

'81-#12-#9089

GEOLOGICAL REPORT

ON THE

JANE PROPERTY

NICOLA MINING DIVISION

Latitude $50^{\circ} 06' N$; Longitude $121^{\circ} 49' W$; N.T.S. 92I/2W

for

HAMBRO RESOURCES LTD.

Vancouver, B.C.
July 4, 1980

Paul Plicka
Consulting Geologist

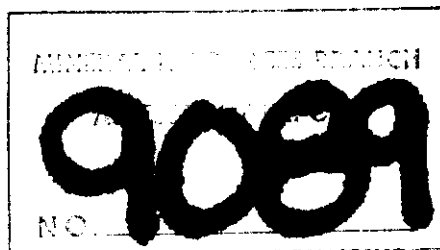
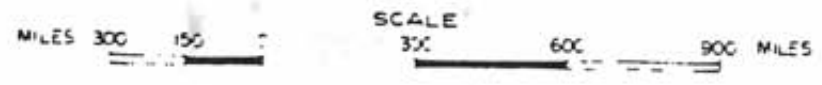


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HAMBRO RESOURCES LTD.
 LOCATION MAP
 OF
 JANE CLAIMS



DATE: JUNE 26, 1980

By: PAUL PLICKA

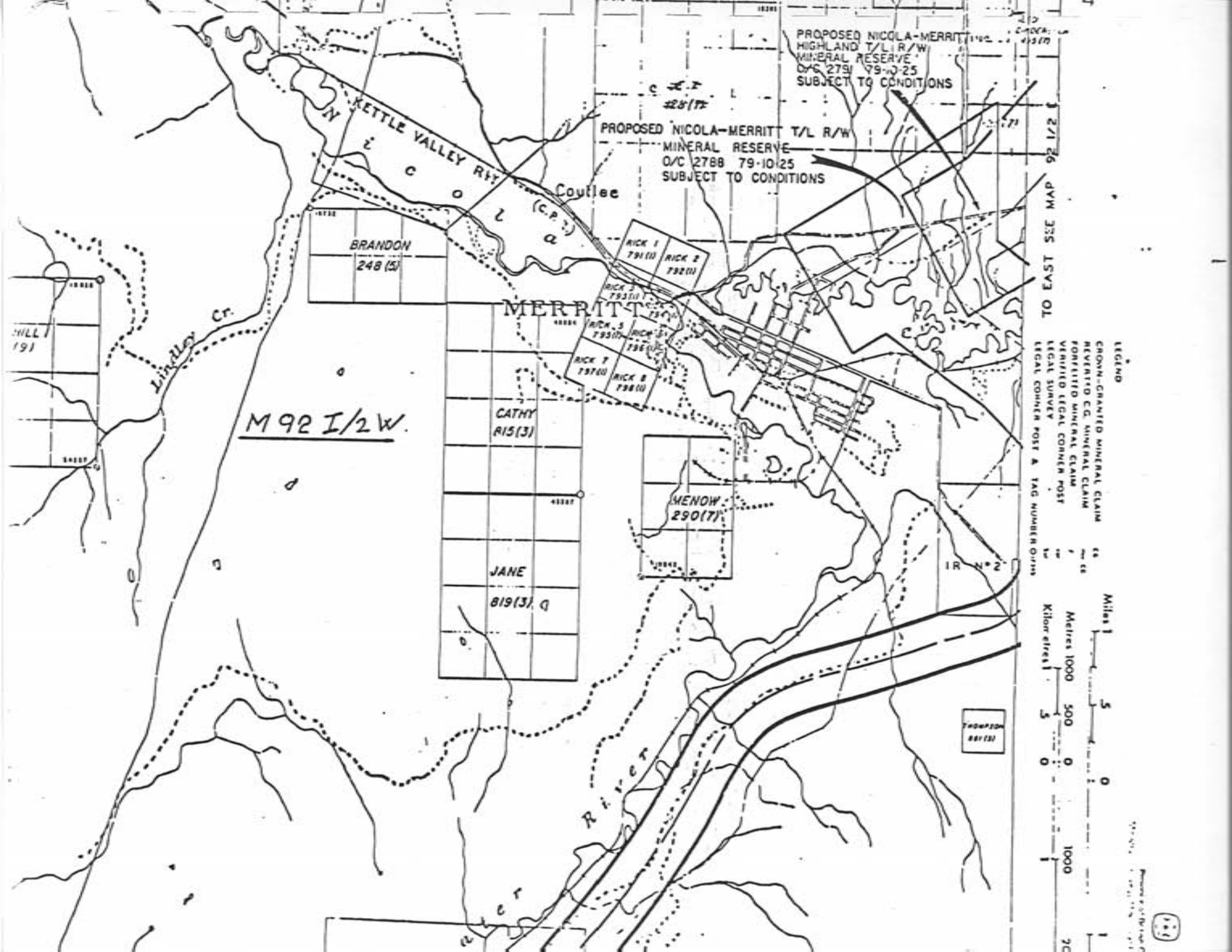
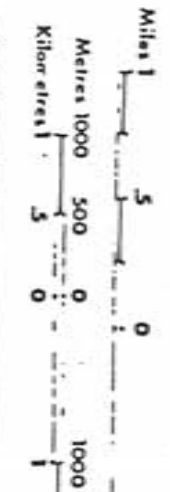
FIG. 1

PROPOSED NICOLA-MERRITT
HIGHLAND T/L R/W
MINERAL RESERVE
O/C 2791 79-10-25
SUBJECT TO CONDITIONS

PROPOSED NICOLA-MERRITT T/L R/W
MINERAL RESERVE
O/C 2788 79-10-25
SUBJECT TO CONDITIONS

TO EAST SEE MAP 92 1/2 E

LEGEND
 CROWN-GRANTED MINERAL CLAIM
 REVERTED C.G. MINERAL CLAIM
 FORFEITED MINERAL CLAIM
 VERIFIED LEGAL CONHORN POST
 LEGAL CONHORN POST & TAG NUMBER GIVEN



JANE PROPERTY
HAMBRO RESOURCES LTD.

INTRODUCTION

On request of Mr. J. Ferris, Director of Hambro Resources Ltd., the writer and crew of three carried out Phase I of exploration programme as outlined in the geological report on the Jane property dated April 10, 1980.

CLAIMS AND OWNERSHIP

The property consists of a 12 unit claim, known as Jane. Hambro Resources Ltd. is the 100% owner of the claim. For location, see claim maps.

LOCATION AND ACCESS

The claim group is located at $121^{\circ}49'W$ and $51^{\circ}06'N$, 2 km west of the town of Merritt in the Nicola Mining Division. The property is reached by a good gravel road on the south side of Nicola River.

GEOGRAPHY AND VEGETATION

The claim is located on steep hills rising from the Nicola Valley's 2,600 feet to a high plateau of 3,800 feet to 4,000 feet. The plateau is covered with a growth of pine and some willows and bushes. The area is used for grazing by local ranchers.

HISTORY

The area became active in the late 1950's upon discovery of copper in Highland Valley. The Bethlehem Copper Mine started operation in 1962. Subsequent detail exploration in "Copper Valley" discovered several high grade showings. The largest of these was developed into Craigmont Mine. Today's renewed interest in copper rekindled exploration in Copper Valley.

GEOLOGY REGIONAL

The claims are underlain by volcanic flows and tuffs and minor sediments of the Nicola Series of Triassic age. Where exposed, these are relatively thin bedded, of the order of a few feet to a few tens of feet in thickness. The tuffs are moderately coarse, frequently brown

to reddish, and only a few feet thick. The flows are generally andesitic, often exhibit broken flow tops with considerable calcification, and some are strongly amygdaloidal. The amygdules are often much elongated, especially near the flow bases, and consist mostly of silica with some calcite on occasion. Copper mineralization in the area is found disseminated in the flows and occupying fine fractures.

GEOLOGY LOCAL

The rocks in the property area belong to two distinguished groups:

Nicola Group of Upper Triassic age chiefly consist of volcanic greenstones which are mainly andesitic with minor basaltic flows. The andesite is prophytic in places.

Coast Intrusion of Jurassic age possibly member of Iron Mask batholith the member consists of granite, granodiorite, syonite, monzonite and gabbro.

The rocks observed in the property area are different volcanic flows. The mineralization is observed in highly siliceous chloritic andesite.

WORK DONE

The crew carried out partial geochemical survey on the property. 14,800 metres of flag line grid was established on the property. The crew collected 148 samples mostly soil, however where applicable, rock chips were collected. General geological mapping of the area was carried out. The crew carried out limited hand trenching in areas of shallow overburden to expose underlying bedrock. The total cost of Phase I is \$24,750.00.

SAMPLE PREPARATION

The samples were dried and ground to -80 mesh size. The pulp was treated in hot hydrochloric acid and read on atomic absorption for copper and silver.

The samples were collected in the "C" horizon. Generally the soils are sandy with thin infrequent clay beds.

The assay profile is as follows:

Samples assay between

	ppmCu	
0 - 9	-	11%
10 - 19	-	40%
20 - 29	-	40%
30	→ -	9%

The highest copper assay being 60 ppmCu.

ppm = parts per million.

The silver assays are very low, the majority less than 0.1 ppmAg and thus were not plotted.

The geochemical contour map shows five primary target locations at 400W 700S, 400W 1100S, 700W 800S, 400W 200S, 1200W 200S.

DISCUSSION OF RESULTS

Three of the five targets are located on 400W line. The property has a downhill profile to the south, thus creating a possibility of sampling of different volcanic layers. The targets in the northwest part of the property may represent intrusion contact zone.

ROCK DESCRIPTION

All of the observed outcrops are andesitic flows. The andesite grades from brown siliceous chloritic to greyish black uniform, fine grain flows. Trenching in the target areas would reveal the flow associated with mineralization or possibly thinly covered intrusions.

CONCLUSIONS AND RECOMMENDATIONS

The target areas on the 400W line and northwestern corner should be investigated.

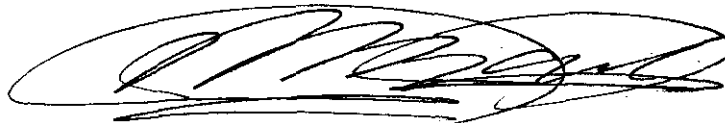
The use of geophysical methods should outline the extent of mineralization. The Electromagnetic survey could be used as a mapping tool to find and outline the intrusion.

To determine the exact nature of the mineralization and to map the geology it is recommended to proceed with Phase II as follows:

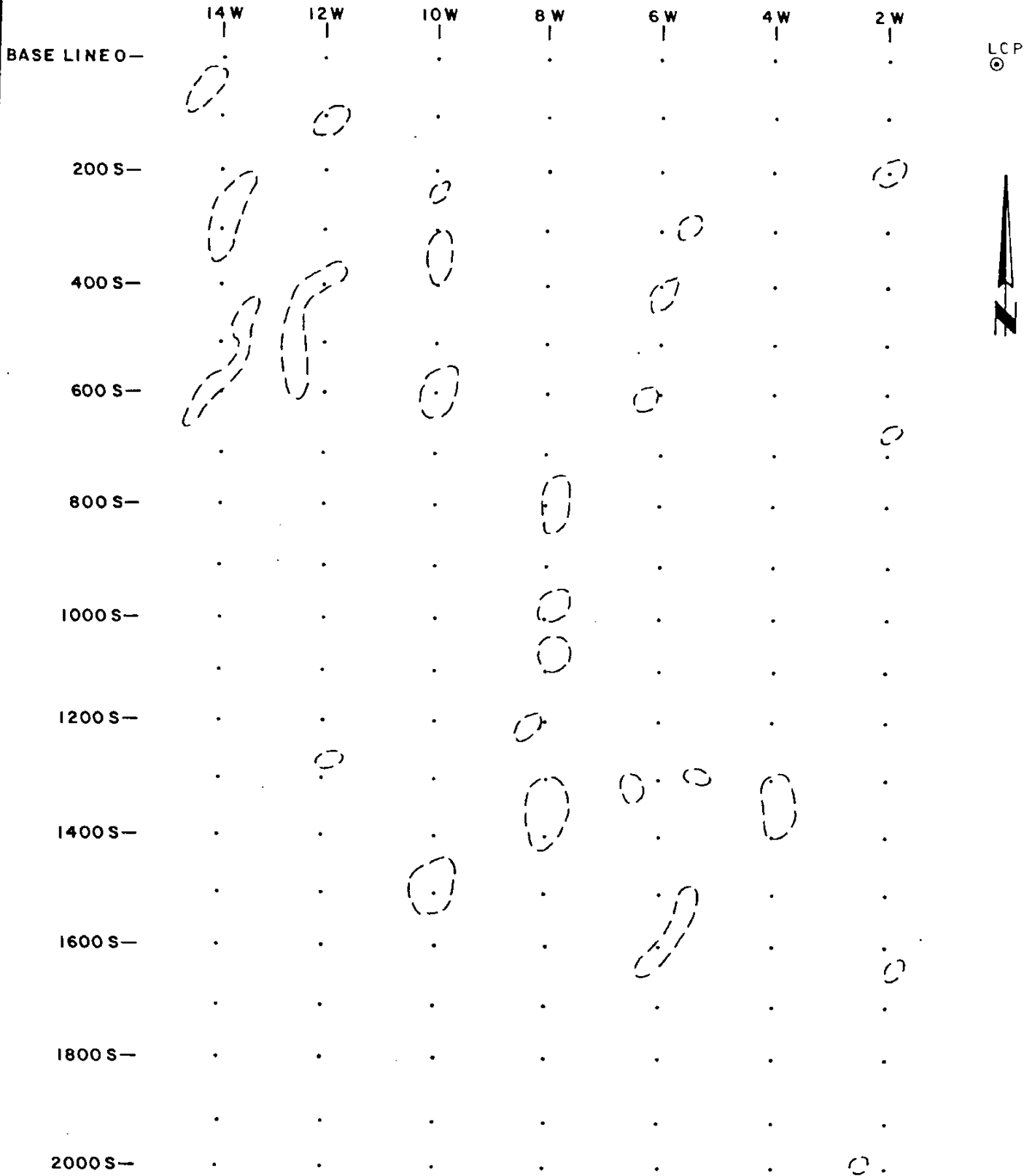
PHASE II

Mag Survey \$150/hour	\$ 6,000
E.M. Survey \$100/km	4,000
I.P. Survey \$600/km	24,000
Trenching Targets	10,000
Sampling Targets	5,000
Geologist	4,000
Travel and Contingencies	<u>4,500</u>
Total, Phase II	<u>\$57,500</u>

Respectfully submitted,



Paul Plicka
Consulting Geologist



HAMBRO RESOURCES LTD.
 - JANE CLAIMS -
 OUTCROP LOCATIONS



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By: PAUL PLICKA

FIG. 2

	14 W	12 W	10 W	8 W	6 W	4 W	2 W
BASE LINE 0—	.290	.140	.280	.30	.30	.600	.230
	.60	.20	.250	.60	.220	.240	.120
200 S—	.220	.300	.170	.220	.200	.300	.100
	.20	.160	.120	.270	.170	.50	.170
400 S—	.90	.200	.80	.240	.190	.300	.260
	.140	.140	.110	.210	.290	.250	.190
600 S—	.120	.180	.110	.250	.140	.300	.300
	.220	.100	.330	.430	.390	.280	.180 .130
800 S—	.130	.230	.210	.10	.420	.360	.220
	.180	.160	.180	.120	.250	.360	.210
1000 S—	.80	.200	.200	.350	.270	.320	.330
	.150	.200	.160	.200	.310	.420	.160
1200 S—	.110	.180	.190	.190	.240	.360	.210
	.160	.210	.140	.270	.150	.190	.280
1400 S—	.170	.200	.100	.200	.260	.150	.150
	.260	.280	.100	.140	.80	.150	.220
1600 S—	.160	.200	.140	.230	.110	.250	.60
	.220	.130	.150	.150	.260	.420	.250
1800 S—	.130	.160	.160	.210	.210	.330	.330
	.90	.270	.100	.270	.210	.300	.260
2000 S—	.90	.270	.150	.180	.230	.	.300

LCP
⊙



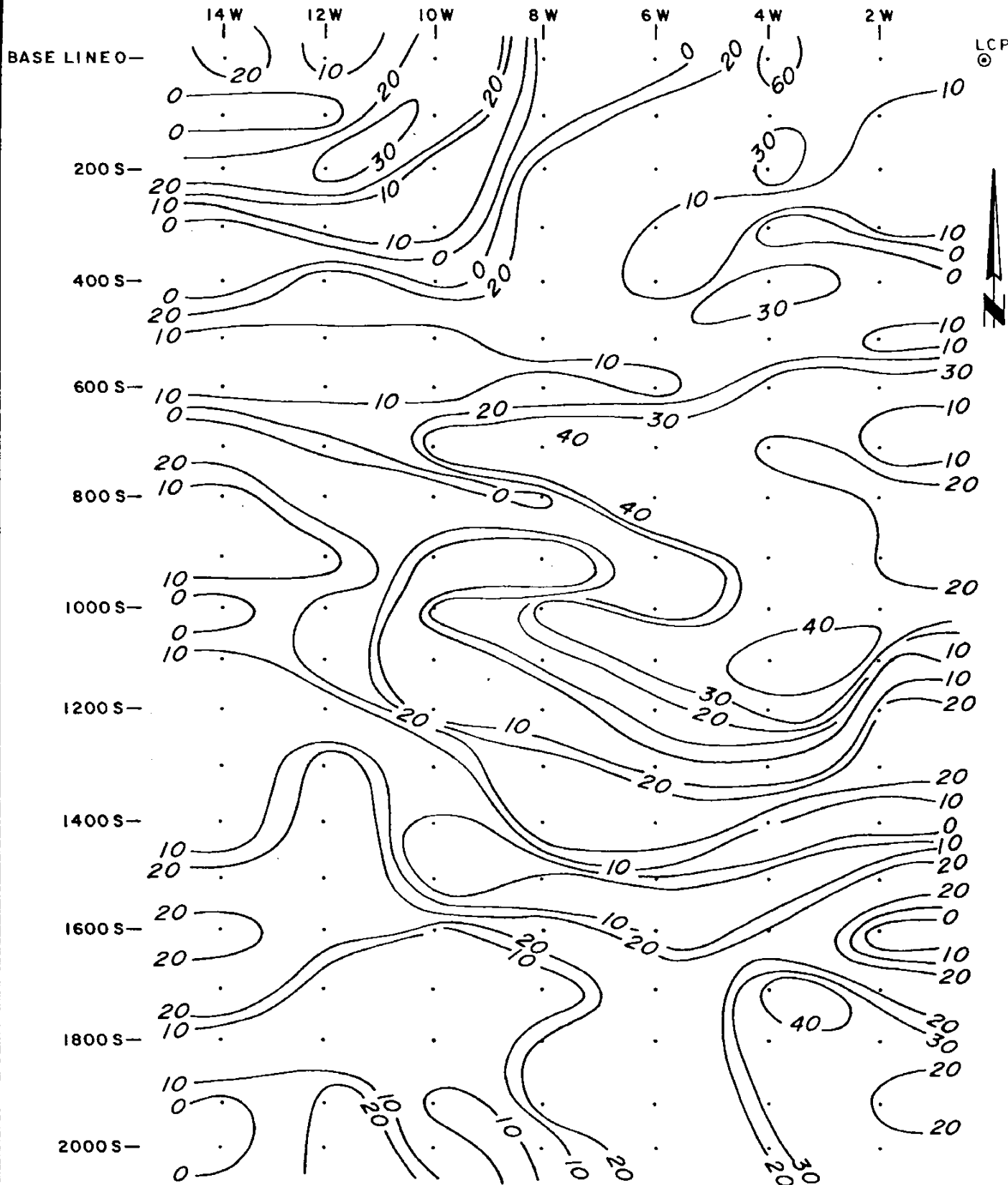
HAMBRO RESOURCES LTD.
 — JANE CLAIMS —
 GEOCHEMICAL RESULTS
 COPPER P.P.M.



DATE: JUNE 26, 1980

By: PAUL PLICKA

FIG 3



HAMBRO RESOURCES LTD.

- JANE CLAIMS -

GEOCHEMICAL CONTOURS
COPPER P.P.M.



CERTIFICATE

I, Paul Plicka, of Suite 609, 525 Seymour Street, Vancouver, British Columbia, V6B 3H7, hereby certify as follows:

1. I am a graduate of Prague Technical University, 1966.
2. I have practised my profession for eleven years in British Columbia.
3. I am a fellow of the Geological Association of Canada, in good standing since 1973.
4. I have no direct or indirect interest in the securities of Hambro Resources Ltd., nor do I expect to receive any interest in the future.

A handwritten signature in black ink, appearing to read 'Paul Plicka', enclosed within a large, hand-drawn oval.

Paul Plicka
Consulting Geologist

Dated at Vancouver, British Columbia, this 4th day of July, 1980.

PAUL PLICKA
CONSULTING GEOLOGIST
609 - 525 Seymour Dr.
Vancouver, B. C.

September 4, 1981

Ministry of Energy, Mines
and Petroleum Resources
Parliament Building
Victoria, B. C.
V8V 1X4

Attention: Mr. R. Rutherford
Chief Gold Commissioner

Dear Sirs:

Re: File 166 - Nicola
Geochemical Report 81-#12

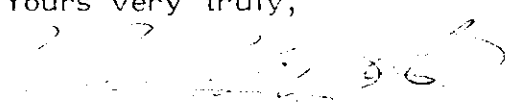
The crew of three carried out preliminary investigations of the Jane property between April 22 and May 11, 1981. Mr. F. Bartik was the supervisor on the job. The crews wages were \$125.00 per man day or \$4,500.00. The accommodation in Copper Valley Motel was \$42.50 per day or \$510.00. The food averaged \$110.00 per day or \$1,320.00 for the duration of the job. Truck rental at preferred rates - \$27.00 per day, no mileage charge for 14 days - \$378.00. CAN-TEST assayed all the samples at a cost of \$6.50 per sample, or total \$962.00. The report typing and preparation with drafting - \$585.00. The writer's visit to the property - 2 days, \$500.00 fees plus \$280.00 expenses.

Thus the expenditures as filed on Jane claim are \$9,035.00.

Wages	\$4,500
Accommodation	510
Food	1,320
Truck rental	378
Assay	962
Report	585
Geologist	<u>780</u>
TOTAL	<u>\$9,035</u>

I trust this information is sufficient for your records.

Yours very truly,


Paul Plicka