: 25-OCT-2000
Invoice No. : 10031263
P.O. Number :
Account : SKJ

CERTIFICATE OF ANALYSIS A0031263

SAMPLE	PREP CODE		Mg % (ICP)	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)
SC-23R	205	226	0.50	230	< 10	0.30	20	0.002	20	0.15	60	120
SC-24R	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SC-25R	205	226	1.00	2490	30	0.70	10	0.286	90	0.15	140	14180
SC-26R	205	226	< 0.05	330	< 10	0.10	140	0.007	< 10	< 0.05	210	220
SC-27R	205	226	1.00	1680	< 10	2.00	30	0.162	170	0.20	150	8300
SC-28R	205	226	1.65	2940	< 10	0.75	< 10	0.028	60	0.15	1020	400
SC-29R	205	226	0.85	730	< 10	1.60	70	0.013	90	0.15	120	300
SC-30R	205	226	0.80	660	< 10	0.90	70	0.008	50	0.05	80	180
SC-31R	205	226	0.60	1130	10	0.55	100	0.661	150	0.05	50	20900
SC-32R	205	226	1.15	1120	10	3.90	60	0.402	210	0.45	420	8300
SC-33R	205	226	1.30	4160	< 10	0.40	240	0.770	30	< 0.05	260	24100

CERTIFICATION: _____ *+

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: DOYLE, BRUCE **

1424 CREASE AVE.
NELSON, BC
V1L 1A2

Project : SNOW WATER
Comments: ATTN: BRUCE DOYLE

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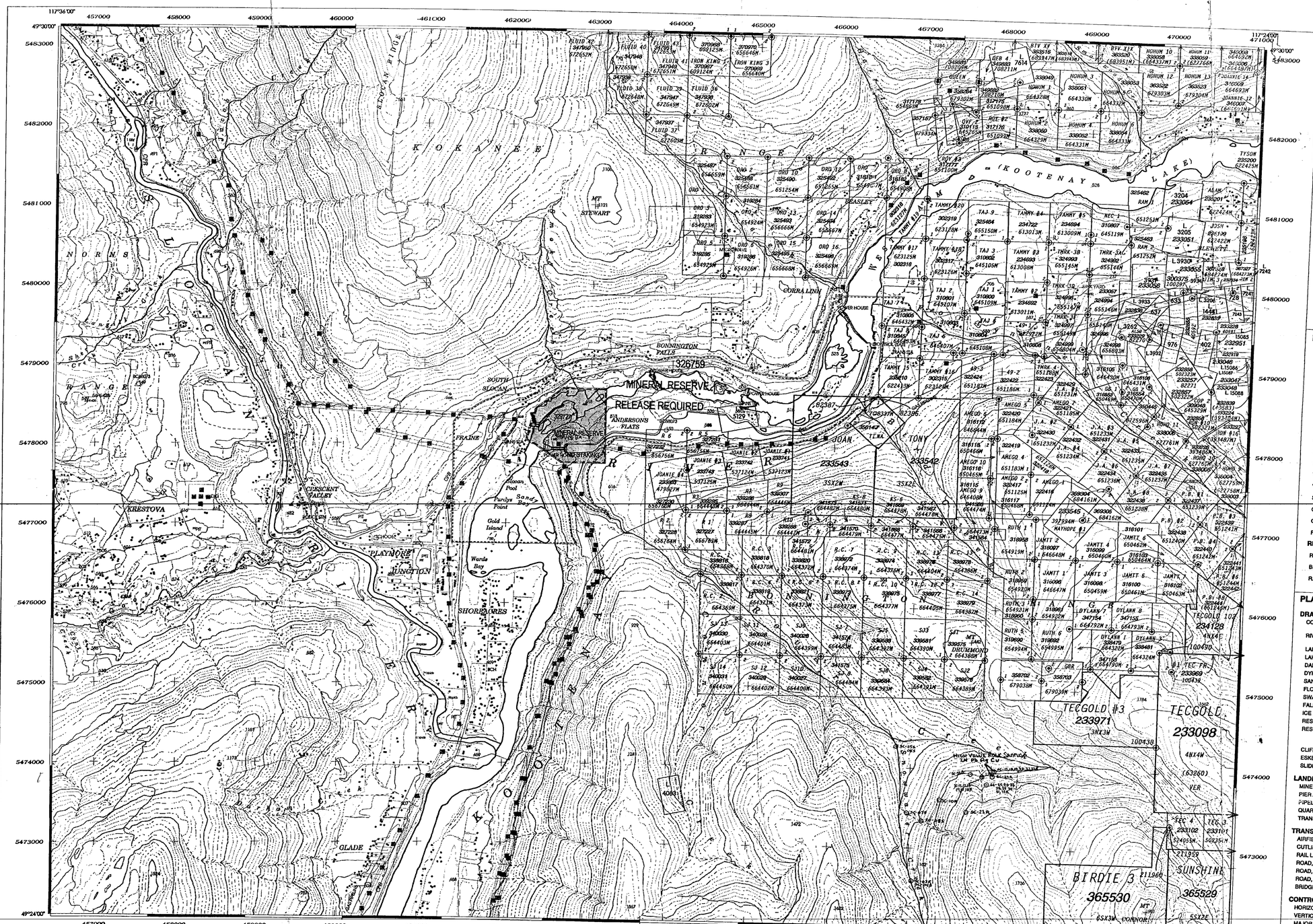
CERTIFICATE OF ANALYSIS A0031263

SAMPLE	PREP CODE		Au ppb ICP	Pt ppb ICP	Pd ppb ICP	Ag g/t	Cu %	Pb %	Zn %	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)
SC-23R	205	226	-----	-----	-----	-----	-----	-----	-----	< 1	2.45	100	< 10	< 20	0.15	< 10	10	270	30	2.40	0.5
SC-24R	205	226	-----	-----	-----	117.5	0.48	4.09	10.75	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SC-25R	205	226	-----	-----	-----	-----	-----	-----	-----	3	3.20	400	< 10	< 20	4.50	110	10	200	160	6.65	0.7
SC-26R	205	226	34	30	8	-----	-----	-----	-----	5	0.15	< 100	< 10	< 20	0.05	< 10	60	50	1170	>30.0	< 0.1
SC-27R	205	226	-----	-----	-----	-----	-----	-----	-----	8	4.25	600	< 10	< 20	4.05	60	< 10	110	630	13.50	0.7
SC-28R	205	226	8	5	4	-----	-----	-----	-----	3	2.30	600	< 10	< 20	2.35	< 10	< 10	50	80	>30.0	1.2
SC-29R	205	226	-----	-----	-----	-----	-----	-----	-----	8	3.10	100	< 10	< 20	1.40	< 10	60	130	1960	19.05	1.1
SC-30R	205	226	22	< 10	12	-----	-----	-----	-----	3	1.70	200	< 10	< 20	1.10	< 10	190	180	1000	23.0	0.4
SC-31R	205	226	78	< 10	8	-----	-----	-----	-----	42	1.70	200	< 10	< 20	2.45	170	1080	70	6670	>30.0	0.4
SC-32R	205	226	-----	-----	-----	-----	-----	-----	-----	7	7.40	500	< 10	< 20	1.30	90	10	100	280	2.75	0.6
SC-33R	205	226	74	< 10	4	-----	-----	-----	-----	22	1.80	100	< 10	< 20	3.10	200	340	20	1860	>30.0	0.4

CERTIFICATION: _____



M082F043

MINERAL LEGEND

ADMINISTRATIVE AREAS

MINING DIVISION(S): NELSON

LAND DISTRICT(S): KOOTENAY

ADMINISTRATIVE BOUNDARIES

- MINING DIVISION
- LAND DISTRICT
- PROVINCIAL BOUNDARY
- INTERNATIONAL BOUNDARY
- NO STAKING RESERVE
- ECOLOGICAL RESERVE, PARK, OR RECREATION AREA
- INDIAN RESERVE (SEE NOTES 1) — I.R. 11
- CONDITIONAL AREA

SUBJECT TO CONDITION RESERVE, RELEASE REQUIRED RESERVE, SECTION 23 RECREATION AREA, (SEE NOTES 2) OR URANIUM / THORIUM REGULATION (SEE NOTES 3)

MINERAL TENURES

- MINERAL CLAIM
- MINING LEASE
- INDUSTRIAL MINERAL TITLE

MINING LEASE	ML
INDUSTRIAL MINERAL CLAIM NAME	IM EXAMPLE
TENURE NUMBER	234567
TAG NUMBER	243765
CLAIM SIZE (UNITS)	4NX3W
LEGAL POST	
WITNESS POST	WP
TENURE HOOK	
VERIFIED	VER
SURVEYED	SUR
GLOBAL POSITIONING SYSTEM	GPS
CROWN GRANTED 2 POST CLAIM	CG
F LOT (Real Estate Lot)	F

REVERTED C.G. 2 POST CLAIMS

Reverted C.G. (Not Open for Staking)	RCG
BID LOT	BID
R.C.G. (Issued under a former Act)	FA

PLANIMETRIC LEGEND

DRAINAGE AND RELATED FEATURES

- COASTLINE, DEFINITE / INDEFINITE
- RIVER / STREAM, DEFINITE / INDEFINITE
- LAKE, DEFINITE
- LAKE, INDEFINITE
- DAM
- DYKE
- SAND / GRAVEL BAR
- FLOODED LAND
- SWAMP / MARSH
- FALLS / RAPIDS — Falls
- ICE FIELD / GLACIER
- RESERVOIR, DEFINITE — Reservoir
- RESERVOIR, INDEFINITE — Reservoir

LANDMARK FEATURE

- CLIFF / SCARP
- ESKER
- SLIDE
- MINE
- PIER / WHARF
- PIPELINE
- QUARRY
- TRANSMISSION LINE

TRANSPORTATION FEATURES

- AIRFIELD
- CUTLINE / SEISMIC LINE
- RAIL LINE
- ROAD, SURFACE PAVED
- ROAD, SURFACE LOOSE
- ROAD, SURFACE ROUGH / TRAIL
- BRIDGE

CONTROL DATA

- HORIZONTAL CONTROL POINT, MARKED
- VERTICAL CONTROL POINT, MARKED
- MAJOR CONTOUR
- MINOR CONTOUR
- CONTOUR INTERVAL - 20 METRES

SC - SNOWWATER CREEK PROJECT

- SAMPLE LOCATION
- 01R - ROCK SAMPLE
- 01S - STREAM SEDIMENT SAMPLE
- HIGH VALUES (ROCK SAMPLES) ZN, Pb, Ag Cu

DISCLAIMER

This map is prepared only as a guide to the location of mineral tenure as shown on the locator's sketches. For current or more specific information, application should be made to the appropriate Gold Commissioner.

SOURCES OF INFORMATION

Planimetric and topographic information is obtained from the Terrain Resource Information Management (TRIM) base mapping program. For more information contact Geographic Data BC, Ministry of Environment, Lands and Parks. Source Date: 1995 MAY 12

Cadastre produced from spatial data is obtained from the Cadastral Data Management System (CDMS). For more information contact the Surveyor General Branch, Ministry of Environment, Lands and Parks. Source Date: 1998 JUN 11

This map depicts only the mineral tenure theme. For the placer tenure theme see appropriate placer map and for the coal tenure theme see appropriate coal map.

Additional tenure information is available on the Internet: ftp// www.em.gov.bc.ca /mida

NOTES FROM MINERAL LEGEND

1. Staking is not permitted within Indian Reserves.
2. Staking is not permitted over Section 23 Recreation Areas due to a No Staking Reserve. (B.C. Reg. 17/97)
3. For Uranium and Thorium Regulations, please refer to Mines Act.

MISCELLANEOUS NOTES

Staking is not permitted over all Crown Granted Lots issued since August 15, 1988. (B.C. Reg. 138 / 94)

Staking is not permitted within tidal waters. (E.G. Reg. 100 / 68)

Surface lots with mineral rights are not shown.

Please refer to the Mineral Tenure Act , Mineral Tenure Act Regulation, Mines Act, and the Guide to Staking in British Columbia for more complete information.

GOLD COMMISSIONER OFFICES

CARIBOO
102 350 Barlow Street
Quesnel BC V2J 2C1
Public Query: (250) 992-4301
FAX: (250) 992-4314
Mining Division: Cariboo

VANCOUVER ISLAND
3001 1810 Blanshard Street
P O Box 9322 Stn Prov Govt
Victoria BC V8W 9N3
Public Query: (250) 952-0542
FAX: (250) 952-0541
Mining Divisions: Alberni, Nanaimo, and Victoria

OMINECA
1020 Murray Street Bag 5000
Smithers BC V0J 2N0
Public Query: (250) 847-7207
FAX: (250) 847-7232
Mining Division: Omineca

COAST / LIARD
302 865 Hornby Street
Vancouver BC V6Z 2G3
Public Query: (604) 660-2672
FAX: (604) 660-2653
Mining Divisions: Atlin, Clinton, Liard, Lillooet, Skeena, New Westminster, and Vancouver

KAMLOOPS / OKANAGAN
250 455 Columbia Street
Kamloops BC V2C 6K4
Public Query: (250) 828-4540
FAX: (250) 828-4233
Mining Divisions: Kamloops, Nicola, Osoyoos, Revelstoke, Similkameen, and Vernon

KOOTENAY
310 Ward Street
Nelson BC V1L 5S4
Public Query: (250) 354-6103
FAX: (250) 354-6407
Mining Divisions: Greenwood, Nelson, Slocan, and Trail Creek

EAST KOOTENAY
100 Cranbrook Street North
Cranbrook BC V1C 3P9
Public Query: (250) 426 1211
FAX: (250) 426-1253
Mining Divisions: Fort Steele and Golden

GUIDE TO THE NTS AND BCGS MAPPING SYSTEMS

T.N. 19° 27' MAGNETIC DECLINATION AS OF 1991 8.0° Magnetic North

082F062	082F053	082F054
082F042	082F043	082F044
082F032	082F033	082F034

INDEX TO ADJOINING MAPS

1000 m 0 1 km

ORIGINAL PRODUCED AT 1: 20 000

LAST MAP UPDATE: 2000 JUL 14

Map Version: 0007

BRITISH COLUMBIA

MINISTRY OF ENERGY AND MINES

ENERGY AND MINERALS DIVISION
MINERAL TITLES BRANCH

MINERAL TITLES REFERENCE MAP

M082F043

1983 North American Datum
U.T.M. Coordinate System - Zone 11
Compilation Date: 1998 JUL 15

00-14 pg. 45

ROCK SLIDE/PEDRO PROJECT (RS)

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

Name Bruce Doyle Reference Number 2009/2001 p#6

LOCATION/COMMODITIES

Project Area (as listed in Part A) pedro project (Rockslide L.) MINFILE No. if applicable _____

Location of Project Area NTS M082F053 Lat 462000E Long 5489000N

Description of Location and Access Access is Approx 12km west of nelson on highway 3 then 15km on the smallwood creek forestry road or driving on highway 6 then turning up pedro creek forestry road just before Winlaw Approx 50 km west of Nelson.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For Au Ag Cu pb Zn

Known Mineral Occurrences in Project Area None

WORK PERFORMED

1. Conventional Prospecting (area) _____
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) Soil (160 Samples) Rock (30 samples) Stream Sediment
4. Geophysical (type and line km) Samples (10)
5. Physical Work (type and amount) _____
6. Drilling (no. holes, size, depth in m, total m) _____
7. Other (specify) _____

Best Discovery

Project/Claim Name Pedro project Commodities Cu Ag

Location (show on map) Lat. 0463321 Long 5489027 Elevation _____

Best assay/sample type Select Grab 19664ppm Cu 40.4ppm Ag 208ppm Ni 366ppm Co

Description of mineralization, host rocks, anomalies massive magnetite with chalcopyrite and 10-15% pyrite and pyrrhotite. Hostrock appeared to be an altered monzonite intrusive that had be sheared & an filled with carbonate (calcite) and replaced with massive magnetite. A Silver, lead, Zinc, Barite, Sb, Mn Soil anomaly was obtained from samples taken NE of rock slide lake.

FEEDBACK: comments and suggestions for Prospector Assistance Program _____

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- **Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.**

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

Name Bruce Doyle Reference Number 2000/2001 p46

1. LOCATION OF PROJECT AREA [Outline clearly on accompanying maps of appropriate scale.]

Pedro project area prospecting took place at/at the head waters of pedro, falls, and sproule creeks.

2. PROGRAM OBJECTIVE [Include original exploration target.]

The objective for this area known as the pedro project or Rockslide lake area was to follow up on an old letter indicating high grade Copper mineralization beeing discovered at the head of falls creek. This area was going to be prospected for bulk tonnage Cu Au potential. The other area to be prospected was an area NE of Rock Slide lake at the head of pedro creek where a airborn mag low occurs in intrusive rocks. the target for thes area was vein Style base metal mineralization.

3. PROSPECTING RESULTS [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

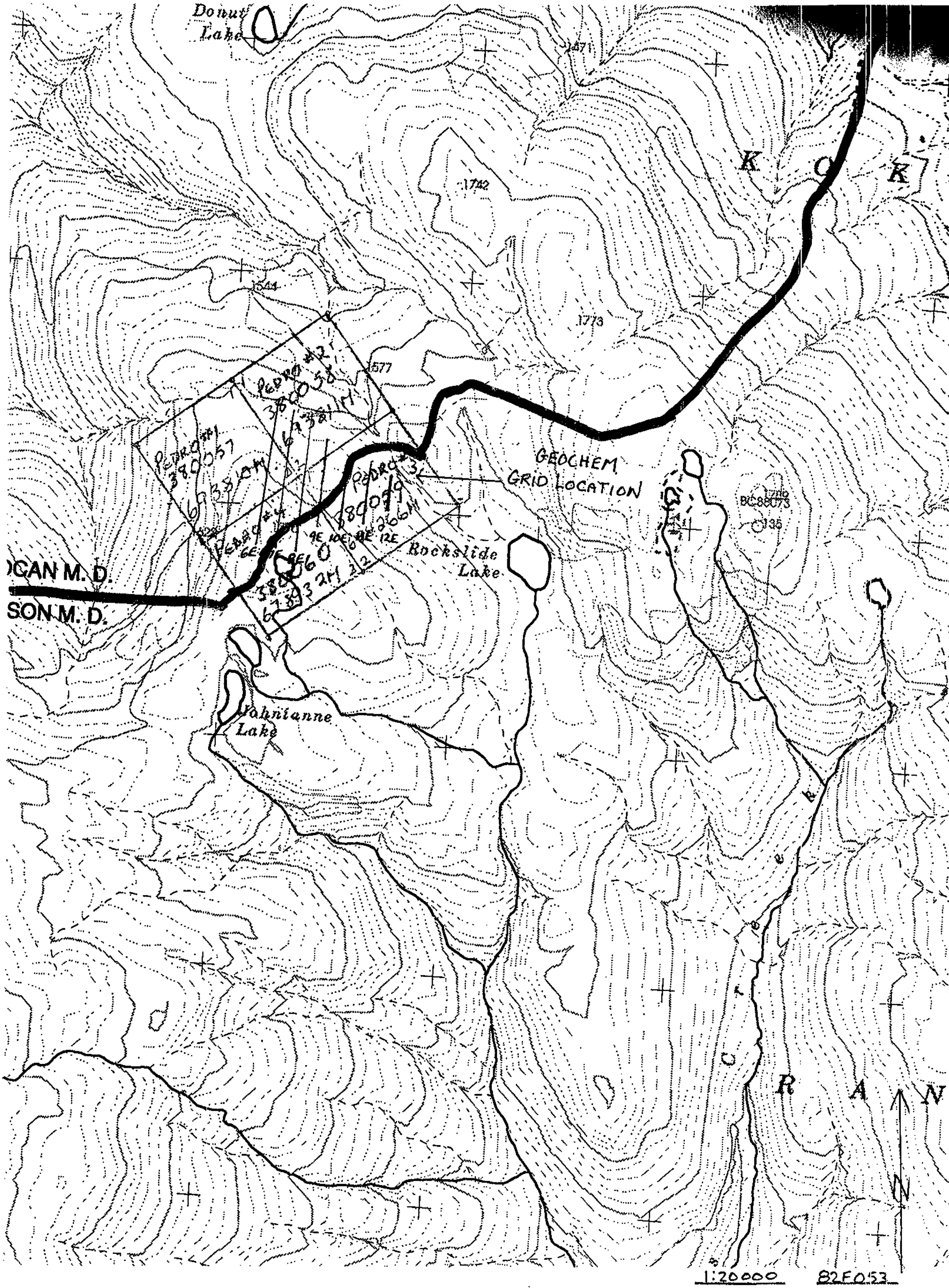
a large area was prospected over the 14 days on the pedro project. only one area gave Significant results for the 30 rock samples taken. This Location is at 0463321E 5489027n utm. an outcrop of pyrite, pyrrhotite and massive magnetite with sparse chalcopyrite was located. This Showing was Approx .3m x .3m and had been opened up previously by a Small open cut. The mineralization appeared to be very localised, No other Copper mineralization was observed in that area. The chalcopyrite and pyrite, pyrrhotite, massive magnetite are hosted in a carbonate altered Monzonite. This mineralization appears to have replaced the carbonate, Calcite?.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

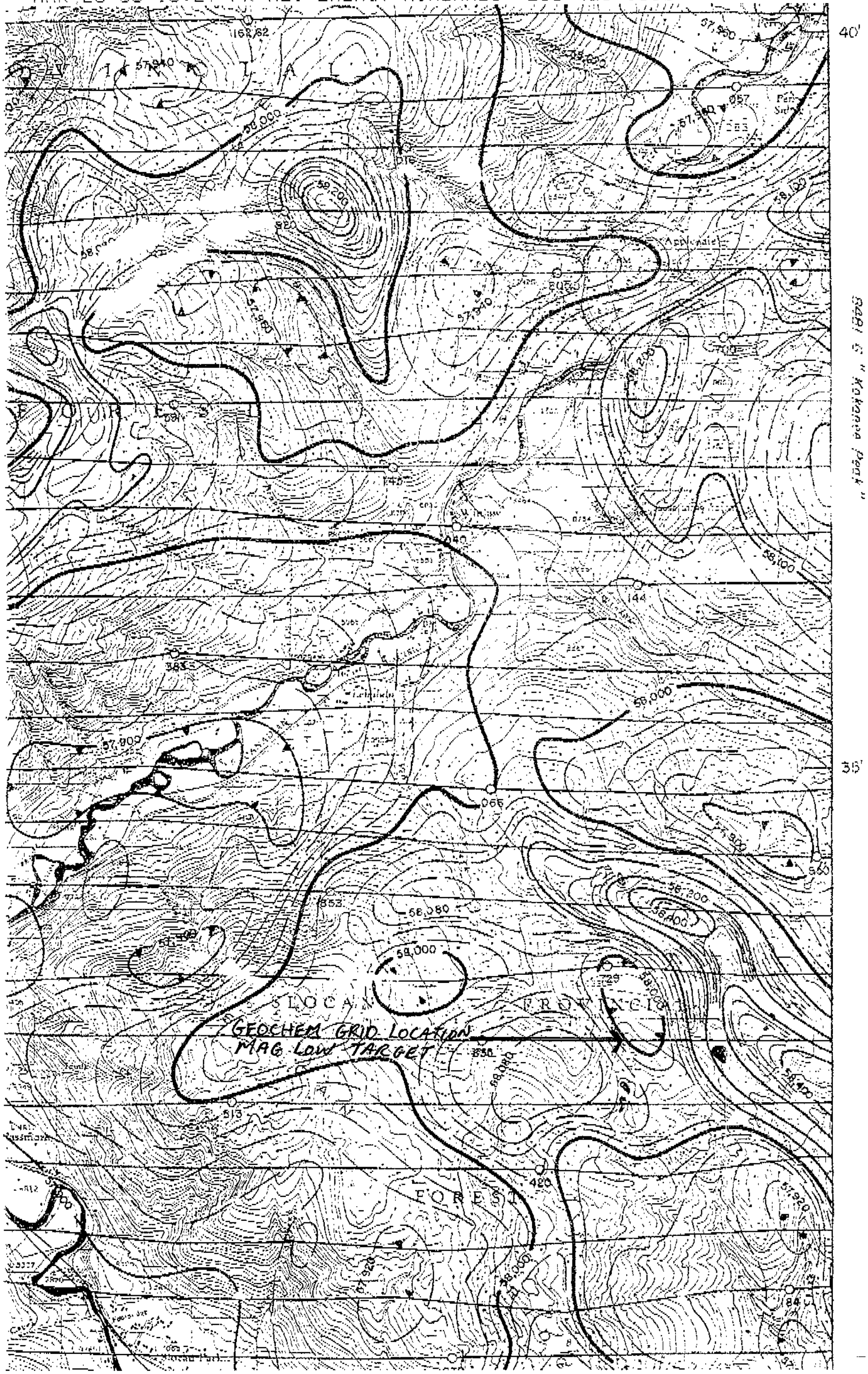
4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates **must** be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

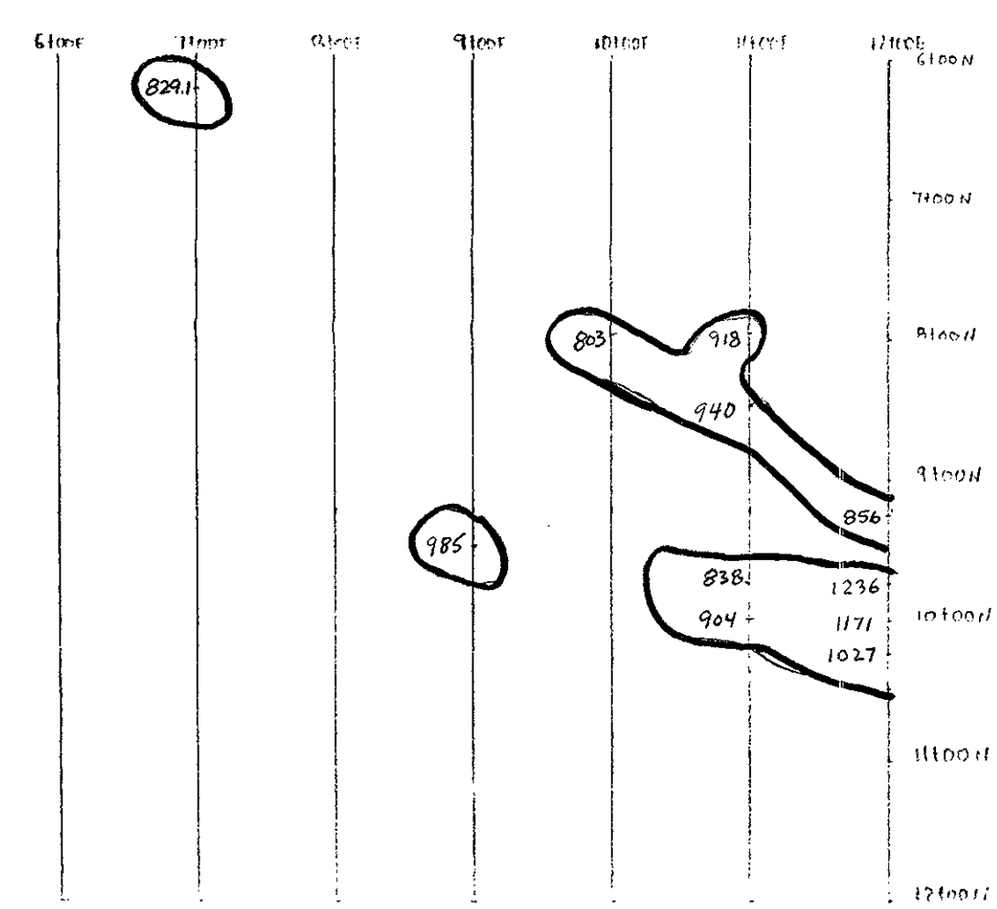
On the pedro project 30 rock samples were taken while prospecting. These samples were taken and analyzed for various elements. only one area was anomalous for base metals where rock samples were taken and this area is marked on the 1:20,000 claim map. Several stream sediment samples taken returned anomalous Ba pb Zn Mn Ag As Sb Hg. The area is situated at the headwaters of pedro creeks and it was decided to further investigate this anomaly. With this stream Geochem anomaly there was also a Geophysical mag low target in this same area. It was hoped that elevated gold would be found in rock or soil samples. After further prospecting was done it was decided to do soil samples over this mag low and stream Geochem anomaly. The soil sample results were very low for gold but a pb, Sb, Ba Ag Zn Mn anomaly was outlined on the geochem grid. These soil anomalys trend in a East/west direction except for the pb anomaly which strikes in a Northwest direction. These anomalies appear to be quite narrow and probably represent narrow veins. The fact that no gold was found and that No pb sulfides could be located it was decided to Spend the remainder of the grant money at Snowwater creek.

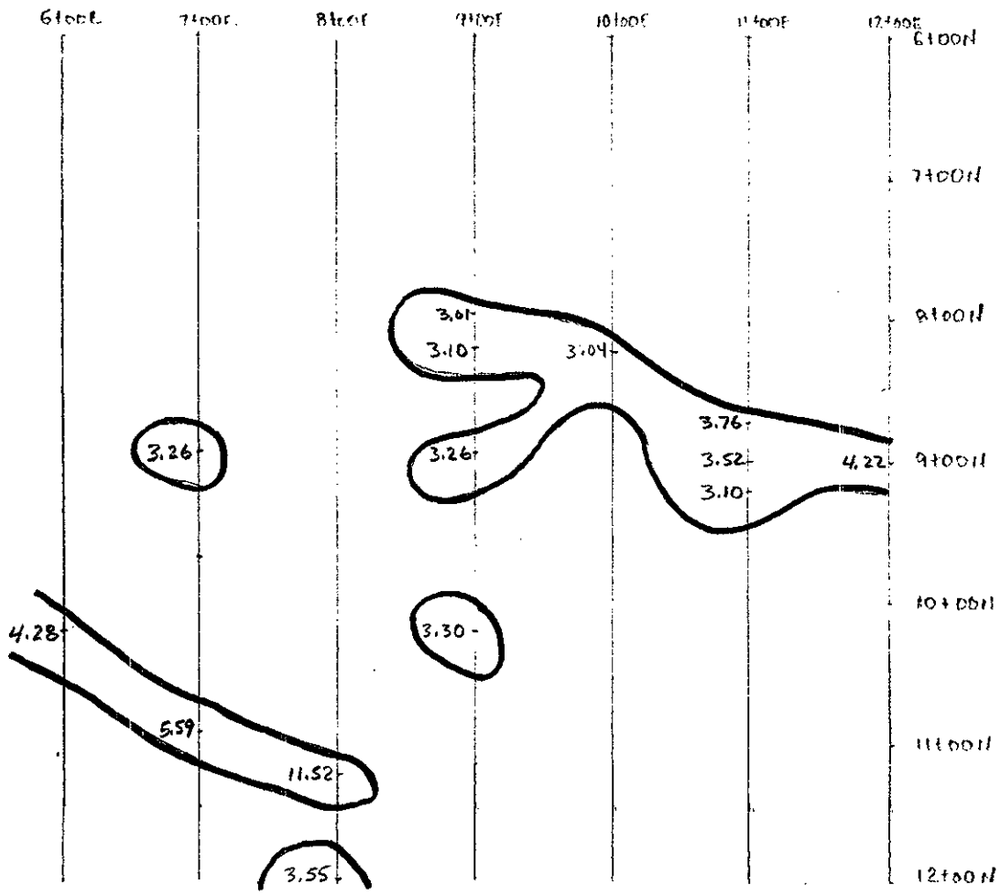


Donut Lake
1471
K O K
1742
1544
1773
1577
PEDRO #2 380058 6732M
PEDRO #1 380057 6738M
PEDRO #3 380099 6766M
PEDRO #4 380060 6732M
GEOCHEM GRID LOCATION
Rockslide Lake
OCAN M. D.
SON M. D.
Jahntanne Lake
BC88073
R A N
N
1:20000
82F053

MAR 28'00 13:27 FR MEI ENERGY MINERALS 250 426 1652 TO 812503523697

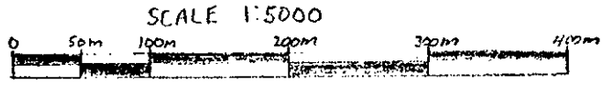


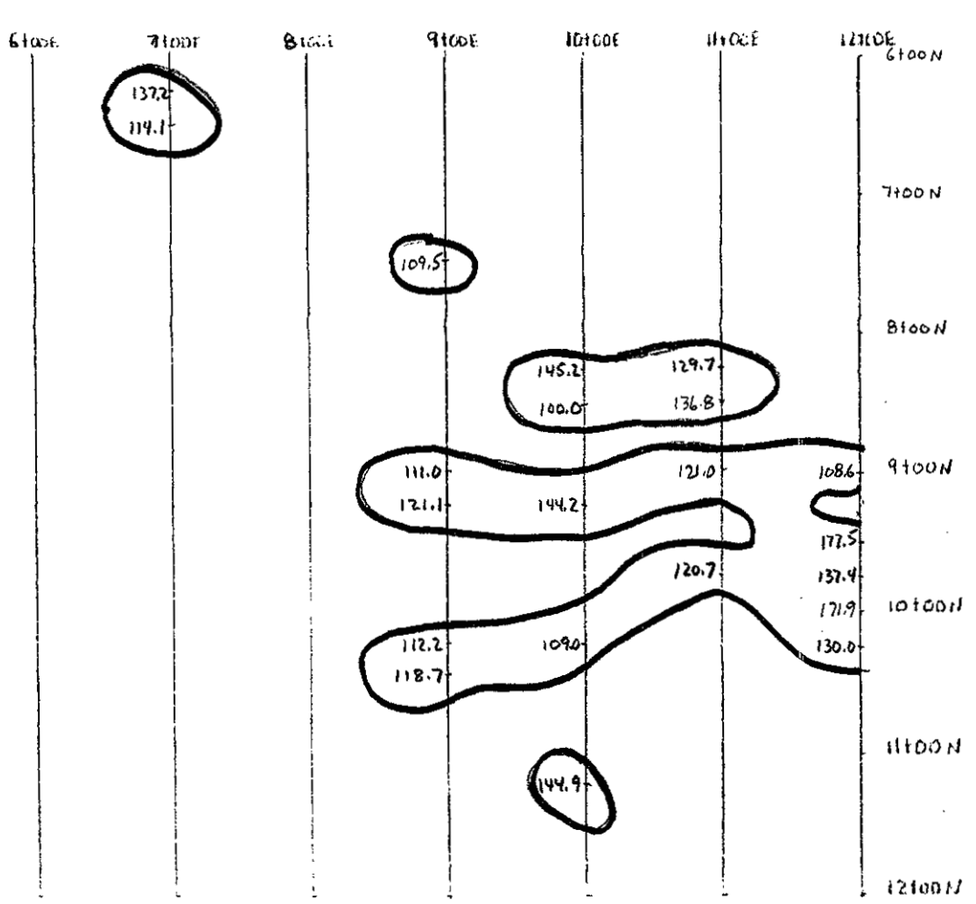


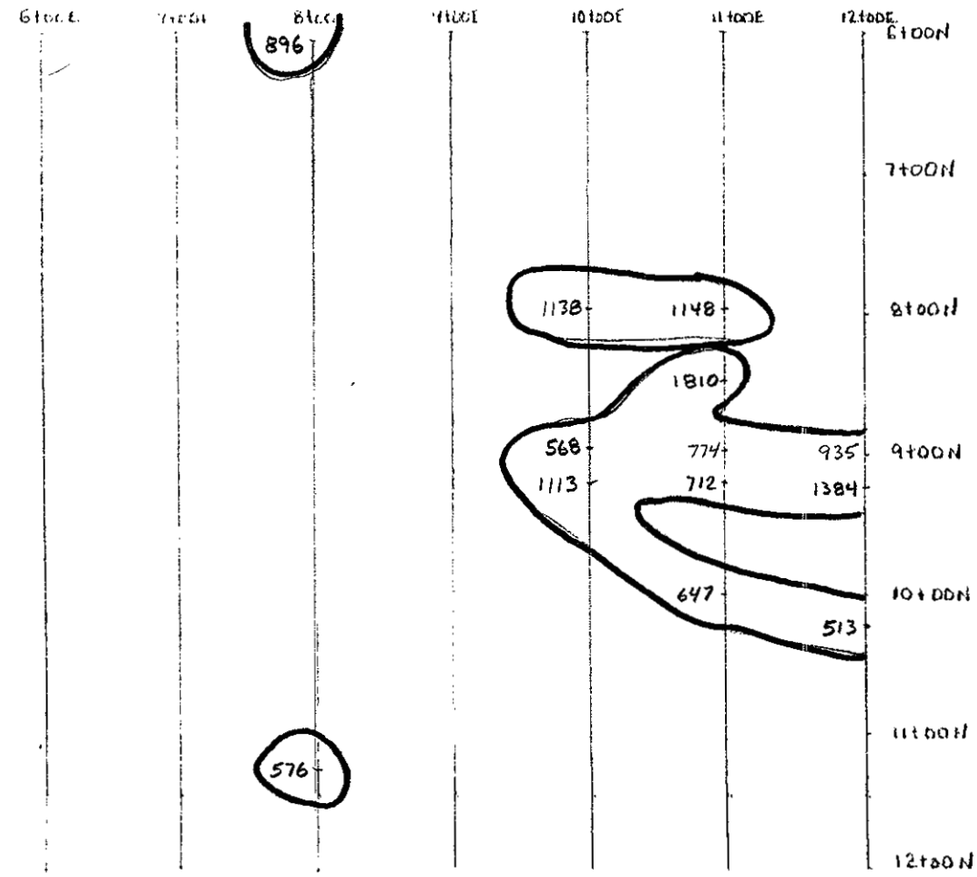


PEDRO PROJECT Soil GEOCHEMISTRY

SCALE 1:5000

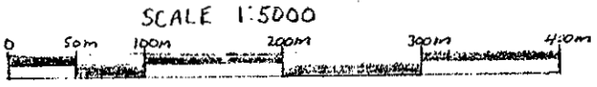


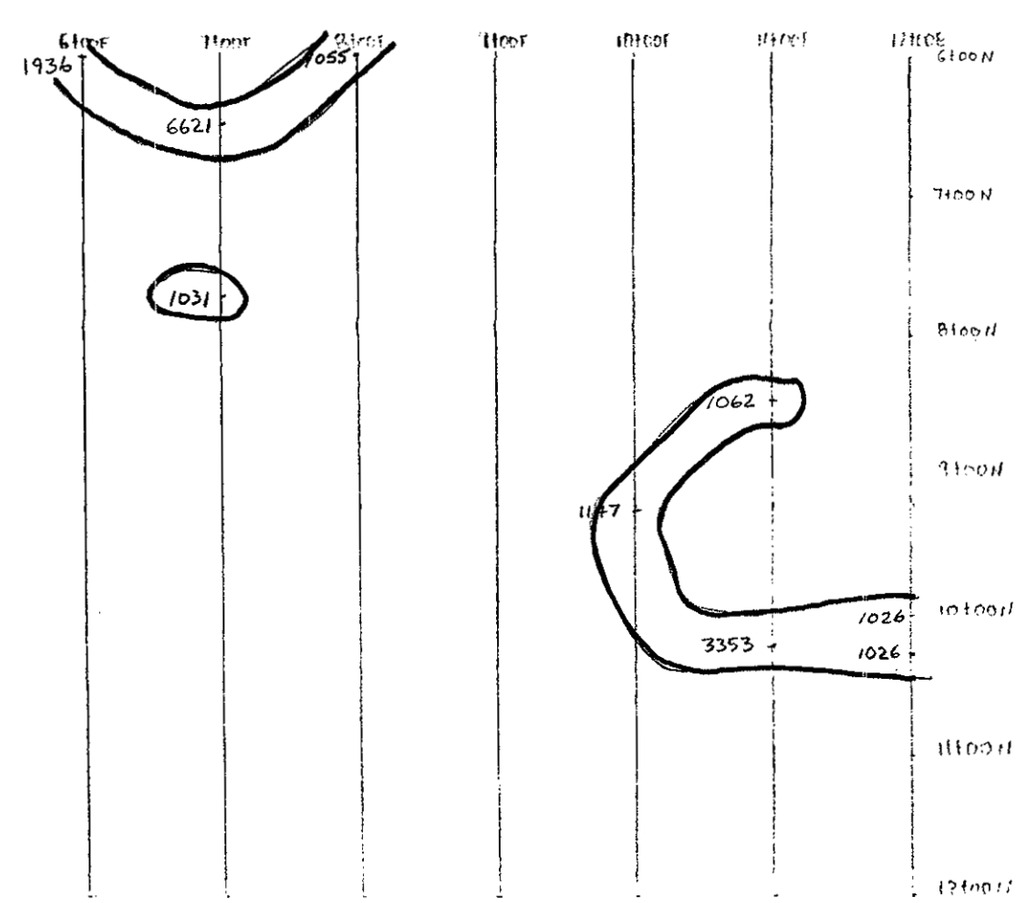




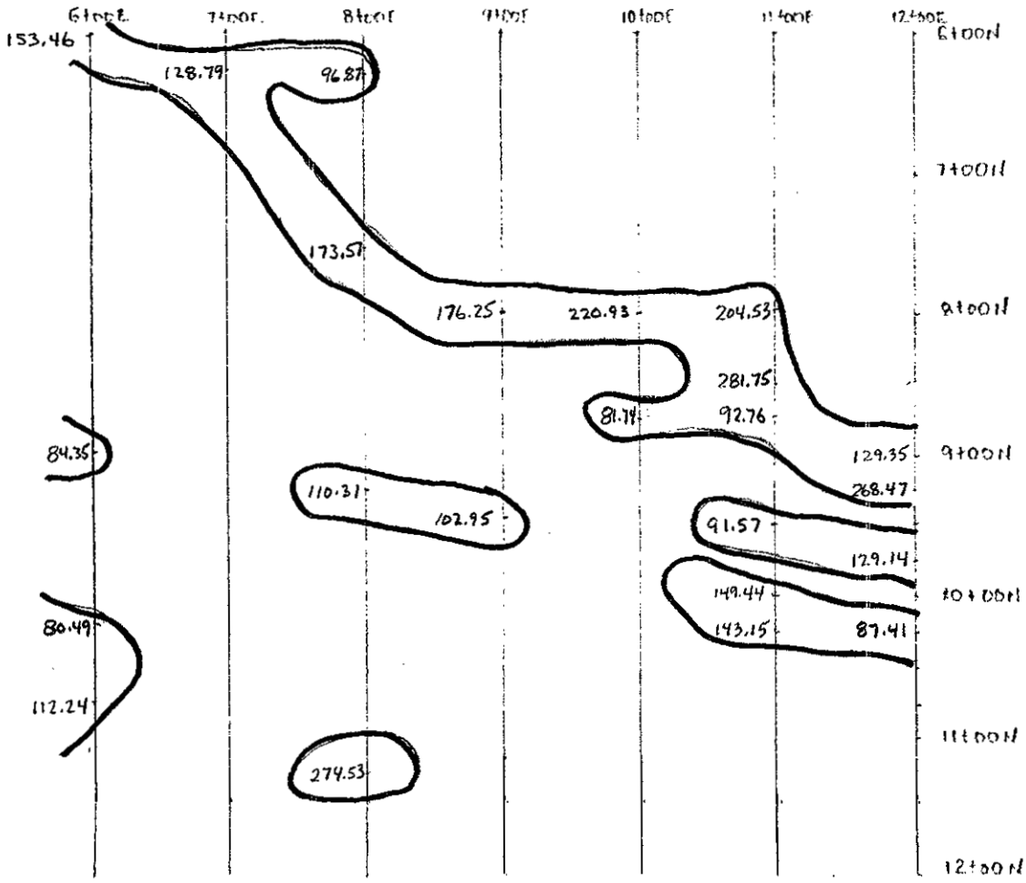
PEDRO PROJECT Soil GEOCHEMISTRY

SCALE 1:5000





Mn > 1000 PPM



Pb > 80 PPM

PEDRO PROJECT Soil GEOCHEMISTRY

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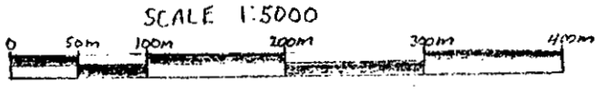

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002033

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
RS-19R	.9	4	16	16	<.1	1	<1	131	.22	<1	1	<2	31	8	<.2	<.5	<.5	2	.03	.016	46	5	.02	47	.002	3	.35	.061	.18	1	<1	.2	1<.01	3	10.5
RS-20R	.7	25	4	100	.2	4	10	1972	8.15	<1	1	<2	8	321	<.2	<.5	<.5	299	4.17	.155	20	24	.65	24	.173	<1	.63	.024	.03	1	<1	6.9	1<.01	8	9.1
RS-21R	3.2	5	12	16	<.1	2	<1	230	.51	1	<1	<2	1	128	<.2	<.5	<.5	5	.06	.006	4	18	.02	506	.002	4	.12	.004	.07	6	<1	.3	<1	.02	<1	4.1
RE RS-21R	3.1	6	12	17	<.1	2	<1	235	.52	1	<1	<2	2	130	<.2	<.5	<.5	6	.06	.006	4	17	.02	509	.002	2	.12	.004	.07	6	<1	.3	<1	.02	1	2.6
STANDARD C3	27.2	66	37	172	5.6	36	10	803	3.40	60	24	<2	24	28	24.7	15.4	22.6	86	.55	.090	22	173	.63	158	.095	29	1.94	.042	.18	15	1	4.5	<1	.02	7	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm) Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 27 2000 **DATE REPORT MAILED:** July 7/00 **SIGNED BY** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ____

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002759

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	As ppm	Au ppb	Sb ppm	Ba ppm	Tl ppm	Hg ppb	Sample gm
RS-24S	137.19	161.5	366	2131	.88	4.4	2.8	1.33	1098.7	.18	174	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: MOSS MAT SS80

DATE RECEIVED: AUG 1 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002759

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	Au ppb	Sb ppm	Ba ppm	Tl ppm
RS-24S	149.62	196.9	341	2181	1.61	7.4	1.56	1150	.4

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: MOSS MAT SS80

DATE RECEIVED: AUG 1 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY:** C. Leong ...D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Gold from 1T-MS need to be confirmed by Fire assay

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A001827

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
RS-01R	<.2	27	23	156	.3	8	13	1874	8.09	10	2	<2	3	358	1.1	2.3	<.5	299	4.35	.379	22	34	.85	68	.104	16	.56	.061	.05	4	<1	9.5	<1	.02	7	3.2
RS-02R	278.8	1420	11	404	2.6	15	39	1520	20.99	2	2	<2	3	117	2.4	<.5	<.5	520	1.15	.083	11	11	.47	47	.145	8	.84	.024	.06	3	<1	2.1	<1	.59	11	1.9
RS-03R	14.9	19664	29	376	40.4	208	366	1402	23.57	30	<1	<2	3	65	3.0	<.5	<.5	194	.47	.045	8	25	.59	20	.077	<1	1.30	.014	.04	<1	<1	3.0	1	9.47	8	45.6
RS-04R	2.3	31	36	57	.6	4	11	76	.92	<1	<1	<2	1	20	.3	<.5	<.5	15	.11	.033	4	17	.02	97	.001	5	.30	.004	.25	4	<1	.5	<1	.06	1	5.1
RS-05R	.8	60	10	75	.2	8	8	969	2.86	7	<1	<2	2	123	.3	3.2	.9	77	2.63	.143	25	24	.43	367	.002	11	.42	.031	.24	3	<1	5.9	<1	.01	2	1.3
RS-06R	.5	17	95	202	1.1	3	4	643	1.34	3	<1	<2	<1	60	3.2	.8	.9	17	1.28	.009	5	15	.03	729	<.001	7	.15	.003	.15	6	<1	1.2	<1	.16	<1	8.0
RS-07R	2.7	27	45	133	.3	6	5	754	2.31	6	1	<2	3	70	1.6	2.0	1.0	34	1.64	.088	14	14	.25	403	.001	10	.41	.007	.30	2	<1	2.2	<1	.15	1	5.6
RS-11R	6.9	19	96	47	.3	4	1	52	1.32	2	8	<2	35	28	.2	<.5	1.8	16	.08	.044	77	12	.03	157	.001	8	.31	.032	.22	6	<1	.4	2	.92	2	1.9
RE RS-11R	7.1	19	95	47	.3	5	1	52	1.30	<1	5	<2	35	27	.2	<.5	1.8	15	.08	.044	75	11	.03	149	.001	9	.30	.031	.22	6	<1	.4	<1	.92	2	1.8
RS-12R	3.1	21	46	108	.2	9	12	3284	3.90	2	1	<2	2	106	.4	<.5	1.0	57	.86	.027	11	13	.88	305	.004	12	1.24	.004	.16	3	1	1.9	<1	.50	6	36.3
RS-13R	.6	4	28	11	<.1	3	<1	93	.26	<1	3	<2	13	23	<.2	<.5	<.5	3	.04	.012	30	9	.01	128	<.001	4	.41	.003	.26	3	<1	.2	<1	<.01	2	.9
RS-14R	3.1	4	13	13	<.1	5	<1	48	.24	<1	1	<2	12	20	<.2	<.5	<.5	3	.04	.013	30	11	.01	256	<.001	5	.31	.003	.28	1	<1	.1	<1	<.01	1	1.0
STANDARD	27.9	61	35	166	5.6	37	11	792	3.09	56	24	<2	23	28	23.0	16.0	23.2	93	.58	.102	21	178	.61	166	.092	34	1.86	.041	.17	14	1	4.4	3	.02	8	201.4

Standard is STANDARD C3/DS2.

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm) Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 13 2000 **DATE REPORT MAILED:** Jun 22/00 **SIGNED BY.** J. Wang .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /A FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A001829

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
RS-PC-08	.4	10	18	45	.1	108	13	435	3.24	3	1	<2	5	138	.2	.9	<.5	94	1.54	.414	39	286	1.93	95	.068	12	.37	.041	.09	2	<1	3.2	<1	<.01	3	5.5
RS-PC-09	4.6	15	25	91	.2	66	11	465	6.27	3	5	<2	72	85	.3	.8	1.0	218	.84	.122	30	274	1.07	121	.089	6	.69	.119	.20	23	<1	3.1	<1	.03	5	4.2
RS-PC-10	<.2	14	20	75	.2	20	9	474	9.48	2	1	<2	12	67	.3	<.5	1.4	338	.41	.096	28	50	.43	118	.058	4	.60	.069	.18	4	<1	1.9	<1	.08	5	7.3
RS-PC-16	<.2	8	8	46	.1	114	13	427	7.04	1	<1	<2	8	126	<.2	<.5	.7	278	1.44	.346	43	513	1.63	85	.085	10	.34	.040	.09	4	<1	3.4	<1	.01	5	.4
RE RS-PC-16	<.2	8	9	49	.1	114	14	438	7.08	1	1	<2	8	125	<.2	<.5	.7	282	1.50	.342	44	534	1.64	86	.093	12	.35	.042	.09	4	<1	3.7	<1	.01	5	.9

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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: PAN CONC. AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 13 2000 **DATE REPORT MAILED:** Jun26/00 **SIGNED BY** J. Wang .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A001828

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
RS-15S	2.7	26	211	154	.6	42	18	2241	1.57	11	161	<2	1	136	2.7	2.0	1.3	27	.55	.208	31	47	.33	903	.023	1	2.56	.011	.11	<1	<1	.7	<1	.13	5	1.6

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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: MOSS MAT AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)

DATE RECEIVED: JUN 13 2000 **DATE REPORT MAILED:** Jun 22/00 **SIGNED BY** J. Wang D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1/ 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

Doyle, Bruce File # A002034

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
HC-01S	3.0	39	62	86	.8	14	6	1431	1.93	8	104	<2	4	97	2.0	1.8	<.5	48	2.03	.159	37	23	.43	211	.082	4	1.79	.013	.20	1	<1	4.2	<1	.17	5	3.5
RS-17S	5.6	13	280	116	.9	13	39	4732	2.11	8	107	<2	9	86	3.1	4.1	<.5	24	.44	.199	62	12	.12	914	.020	1	1.75	.014	.28	<1	<1	.5	2	.18	5	3.2
RS-18S	1.9	13	83	98	<.1	8	4	1817	.65	1	500	<2	16	71	2.9	1.7	<.5	12	.88	.151	163	16	.11	823	.027	1	3.16	.014	.13	<1	<1	1.7	1	.16	7	2.4
RE RS-18S	2.0	13	83	103	<.1	9	4	1876	.69	<1	486	<2	16	69	3.1	1.4	<.5	14	.91	.150	169	17	.12	836	.025	5	3.27	.014	.14	<1	<1	1.7	2	.16	6	2.6
STANDARD DS2	14.2	127	32	161	.3	36	11	813	2.98	56	21	<2	7	28	11.0	10.6	10.8	76	.53	.094	18	164	.61	156	.095	1	1.72	.030	.16	7	<1	4.3	2	.03	6	191.5

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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: MOSS MAT AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 27 2000 **DATE REPORT MAILED:** July 10/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data d/ FA ____

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002035

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb	Sample gm
HC-02S	.7	11	5	46	<.1	12	7	505	2.83	4	3	<2	2	12	<.2	<.5	<.5	97	.28	.077	10	28	.53	46	.095	3	.68	.005	.10	<1	<1	1.6	<1	<.01	4	.5	25.6
RS-22S	1.8	33	17	74	.3	17	9	389	4.87	1	1	<2	6	24	.2	<.5	.5	141	.20	.064	12	22	.30	84	.009	<1	.46	.002	.02	1	<1	1.4	<1	.07	3	7.5	46.5
RS-23S	.6	16	35	150	.2	5	7	1127	3.70	7	<1	<2	2	33	1.3	<.5	<.5	99	.29	.106	16	10	.20	118	.004	<1	.47	.001	.03	<1	<1	1.6	<1	.02	3	5.6	38.6
STANDARD	14.7	135	32	154	.3	39	10	838	2.96	60	25	<2	4	28	11.6	10.5	10.5	72	.50	.090	17	158	.58	148	.087	2	1.62	.028	.15	7	<1	4.2	1	.03	7	234.6	30.0

Standard is STANDARD DS2.

GROUP 1DX - TOTAL SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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: PAN CONC. AU* BY ACID LEACHED, ANALYZE BY ICP-MS.

DATE RECEIVED: JUN 27 2000 **DATE REPORT MAILED:** July 10/00 **SIGNED BY:** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002759

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	Au ppb	Sb ppm	Ba ppm	Tl ppm
RS-24S	149.62	196.9	341	2181	1.61	3.5	1.56	1150	.4

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: MOSS MAT SS80

DATE RECEIVED: AUG 1 2000 DATE REPORT MAILED: Aug 21/00 SIGNED BY C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
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GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002760

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	Au ppb	Sb ppm	Ba ppm	Tl ppm
RS-25R	18.93	41.4	41	354	1.01	.7	<.04	290	.7
RS-26R	15.11	44.4	22	212	.53	.9	<.04	248	.4
RS-27R	22.46	44.5	19	281	.81	.8	<.04	1084	.9
RS-28R	19.89	47.9	82	694	1.62	1.6	.83	889	.5
RS-29R	9.34	37.7	64	37	1.34	1.1	2.01	264	.6
RE RS-29R	9.06	34.7	115	36	1.33	.9	1.92	272	.6
STANDARD DS2	34.44	175.1	268	929	3.93	178.3	11.84	975	2.4

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 1 2000 DATE REPORT MAILED: Aug 21/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002758

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	Au ppb	Sb ppm	Ba ppm	Tl ppm
L11+00E 10+25N	143.15	99.9	463	3353	2.89	5.9	2.06	606	.5
L11+00E 10+00N	149.44	98.7	647	727	2.78	<.4	1.80	904	.6
L11+00E 9+75N	55.33	120.7	308	588	3.69	<.4	2.59	838	.6
L11+00E 9+50N	91.57	92.7	492	829	3.90	2.2	2.70	693	.6
L11+00E 9+25N	62.26	91.3	712	421	4.24	<.4	3.10	560	.4
L11+00E 9+00N	39.93	121.0	774	510	3.25	<.4	3.52	617	.5
L11+00E 8+75N	92.76	61.5	466	359	5.07	<.4	3.76	488	.3
L11+00E 8+50N	281.75	136.8	1810	1062	5.04	.5	2.47	940	1.0
L11+00E 8+25N	48.02	129.7	537	524	3.44	3.2	2.19	709	.4
L11+00E 8+00N	204.53	97.2	1148	462	3.73	3.6	1.53	918	.6
RE L11+00E 8+00N	203.13	95.5	1143	456	3.69	4.0	1.40	898	.6
L12+00E 10+25N	87.41	130.0	513	1026	5.37	<.4	.84	1027	.4
L12+00E 10+00N	72.45	171.9	475	1026	4.59	1.2	.95	1171	.5
L12+00E 9+75N	129.14	137.4	490	602	4.20	<.4	1.42	1236	.5
L12+00E 9+50N	68.63	177.5	390	679	5.82	<.4	2.08	711	.4
L12+00E 9+25N	268.47	96.2	1384	539	3.60	<.4	2.21	856	.5
L12+00E 9+00N	129.35	108.6	935	464	5.26	.4	4.22	782	.5
L12+00E 8+75N	36.91	85.7	156	298	2.48	<.4	1.26	762	.9
STANDARD DS2	41.50	181.5	265	1035	4.16	143.0	12.89	1020	2.5

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 1 2000 **DATE REPORT MAILED:** Aug 21/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

REVISED COPY original gold data interfere by Ta.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002758

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	As ppm	Au ppb	Sb ppm	Ba ppm	Tl ppm	Hg ppb	Sample gm
L11+00E 10+25N	106.54	70.4	407	2978	2.03	11.0	6.5	1.38	259.9	.13	126	15
L11+00E 10+00N	120.48	48.4	561	533	1.55	5.1	4.3	1.19	406.3	.12	83	15
L11+00E 9+75N	31.12	68.6	195	293	2.34	6.5	1.0	1.41	187.1	.10	60	15
L11+00E 9+50N	66.27	51.8	392	596	2.46	11.8	2.9	1.78	185.2	.14	83	15
L11+00E 9+25N	40.66	51.9	586	174	2.94	17.5	.5	2.26	121.6	.07	133	15
L11+00E 9+00N	23.37	67.5	542	227	1.94	4.7	.2	2.23	113.8	.10	75	15
L11+00E 8+75N	71.59	22.5	490	109	3.63	12.3	.8	2.53	97.3	.06	181	15
L11+00E 8+50N	300.34	96.1	1549	881	3.70	21.7	2.6	1.56	545.9	.39	125	15
L11+00E 8+25N	29.83	87.7	508	269	2.26	6.2	<.2	1.51	268.5	.09	109	15
L11+00E 8+00N	172.36	50.9	879	180	2.40	6.9	<.2	.85	402.8	.17	100	15
RE L11+00E 8+00N	171.73	50.7	928	181	2.35	7.3	<.2	.85	405.0	.17	101	15
L12+00E 10+25N	63.14	94.8	459	727	3.69	4.3	2.5	.49	445.9	.12	56	15
L12+00E 10+00N	51.75	124.3	391	805	3.27	7.3	1.8	.62	632.1	.11	57	15
L12+00E 9+75N	107.81	96.3	350	375	3.06	6.2	1.0	.88	670.6	.11	45	15
L12+00E 9+50N	53.06	151.6	345	467	4.38	5.8	.2	1.27	284.9	.11	85	15
L12+00E 9+25N	250.95	50.0	864	216	2.21	5.2	<.2	1.29	265.3	.11	44	15
L12+00E 9+00N	105.68	62.3	804	183	3.73	16.7	2.4	3.09	246.2	.11	108	15
L12+00E 8+75N	21.48	31.5	75	95	1.32	2.0	.2	.33	92.9	.12	12	15
STANDARD DS2	30.20	155.5	262	828	3.08	56.1	214.8	9.53	148.2	1.79	238	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: AUG 1 2000 **DATE REPORT MAILED:** Aug 17/00 **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.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002758

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	Au ppb	Sb ppm	Ba ppm	Tl ppm
L11+00E 10+25N	143.15	99.9	463	3353	2.89	12.1	2.06	606	.5
L11+00E 10+00N	149.44	98.7	647	727	2.78	9.6	1.80	904	.6
L11+00E 9+75N	55.33	120.7	308	588	3.69	28.2	2.59	838	.6
L11+00E 9+50N	91.57	92.7	492	829	3.90	20.7	2.70	693	.6
L11+00E 9+25N	62.26	91.3	712	421	4.24	8.0	3.10	560	.4
L11+00E 9+00N	39.93	121.0	774	510	3.25	10.1	3.52	617	.5
L11+00E 8+75N	92.76	61.5	466	359	5.07	3.0	3.76	488	.3
L11+00E 8+50N	281.75	136.8	1810	1062	5.04	12.8	2.47	940	1.0
L11+00E 8+25N	48.02	129.7	537	524	3.44	16.5	2.19	709	.4
L11+00E 8+00N	204.53	97.2	1148	462	3.73	15.9	1.53	918	.6
RE L11+00E 8+00N	203.13	95.5	1143	456	3.69	17.0	1.40	898	.6
L12+00E 10+25N	87.41	130.0	513	1026	5.37	30.0	.84	1027	.4
L12+00E 10+00N	72.45	171.9	475	1026	4.59	24.0	.95	1171	.5
L12+00E 9+75N	129.14	137.4	490	602	4.20	14.3	1.42	1236	.5
L12+00E 9+50N	68.63	177.5	390	679	5.82	16.0	2.08	711	.4
L12+00E 9+25N	268.47	96.2	1384	539	3.60	16.6	2.21	856	.5
L12+00E 9+00N	129.35	108.6	935	464	5.26	11.3	4.22	782	.5
L12+00E 8+75N	36.91	85.7	156	298	2.48	43.2	1.26	762	.9
STANDARD DS2	41.50	181.5	265	1035	4.16	194.3	12.89	1020	2.5

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 1 2000 DATE REPORT MAILED: Aug 17/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Gold by 1T-MS need to be confirmed by Fire assay

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A003391 Page 1

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	As ppm	Au ppb	Sb ppm	Ba ppm	Tl ppm	Hg ppb	Sample gm
L6+00E 11+25N	22.57	56.0	31	415	1.10	8.3	2.4	1.64	61.8	.11	50	15
L6+00E 11+00N	37.16	32.6	138	74	1.29	6.7	.8	2.11	39.8	.08	46	15
L6+00E 10+75N	112.24	61.5	81	508	1.13	17.4	1.6	4.28	46.8	.19	66	15
L6+00E 10+50N	31.58	37.3	84	122	2.27	12.1	1.7	2.58	46.3	.10	115	15
L6+00E 10+25N	80.49	43.9	293	72	1.74	7.4	1.7	1.41	91.5	.11	131	15
L6+00E 10+00N	40.74	23.9	200	75	1.32	1.8	.9	.55	60.4	.08	91	15
L6+00E 9+75N	31.79	34.8	76	51	2.40	8.3	.2	1.85	51.9	.08	147	15
L6+00E 9+50N	29.36	33.4	112	156	1.35	3.0	.4	.69	75.9	.10	58	15
L6+00E 9+25N	66.15	83.6	48	238	2.47	9.6	1.1	.93	78.7	.13	141	15
L6+00E 9+00N	84.35	69.9	123	292	2.78	6.8	1.1	1.04	169.1	.12	98	15
L6+00E 8+75N	22.97	86.1	75	188	1.67	5.6	<.2	1.24	105.0	.09	77	15
L6+00E 8+50N	13.61	33.6	41	49	.86	2.3	<.2	.36	50.8	.20	32	15
L6+00E 8+25N	30.67	46.4	69	86	1.55	9.8	.4	1.45	79.3	.11	47	15
L6+00E 8+00N	32.77	56.8	64	111	2.16	4.5	.6	.88	65.3	.15	88	15
L6+00E 7+75N	54.42	52.1	56	146	1.61	13.3	1.0	2.25	59.2	.16	57	15
L6+00E 7+50N	26.31	38.4	94	139	2.33	4.7	.3	.52	64.8	.12	124	15
L6+00E 7+25N	22.85	64.1	73	225	2.02	5.7	.9	.93	74.8	.11	96	15
L6+00E 7+00N	64.99	71.2	65	219	2.35	4.5	.5	1.00	95.7	.11	129	15
L6+00E 6+75N	37.44	45.1	221	99	2.57	6.0	2.1	1.18	216.0	.07	103	15
L6+00E 6+50N	17.43	40.2	167	368	2.03	4.4	1.3	.79	74.1	.08	89	15
L6+00E 6+25N	28.21	41.4	147	224	2.25	5.6	.6	.48	77.4	.07	163	15
L6+00E 6+00N	153.46	60.0	221	1936	1.76	16.7	1.7	1.66	276.5	.18	93	15
L6+00E 5+75N	25.89	78.7	187	408	1.79	3.9	1.0	.51	135.2	.18	116	15
RE L6+00E 5+75N	23.34	77.4	157	396	1.75	3.6	1.4	.42	130.8	.16	98	15
L7+00E 12+00N	24.81	86.2	72	220	3.62	9.2	2.3	1.85	59.4	.13	96	15
L7+00E 11+75N	24.31	59.4	93	117	3.61	9.6	1.6	1.69	49.3	.09	155	15
L7+00E 11+50N	43.16	39.9	54	110	2.76	30.5	1.8	2.33	29.7	.10	71	15
L7+00E 11+25N	36.31	59.8	109	118	3.11	7.7	2.8	1.91	46.3	.11	104	15
L7+00E 11+00N	29.45	54.9	78	111	3.98	39.7	1.9	5.59	40.5	.10	81	15
L7+00E 10+75N	28.36	36.1	53	84	.77	5.2	.3	.92	67.0	.14	19	15
L7+00E 10+50N	49.19	58.1	64	196	2.28	14.8	1.9	1.52	60.7	.14	39	15
L7+00E 10+25N	44.25	44.1	84	117	1.58	12.8	2.4	1.38	58.3	.14	26	15
L7+00E 10+00N	38.83	62.5	114	137	2.54	6.3	1.1	.84	56.7	.12	150	15
STANDARD DS2	34.96	161.8	251	813	2.90	55.8	190.3	10.01	146.0	1.67	228	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: SEP 6 2000 **DATE REPORT MAILED:** Sept 19/00 **SIGNED BY.** C. Toye .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	As ppm	Au ppb	Sb ppm	Ba ppm	Tl ppm	Hg ppb	Sample gm
L7+00E 9+75N	55.02	40.8	127	146	3.00	6.9	.6	1.67	60.3	.11	133	15.0
L7+00E 9+50N	18.14	53.7	53	145	2.05	8.2	.3	1.02	67.5	.09	65	15.0
L7+00E 9+25N	30.14	82.7	74	311	2.59	3.8	1.1	.47	87.2	.13	88	15.0
L7+00E 9+00N	49.43	51.4	112	147	3.26	18.4	1.8	3.53	61.4	.11	103	15.0
L7+00E 8+75N	44.83	70.1	150	161	2.65	8.9	1.8	2.11	69.3	.11	193	15.0
L7+00E 8+50N	60.37	61.6	146	430	1.92	8.2	1.7	1.03	138.0	.12	157	15.0
L7+00E 8+25N	52.60	68.6	119	271	2.90	24.9	1.4	2.39	213.2	.09	94	7.5
L7+00E 8+00N	38.61	90.9	155	460	2.73	5.7	.5	.65	87.9	.10	197	15.0
L7+00E 7+75N	47.32	96.2	229	1031	3.38	6.6	1.2	1.31	177.6	.14	117	15.0
L7+00E 7+50N	27.70	45.3	158	222	1.60	3.9	<.2	.35	390.2	.07	153	15.0
L7+00E 7+25N	19.31	84.9	142	598	1.89	2.8	.4	.40	159.2	.12	75	15.0
L7+00E 7+00N	20.28	73.9	133	386	1.87	3.7	.3	.31	205.7	.10	119	15.0
L7+00E 6+75N	12.48	48.9	175	135	2.03	4.8	1.0	.68	93.5	.06	117	15.0
L7+00E 6+50N	62.59	114.1	272	6621	1.63	9.7	1.1	2.00	647.7	.28	143	15.0
L7+00E 6+25N	128.79	137.2	384	949	2.18	12.1	.8	1.26	829.1	.18	94	15.0
L7+00E 6+00N	28.12	76.5	208	547	1.83	4.8	.3	.85	136.6	.15	112	15.0
L8+00E 12+00N	45.08	57.7	38	172	3.62	10.3	.9	3.55	67.5	.13	70	15.0
L8+00E 11+75N	28.70	51.7	58	205	2.68	7.2	1.1	2.59	48.2	.10	87	15.0
L8+00E 11+50N	42.43	27.4	57	81	1.18	6.7	.6	1.24	39.1	.10	43	15.0
L8+00E 11+25N	274.53	82.8	576	616	2.56	18.2	2.0	11.52	83.7	.29	142	15.0
L8+00E 11+00N	43.66	30.5	66	465	.35	2.9	.3	1.01	61.8	.15	19	15.0
L8+00E 10+75N	57.19	53.0	239	158	2.13	5.9	<.2	1.37	89.3	.09	167	15.0
RE L8+00E 10+75N	51.47	51.2	220	155	2.07	5.4	.5	1.21	85.5	.08	151	7.5
L8+00E 10+50N	67.96	47.4	146	148	2.08	11.1	1.1	1.26	84.1	.11	74	15.0
L8+00E 10+25N	18.38	43.1	24	92	1.50	2.7	.6	.59	53.1	.07	45	15.0
L8+00E 10+00N	43.09	40.4	148	100	2.18	5.9	.4	1.33	62.4	.13	133	15.0
L8+00E 9+75N	40.14	77.5	54	140	1.96	12.4	1.8	2.04	78.7	.14	68	15.0
L8+00E 9+50N	77.66	26.9	245	52	.92	6.3	.3	1.34	96.9	.07	106	15.0
L8+00E 9+25N	110.31	47.7	201	160	2.17	6.9	.3	1.41	144.8	.11	98	15.0
L8+00E 9+00N	71.81	54.3	148	160	2.67	16.8	.9	2.08	133.2	.10	165	15.0
L8+00E 8+75N	30.96	59.5	149	131	2.57	7.8	.9	2.19	130.3	.06	163	15.0
L8+00E 8+50N	23.43	29.2	108	67	2.42	9.8	.7	2.30	48.2	.05	110	15.0
L8+00E 8+25N	63.96	53.1	237	216	2.07	12.4	1.2	3.18	87.9	.09	127	15.0
STANDARD DS2	34.95	152.9	251	812	3.02	57.3	197.2	9.93	149.7	1.86	238	15.0

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

Data ℓ FA

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	As ppm	Au ppb	Sb ppm	Ba ppm	Tl ppm	Hg ppb	Sample gm
L8+00E 8+00N	78.52	90.9	86	224	3.62	5.9	1.2	.95	150.9	.14	111	15
L8+00E 7+75N	53.74	74.1	173	439	2.52	13.0	3.6	1.90	160.7	.11	124	15
L8+00E 7+50N	173.57	83.6	376	245	2.30	8.1	1.7	1.04	562.6	.11	78	15
L8+00E 7+25N	33.81	71.8	182	305	2.35	6.7	1.0	1.43	137.8	.09	95	15
L8+00E 7+00N	22.82	58.6	149	197	2.03	6.0	.3	1.34	74.1	.09	112	15
L8+00E 6+75N	48.21	92.7	112	263	2.38	11.3	1.1	1.02	115.0	.17	72	15
L8+00E 6+50N	35.29	47.4	353	218	2.51	6.6	1.6	2.54	88.1	.07	150	15
L8+00E 6+25N	96.87	54.4	288	631	1.10	4.5	.7	1.81	306.4	.11	112	15
L8+00E 6+00N	54.41	51.2	896	1055	1.45	5.9	1.0	1.59	140.9	.11	109	15
RE L8+00E 6+00N	60.13	52.1	990	1096	1.45	6.1	.9	1.89	143.8	.13	118	15
STANDARD DS2	33.85	166.4	266	860	3.20	60.5	198.3	8.89	162.2	1.78	233	15

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

Data___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A003148

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	Au ppb	Sb ppm	Bi ppm	Ba ppm
L9+00E 11+25N	77.43	73.8	<5	14	5	273	3.65	1.3	2.60	.63	577
L9+00E 11+00N	56.04	91.0	<5	15	6	358	3.74	<.4	2.42	.58	713
L9+00E 10+75N	58.68	87.4	17	15	5	305	3.36	<.4	2.54	.56	724
L9+00E 10+50N	57.20	118.7	18	23	9	465	4.04	.7	2.07	.63	750
L9+00E 10+25N	57.96	112.2	<5	13	6	345	4.54	<.4	3.30	.60	674
L9+00E 10+00N	41.15	67.5	<5	7	5	705	3.50	<.4	.94	.43	459
L9+00E 9+75N	42.16	69.2	185	10	4	305	2.31	<.4	1.49	.35	609
L9+00E 9+50N	102.95	87.4	86	13	4	308	2.42	<.4	1.00	.40	985
L9+00E 9+25N	35.52	121.1	226	17	6	402	3.78	<.4	1.01	.41	738
L9+00E 9+00N	50.48	111.0	111	15	6	508	3.50	<.4	3.26	.48	618
L9+00E 8+75N	33.93	65.5	<5	5	3	232	1.88	<.4	2.19	.35	557
L9+00E 8+50N	67.86	81.1	102	12	5	404	3.74	<.4	2.90	.59	600
L9+00E 8+25N	61.29	89.8	125	15	7	400	5.35	<.4	3.10	.69	600
L9+00E 8+00N	176.25	90.9	147	15	9	976	3.34	<.4	3.01	.77	697
L9+00E 7+75N	31.76	71.1	<5	7	4	281	1.99	<.4	1.43	.31	728
L9+00E 7+50N	65.85	109.5	<5	16	7	590	3.06	<.4	2.61	.42	611
RE L9+00E 7+50N	68.59	114.6	<5	17	7	623	3.28	2.7	2.74	.44	640
L10+00E 11+25N	56.58	144.9	74	20	7	424	3.73	<.4	2.51	.64	655
L10+00E 11+00N	56.35	89.2	85	15	6	321	3.27	<.4	2.13	.69	666
L10+00E 10+75N	54.72	69.8	126	10	3	202	1.72	<.4	1.58	.47	647
L10+00E 10+50N	43.66	83.0	<5	19	5	352	3.03	<.4	2.56	.39	562
L10+00E 10+25N	62.99	109.0	34	26	8	440	3.68	<.4	2.69	.51	779
L10+00E 10+00N	50.12	89.9	25	12	6	500	3.01	<.4	2.47	.43	600
L10+00E 9+75N	29.68	62.6	<5	12	5	280	3.54	<.4	2.70	.33	508
L10+00E 9+50N	37.66	90.2	<5	26	8	382	4.16	<.4	2.00	.48	770
L10+00E 9+25N	52.69	144.2	1113	45	11	1147	4.00	<.4	2.15	.47	796
L10+00E 9+00N	31.28	93.5	568	13	5	314	3.01	<.4	1.73	.30	560
L10+00E 8+75N	81.74	75.3	451	15	7	365	2.79	<.4	1.83	.57	703
L10+00E 8+50N	41.71	100.0	63	9	5	619	2.91	7.8	1.91	.41	664
L10+00E 8+25N	68.88	145.2	224	18	7	544	4.21	<.4	3.04	.65	769
L10+00E 8+00N	220.93	87.3	1138	32	39	718	3.01	<.4	2.29	.55	803
STANDARD DS2	37.48	179.6	227	37	14	1017	4.12	117.1	13.19	10.96	1011

GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 22 2000 **DATE REPORT MAILED:** Sept 1/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002760

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	As ppm	Au ppb	Sb ppm	Ba ppm	Tl ppm	Hg ppb	Au** ppb
RS-25R	15.65	7.8	21	355	.49	.7	<.2	.04	253.4	.06	164	<2
RS-26R	19.50	13.4	26	205	.17	.9	<.2	.03	205.8	.05	16	4
RS-27R	10.73	25.0	12	328	.40	.6	<.2	.05	456.2	.05	20	3
RS-28R	15.88	32.3	48	717	1.39	3.1	1.2	.11	523.9	.04	21	<2
RS-29R	8.70	12.2	64	24	.94	2.2	.3	1.72	262.8	.13	67	<2
RE RS-29R	9.36	11.5	74	24	.95	2.5	.2	1.81	263.4	.14	73	<2
STANDARD DS2/AU-R	33.36	161.0	267	832	3.11	60.4	221.8	9.83	150.0	1.72	259	470

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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.
AU** GROUP 3B - 30.00 GM SAMPLE ANALYSIS BY FA/ICP.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 1 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY.** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002760

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Pb ppm	Zn ppm	Ag ppb	Mn ppm	Fe %	Au ppb	Sb ppm	Ba ppm	Tl ppm
RS-25R	18.93	41.4	41	354	1.01	58.0	<.04	290	.7
RS-26R	15.11	44.4	22	212	.53	11.4	<.04	248	.4
RS-27R	22.46	44.5	19	281	.81	27.3	<.04	1084	.9
RS-28R	19.89	47.9	82	694	1.62	2.5	.83	889	.5
RS-29R	9.34	37.7	64	37	1.34	11.4	2.01	264	.6
RE RS-29R	9.06	34.7	115	36	1.33	8.5	1.92	272	.6
STANDARD DS2	34.44	175.1	268	929	3.93	184.2	11.84	975	2.4

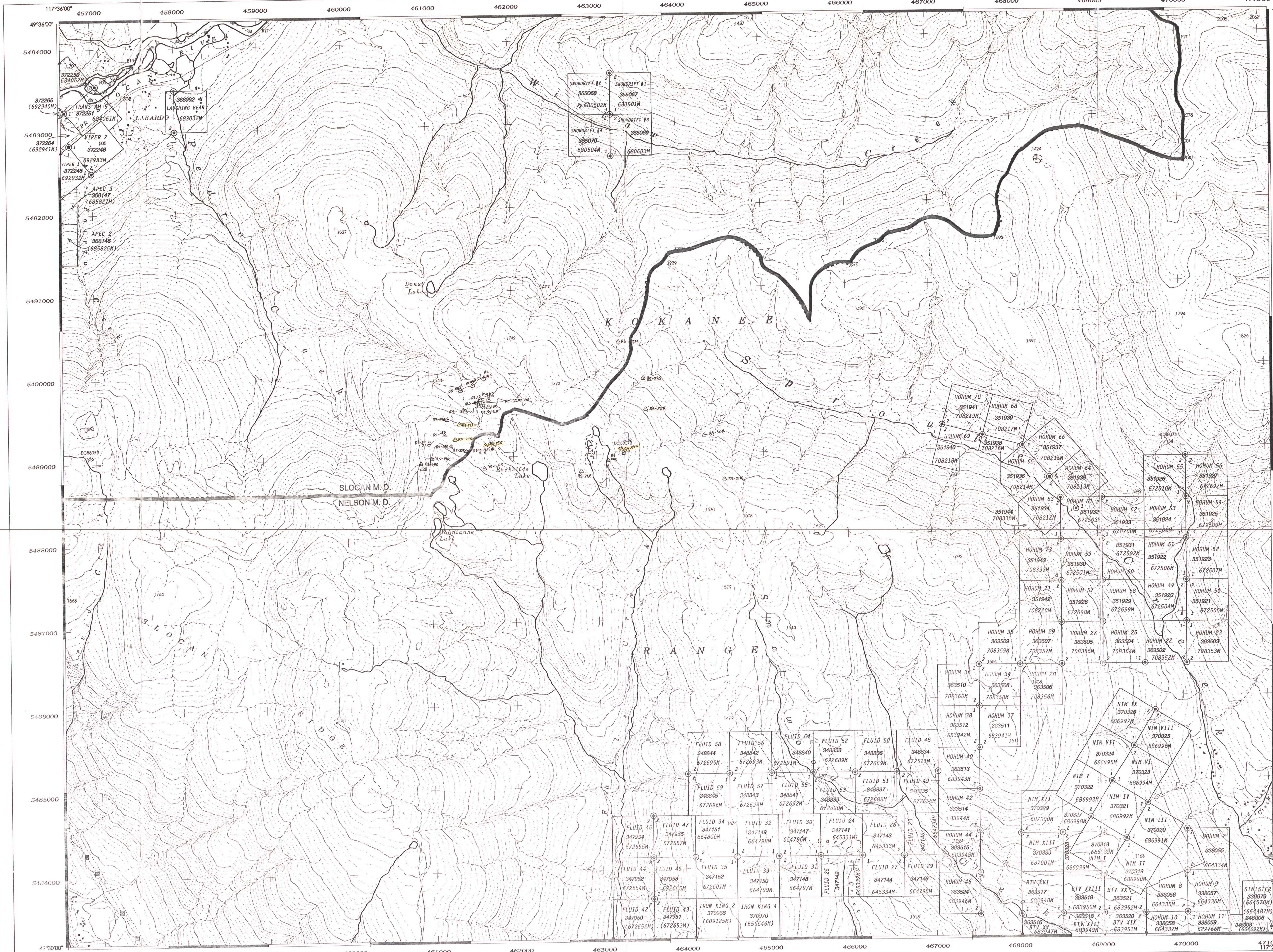
GROUP 1T-MS - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, GA, W, SC = 100 PPM; CO, MO, SB, TH, U, CE, CS, LI, NB, RB, TA, Y, ZR = 2000 PPM; AS, BA, CU, LA, MN, NI, PB, SR = 10,000 PPM. SOME ELEMENTS ARE PARTIALLY LOST DUE TO VOLATILIZATION, ANALYSIS BY ICP-MS.
- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 1 2000 **DATE REPORT MAILED:** Aug 17/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Gold from 1T-MS. need to be confirmed by fire assay.

Data FA

82F-053



M082F053

MINERAL LEGEND

ADMINISTRATIVE AREAS

MINING DIVISION(S): NELSON AND SLOCAN

LAND DISTRICT(S): KOOTENAY

ADMINISTRATIVE BOUNDARIES

- MINING DIVISION
- LAND DISTRICT
- PROVINCIAL BOUNDARY
- INTERNATIONAL BOUNDARY

NO STAKING RESERVE

ECOLOGICAL RESERVE, PARK, OR RECREATION AREA

INDIAN RESERVE (SEE NOTES 1) — I.R. 11

CONDITIONAL AREA

SUBJECT TO CONDITION RESERVE, RELEASE REQUIRED RESERVE, SECTION 23 RECREATION AREA, (SEE NOTES 2) OR URANIUM / THORIUM REGULATION (SEE NOTES 3)

MINERAL TENURES

- MINERAL CLAIM
- MINING LEASE
- INDUSTRIAL MINERAL TITLE

MINING LEASE	ML
INDUSTRIAL MINERAL	IM
CLAIM NAME	EXAMPLE
TENURE NUMBER	234567
TAG NUMBER	243765
CLAIM SIZE (UNITS)	4NX3W
LEGAL POST	
WITNESS POST	WP
TENURE HOOK	
VERIFIED	VER
SURVEYED	SUR
GLOBAL POSITIONING SYSTEM	GPS
CROWN GRANTED 2 POST CLAIM	CG
F LOT (Real Estate Lot)	F

REVERTED C.G. 2 POST CLAIMS

Reverted C.G. (Not Open for Staking)	RCG
Bid Lot	BID
R.C.G. (Issued under a former Act)	FA

PLANIMETRIC LEGEND

DRAINAGE AND RELATED FEATURES

COASTLINE, DEFINITE / INDEFINITE
RIVER / STREAM, DEFINITE / INDEFINITE
LAKE, DEFINITE
LAKE, INDEFINITE
DAM
DYKE
SAND / GRAVEL BAR
FLOODED LAND
SWAMP / MARSH
FALLS / RAPIDS
ICE FIELD / GLACIER
RESERVOIR, DEFINITE
RESERVOIR, INDEFINITE

CLIFF / SCARP
ESKER
SLIDE

LANDMARK FEATURE

MINE
PIER / WHARF
PIPELINE
QUARRY
TRANSMISSION LINE

TRANSPORTATION FEATURES

AIRFIELD
CUTLINE / SEISMIC LINE
RAIL LINE
ROAD, SURFACE PAVED
ROAD, SURFACE LOOSE
ROAD, SURFACE ROUGH / TRAIL
BRIDGE

CONTROL DATA

HORIZONTAL CONTROL POINT, MARKED
VERTICAL CONTROL POINT, MARKED
MAJOR CONTOUR
MINOR CONTOUR
CONTOUR INTERVAL - 20 METRES

DISCLAIMER

This map is prepared only as a guide to the location of mineral tenure as shown on the locator's sketches. For current or more specific information, application should be made to the appropriate Gold Commissioner.

SOURCES OF INFORMATION

Planimetric and topographic information is obtained from the Terrain Resource Information Management (TRIM) base mapping program. For information contact Geographic Data BC, Ministry of Environment, Lands and Parks. Source Date: 1996 DEC 24

Cadastre produced from spatial data is obtained from the Cadastral Data Management System (CDMS). For more information contact the Surveyor General Branch, Ministry of Environment, Lands and Parks. Source Date: 1997 NOV 19

This map depicts only the mineral tenure theme. For the placer tenure theme see appropriate placer map and for the coal tenure theme see appropriate coal map.

Additional tenure information is available on the Internet: http:// www.em.gov.bc.ca /mida

NOTES FROM MINERAL LEGEND

1. Staking is not permitted within Indian Reserves.
2. Staking is not permitted over Section 23 Recreation Areas due to a No Staking Reserve. (B.C. Reg. 97 / 97)
3. For Uranium and Thorium Regulations, please refer to Mines Act.

MISCELLANEOUS NOTES

Staking is not permitted over all Crown Granted Lots issued since August 15, 1988. (B.C. Reg. 138 / 94)

Staking is not permitted within tidal waters. (B.C. Reg. 100 / 68)

Surface lots with mineral rights are not shown.

Please refer to the Mineral Tenure Act , Mineral Tenure Act Regulation, Mines Act, and the Guide to Staking in British Columbia for more complete information.

GOLD COMMISSIONER OFFICES

CARIBOO
102 350 Barlow Street
Quesnel BC V2J 2C1
Public Query: (250) 992-4301
FAX: (250) 992-4314
Mining Division: Cariboo

VANCOUVER ISLAND
3001 1810 Blanshard Street
P O Box 9322 Stn Prov Govt
Victoria BC V8W 9N3
Public Query: (250) 952-0542
FAX: (250) 952-0541
Mining Divisions: Alberni, Nanaimo, and Victoria

OMINECA
1020 Murray Street Bag 5000
Smithers BC V0J 2N0
Public Query: (250) 847-7207
FAX: (250) 847-7232
Mining Division: Omineca

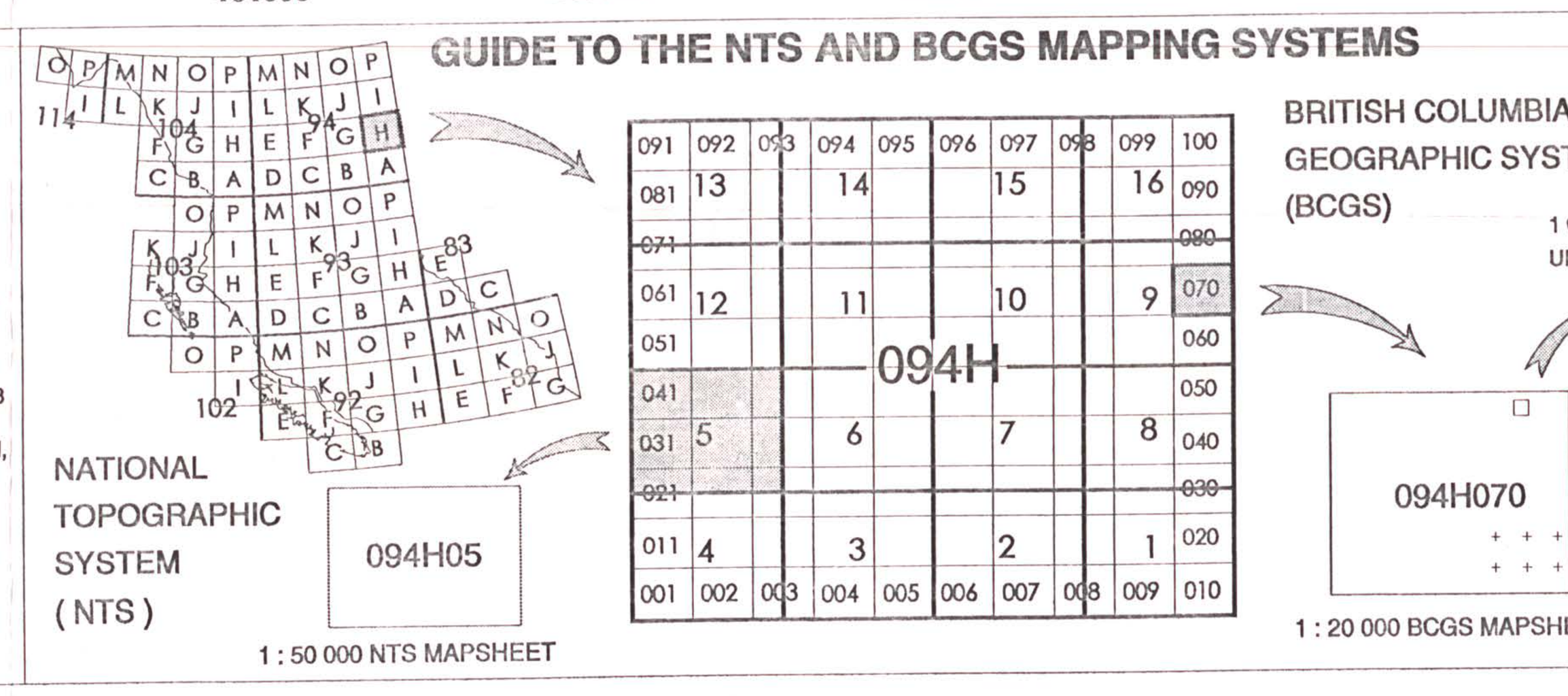
COAST / LIARD
302 865 Hornby Street
Vancouver BC V6Z 2G3
Public Query: (604) 660-2672
FAX: (604) 660-2653
Mining Divisions: Atlin, Clinton, Liard, Lillooet, Skeena, New Westminster, and Vancouver

KAMLOOPS / OKANAGAN
250 455 Columbia Street
Kamloops BC V2C 6K4
Public Query: (250) 828-4540
FAX: (250) 828-4233
Mining Divisions: Kamloops, Nicola, Osoyoos, Revelstoke, Similkameen, and Vernon

EAST KOOTENAY
100 Cranbrook Street North
Cranbrook BC V1C 3P9
Public Query: (250) 426 1211
FAX: (250) 426-1253
Mining Divisions: Fort Steele and Golden

KOOTENAY
310 Ward Street
Nelson BC V1L 5S4
Public Query: (250) 354-6103
FAX: (250) 354-6407
Mining Divisions: Greenwood, Nelson, Slocan, and Trail Creek

GUIDE TO THE NTS AND BCGS MAPPING SYSTEMS



T.N. 19° 45' Magnetic North
MAGNETIC DECLINATION AS OF 1992
8.1'

0-82F06	082F063	082F064
082F052	082F053	082F054
082F042	082F043	082F044

INDEX TO ADJOINING MAPS

1000 m 0 1 km

ORIGINAL PRODUCED AT 1: 20 000

LAST MAP UPDATE: 1999 NOV 05

Map Version: 0006

BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES
ENERGY AND MINERALS DIVISION
MINERAL TITLES BRANCH

MINERAL TITLES REFERENCE MAP
M082F053
1983 North American Datum
U.T.M. Coordinate System - Zone 11
Compilation Date: 1998 JUL 15

△ - SAMPLE LOCATIONS
△ RS-01R - Rock samples
△ RS-01S - Stream Sediment Samples

BEST Rock SAMPLE RESULTS RS-02R 278.8 ppm Mo 1420ppm Cu
RS-03R 19664 PPM Cu 40.4 PPM Ag 208Ni 366 Co

BEST Stream Sediment Results RS-15S 211 ppm pb 2241 mn 903 Ba
RS-17S 280 PPm Pb 116 Zn .9 ppm Ag 4732mn 914Ba
RS-24S 149.62 ppm pb 196.9 Zn 2181 mn 1150 Ba

00-14 pg. 79.

HUDU CREEK PROJECT

(HC)

D. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Regulations 15 to 17, pages 6 and 7.**

SUMMARY OF RESULTS

- This summary section must be filled out by all grantees, one for each project area

Information on this form is confidential subject to the provisions of the *Freedom of Information Act.*

Name Bruce Doyle Reference Number 2000/2001-#46

LOCATION/COMMODITIES

Project Area (as listed in Part A) Hudu creek MINFILE No. if applicable

Location of Project Area NTS 082F/043 UTM Lat 0462445E Long 5449269N

Description of Location and Access 15km SE of Castlegar B.C.

Prospecting Assistants(s) - give name(s) and qualifications of assistant(s) (see Program Regulation 13, page 6)

Main Commodities Searched For GOLD, SILVER, LEAD, ZINC, COPPER, TUNGSTEN

Known Mineral Occurrences in Project Area NONE

WORK PERFORMED

1. Conventional Prospecting (area) 8 Days prospecting in an area Approx 4km x 3km x 1km
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples) 3 Soil, 9 Stream Sediment, 10 Rock Samples
4. Geophysical (type and line km)
5. Physical Work (type and amount)
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

Best Discovery

Project/Claim Name Hudu Creek Commodities Zn

Location (show on map) Lat. 0462445E Long 5449269N Elevation 731.52M

Best assay/sample type GRAB outcrop 2098 ppm Zn
Pan Concentrate Sample 1441.5 ppb Au

Description of mineralization, host rocks, anomalies Host rocks for the Zinc mineralization are Hornfels & skarn Limestone. Mineralization was fine grained pyrite & pyrrhotite that was semi massive with trace amounts of black Sphalerite. Pan Concentrate Sample that gave 1441.5ppb Au contained visible gold flakes. The gold was well rounded and was probably transported from another area.

FEEDBACK: comments and suggestions for Prospector Assistance Program

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS

- Those submitting a copy of an Assessment Report or a report of similar quality that covers all the key elements listed below are not required to fill out this section.
- Refer to Program Regulation 17D on page 6 for details before filling this section out (use extra pages if necessary)
- **Supporting data must be submitted with the following TECHNICAL REPORT or any report accepted in lieu of.**

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act*.

Name Bruce Doyle Reference Number 2000/2001 p46

1. **LOCATION OF PROJECT AREA** [Outline clearly on accompanying maps of appropriate scale.]

Hudu Creek

2. **PROGRAM OBJECTIVE** [Include original exploration target.]

To explore for vein, breccia, skarn style gold, silver, lead, zinc, copper, tungsten mineralization.

3. **PROSPECTING RESULTS** [Describe areas prospected and significant outcrops/float encountered. Mineralization must be described in terms of specific minerals and how they occur. These details must be shown on accompanying map(s) of appropriate scale; prospecting traverses should be clearly marked.]

The main area prospected was west of the powerline and north to the height of land. No veins or encouraging outcrops were observed. The major rock type encountered was unaltered granodiorite. The only interesting outcrop observed was at the valley bottom under the powerline. Mineralization found there was semi massive pyrite & pyrrhotite in altered limestone. This mineralization is at the contact of an intrusion.

D. TECHNICAL REPORT (continued)

REPORT ON RESULTS (continued)

4. GEOCHEMICAL RESULTS [Describe all survey types done (rock, soil, silt) and their objective. Show clearly on accompanying map(s) of appropriate scale all sample sites along with all significant values. Any anomalous areas should be indicated on maps by the use of contouring, variable symbol sizes, or some other suitable technique. Include a discussion/interpretation of results. A copy of analysis/assay certificates **must** be included with sample numbers from map. Details of individual rock samples taken are encouraged. Significant geochemical values obtained must be stated.]

10 rock samples were taken on the hudu creek project. most values were very low, only 1 rock sample gave elevated Zinc values. (2098ppm Zn) Other elements were very low. Three soil samples were taken around the area where the pyrite and pyrrhotite, Zinc mineralization was observed. The soils were to test an overburden covered area, but results were low and no more samples were taken. There were nine stream sediment samples taken. Several of the samples returned elevated gold numbers. It was determined that some of the gold found while sampling may have been transported due to the rounded look it had. Overall results on this project were not great and after eight days of prospecting it was time to move on.

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852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002570

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb	Sample gm
HC-03S	.2	10	6	27	.2	10	9	167	4.21	5	3	3	14	13	<.2	<.5	1.8	186	.25	.075	13	39	.26	33	.039	<1	.43	.004	.04	1	<1	1.1	<1	.01	4	1441.5	53.11
HC-05S	.4	14	5	27	.2	10	15	171	3.15	16	2	<2	7	11	.2	<.5	.9	134	.21	.071	10	33	.23	31	.039	2	.44	.004	.04	1	<1	1.2	<1	.19	5	197.1	62.00
HC-06S	.2	14	6	30	.1	9	12	190	4.34	7	3	<2	11	13	.3	<.5	.6	196	.31	.112	13	38	.27	32	.042	<1	.48	.004	.05	1	<1	1.2	<1	.03	5	185.5	47.36
HC-07S	<.2	5	2	30	<.1	3	2	194	3.31	2	<1	<2	3	9	<.2	<.5	<.5	138	.26	.082	6	29	.29	33	.053	7	.45	.004	.02	<1	<1	1.1	<1	<.01	4	430.1	19.69
HC-10S	<.2	5	<2	25	<.1	3	3	173	5.64	3	<1	<2	10	7	<.2	<.5	<.5	278	.26	.101	10	47	.16	25	.054	10	.35	.003	.01	<1	<1	.7	<1	<.01	5	589.9	14.62
HC-11S	<.2	13	4	29	<.1	8	11	204	4.08	7	1	<2	7	14	<.2	<.5	<.5	168	.35	.136	15	34	.31	38	.048	2	.45	.005	.07	1	<1	1.6	<1	.03	9	9.3	30.36
STANDARD	14.3	126	32	160	.3	38	11	850	2.86	61	27	<2	4	32	11.1	11.8	10.7	82	.56	.092	17	173	.62	159	.102	1	1.71	.033	.17	8	<1	4.8	1	.03	9	471.7	50.00

Standard is STANDARD DS2.

GROUP 1DX - TOTAL SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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: PAN CONC. AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (TOTAL SAMPLE)

DATE RECEIVED: JUL 25 2000 DATE REPORT MAILED: Aug 2/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002568

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
HC-04R	3.8	8	7	41	.2	7	10	821	2.56	14	2	<2	7	25	.2	<.5	<.5	11	1.09	.075	8	11	.23	112	.001	3	.63	.031	.30	1	<1	3.3	<1	.21	4	7.0
HC-13R	1.4	258	9	80	.3	15	39	378	5.34	8	<1	<2	<1	8	.2	.7	5.5	193	.57	.094	2	14	.96	54	.242	1	1.21	.086	.36	1	<1	4.9	<1	2.46	9	5.0
HC-14R	4.4	142	117	2098	.5	31	18	279	6.68	3	2	<2	2	12	10.7	<.5	4.4	32	1.65	.471	13	21	.25	29	.118	176	.40	.038	.03	3	<1	1.5	<1	2.36	4	4.2
HC-15R	2.4	181	18	531	.4	30	24	275	5.40	10	2	<2	3	10	2.6	.8	3.9	26	1.75	.435	15	12	.12	22	.141	425	.34	.047	.01	4	<1	1.7	<1	4.28	4	2.3
RE HC-15R	2.3	181	17	526	.4	28	23	254	5.33	10	1	<2	2	9	2.5	.6	3.8	23	1.68	.413	14	12	.11	20	.136	394	.32	.046	.01	4	<1	1.7	<1	4.16	4	2.3

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm) Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 25 2000 DATE REPORT MAILED: Aug 4/00 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.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A002569

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

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	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au* ppb
HC-08S	.6	23	31	63	.3	13	6	471	2.23	6	12	<2	4	45	.7	1.6	2.2	77	.80	.101	16	31	.42	133	.095	4	1.39	.013	.15	1	<1	3.3	<1	.05	7	3.9
HC-09S	.7	34	30	63	.7	12	5	468	1.74	4	11	<2	1	53	1.5	1.0	1.8	55	1.12	.081	17	23	.34	101	.084	7	1.14	.014	.13	2	<1	3.0	<1	.06	6	2.8
RE HC-09S	.6	34	30	63	.7	12	5	464	1.74	5	11	<2	2	53	1.6	.6	1.4	55	1.10	.083	17	24	.34	102	.080	8	1.13	.013	.13	1	<1	3.1	<1	.06	6	2.5

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
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: MOSS MAT AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 25 2000 DATE REPORT MAILED: Aug 3/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /A PA ____

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GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A003389

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
HC-16R	.59	27.06	2.30	61.8	64	13.8	13.2	514	2.97	1.1	.7	1.7	7.9	16.2	.07	.09	.04	77	.29	.104	20.1	35.2	1.31	51.4	.003	<1	1.86	.023	.05	1.3	3.4	<.02	<.01	<5	<.1	<.02	9.6	15
HC-17R	1.82	11.29	6.45	37.5	135	13.2	6.6	234	1.67	.9	.6	7.4	3.7	12.9	.14	.07	.05	42	.20	.078	13.7	43.4	.75	23.9	.003	<1	1.04	.026	.02	2.5	1.9	<.02	<.01	<5	<.1	<.02	5.0	15
HC-18R	.96	6.08	5.38	45.9	201	8.9	7.9	308	1.97	1.7	.9	156.1	4.4	9.2	.17	.12	.09	50	.16	.066	12.4	27.6	.84	33.6	.004	<1	1.14	.031	.05	2.8	2.4	<.02	<.01	<5	<.1	<.02	5.8	15
HC-19R	4.10	67.98	83.95	20.7	1179	7.9	5.6	85	1.23	8.2	.3	6.6	.9	7.6	.23	.37	.30	14	.22	.013	2.9	25.5	.12	21.3	.045	1	.31	.005	.07	4.3	.8	.04	.47	<5	5.0	.08	1.3	15
HC-20R	19.02	191.39	321.70	94.6	3247	11.9	2.3	86	2.76	15.9	.1	4.1	.8	4.1	.27	2.58	2.24	23	.02	.014	4.0	25.8	.16	57.0	.008	<1	.41	.006	.06	3.8	.9	.03	.75	5	5.2	.21	2.6	15
HC-24R	1.65	232.00	6.21	40.9	190	11.0	30.5	355	4.41	2.0	.1	26.3	.3	9.2	.09	.36	.08	143	.54	.094	2.2	13.2	.78	71.4	.229	2	1.16	.049	.04	1.0	3.1	.03	1.71	<5	1.0	.03	6.9	15
RS-30R	1.64	5.42	2.12	2.8	19	3.6	.4	50	.28	.2	<.1	2.4	<.1	5.4	<.01	.06	.02	<2	.01	.001	.5	22.8	<.01	8.2	.001	1	.02	.003	.01	7.2	.1	.03	.01	<5	<.1	.02	.1	15
RS-31R	4.99	6.17	4.71	20.1	2683	3.5	2.4	53	1.32	.5	<.1	26.2	.1	14.7	.69	.03	5.27	6	.01	.008	.9	28.8	.03	10.4	.006	2	.10	.011	.03	6.6	.3	<.02	.48	<5	.1	1.98	.8	15
RS-32R	2.09	5.70	24.48	119.4	457	4.7	3.3	251	.89	.1	.3	6.1	6.5	14.1	.48	.03	.17	3	.04	.003	3.5	13.5	.02	60.2	<.001	<1	.31	.002	.19	3.8	.4	.03	.04	7	<.1	.12	.8	15
RS-33R	2.77	8.07	28.59	292.7	4928	3.0	4.5	368	1.08	.3	.6	11.4	1.4	107.7	1.87	.03	.12	12	.19	.064	19.4	11.2	.04	459.3	.003	1	.53	.003	.44	1.7	1.0	.11	.06	8	.2	1.22	1.4	15
RS-34R	1.77	4.55	6.98	15.0	70	2.9	1.6	187	.76	.2	<.1	1.5	.6	14.6	.05	.04	.53	3	.01	.005	3.0	11.8	.01	319.8	.001	<1	.17	.035	.10	3.1	.3	.02	.09	6	<.1	.10	.5	15
RS-35R	2.22	2.75	8.60	16.9	62	2.8	1.6	259	.89	.3	<.1	4.0	.6	18.9	.03	.03	.62	5	.01	.007	3.3	14.0	.01	632.4	.001	<1	.20	.035	.11	2.8	.3	.02	.10	<5	<.1	.08	.6	15
RE RS-35R	2.15	2.77	8.03	15.8	61	2.8	1.6	244	.85	.3	<.1	1.1	.6	18.6	.03	.02	.56	4	.01	.007	3.2	12.9	.01	590.9	.001	<1	.19	.033	.11	2.6	.3	.02	.09	<5	.2	.07	.6	15
STANDARD DS2	13.99	128.09	31.98	150.9	249	35.9	11.5	796	2.96	56.1	20.1	200.0	3.6	28.4	10.47	9.84	10.41	72	.52	.088	16.1	159.7	.58	150.6	.092	2	1.66	.029	.16	7.8	3.0	1.80	.02	216	2.1	1.83	6.0	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 6 2000 DATE REPORT MAILED: Sept 19/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Doyle, Bruce File # A003390

1424 Crease Ave, Nelson BC V1L 1A2 Submitted by: Bruce Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	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	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Sample gm
HC-21S	.55	23.81	17.69	131.3	250	54.7	12.5	365	2.59	7.8	1.6	1.8	4.3	17.9	.81	.91	.23	56	.22	.298	12.0	47.7	.76	254.0	.161	1	3.30	.012	.11	.4	2.9	.17	.02	53	.3	.03	9.5	15
HC-22S	.57	25.95	12.72	94.6	180	64.0	14.5	382	2.67	6.2	1.7	1.9	4.9	22.5	.49	.31	.20	55	.31	.210	13.2	58.3	1.00	226.6	.193	1	3.51	.014	.15	.3	3.0	.17	<.01	47	.3	.04	10.0	15
HC-23S	.63	28.37	28.44	100.5	275	83.1	16.1	420	2.61	7.0	3.9	3.9	4.9	27.2	1.03	1.07	.25	54	.48	.158	13.4	77.0	1.27	235.2	.182	2	3.14	.013	.09	.3	2.7	.16	.01	63	.6	<.02	9.7	15
RE HC-23S	.62	29.11	29.33	102.3	278	84.6	16.0	433	2.67	7.1	4.1	10.3	5.2	27.6	1.05	1.16	.25	55	.49	.160	13.9	80.2	1.29	242.5	.191	2	3.23	.013	.09	.3	2.8	.15	.01	65	.6	.04	9.8	15
STANDARD DS2	14.57	127.00	34.25	161.3	269	35.8	12.2	829	3.08	58.8	19.1	199.2	3.6	27.3	10.42	9.64	10.92	73	.53	.090	16.5	157.0	.60	152.2	.091	2	1.70	.026	.16	7.3	3.0	1.78	.03	244	2.2	1.85	5.9	15

GROUP 1F15 - 15.00 GM SAMPLE, 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML, ANALYSIS BY ICP/ES & MS.
UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 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: SEP 6 2000 DATE REPORT MAILED: Sept 14/00 SIGNED BY. C. L. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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M082F023

MINERAL LEGEND

ADMINISTRATIVE AREAS

MINING DIVISION(S): NELSON

LAND DISTRICT(S): KOOTENAY

ADMINISTRATIVE BOUNDARIES

- MINING DIVISION
- LAND DISTRICT
- PROVINCIAL BOUNDARY
- INTERNATIONAL BOUNDARY
- NO STAKING RESERVE
- ECOLOGICAL RESERVE, PARK, OR RECREATION AREA
- INDIAN RESERVE (SEE NOTES 1) — I.R. 11
- CONDITIONAL AREA — SUBJECT TO CONDITION RESERVE, RELEASE REQUIRED RESERVE, SECTION 23 RECREATION AREA, (SEE NOTES 2) OR URANIUM / THORIUM REGULATION (SEE NOTES 3)

MINERAL TENURES

- MINERAL CLAIM
- MINING LEASE
- INDUSTRIAL MINERAL TITLE
- MINING LEASE — ML
- INDUSTRIAL MINERAL — IM
- CLAIM NAME — EXAMPLE
- TENURE NUMBER — 234567
- TAG NUMBER — 243765
- CLAIM SIZE (UNITS) — 4NX3W
- LEGAL POST
- WITNESS POST — WP
- TENURE HOOK
- VERIFIED — VER
- SURVEYED — SUR
- GLOBAL POSITIONING SYSTEM — GPS
- CROWN GRANTED 2 POST CLAIM — CG
- F LOT (Real Estate Lot) — F

REVERTED C.G. 2 POST CLAIMS

- Revested C.G. (Not Open for Staking) — RCG
- BID LOT — BID
- R.C.G. (Issued under a former Act) — FA

PLANIMETRIC LEGEND

DRAINAGE AND RELATED FEATURES

- COASTLINE, DEFINITE / INDEFINITE
- RIVER / STREAM, DEFINITE / INDEFINITE
- LAKE, DEFINITE
- LAKE, INDEFINITE
- DAM
- DYKE
- SAND / GRAVEL BAR
- FLOODED LAND
- SWAMP / MARSH
- FALLS / RAPIDS
- ICE FIELD / GLACIER
- RESERVOIR, DEFINITE
- RESERVOIR, INDEFINITE
- CLIFF / SCARP
- ESKER
- SLIDE

LANDMARK FEATURE

- MINE
- PIER / WHARF
- PIPELINE
- QUARRY
- TRANSMISSION LINE

TRANSPORTATION FEATURES

- AIRFIELD
- CUTLINE / SEISMIC LINE
- RAIL LINE
- ROAD, SURFACE PAVED
- ROAD, SURFACE LOOSE
- ROAD, SURFACE ROUGH / TRAIL
- BRIDGE

CONTROL DATA

- HORIZONTAL CONTROL POINT, MARKED
- VERTICAL CONTROL POINT, MARKED
- MAJOR CONTOUR
- MINOR CONTOUR
- CONTOUR INTERVAL - 20 METRES

0 - 250 ppb Au
250 - 1000 ppb Au
Stream Sediment Sample > 1000 ppb Au
Soil Sample Locations
Rock Sample Locations
Approx Area Prospected
Visible SKARN in Limestone

DISCLAIMER

This map is prepared only as a guide to the location of mineral tenure as shown on the locator's sketches. For current or more specific information, application should be made to the appropriate Gold Commissioner.

SOURCES OF INFORMATION

Planimetric and topographic information is obtained from the Terrain Resource Information Management (TRIM) base mapping program. For more information contact Geographic Data BC, Ministry of Environment, Lands and Parks. Source Date: 1995 MAY 12

Cadastre produced from spatial data is obtained from the Cadastral Data ...gement System (CDMS). For more information contact the Surveyor ... Branch, Ministry of Environment, Lands and Parks. ...ate: 1997 DEC 19

... depicts only the mineral tenure theme. For the placer tenure ... see appropriate placer map and for the coal tenure theme see appropriate coal map.

Additional tenure information is available on the Internet: http:// www.em.gov.bc.ca /mida

NOTES FROM MINERAL LEGEND

1. Staking is not permitted within Indian Reserves.
2. Staking is not permitted over Section 23 Recreation Areas due to a No Staking Reserve. (B.C. Reg. 97 / 97)
3. For Uranium and Thorium Regulations, please refer to Mines Act.

MISCELLANEOUS NOTES

Staking is not permitted over all Crown Granted Lots issued since August 15, 1988. (B.C. Reg. 138 / 94)

Staking is not permitted within tidal waters. (B.C. Reg. 100 / 68)

Surface lots with mineral rights are not shown.

Please refer to the Mineral Tenure Act , Mineral Tenure Act Regulation, Mines Act, and the Guide to Staking in British Columbia for more complete information.

GOI

CARIBOO
102 350 Barlow Street
Quesnel BC V2J 2C1
Public Query: (250) 992-43
FAX: (250) 992-4314
Mining Division: Cariboo

VANCOUVER ISLA
3001 1810 Blanshard Stree
P O Box 9322 Stn Prov Go
Victoria BC V8W 9N3
Public Query: (250) 952-05
FAX: (250) 952-0541
Mining Divisions: Alberni, Nanaimo, and Victoria

OMINECA
1020 Murray Street Bag 5
Smithers BC V0J 2N0
Public Query: (250) 847-72
FAX: (250) 847-7232
Mining Division: Omineca

GUIDE TO THE NTS AND BCGS MAPPING SYSTEMS

094H05 — 1:50 000 NTS MAPSHEET

094H070 — 1 : 20 000 BCGS MAPSHEET

BRITISH COLUMBIA GEOGRAPHIC SYSTEM (BCGS) (Shown to scale)

1 CLAIM UNIT: 1640.42 ft = 500 m; 25 ha = 61.78 ac

(UTM) UNIVERSAL TRANSVERSE MERCATOR CROSS HAIRS EVERY 1000 METRES.

T.N. 18° 49' — MAGNETIC DECLINATION AS OF 1995 — 7.9°

INDEX TO ADJOINING MAPS

082F032	082F033	082F034
082F022	082F023	082F024
082F012	082F013	082F014

1000 m 0 1 km

ORIGINAL PRODUCED AT 1: 20 000

LAST MAP UPDATE: 1999 SEP 17

Map Version: 0003

BRITISH COLUMBIA

MINISTRY OF ENERGY AND MINES

ENERGY AND MINERALS DIVISION
MINERAL TITLES BRANCH

MINERAL TITLES REFERENCE MAP

M082F023

1983 North American Datum
U.T.M. Coordinate System - Zone 11
Compilation Date: 1998 JUL 15

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