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Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) Reconnaissance Geochemistry	TOTAL COST \$5414.12
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AUTHOR(S) T.E.Lisle, P.Eng. SIGNATURE(S) *T.E. Lisle*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED September 30/85 YEAR OF WORK 1985

PROPERTY NAME(S) Emma 20 and 21

COMMODITIES PRESENT ~~Gold~~

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Nanaimo NTS 92F/2E

LATITUDE 49°11'15" LONGITUDE 124°34'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:
Emma, Emma 20 and 21, Emma 1 to 19 2 post claims.

OWNER(S)

(1) Au Resources Ltd.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

MAILING ADDRESS

#1902-4353 Halifax Street
Burnaby, B.C. V5C-5Z4

13,875

OPERATOR(S) (that is, Company paying for the work)

(1) Au Resources Limited.

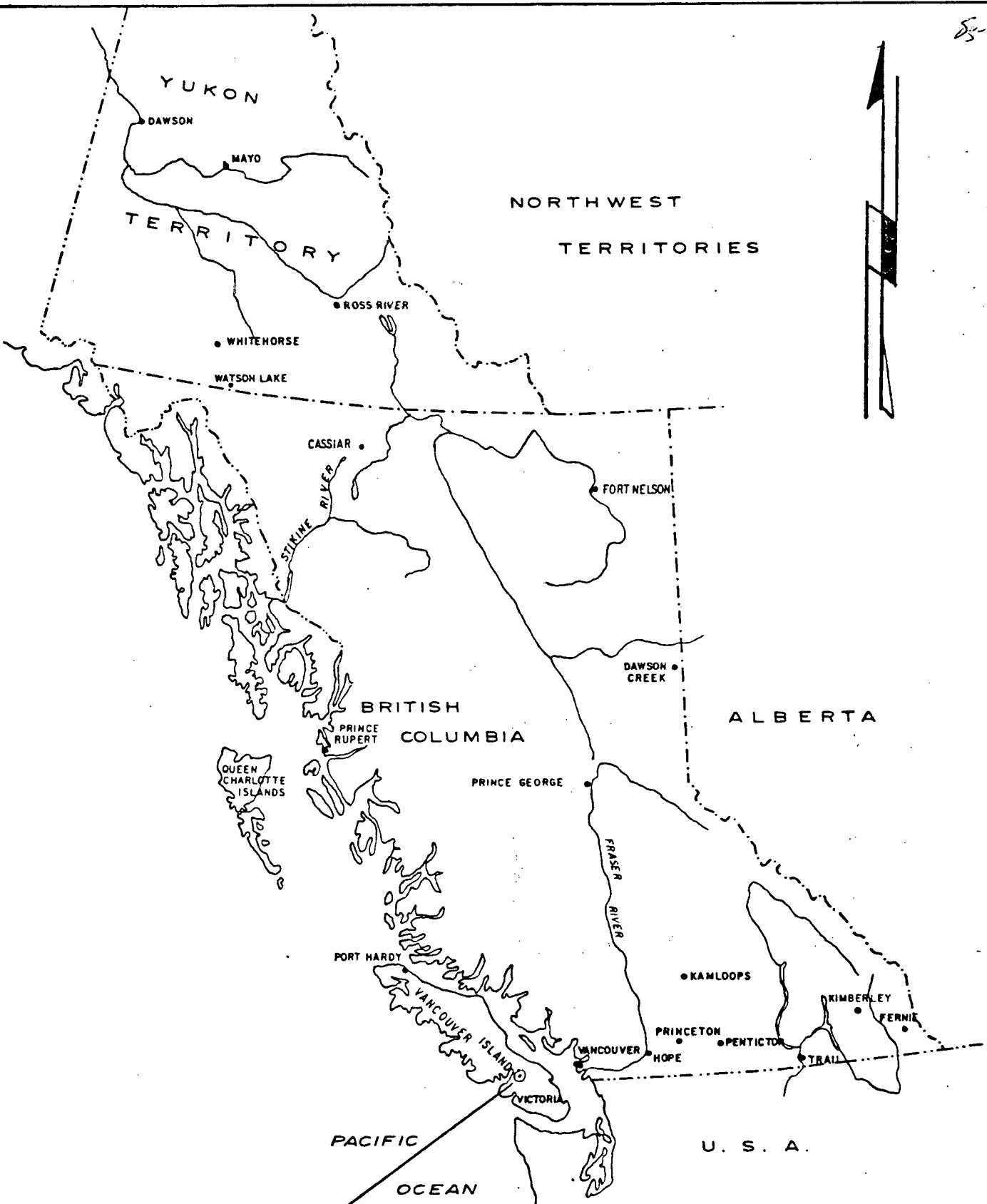
MAILING ADDRESS

As Above

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Metavolcanic and related sedimentary rocks of the Paleozoic Sicker Group south of the Cameron River are separated from basaltic flows and fragmentals of the upper Triassic Karmutson group by regional northwesterly faults along the Cameron River. Gold and locally molybdenum is associated with small quartz veins.

REFERENCES TO PREVIOUS WORK Property Reports by R. Phendler, P.Eng.
March 4/85; October 3/84; July 31/84; January 23/84; June 18, 1983.



EMMA PROPERTY

AU RESOURCES LIMITED.

LOCATION MAP

EMMA PROSPECT-NANAIMO M.D.

Scale: 1 inch=250 miles.

Figure 1.

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INTRODUCTION.

Reconnaissance geochemical surveys carried out during 1983 and 1984 on ground adjacent to the Emma 20 and 21 mineral claims provided sufficient encouragement to establish a grid for more detailed investigation of scattered gold anomalies. The reconnaissance work was carried out along a network of logging roads.

Because of this success, it was decided to use this rapid low-cost approach to cover areas not previously covered. The work was completed on logging roads along and mainly north of the Cameron River by a crew of three men between September 23 and 30th, 1985

The data resulting from the program is shown on accompanying maps and described in this report prepared for assessment requirements.

PROPERTY.

The Emma 20 and 21 mineral claims are modified grid claims staked in September, 1984 and recorded in the name of Au Resources Limited on October 1, 1984. Details of the property are as follows:

<u>Name</u>	<u>Units</u>	<u>Record Date</u>	<u>Record No.</u>	<u>Mining Division</u>
Emma 20	14	October 1/84	1922(10)	Nanaimo
Emma 21	12	"	1923(10)	Nanaimo

Claim map 92F/2E shows the Emma 20 claim to be over-staked on parts of the Tyber 5, Gunnar and Monkey claims owned by other interests. The Emma 21 claim partly overlaps the Emma 13 and 15 two-post claims on the west.

LOCATION AND ACCESS.

The legal corner posts of the claims are at approximate co-ordinates Latitude, 49°11'15", Longitude 124°34', NTS 92F/2E. The claims lie astride the Cameron River between elevations 518 and 1130 meters above sea-level.

Access to the claims is by the Mt. Arrowsmith ski road that leaves provincial highway number 4 about 12 kilometers east of the city of Alberni. The ski road connects to the Cameron valley logging road system that provides direct road access to much of the claim area.

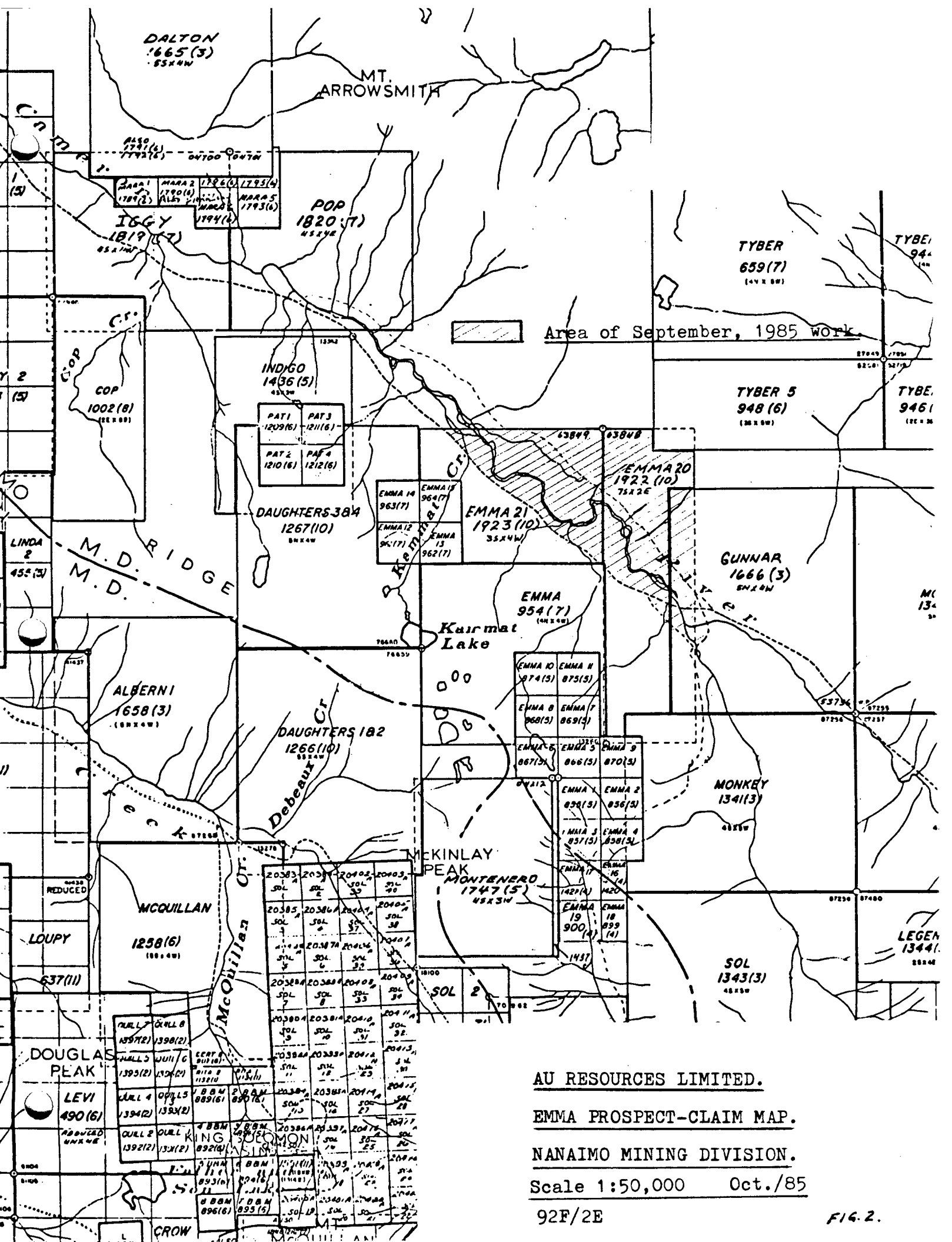
PHYSIOGRAPHY.

The claim area is in the insular mountains of Vancouver Island defined by Holland in 1964 as part of the 'Outer Mountain Area'. Except for the highest peaks like Mount Arrowsmith north of the property, the terrain was modified by two stages of glaciation, and glacial till remains over large sections of the area. The valley of the Cameron River is broad and slopes to the southwest and northeast rise rapidly from about 500 to more than 1500 meters above sea-level.

Thick stands of coastal fir, cedar and hemlock have been logged and nearby areas are currently being logged. Much of the logged area has been re-seeded.

HISTORY.

The Emma 20 and 21 claims are part of a larger group of Emma claims that have been investigated by Au. Resources since 1983. Much of the work completed is geochemical, directed to a search for gold mineralization related to quartz veining. Little is known of early work on the claims however old pits are thought to date to the turn of the century when prospecting at the nearby China Creek area was active.



Area of September, 1985 work

AU RESOURCES LIMITED.

EMMA PROSPECT-CLAIM MAP.

NANAIMO MINING DIVISION.

Scale 1:50,000 Oct./85

92F/2E

FIG. 2.

GEOLOGY.

Regional northwest faults along the Cameron River valley separate Paleozoic Sicker rocks on the south from upper Triassic Karmutson volcanic rocks to the north. Deformed breccia, tuff, argillite, greenstone, greenschist and narrow dykes of andesite porphyry thought to be part of the lower section of the Sicker group outcrop on the valley slopes south of the river. Argillaceous and calcareous sedimentary rocks near the river may represent upper members of the formation. The Karmutson rocks include pillow lavas and breccias that are locally intruded by dykes ? of feldspar porphyry.

The structural geology of the area is complex and numerous faults and shear zones are indicated. Previous work suggests the presence of a north-northeast fault through the Peak Lake area. A number of small quartz veins are present in this area as are a number of bright carbonatized zones.

GEOCHEMICAL SURVEY.

A network of logging roads crossing the Emma 20 and 21 mineral claims are well defined on aerial photographs and on logging company maps. These roads are tied to claim boundaries by belt chain and compass survey. Soil samples were collected at 50 meter intervals on road traverses the location of which are shown on figure 4 accompanying this report.

An unusual feature is that soil cover over much of the claim area is a rusty limonitic colour varying from pale to dark reddish brown. The colouration appears to be related to altered basalt, or to carbonatized zones with minor sulphide. A weak stratification is evident in some areas and is comprised of a 20 to 30 centimetre medium red soil below the organic cover that grades down to a paler brown horizon. The limonitic soils locally overlay thick deposits (+2 meters) of brown clayey boulder till.

Samples were collected with picks from the up-slope sides of of the roads. Some of the samples were well away from the roads. Sample depths were \pm 30 centimeters below surface. Particulars of sample areas were recorded in field books, stations flagged, and samples packaged in standard kraft soil envelopes for shipment to Acme Analytical Laboratory in Vancouver for analysis. The samples were dried and screened at the laboratory and the minus 80 mesh fraction assayed for gold by AA, and for silver by the technique outlined on assay reports.

SAMPLE RESULTS.

Previous work by the late Mr. Phendler, P.Eng., suggested thresholds for gold geochemistry as 6 ppb and 20 ppb. For the purpose of this report, the 20 ppb threshold is used although it is recognized that assays in the 6 to 20 ppb range may also be significant.

The gold content of the 207 samples ranges from 1 to 80 ppb, and silver content from 0.1 to 2.7 ppm. The high gold does not appear to be coincident with high silver content.

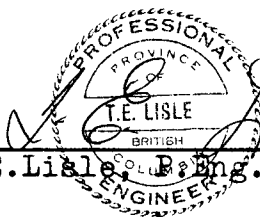
DISCUSSION AND CONCLUSIONS.

The higher gold and silver assays appear to be widely scattered along the road system. A loose clustering of high gold assays on River Road between 16+00 and 22+50 confirms previously reported anomalous geochemistry on roads R-20 and 21 up-slope to the southwest. This area warrants further investigation by detailed survey to define areas for follow-up work.

Other areas of anomalous gold and silver shown on figure 3 accompanying this report should be locally detailed with geochemistry and geologically examined to determine whether they require additional investigation.

Respectfully submitted,
T.E.Lisle and Associates Limited.

October 15, 1985

 *T.E. Lisle*
T.E.Lisle, P.Eng.

REFERENCES.

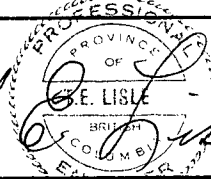
- Holland, S.S. Landforms of British Columbia, A Physiographic Outline, Bulletin 48. British Columbia Ministry of Energy, Mines and Petroleum Resources. 1976
- Phendler, R.H. Emma Claims, Property Reports, 1983 to 1985.
- Stevenson, J.S.
Report on China Creek Area.
Annual Reports of the Minister of Mines of the Province of British Columbia, 1944.
- Muller, J.E. Geology and Mineral Deposits of the Alberni Map Area. Paper 68-50. Geological Survey of Canada.

APPENDIX 1

Statement of Expenses.

Wages.	T.E.Lisle, Sept. 28-29, 1985	600.00	
	E. Tsuida, Sept. 23-30, 8 at \$162	1296.00	
	C. Brigden, Sept. 24-29. 32 at \$10.00	320.00	2216.00
Geochemical Analyses:			
	206 for gold and silver and prep. at \$6.60		1366.20
Transportation:			
	Truck Rental. 8 at \$40.00	320.00	
	Budget Rent-a-Car	80.24	
	Ferry.	76.00	
	Accomadation and Meals	580.68	1056.92
Field supplies and Miscellaneous expenses.		75.00	75.00
Report and Drafting.		650.00	650.00
Reproduction. Est.		50.00	50.00
			<hr/>
			5414.12
			<hr/> <hr/>

T.E.Lisle and Associates Ltd.


A circular professional seal for T.E. Lisle, a Professional Engineer in the Province of British Columbia. The seal contains the text 'PROFESSIONAL ENGINEER', 'PROVINCE OF BRITISH COLUMBIA', and 'T.E. LISLE'. A handwritten signature is written over the seal.

October 15, 1985

T.E.Lisle, P.Eng.

T.E. LISLE & ASSOCIATES LTD.

GEOLOGISTS

145 West Rockland Road,
North Vancouver, B.C.
V7N-2V8
(604) 987-0821

I, Thomas E.Lisle of 145 West Rockland Road, North Vancouver, British Columbia, do hereby declare:

- 1) That I am a geologist with residence and business at the above address.
- 2) That I received a Bachelor of Science from the University of British Columbia in 1964, and have practiced my profession continuously since that time in Canada and the United States.
- 3) That I am a member in good standing of the following:
Association of Professional Engineers of British Columbia.
Geological Association of Canada.
Canadian Institute of Mining and Metallurgy.
- 4) That I am the author of this report and the work was completed under my direction on the dates stated. The report is based on the results of the work and on a review of the background information in the company file.

Signed this 15 day of October, 1985 at North Vancouver, B.C.




T.E.Lisle, P.Eng.

APPENDIX 3

ASSAY REPORTS.

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

DATE RECEIVED: OCT 1 1985

DATE REPORT MAILED: *Oct 4/85*

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.

ASSAYER:DEAN TOYE OR TOM SAUNDRY, CERTIFIED B.C. ASSAYER

AU RESOURCES PROJECT - AU FILE # 85-2634 PAGE 1

SAMPLE#	Ag PPM	Au* PPB
RR 0+00	.9	7
RR 0+50	.8	4
RR 1+00	.6	1
RR 1+50	.3	55
RR 2+00	.6	6
RR 2+50	.6	2
RR 3+00	.5	4
RR 3+50	.1	5
RR 4+00	.3	19
RR 4+50	.2	3
RR 5+00	.4	2
RR 5+50	.1	13
RR 6+00	.4	7
RR 6+50	.3	3
RR 7+00	.4	1
RR 7+50	.2	3
RR 8+00	.3	2
RR 8+50	.2	1
RR 9+00	.1	2
RR 9+50	.2	3
RR 10+00	.1	6
RR 10+50	1.4	1
RR 11+00	.1	1
RR 11+50	.4	1
RR 12+00	.3	1
RR 12+50	.1	1
RR 13+00	.3	2
RR 13+50	.2	1
RR 14+00	.2	1
RR 14+50	.2	2
RR 15+00	.2	12
RR 16+00	.1	18
RR 16+50	.1	21
RR 17+00	.1	12
RR 17+50	.1	80
RR 18+00	.2	29
STD C/AU-0.5	7.0	485

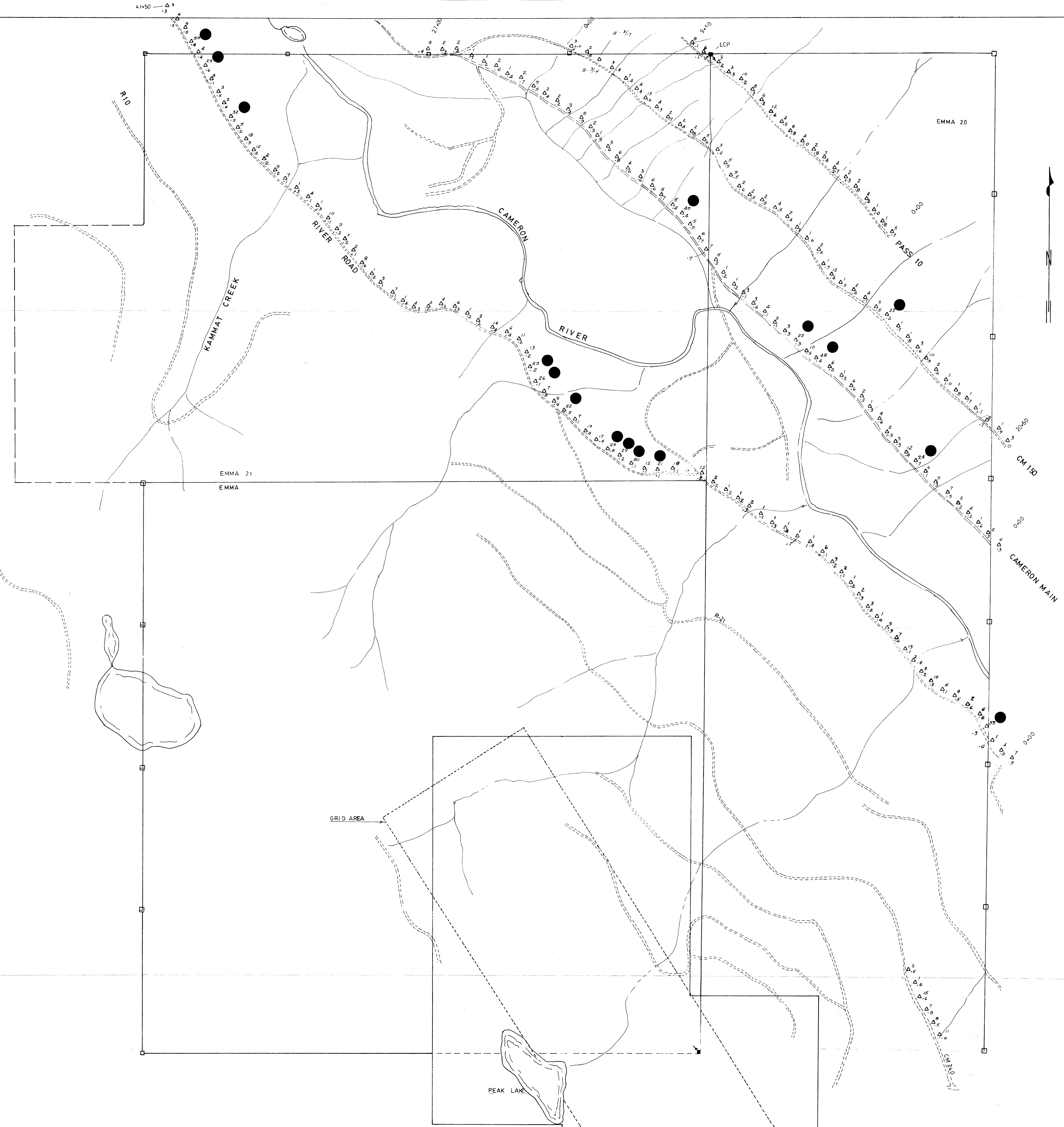
SAMPLE#	Aq PPM	Au* PPB
RR 18+50	.4	29
RR 19+00	.4	17
RR 19+50	.4	19
RR 20+00	.1	7
RR 20+50	.5	22
RR 21+00	.4	9
RR 21+50	.8	7
RR 22+00	.1	26
RR 22+50	.2	55
RR 23+00	.2	13
RR 23+50	.2	11
RR 24+00	.4	6
RR 24+50	.4	14
RR 25+00	.2	3
RR 25+50	.2	1
RR 26+00	.3	6
RR 26+50	.3	4
RR 27+00	.1	2
RR 27+50	.3	4
RR 28+00	.4	1
RR 28+50	.1	7
RR 29+00	.1	3
RR 29+50	.2	1
RR 30+00	.6	8
RR 30+50	.1	2
RR 31+00	.2	1
RR 31+50	.2	9
RR 32+00	.1	10
RR 32+50	.3	1
RR 33+00	.1	4
RR 33+50	.3	1
RR 34+00	.1	7
RR 34+50	.2	9
RR 35+00	.2	2
RR 35+50	.2	12
RR 36+00	.3	18
STD C/AU-0.5	7.2	505

SAMPLE#	Ag PPM	Au* FPB
RR 36+50	.2	5
RR 37+00	.5	32
RR 37+50	.4	2
RR 38+00	.5	3
RR 38+50	.1	8
RR 39+00	.6	29
RR 39+50	.4	4
RR 40+00	.4	50
RR 40+50	.5	9
RR 41+00	.3	6
RR 41+50	.3	3
CM150 0+00	1.0	3
CM150 0+50	.8	2
CM150 1+00-A	.7	3
CM150 1+00-B	.4	3
CM150 1+50	.4	3
CM150 2+00	.4	7
CM150 2+50	.4	4
CM150 3+00	.6	13
CM150 3+50	.3	4
CM150 4+00	.7	2
CM150 4+50	.8	2
CM150 5+00	.8	2
CM150 5+50	.6	5
CM150 6+00	.4	3
CM150 6+50	.9	5
CM150 7+00	.5	5
CM150 7+50	.6	2
CM150 8+00	.5	2
CM150 8+50	.5	2
CM150 9+00	.5	4
CM150 9+50	.4	2
CM150 10+00	.3	1
CM150 10+50	.6	1
CM150 11+00	.5	2
CM150 11+50	.7	1
STD C/AU-0.5	7.0	495

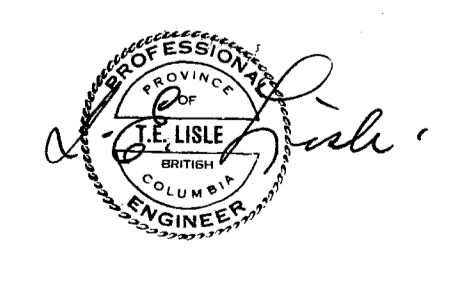
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CM150 12+50	.5	1
CM150 13+00	.4	2
CM150 13+50	.7	4
CM150 14+00	.5	3
CM150 14+50	.2	22
CM150 15+00	.7	1
CM150 15+50	.8	1
CM150 16+00	.6	3
CM150 16+50	.9	10
CM150 17+00	.6	2
CM150 17+50	1.0	1
CM150 18+00	.8	1
CM150 18+50	.7	1
CM150 19+00	1.1	1
CM150 19+50	.7	8
CM150 20+00	.9	1
CM150 20+50	1.0	3
CM240 0+50S	.5	2
CM240 1+00S	.4	1
CM240 1+50S	.6	15
CM240 2+00S	.8	7
CM240 2+50S	.5	8
CM240 3+00S	.4	11
F10 0+00	.7	5
F10 0+50	.8	1
F10 1+00	1.0	1
F10 1+50	.4	4
F10 2+00	.8	2
F10 2+50	1.3	2
F10 3+00	2.7	4
F10 3+50	.4	7
F10 4+00	.8	2
F10 4+50	1.0	4
F10 5+00	.8	6
F10 5+50	.5	4
STD C/AU-0.5	7.0	510

SAMPLE#	Ag PFM	Au* PFB
F10 6+00	.4	12
F10 6+50	.2	6
F10 7+00	.3	8
F10 7+50	.2	10
F10 8+00	.3	3
F10 8+50	.2	3
F10 9+00	.1	6
F10 9+50	.1	8
CM 0+00	.3	4
CM 0+50	.3	2
CM 1+00	.6	1
CM 1+50	.2	4
CM 2+00	.2	2
CM 2+50	.5	7
CM 3+00	.3	5
CM 3+50	.1	6
CM 4+00	.7	24
CM 4+50	.4	12
CM 5+00	.3	9
CM 5+50	1.3	2
CM 6+00	.6	4
CM 6+50	.3	1
CM 7+00	.3	2
CM 7+50	.6	6
CM 8+00	.3	1
CM 8+50	.2	6
CM 9+00	.4	48
CM 9+50	.5	10
CM 10+00	.3	22
CM 10+50	.3	3
CM 11+00	.1	9
CM 11+50	.1	4
CM 12+00	.6	3
CM 12+50	.1	3
CM 13+00	.2	1
CM 13+50	.2	1
STD C/AU-0.5	6.8	520

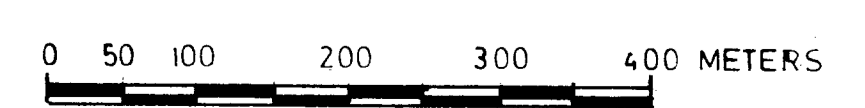
SAMPLE#	Ag PPM	Au* PPB
CM 14+00	.2	5
CM 14+50	.7	7
CM 15+00	.7	6
CM 15+50	.5	5
CM 16+00	.4	40
CM 16+50	.4	5
CM 17+00	.7	5
CM 17+50	.6	4
CM 18+00	.6	3
CM 18+50	.6	4
CM 19+00	.8	6
CM 19+50	.6	3
CM 20+00	.3	1
CM 20+50	.3	2
CM 21+00	.9	5
CM 21+50	.4	3
CM 22+00	.2	2
CM 22+50	.4	2
CM 23+00	.5	9
CM 23+50	.7	2
CM 24+00	.4	1
CM 24+50	.6	2
CM 25+00	.2	1
CM 25+50	.1	1
CM 26+00	.4	2
CM 26+50	.3	2
CM 27+00	.4	5
STD C/AU-0.5	7.2	515



80 PPB GOLD
 ▲ PPM SILVER
 ● ASSAYS GREATER THAN 20 PPB AU.



AU RESOURCES LIMITED.
 EMMA PROSPECT - NANAIMO MINING DIV.
 GEOCHEMISTRY, GOLD, SILVER.
 SCALE: 1 TO APPROXIMATELY 5000. OCT/85



13875