86-59-14448
01/87

Owner: Leslie O. Allen

Operator: MONICA RESOURCES LTD.

GEOCHEMICAL, GEOPHYSICAL and GEOLOGICAL REPORT on the GRASSHOPPER 1 and 2 MINERAL CLAIMS GRASSHOPPER MOUNTAIN - TULAMEEN RIVER AREA

SIMILKAMEEN MINING DIVISION
TULAMEEN, BRITISH COLUMBIA

N. Lat. 49° ~~00'~~ 32.1' W. Long. 120° ~~00'~~ 53.5'

NTS 92H/10W

by

DAVID J. PAWLIUK, P. Geol.

STRATO GEOLOGICAL ENGINEERING LTD.
3566 King George Highway
Surrey, British Columbia V4A 5B6

DECEMBER 20, 1985

STRATO GEOLOGICAL ENGINEERING LTD.

SUMMARY

The Monica Resources Grasshopper Mountain property consists of 52 mineral claim units located some 25 kilometers northwest of Princeton, British Columbia. The property is accessible by gravel road from Tulameen, B. C.

Grid surveying, geological mapping, very low frequency electromagnetic surveying and geochemical soil and rock sampling were performed by Strato Geological Engineering Ltd. during October and November, 1985. As well, a review of previous work in the Rabbitt Mine area was carried out by the writer.

The intrusive contact between Tulameen Ultramafic Complex rocks and Late Triassic Nicola Group metavolcanics and metasediments exists within western and southern Grasshopper Mountain property.

Very low frequency electromagnetic survey results indicate that at least one of the EM conductors is probably caused by a fault or shear zone which may extend southerly from near the Rabbitt mine area.

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High chromium concentrations exist within Tulameen Ultramafic Complex rocks in the western Grasshopper Claim areas; these rocks contain platinum and palladium concentrations. Soils overlying these rocks also contain high chromium concentrations.

Gold veins, most notably the Rabbitt Mine vein system, are found within the Nicola Group rocks in the central and eastern claim areas.

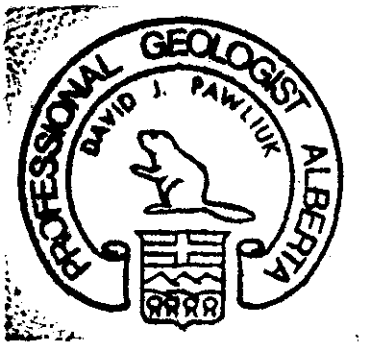
Further detailed geological mapping, geochemical sampling and geophysical surveying should be performed in the area of high chromium concentrations. The gold vein system in the Rabbitt mine area should be further explored by underground mapping and diamond drilling. A two-stage program of mineral exploration is recommended at an estimated total cost of $ 300,000.

Respectfully submitted,
Strato Geological Engineering Ltd.

David J Pawliuk

D. J. Pawliuk, P. Geol.

December 20, 1985.



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INTRODUCTION

Pursuant to a request by the directors of Monica Resources Ltd., Suite 100 - 450 West Georgia Street, Vancouver, British Columbia, grid surveying, geological, geophysical and geochemical surveys were performed within the Grasshopper 1 and Grasshopper 2 mineral claims. Field work was conducted from October 24 to November 2, 1985.

The Grasshopper Mountain property is located 25 kilometers northwest of Princeton, British Columbia. The property contains 52 claim units and is accessible by gravel road from Tulameen, B. C.

The intent of the present work was to perform an evaluation of the Grasshopper claims. The results of grid surveying, geological, geophysical and geochemical surveys are presented in this report along with recommendations for further exploration of the Rabbitt gold vein system.

LOCATION, ACCESS AND TOPOGRAPHY

Monica Resources Ltd.'s Grasshopper Mountain property is 25 kilometers northwest of Princeton, British Columbia (Figure 1). The property lies within NTS map-sheet 92 H/10W at approximately 49 degrees 33' north latitude and 120 degrees 53' west longitude.

Access to the property is by 4 WD vehicle from Tulameen via the Lawless Creek road to the northern claim areas and via the Tulameen River road to the southern areas. A rough 4WD road also provides access to the central property areas.

Ground surface elevations within the Grasshopper Mountain property range from 853 meters to 1,402 meters above sea level. Topographic relief over most of the property is moderate to rugged (Figure 2).

CLAIM STATUS

The Monica Resources property comprises the following claims (Figure 3).

Claim Name	Units	Record No.	Expiry Date
Gold Mount	12	340 (5)	May 8, 1989
Gail Gold	4	341 (5)	May 8, 1989
Weldonna	1	344 (5)	May 8, 1989
Bonanza Gold	1	573 (5)	May 11, 1989
Bonanza - Queen and Nevada	1	511 (2)	Feb. 12, 1989
Ace	8	1381 (3)	March 16, 1989
Gold Creek	4	1382 (3)	March 16, 1989
Grasshopper 1	10	1803 (1)	Jan. 10, 1986
Grasshopper 2	10	1804 (1)	Jan. 10, 1986
Au Fraction	1	1947 (6)	June 15, 1989

Work has been filed on the Grasshopper 1 and Grasshopper 2 calims, this report being part of that work, to keep the claims in good standing until January 10, 1987.

HISTORY

The exploration history of Monica Resources Ltd.'s Tulameen River property which includes the Grasshopper 1 and 2 mineral claims, was outlined in detail by Tully (1983).

The Grasshopper 1 and 2 mineral claims were recorded December 12, 1978 by R. Bilquist and mineral claims were prospected by Bilquist (1979) who also performed a geochemical survey (Bilquist and Culbert, 1982); the survey results indicated that rocks in this area contain up to 825 parts per billion (ppb) platinum and up to 345 ppb palladium.

GEOLOGY

The Grasshopper Mountain property is underlain by Late Triassic Nicola Group metavolcanics and metasediments. These rocks are intruded by the zoned Tulameen Ultramafic Complex in the western portion of the property (Figures 4 and 5).

Platinum and chromium are associated with ultramafic rocks, and have been found in some parts of the Tulameen Ultramafic Complex (Kemp, 1902; Hedley, 1937). Gold-bearing quartz veins occur within Nicola Group rocks in the Grasshopper Mountain

region at the Rabbitt Mine and at other locales (Wares, May 17, 1984 and August 9, 1984; Steiner, 1979). The gold-bearing quartz veins usually contain galena, chalcopyrite and pyrite.

Nicola Group metasediments (unit 1) within the Grasshopper Mountain property are often black, very fine grained, thinly and finely bedded argillite. The area of unit 1 outcrop in the southwestern corner of the map-area is conglomerate. This conglomerate is brown-grey on weathered surface and contains subrounded to subangular clasts up to 30cm in diameter which form about 40 per cent of the rock volume; no bedding nor sorting of clasts was observed within the conglomerate.

Rock outcrops of the Tulameen Ultramafic Complex (unit 3) within Grasshopper claims areas generally consist of dark, green-black, medium to coarse grained, massive, dense rock often containing abundant hornblende. Unit 3 generally has a mottled weathered surface. Unit 3 locally contains pyrite traces and, rarely, abundant epidote.

VERY LOW FREQUENCY ELECTROMAGNETIC SURVEY

A very low frequency electromagnetic (VLF-EM) survey was performed at Grasshopper Mountain property in order to utilize bedrock conductivity as an aid to mapping geology. A Sabre VLF-

EM receiver, serial number 27, was used to detect signals from the NPG Seattle, WA. transmitter station. Readings were taken at 50 meter intervals along grid lines and along the Tulameen River road. Profiles of survey readings are plotted on Figure 8. Survey readings were Fraser filtered and contoured (Figure 9).

DISCUSSION

A number of electromagnetic conductors were outlined on the Grasshopper claims (Figure 9). The conductive zones are about 300 meters apart, show good strike length and generally trend south to south-southeasterly. The 600 meter conductor located from 9+00S, 3+00W to 15+00S, 1+50W may be the electromagnetic expression of the southern extension of a fault or shear zone mapped by Wares (August 1984) in the northern claims area.

No evidence for this fault or shear zone was observed during the present geological mapping; however, thick accumulations of snow covered most of the higher portions of the property and hampered geological mapping.

GEOCHEMICAL SOIL SURVEY

One hundred seventy-nine geochemical soil samples were collected from "B" horizon soils at depths of between 20 and 30 centimeters. The soils were analyzed for gold, silver, chromium, nickel, cobalt and copper by Acme Analytical Laboratories Ltd., Vancouver, British Columbia.

All analyses were performed using the inductively coupled argon plasma (ICP) method with the exception of gold which was analyzed by the atomic absorption (AA) method. The soils were collected at 50 meter intervals along grid lines. Laboratory certificates of analytical results form Appendix A.

ANALYTICAL RESULTS

The soils contain up to 2,200 parts per billion (ppb) gold, 5.6 parts per million (ppm) silver, 873 ppm chromium, 587 ppm nickel, 82 ppm cobalt and 695 ppm copper (Appendix A). The locations of soils which contain high concentrations of gold, silver and copper are plotted on Figure 6. Histograms for gold, silver and copper in the soils were plotted (Figure 10); histograms for nickel, cobalt and chromium comprise Figure 11. The locations of soils which contain high concentrations of nickel, cobalt and chromium are plotted in Figure 7.

DISCUSSION

An area of high chromium concentrations within soil exists in the western portion of the sampled area at the Grasshopper Mountain property (Figure 7). This area is near the presumed location of the contact between Nicola Group metavolcanic rocks and Tulameen complex ultramafic rocks. Other soils containing high metal values are scattered over the Grasshopper Mountain property, and are not concentrated near the surface trace of VLF-EM conductors (Figures 6 and 9).

GEOCHEMICAL ROCK SURVEY

Forty-six rock samples from the Grasshopper Mountain property were geochemically analyzed for gold, silver, chromium, nickel, cobalt and copper by Acme Analytical Laboratories Ltd., Vancouver, British Columbia. All analyses were performed using the Inductively Coupled Argon Plasma (ICP) method with the exception of gold which was analyzed by the atomic absorption (AA) method. Six rocks with chromium values of 99 ppm or greater were also analyzed for platinum and palladium by Acme Analytical Laboratories Ltd. using the fire assay/atomic absorption (FA/AA) method. The rock samples were collected at about 200 meter intervals along grid lines. Laboratory certificates of analytical results form Appendix A.

ANALYTICAL RESULTS

The 46 rocks contain up to 345 ppb gold, 1.0 ppm silver, 414 ppm chromium, 703 ppm nickel, 50 ppm cobalt and 327 ppm copper (Appendix A). The six rocks with chromium values of 99 ppm or greater contain up to 94 ppb platinum and 111 ppb palladium. Histograms were plotted for gold, silver and copper values (Figure 12) and nickel, cobalt and chromium values (Figure 13) within the rocks. The locations of rocks containing high metal concentrations are plotted on Figures 6 and 7. All platinum and palladium values are plotted on Figure 7.

DISCUSSION

An area of high chromium concentrations within rock exists in the western portion of the area sampled at Grasshopper Mountain property (Figure 7). Rocks from this area also contain concentrations of platinum and palladium. The area of high chromium concentrations is near the presumed location of the contact between Nicola Group metavolcanic rocks and Tulameen complex ultramafic rocks; soils in this area contain generally high chromium concentrations.

CONCLUSIONS

The intrusive contact between Tulameen Ultramafic Complex rocks and Late Triassic Nicola Group metavolcanics and metasediments exists within western and southern Grasshopper Mountain property.

In the Grasshopper claims area rock and soils geochemical sampling indicates high concentrations of chromium exist within the Tulameen Ultramafic Complex rocks. High chromium concentrations within Tulameen Ultramafic Complex rocks are associated with platinum and palladium concentrations.

A 600 meter long VLF-EM conductor in the east-central Grasshopper Mountain property is probably due to the presence of a fault or shear zone in the underlying bedrock. This zone trends north-northwesterly and may be the southern extension of a shear zone mapped west of the Rabbitt mine in 1984 (Wares).

A review of previous work on the property, as well as a cursory examination of the mine area, was also carried out. Results of previous exploration have indicated a good potential for defining additional ore zones and a two-stage program of mineral target definition is recommended.

RECOMMENDATIONS

Further detailed geochemical sampling, geological mapping, and geophysical surveying should be performed in the western and southern property areas. This work should define the area of high chromium, platinum and palladium concentrations within Tulameen Ultramafic Complex rocks and also delineate the contact between the ultramafic rocks and the Nicola Group rocks.

Mineral targets in the Rabbitt Mine area should be tested and further developed by an initial program of detail geological and geophysical surveys, backhoe/bulldozer trenching of known geochemical anomalies, diamond drilling of the Rabbitt and S.W. vein system, rehabilitation and geological mapping of the Rabbitt mine tunnel.

Contingent upon the results of a phase one program and an engineering recommendation to continue exploration it is proposed to further delineate mineral reserves with a program of surface and underground diamond drilling.

ESTIMATED COST OF THE PROPOSED WORK PROGRAM

PHASE 1

Diamond drilling - S.W. extension of Rabbitt vein zone, NQ wireline - 1500 feet @ $35.00/foot	$ 52,500.00

Bulldozer work - roads, snow clearance, drill pads, road construction, trenching, drill moves, etc. - allow	10,000.00
Clearing and rehabilitation of adit, tunnel, etc. - allow	4,200.00
Bulk sample of #2 showing, blasting (trenches, road work, etc.) - allow	2,700.00
Geophysical survey - SE-88 Genie system to further define targets for drill testing - allow	6,500.00
Geology - drill supervision, core logging, underground mapping and sampling, etc. - allow 30 days	6,500.00
Crew accomodations (5 men), meals, 4 WD trucks (2) - allow 30 days	12,000.00
Assaying - allow	4,000.00
Engineering and reports	6,500.00
Contingencies @ 15%	15,100.00
Estimated Cost Phase 1	$ 120,000.00

PHASE 2

Contingent upon a recommendation to continue exploration:

Diamond drilling - NQ wireline - allow 2500 ft. @ $ 35.00/foot	$ 87,500.00
D6/D8 Cat - roads, drill pads, snow removal, etc. - alow	6,500.00
Underground diamond drilling - allow 1200 ft. @ $ 26.00/foot	31,200.00
Underground rehabilitation, establish drill stations - Miner and Assistant	6,800.00
Assaying (including metallurgical tests) - allow	6,500.00

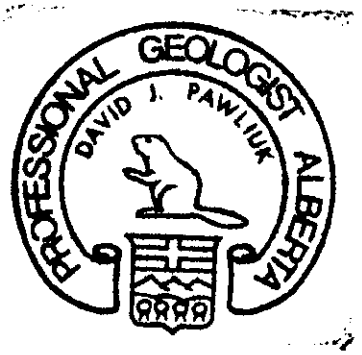
Crew accomodations, meals, 4 WD trucks (2), - allow 30 day program	9,500.00
Engineering and reports	8,500.00
Contingencies @ 15%	23,500.00
Estimated Cost Phase 2	$ 180,000.00
Total Estimated Cost Phase 1 and 2	$ 300,000.00

Respectfully submitted,
Strato Geological Engineering Ltd.

David J Pawliuk

D. J. Pawliuk, P. Geol.

December 20, 1985.



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Tully (1983)
Report on the Gold Mount, Gail Gold, Weldonna, Bonanza Gold, Ace, Gold Creek and former Bonanza Queen - Nevada Mineral Claim Group, Record Nos. 511(2), 1381, 1382(3), 340, 341, 344, 573(5), Grasshopper Mountain - Tulameen River Area, Similkameen Mining Division, British Columbia; unpublished report prepared for Monica Resources Ltd.

Wares, R. (May 17, 1984)
Report on the Rabbitt Mine - Gold Mount Claim Group, Grasshopper Mountain - Tulameen River Area, Similkameen Mining Division, Tulameen, British Columbia; unpublished report prepared for Monica Resources Ltd.

Wares, R. (August 9, 1984)
Report on the Rabbitt Mine - Gold Mount Claim Group, Grasshopper Mountain - Tulameen River Area, Similkameen Mining Division, Tulameen, British Columbia; unpublished report prepared for Monica Resources Ltd.

CERTIFICATE

I, DAVID J. PAWLIUK, of the Municipality of Delta, British Columbia, Canada do hereby certify the following:

1. I received the degree of Bachelor of Science with Specialization in Geology from the University of Alberta, Edmonton, Alberta in 1975.

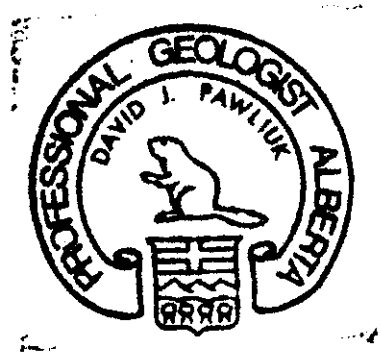
2. Since graduation I have practised mineral exploration in western and northern Canada for approximately 8 years.

3. I am registered as a professional geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

4. I have no direct, indirect or contingent interest, nor do I expect to receive any such interest, in the securities or properties of Monica Resources Ltd.

Dated at Surrey, British Columbia, this 20th day of December, 1985.

David J. Pawliuk, P. Geol.



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TIME-COST DISTRIBUTION

Survey work was carried out over the southern portions of the claim group by Strato Geological Engineering Ltd. during the period October 23 to November 2, 1985.

A listing of personnel and distribution of costs is as follows:

Personnel:

D. J. Pawliuk, P. Geol.	Project Supervisor, Geologist
J. Gibson	Geophysical Technician
R. J. Englund, B.Sc. (Nov. 1, 2, 1985)	Geophysicist

Cost Distribution:

Field work - Pawliuk, Gibson	
11 days @ $390/day (incl. mob-demob)	$ 4,290.00
Transportation - 4 WD truck (incl. gas, oil, etc.)	
11 days @ $90/day	990.00
Room and Board	
21 mdays @ $50/md	1,050.00
Equipment - VLF receiver, field supplies,	
10 days @ $55/day	550.00
Geochemical Analysis	2,485.72
Data reduction, plotting, drafting, reproduction, copying, etc.	976.50
Interpretation and report	1,950.00
Contingencies - incl. property visit, R. J. Englund (incl. room and board, transportation, etc.), telephone, administration, etc.	913.40
Total	$ 13,205.62

Signed _____
Strato Geological Engineering Ltd.

STRATO GEOLOGICAL ENGINEERING LTD.

APPENDIX A

GEOCHEMICAL ANALYSIS CERTIFICATES

ME ANALYTICAL LABORATORIES LTD.
2 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: NOV 8 1985

DATE REPORT MAILED: Nov. 14/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
P710 - ROCKS

ASSAYER: T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

STRATO GEOLOGICAL PROJECT-521 FILE # 85-3062 PAGE 1

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
GH L9 20+00W	27	.1	57	25	152	1
GH L9 19+50W	60	.2	44	19	66	4
GH L9 19+00W	58	.1	41	20	72	17
GH L9 18+50W	31	.2	27	15	50	2
GH L9 18+00W	45	.3	30	15	48	1
GH L9 17+50W	64	.1	56	23	98	3
GH L9 17+00W	48	.2	36	18	72	1
GH L9 16+50W	54	.3	68	18	130	1
GH L9 16+00W	56	.2	43	16	59	2
GH L9 15+50W	176	.4	57	24	87	2
GH L9 15+00W	695	.6	57	26	67	4
GH L9 14+50W	39	.3	43	15	89	1
GH L9 14+00W	23	.1	216	56	873	1
GH L9 13+50W	30	.1	31	14	43	13
GH L9 13+00W	84	.1	47	25	56	4
GH L9 12+50W	69	.2	56	25	48	1
GH L9 12+00W	63	.1	70	24	52	3
GH L9 11+50W	68	.2	100	31	94	1
GH L9 11+00W	75	.1	96	33	65	14
GH L9 10+50W	52	.1	52	19	26	1
GH L9 10+00W	126	.9	80	21	32	2
GH L9 9+50W	127	.6	77	22	32	1
GH L9 9+00W	84	.1	33	21	21	5
GH L9 8+50W	61	.1	48	21	19	1
GH L9 8+00W	83	.1	25	21	28	1
GH L9 7+00W	78	.1	32	19	30	1
GH L9 6+50W	102	.1	35	21	38	2
GH L9 6+00W	56	.1	24	15	38	1
GH L9 5+50W	46	.2	23	16	35	1
GH L9 5+00W	85	.2	32	24	33	1
GH L9 4+50W	112	.1	72	21	62	3
GH L9 4+00W	112	.3	76	24	172	1
GH L9 3+50W	59	.1	81	18	50	1
GH L9 3+00W	61	.2	61	24	156	2
GH L9 2+50W	330	.4	71	20	71	1
GH L9 2+00W	53	.1	47	16	48	1
STD C/AU-0.5	61	7.0	67	29	58	495

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
GH L9 1+50W	83	.1	66	34	53	3
GH L9 0+50W	81	.3	64	23	25	21
GH L9 0+00W	123	.2	33	19	51	7
GH L11 17+00W	66	.5	67	18	82	5
GH L11 16+50W	100	.2	72	27	144	1
GH L11 15+50W	63	.2	27	20	25	1
GH L11 15+00W	43	.2	34	14	28	1
GH L11 14+50W	48	.2	34	16	28	1
GH L11 14+00W	73	.4	33	15	25	2
GH L11 13+50W	57	.3	29	17	26	1
GH L11 13+00W	68	.3	47	24	27	3
GH L11 12+50W	63	.1	30	15	25	1
GH L11 12+00W	80	.1	9	19	8	1
GH L11 11+50W	56	.1	19	15	21	7
GH L11 11+00W	61	.1	15	15	17	1
GH L11 10+50W	98	.2	22	22	28	2
GH L11 10+00W	71	.1	17	15	13	1
GH L11 9+50W	180	.2	15	24	13	4
GH L11 9+00W	125	.1	29	22	21	2
GH L11 8+50W	89	.1	50	20	25	3
GH L11 8+00W	609	.1	59	82	23	4
GH L11 7+50W	213	.1	24	29	25	32
GH L11 7+00W	118	.1	40	27	32	17
GH L11 6+50W	96	.1	31	23	27	8
GH L11 6+00W	66	.1	36	17	34	4
GH L11 5+00W	87	.1	36	22	49	2
GH L11 3+00W	97	.2	19	17	15	5
GH L11 2+50W	69	.1	35	19	26	1
GH L11 2+00W	128	.2	34	36	17	17
GH L11 1+50W	104	.1	46	21	62	2
GH L11 1+00W	67	.1	23	21	22	1
GH L11 0+50W	294	.1	38	58	36	1
GH L11 0+50E	98	.2	54	17	21	1
GH L11 1+50E	89	.2	45	18	68	3
GH L11 2+50E	136	.1	87	21	52	2
GH L11 3+00E	120	.1	126	27	84	12
STD C/AU-0.5	59	7.1	68	27	59	490

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
GH L13 3+00W	125	.2	28	19	36	2
GH L13 2+50W	287	.2	15	37	16	1
GH L13 1+00W	52	.1	20	14	18	5
GH L13 0+00W	54	.1	29	14	32	1
GH L13 0+50E	111	.1	36	27	27	13
GH L13 1+50E	44	.2	40	16	56	110
GH L13 2+00E	54	.1	58	18	75	10
GH L13 2+50E	57	.1	52	14	45	2
GH L13 3+00E	95	.1	79	25	174	1
GH L15 2+50W	164	.1	30	22	40	85
GH L15 1+50W	93	.2	42	21	24	4
GH L15 1+00W	118	.1	27	22	40	3
GH L15 0+50W	119	.2	28	27	35	9
GH L15 0+50E	178	.8	48	27	44	710
GH L15 1+00E	42	.1	33	14	42	5
GH L15 1+50E	35	.1	28	16	37	3
GH L15 2+00E	68	.1	55	17	69	3
GH L15 3+00E	136	.1	114	40	89	1
GH L17 16+00W	38	.1	40	18	94	2
GH L17 15+50W	294	.1	54	46	48	6
GH L17 15+00W	56	.2	35	18	39	2
GH L17 14+50W	102	.1	33	22	40	6
GH L17 14+00W	201	.1	35	31	44	5
GH L17 13+00W	160	.2	143	36	99	1
GH L17 12+50W	131	.2	138	40	103	1
GH L17 9+50W	38	.1	74	15	42	3
GH L17 9+00W	60	.1	113	23	82	1
GH L17 8+50W	64	.2	38	16	51	4
GH L17 8+00W	39	.1	141	20	43	29
GH L17 7+50W	56	.1	45	18	25	3
GH L17 7+00W	67	.2	45	18	23	18
GH L17 6+50W	39	.2	28	13	25	5
GH L17 6+00W	59	.1	44	16	55	4
GH L17 5+50W	78	.2	52	16	45	3
GH L17 5+00W	59	.1	104	38	315	1
GH L17 4+50W	133	.4	69	25	43	20
STD C/AU-0.5	58	7.0	65	29	58	505

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
GH L17 4+00W	51	.1	64	16	48	5
GH L17 3+50W	83	.1	39	17	45	9
GH L17 3+00W	106	.1	29	18	41	8
GH L17 3+00W-A	50	.2	35	13	50	1
GH L17 2+50W	130	.1	33	20	34	50
GH L17 1+50W	28	.1	32	11	52	9
GH L17 1+00W	37	.1	38	13	51	8
GH L17 0+50W	61	.3	37	14	26	3
GH L17 0+00W	56	.1	63	17	57	4
GH L17 0+50E	16	.4	32	10	33	1
GH L17 1+00E	30	.2	44	10	47	2
GH L17 1+50E	24	.3	31	11	32	3
GH L17 2+00E	28	.1	43	11	41	3
GH L17 2+50E	81	.3	38	13	61	28
GH-1001	83	.1	331	51	101	10
GH-1002	165	.3	64	27	123	6
GH-1003	85	.1	58	24	74	5
GH-1004	79	.2	119	30	143	6
GH-1005	121	.1	55	28	71	6
GH-1006	102	.1	127	37	305	11
GH-1007	71	.1	71	29	108	25
GH-1008	226	.1	29	34	32	4
GH-1009	197	.1	179	41	130	6
GH-1010	54	.1	587	57	97	4
GH-1011	122	.1	198	49	147	3
GH-1012	138	.1	144	44	182	4
GH-1013	137	.1	88	42	185	8
GH-1014	98	.1	18	23	18	3
GH-1015	315	.1	37	56	21	15
GH-1016	165	.1	33	36	35	2
STD C/AU-0.5	60	7.1	66	28	57	495

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
RD 20+00W	65	.1	48	17	64	4
RD 19+50W	98	.1	43	22	69	6
RD 19+00W	192	.1	64	36	120	2
RD 18+50W	109	.1	42	21	62	4
RD 18+00W	95	.1	59	21	58	4
RD 17+50W	113	.1	43	21	71	3
RD 17+00W	38	.1	150	22	64	4
RD 16+50W	88	.1	65	22	54	6
RD 16+00W	59	.1	340	34	83	7
RD 15+50W	74	.3	44	20	44	3
RD 15+00W	146	.1	158	35	89	4
RD 14+50W	103	.3	84	26	68	7
RD 14+00W	69	.1	78	20	83	24
RD 13+50W	123	.2	69	24	66	4
RD 13+00W	86	.2	125	24	140	1
RD 12+50W	304	.3	73	32	108	4
RD 12+00W	143	.1	51	23	77	6
RD 11+50W	95	.2	59	18	67	6
RD 11+00W	174	.2	147	32	181	10
RD 10+50W	232	.1	86	27	72	2
RD 10+00W	53	.3	33	12	53	3
RD 9+50W	111	.1	95	26	163	3
RD 9+00W	106	.3	111	27	136	2
RD 8+50W	131	.2	109	28	141	1
RD 8+00W	95	.1	50	20	90	4
RD 7+50W	124	.2	39	21	32	14
RD 7+00W	168	.2	44	28	43	13
RD 6+50W	185	.1	56	29	50	11
RD 6+00W	156	.1	61	28	51	16
RD 5+50W	91	.2	34	22	28	11
RD 5+00W	27	.1	18	4	17	1
RD 4+50W	145	.1	54	39	46	1
RD 4+00W	204	.1	131	38	102	4
RD 3+50W	132	5.6	87	27	84	2200
RD 3+00W	137	.1	190	38	94	19
RD 2+50W	108	.3	311	37	124	16
STD C/AU-0.5	58	7.2	67	28	64	500

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
RD 2+00W	250	.3	106	61	90	6
RD 1+50W	123	.1	64	21	69	11
RD 1+00W	191	.1	100	27	101	14
RD 0+50W	111	.2	27	18	34	23
RD 0+00W	54	.1	53	17	53	7

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
6352	72	.2	17	24	39	1
6353	10	.1	14	16	34	1
6354	11	.1	18	19	55	1
6355	10	.1	5	3	4	1
6356	52	.1	20	25	21	2
6357	99	.4	52	25	53	1
6358	20	.1	89	29	239	1
6360	210	1.0	7	15	7	90
6361	211	.3	6	15	11	5
6362	101	.1	18	24	14	2
6363	116	.1	21	14	35	1
6364	157	.1	14	17	8	1
6365	58	.2	12	8	11	1
6367	94	.1	17	17	18	2
6368	313	.2	6	28	6	5
6369	110	.1	16	12	47	1
6370	10	.2	71	17	23	2
6371	12	.1	26	29	46	1
6372	7	.2	7	4	6	1
6373	30	.1	703	50	81	1
6375	25	.7	29	9	38	1
6376	53	.1	15	21	10	1
6378	110	.2	21	17	59	2
6380	16	.1	67	21	285	1
6381	60	.1	14	22	14	1
6382	42	.1	3	5	12	2
6384	19	.9	15	6	9	345
6385	96	.1	8	16	10	5
6386	241	.3	11	25	7	3
6387	89	.1	31	23	66	1
6388	29	.1	12	13	8	1
6389	144	.1	7	16	5	2
6390	5	.1	113	25	414	1
6391	5	.2	27	13	218	1
6392	26	.2	55	40	143	6
6393	25	.1	20	19	49	1
STD C/AU 0.5	59	7.0	66	29	57	490

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
6394	327	.3	21	24	42	4
6396	295	.3	18	24	28	8
6398	161	.1	40	23	99	9
6399	79	.4	28	15	25	46
6400	55	.1	21	11	39	19
6402	74	.1	8	17	18	1
6403	76	.1	4	17	2	1
6404	69	.2	20	19	42	1
6405	9	.2	2	1	2	1
6406	149	.1	14	21	12	7
STD C/AU 0.5	58	6.9	66	27	58	475

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PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED DEC 19 1985

DATE REPORTS MAILED Dec. 19/85

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : PULP
PT PD ANALYZED BY FA+AU

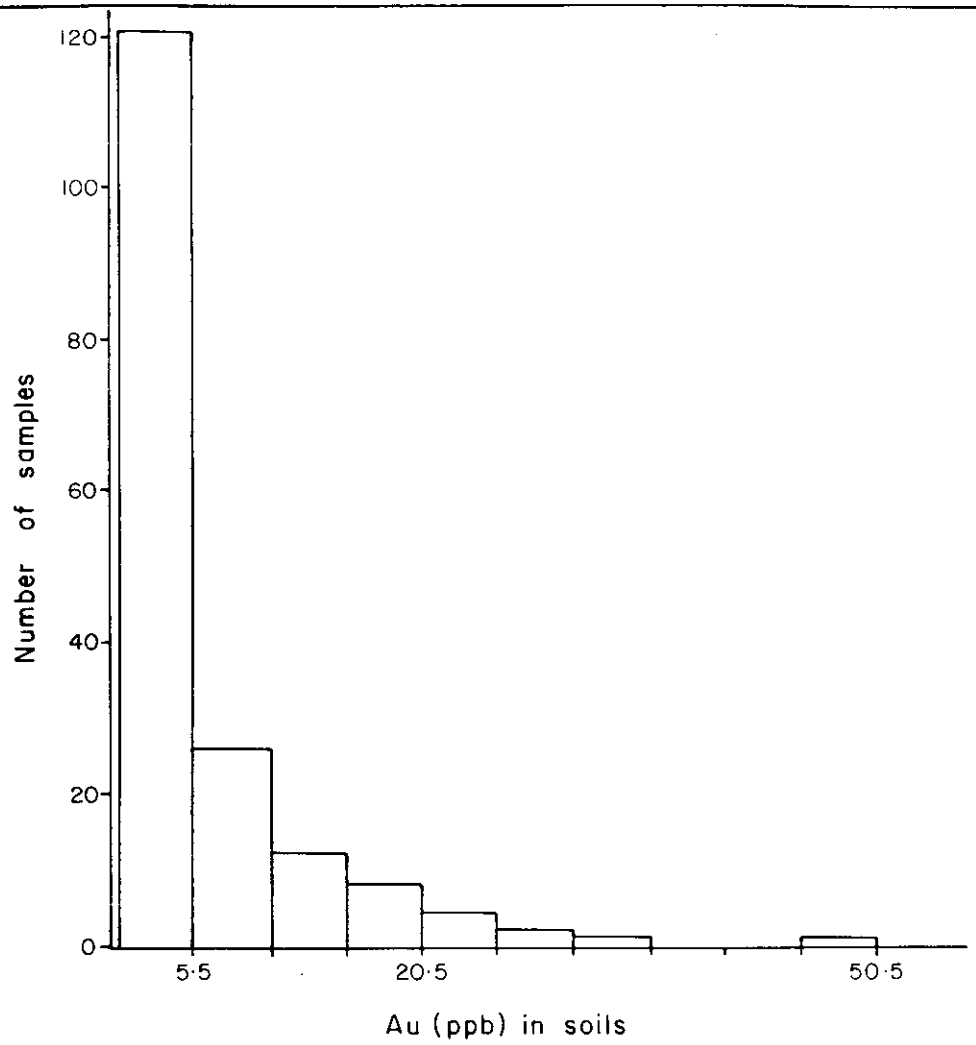
ASSAYER T. Saundry DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

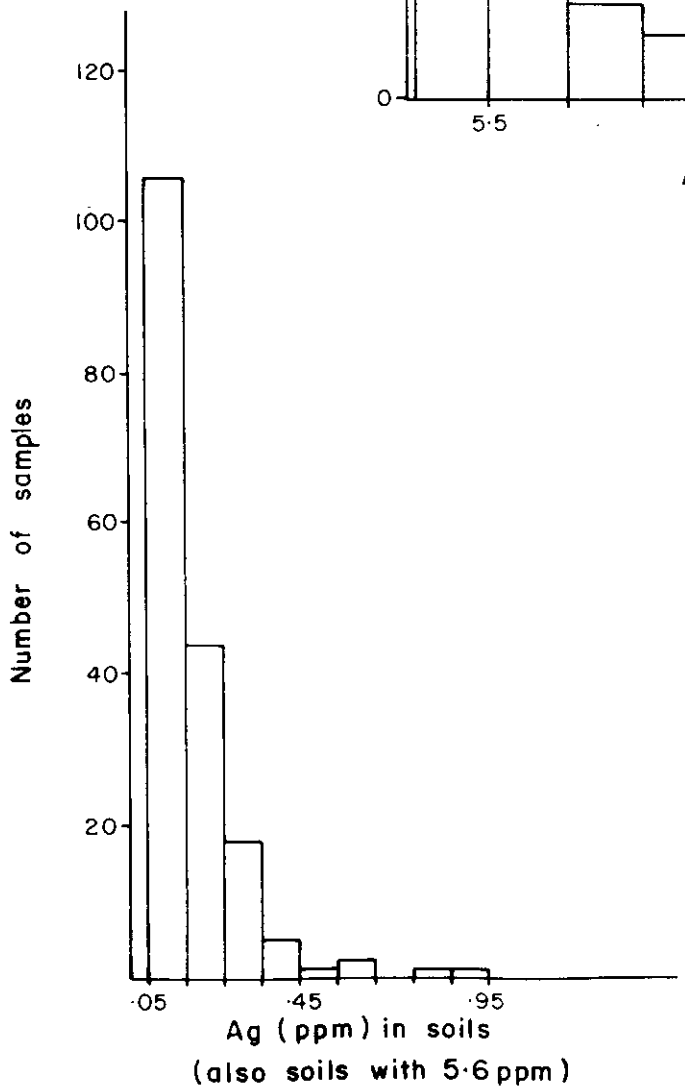
STRATO GEOLOGICAL LTD. PROJECT 521 FILE# 85-3062R

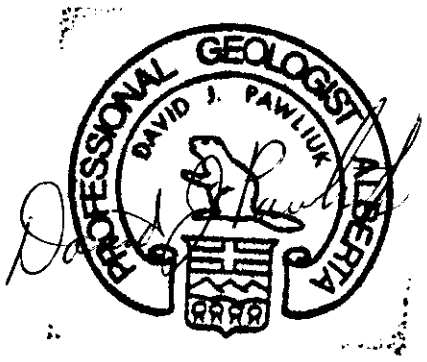
SAMPLE	Pt ppb	Pd ppb
6358	9	18
6380	25	30
6390	2	3
6391	15	5
6392	94	111
6398	12	16

APPENDIX B

GEOCHEMICAL ANALYSIS - HISTOGRAMS







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TULAMEEN, B.C.

GEOCHEMICAL ANALYSIS

To accompany a report by D J Pawliuk, P Geol.

DRAWN BY: DJP, BK

DATED: November, 1985

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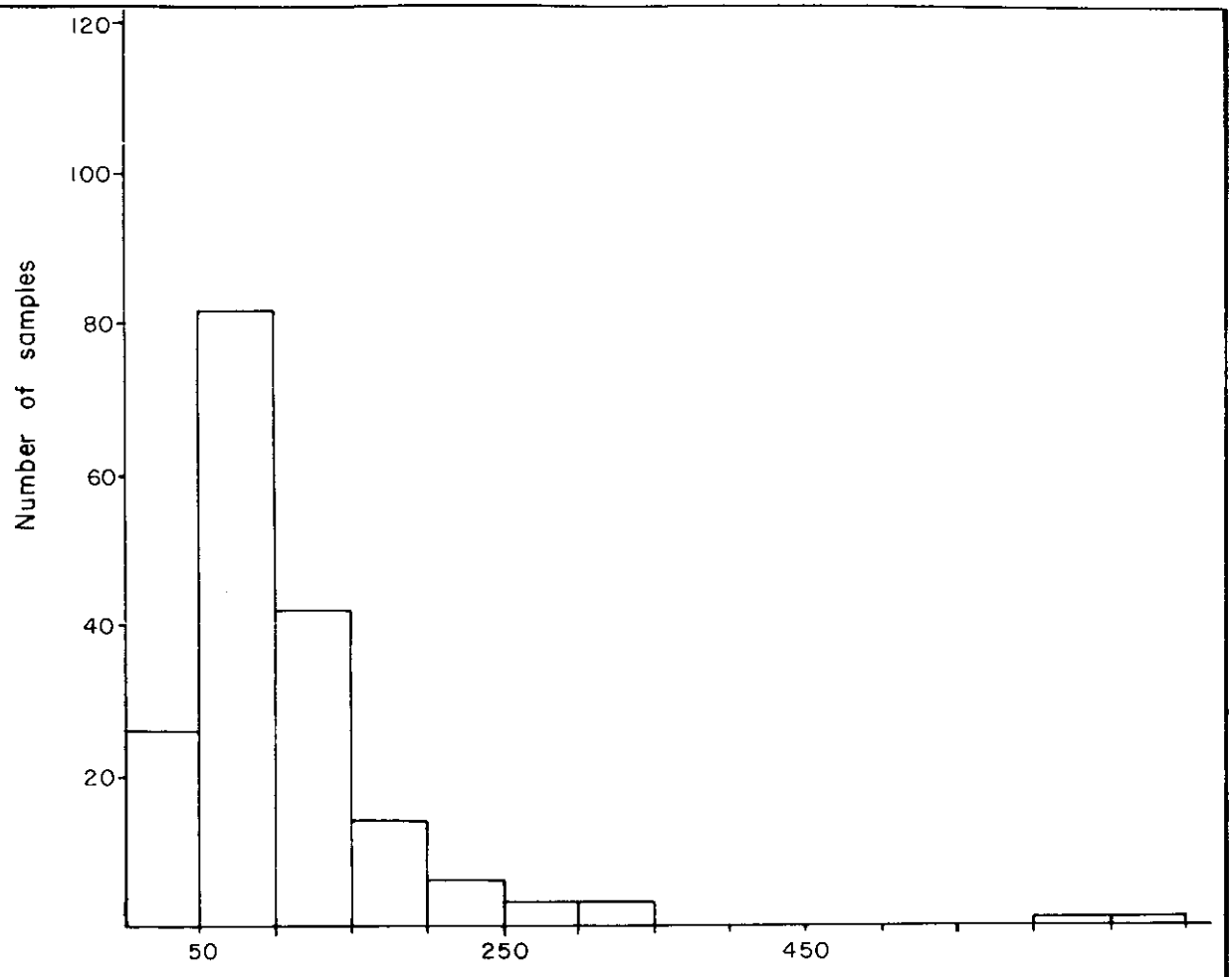

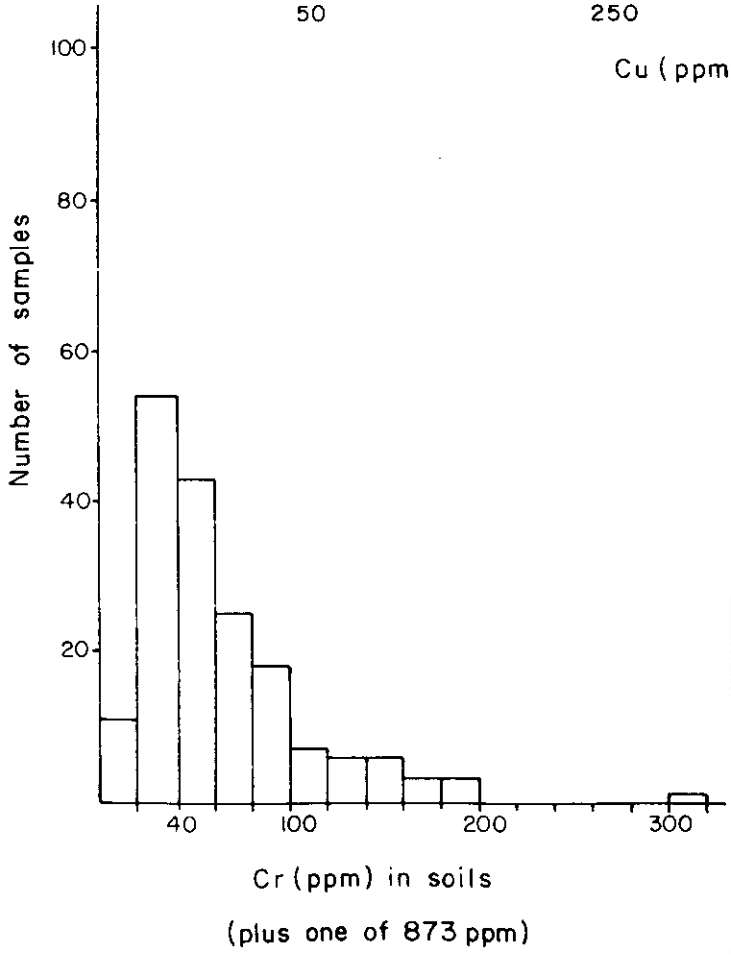

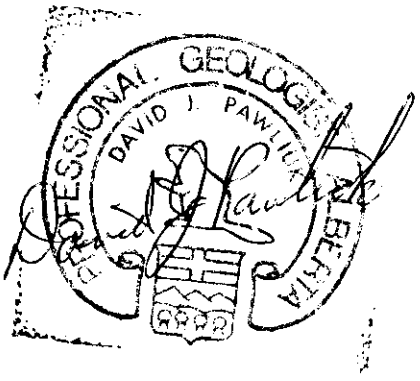

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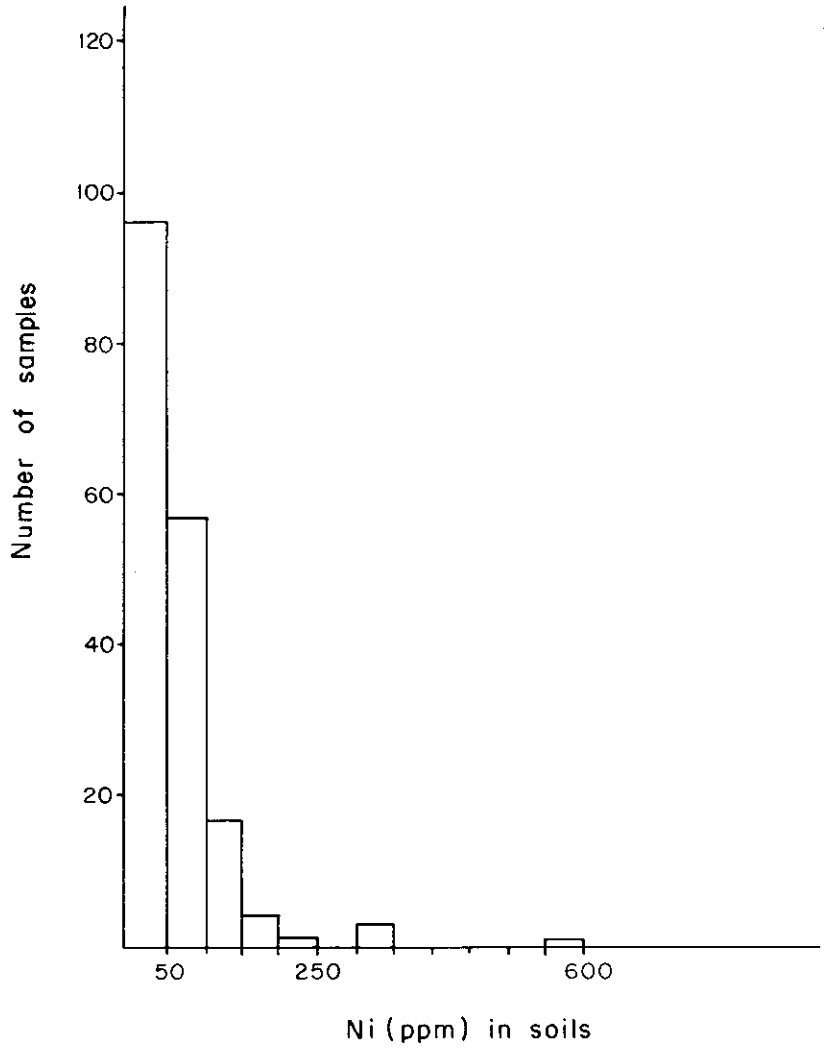

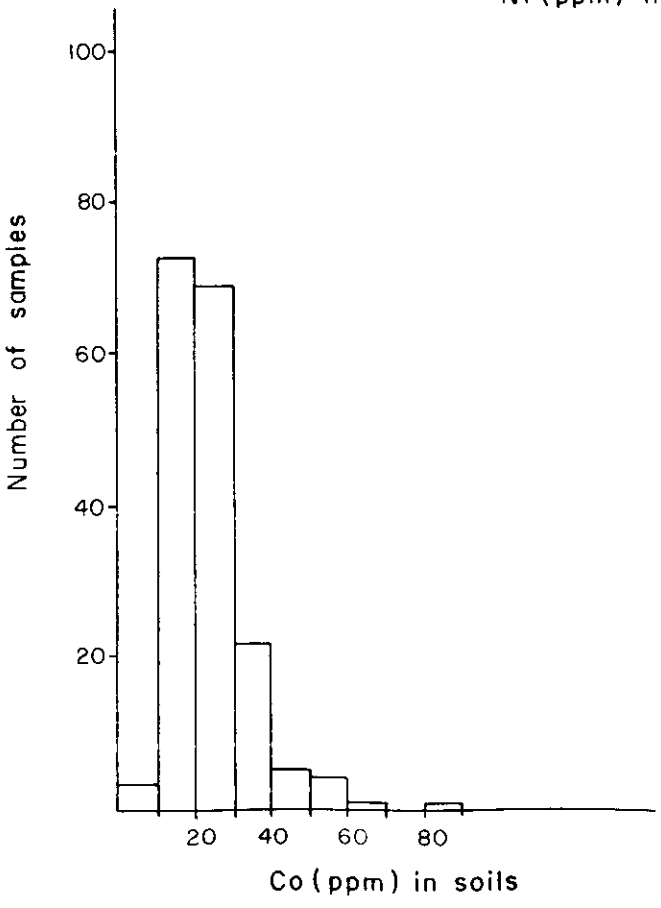

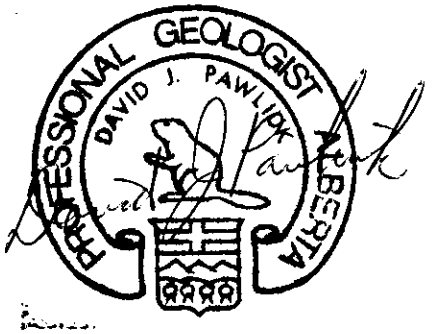

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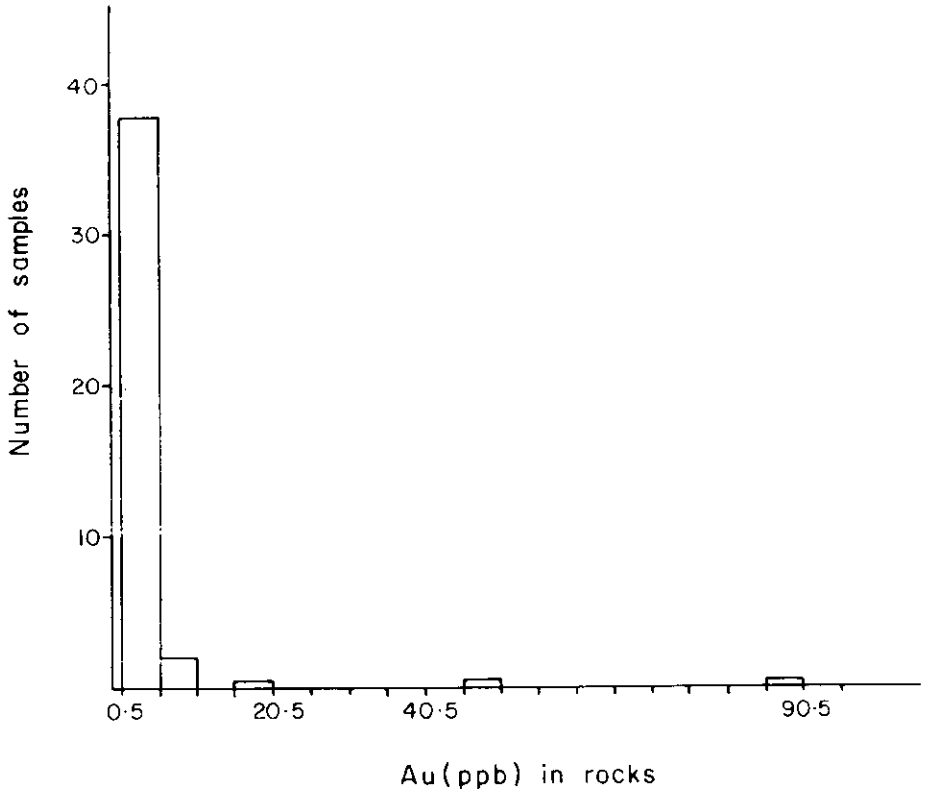

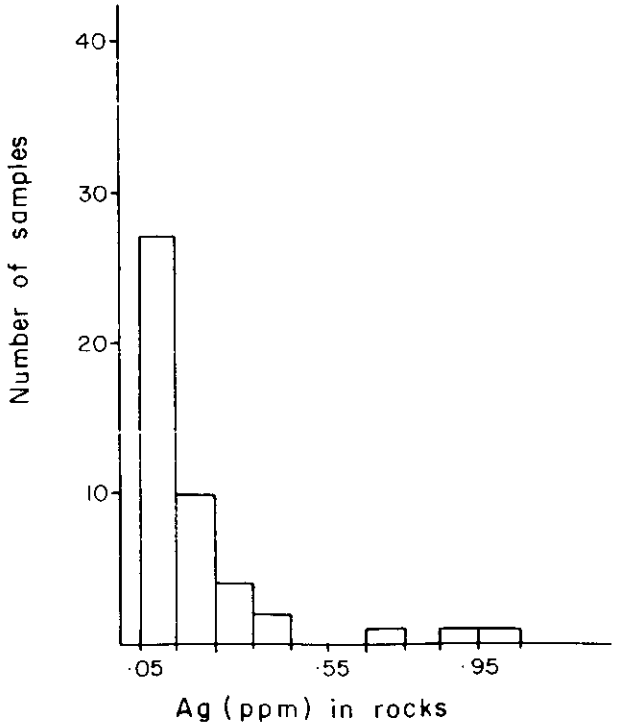

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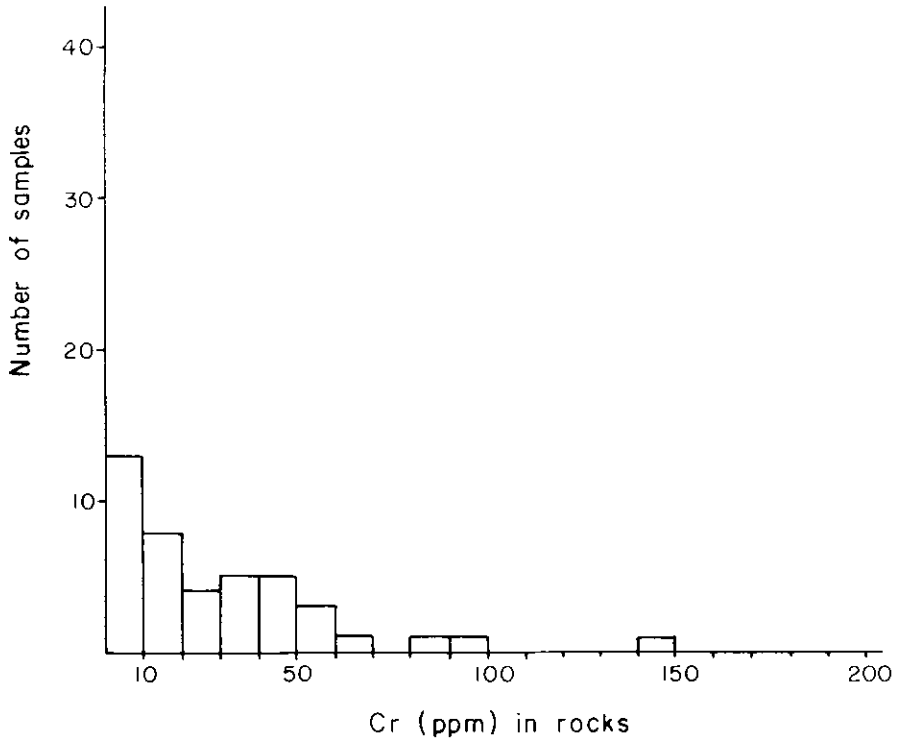

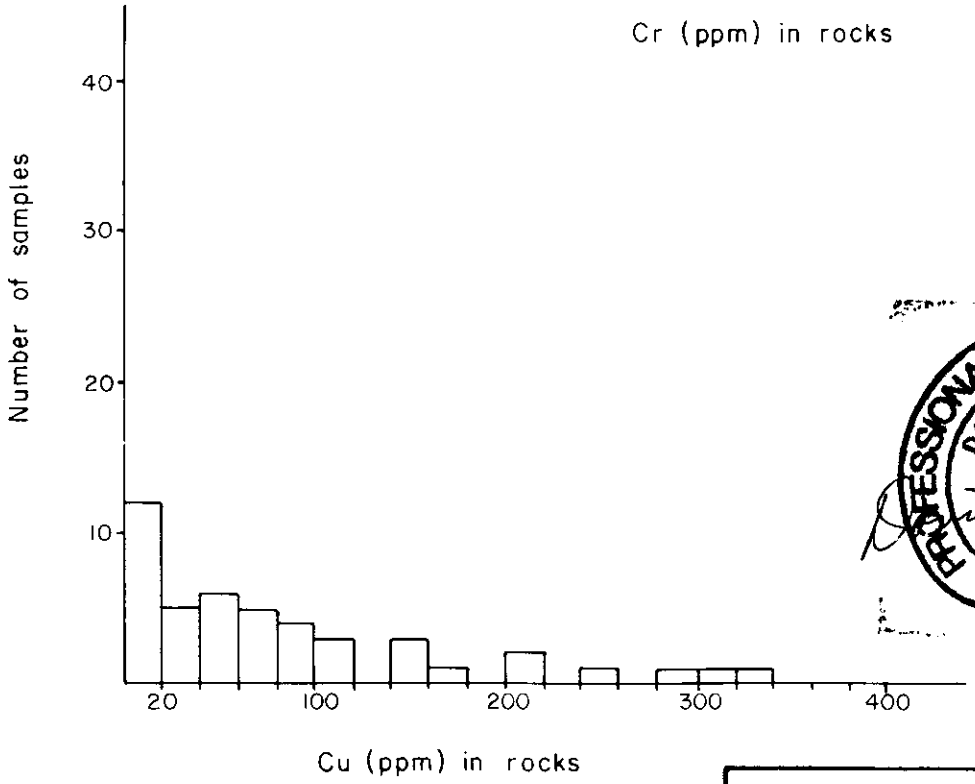

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GEOCHEMICAL ANALYSIS

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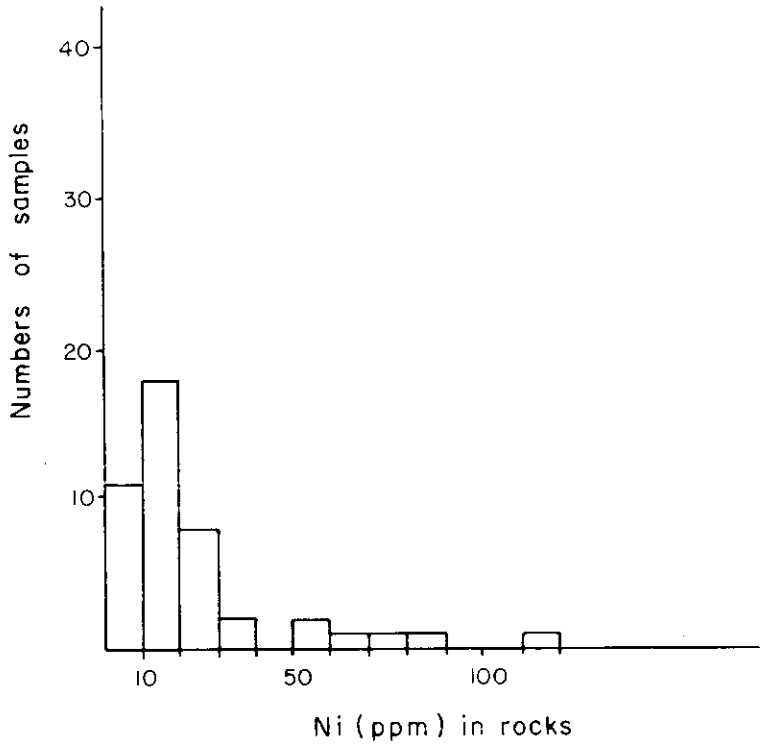

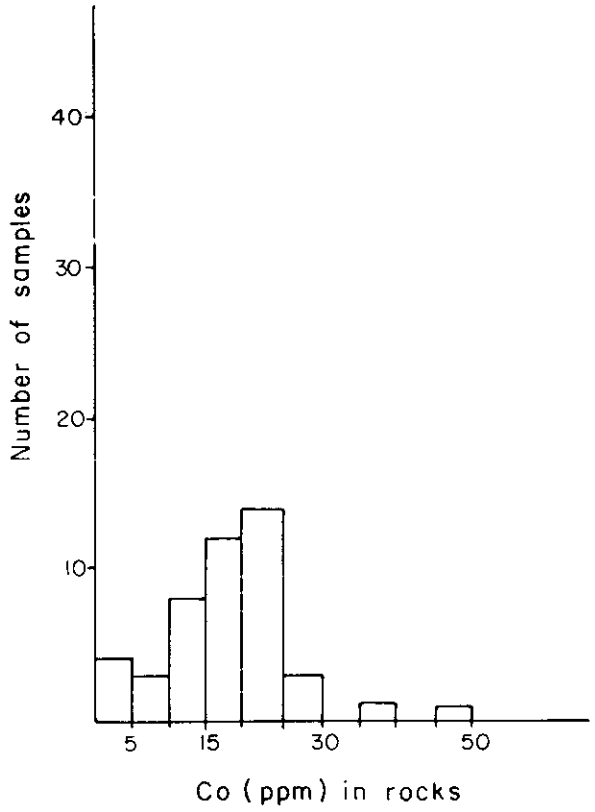

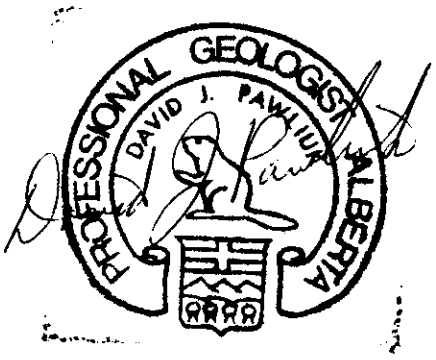

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TULAMEEN, B.C.

GEOCHEMICAL ANALYSIS

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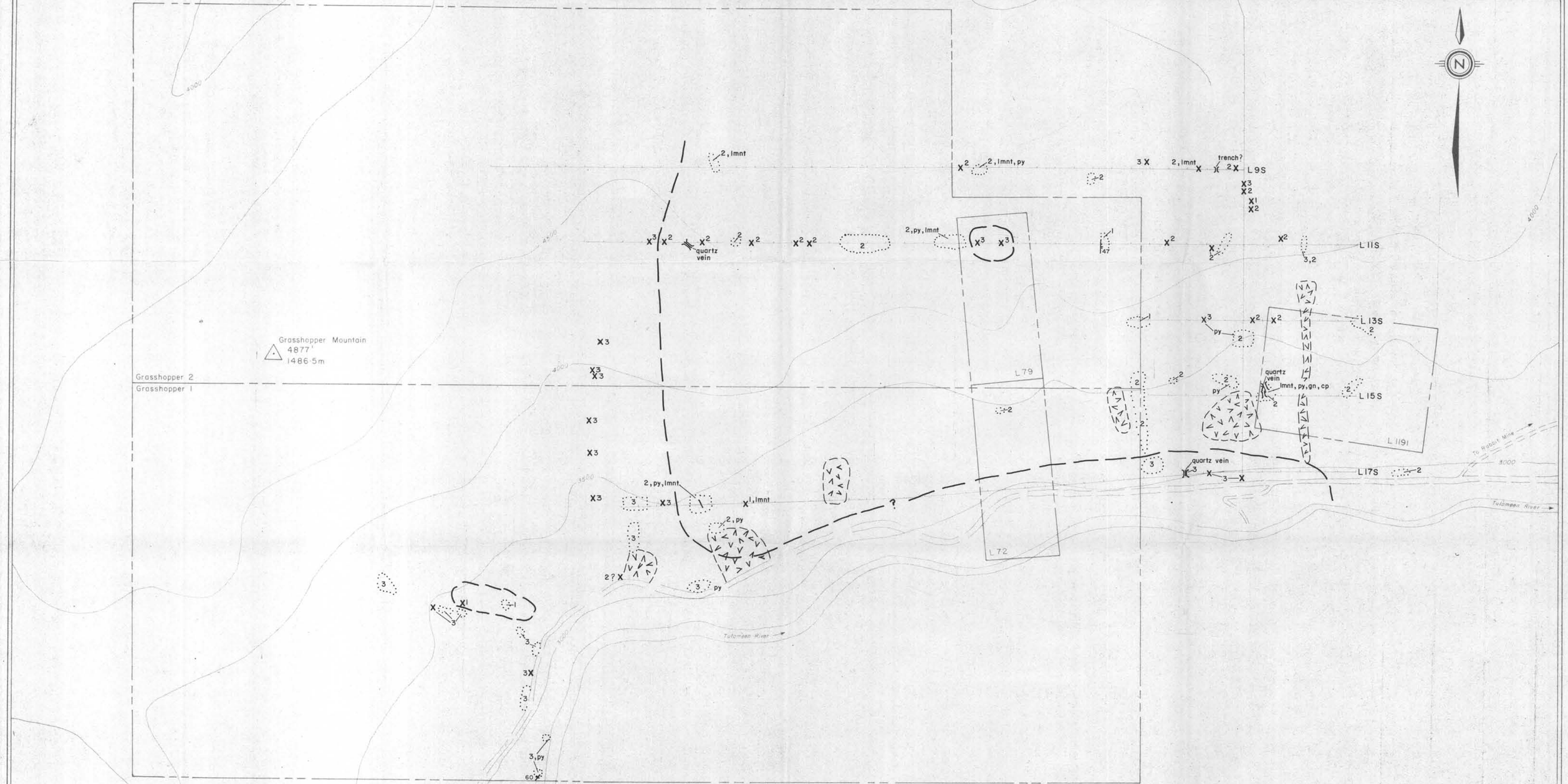

LEGEND

- 3 ··· Tulameen complex ultramafic rocks
- 2 ··· Nicola group: metavolcanics
- 1 ··· Nicola group: mediasediments
- 60 ··· Quartz vein, dip
- ··· Geological contact
- 47 ··· Bedding
- ··· Scree slope
- ··· Trench
- ··· Grid line
- ··· Claim boundary
- ··· Road
- 4000 ··· Topographic contour
- ··· Outcrop area
- X ··· Small outcrop

py ··· Pyrite
cp ··· Chalcopyrite
gn ··· Galena
lmnt ··· Limonite

PROFESSIONAL GEOLOGIST DAVID J. PAWLUK ALBERTA

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,448 FIGURE 5

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SIMILKAMEEN M.D. NTS 92H/10W
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GEOLOGY MAP

100 0 100 200m

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GEOCHEMICAL ICP ANALYSIS

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
6352	72	.2	17	24	39	1
6353	10	.1	14	16	34	1
6354	11	.1	18	19	55	1
6355	10	.1	3	3	4	1
6356	52	.1	20	22	21	2
6357	99	.4	52	22	53	1
6358	20	.1	89	29	239	1
6360	210	1.0	7	13	7	90
6361	211	.3	6	15	11	5
6362	101	.1	18	24	14	2
6363	116	.1	21	14	33	1
6364	157	.1	14	17	8	1
6365	58	.2	12	8	11	1
6367	94	.1	17	17	18	3
6368	318	.2	6	28	6	5
6369	110	.1	16	12	47	1
6370	10	.2	71	17	23	2
6371	15	.1	26	29	46	1
6372	7	.2	7	4	6	1
6373	30	.1	703	50	81	1
6375	25	.7	29	9	38	1
6376	53	.1	15	21	10	1
6378	110	.2	21	17	59	2
6380	16	.1	67	21	285	1
6381	60	.1	14	22	14	1
6383	42	.1	3	5	12	2
6384	19	.9	15	6	9	345
6385	96	.1	8	16	10	5
6386	241	.3	11	25	7	3
6387	89	.1	31	23	66	1
6388	29	.1	12	13	8	1
6389	144	.1	7	16	5	2
6390	5	.1	113	25	414	1
6391	5	.2	27	10	298	1
6392	26	.2	55	40	142	6
6393	25	.1	20	19	49	1
6394	327	.3	21	24	42	8
6396	295	.3	18	24	28	8
6398	161	.1	40	25	99	9
6399	79	.4	28	15	25	46
6400	55	.1	21	11	29	19
6402	78	.1	8	17	18	1
6403	76	.1	4	17	2	1
6404	69	.2	20	19	42	1
6405	9	.2	2	1	2	1
6406	149	.1	14	21	15	[illegible]

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au* PPB
GH-1001	82	.1	331	51	101	10
GH-1002	165	.3	54	27	123	6
GH-1003	86	.1	58	34	78	5
GH-1004	79	.2	117	36	162	6
GH-1005	131	.1	55	26	71	6
GH-1006	102	.1	123	[illegible]	302	11
GH-1007	71	.1	121	39	108	[illegible]
GH-1008	228	.1	20	34	[illegible]	3
GH-1009	197	.3	279	43	130	6
GH-1010	54	.1	587	57	97	3
GH-1011	122	.1	198	49	147	3
GH-1012	130	.1	144	44	132	4
GH-1013	137	.1	66	42	185	8
GH-1014	198	.1	18	23	18	3
GH-1015	315	.1	77	54	21	15
GH-1016	165	.1	73	34	75	3

GEOCHEMICAL ICP ANALYSIS

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au# PPB
6352	73	.3	17	24	39	1
6353	10	.1	14	16	34	1
6354	11	.1	18	19	55	1
6355	10	.1	5	3	4	1
6356	32	.1	20	23	21	2
6357	99	.4	53	23	33	1
6358	30	.1	89	29	239	1
6360	210	1.0	7	15	7	90
6361	211	.3	6	15	11	5
6362	101	.1	18	24	14	3
6363	116	.1	21	14	35	1
6364	157	.1	14	17	8	1
6365	58	.2	12	8	11	1
6367	94	.1	17	17	18	3
6368	313	.2	6	28	6	5
6369	110	.1	16	13	87	1
6370	10	.2	71	17	23	2
6371	13	.1	26	29	46	1
6372	7	.2	7	4	6	1
6373	30	.1	703	50	81	1
6375	25	.7	29	9	28	1
6376	53	.1	15	21	10	1
6378	110	.2	21	17	59	2
6380	16	.4	67	21	285	1
6381	60	.1	14	23	14	1
6383	43	.1	3	5	13	3
6384	19	.9	15	6	9	245
6385	96	.1	8	16	10	3
6386	241	.3	11	25	7	3
6387	89	.1	31	23	66	1
6388	29	.1	13	15	8	1
6389	144	.1	7	16	5	3
6390	5	.1	113	25	414	1
6391	5	.2	27	13	218	1
6392	26	.2	55	40	143	6
6393	25	.1	20	19	49	1
6394	327	.3	21	24	43	4
6396	295	.3	18	24	28	8
6398	161	.1	40	23	99	9
6399	79	.4	28	15	25	46
6400	55	.1	21	11	29	19
6402	74	.1	8	17	18	1
6403	76	.1	4	17	3	1
6404	69	.2	20	19	43	1
6405	9	.2	2	1	3	1
6406	149	.1	14	21	13	3

SAMPLE#	Cu PPM	Ag PPM	Ni PPM	Co PPM	Cr PPM	Au# PPB
GH-1001	83	.1	331	51	101	10
GH-1002	165	.3	64	27	153	5
GH-1003	85	.1	58	24	74	5
GH-1004	79	.2	119	30	183	6
GH-1005	121	.1	55	28	71	6
GH-1006	102	.1	127	37	305	11
GH-1007	71	.1	71	29	108	25
GH-1008	226	.1	79	34	33	4
GH-1009	197	.1	179	41	130	6
GH-1010	54	.1	587	57	97	4
GH-1011	122	.1	198	49	147	3
GH-1012	138	.1	144	44	123	4
GH-1013	137	.1	88	43	185	8
GH-1014	98	.1	18	23	18	3
GH-1015	315	.1	37	56	21	15
GH-1016	165	.1	33	26	33	3

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FIGURE

MONICA RESOURCES LTD.

SIMILKAMEEN M.D. NTS 92H/10W
TULAMEEN, B.C.

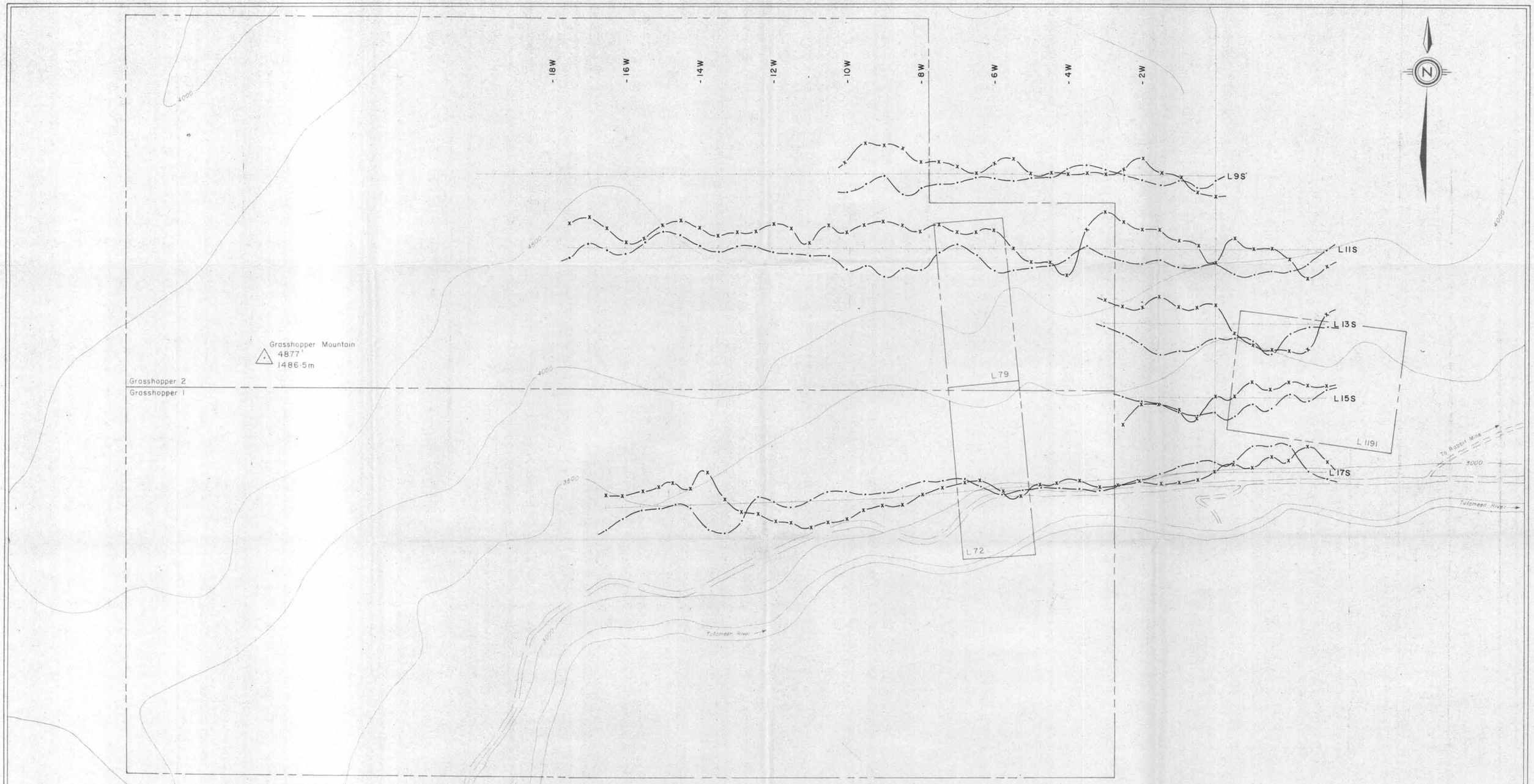
SOIL and ROCK SAMPLE GEOCHEMISTRY
(Cr, Co, Ni)

100 0 100 200m

To accompany a report by D.J. Pawliuk, P.Geol.
STRATO GEOLOGICAL ENGINEERING LTD.

DRAWN BY: DJP, BK | DATED: November, 1985

STRATO GEOLOGICAL ENGINEERING LTD.



LEGEND

70%
50%
30%
Line FIELD STRENGTH SCALE

10°
-10°
-30°
Line DIP ANGLE SCALE

··· Road

——— ··· Grid line

4000 ··· Topographic contours

——— – – ——— ··· Claim boundary

NOTES:

- Instrument - Sabre Electronics Model 27, Receiver
- Transmitter - NPG Cutler, frequency - 17.8 kHz

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FIGURE 8

MONICA RESOURCES LTD.

SIMILKAMEEN M.D. NTS 92H/10W
TULAMEEN, B.C.

VLF-EM SURVEY PROFILES
PLOT PLAN

100 0 100 200m

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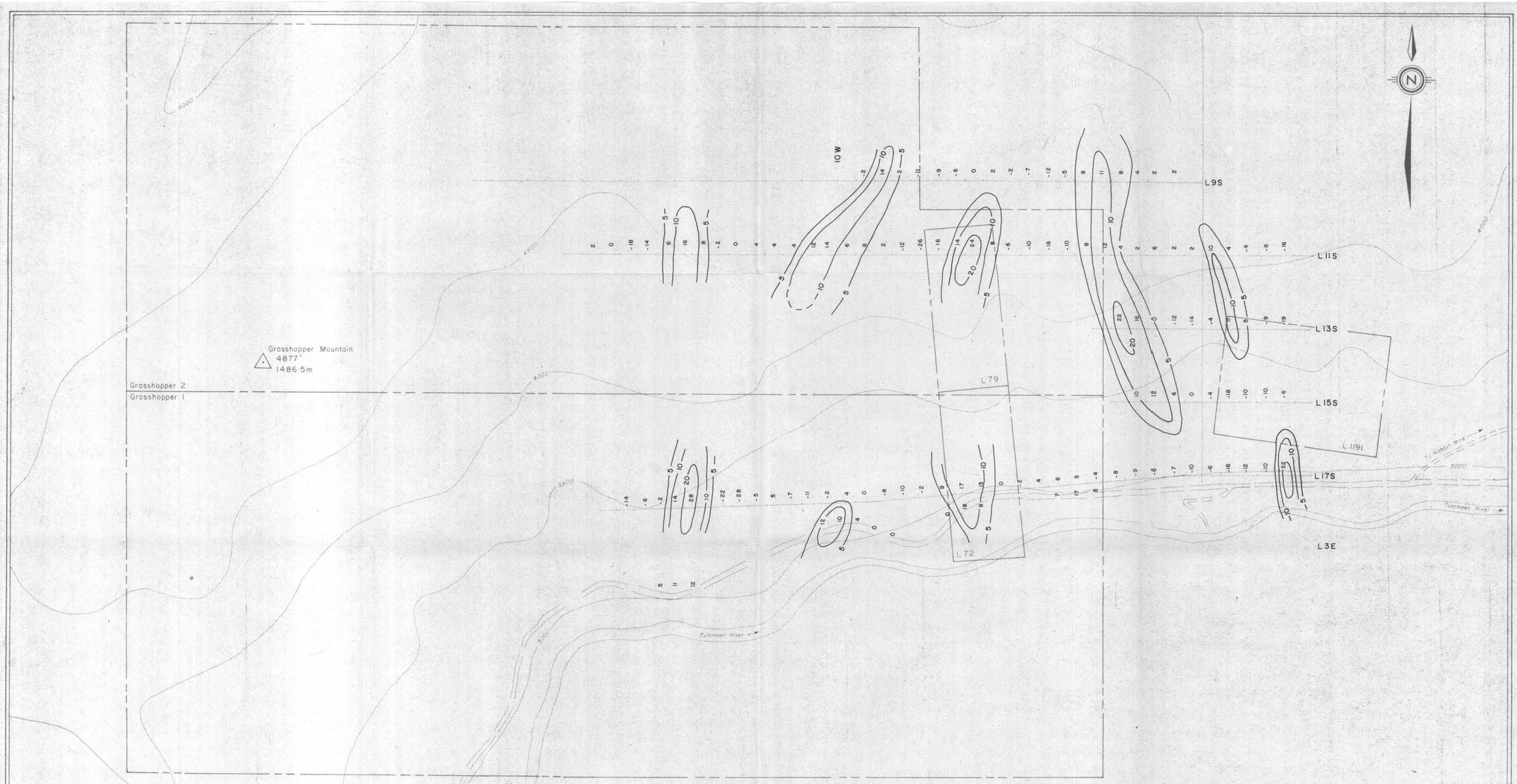

LEGEND

- Station location and results
- Road
- Claim boundary
- 4000 — Topographic contour

NOTES:

- Instrument: Sabre Electronics Model 27, Receiver
- Transmitter: NPG Cutler, frequency - 17·8 kHz
- Contour interval - 5, 10, 20

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FIGURE 9

MONICA RESOURCES LTD.

SIMILKAMEEN M.D. NTS 92H/10W
TULAMEEN, B.C.

VLF-EM FRASER FILTER SURVEY

100 0 100 200m

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