

# 00017

REPORT FOR THE RAF CLAIMS  
BONNET PLUME AREA, Y.T.  
FOR  
ENVOY RESOURCES LTD.  
BY  
J.W. HOGAN, B.A.SC., P.ENG.

L.J.Manning & Associates Ltd.  
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May 9, 1974.

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CERTIFICATE OF QUALIFICATION

DRAWING

LOCATION & GENERAL CARBONATE HORIZON

**L. J. MANNING & ASSOCIATES LTD.**

CONSULTING MINING AND GEOLOGICAL ENGINEERS

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L. J. MANNING - 985-5690

May 9, 1974.

The President & Directors  
Envoy Resources Ltd.  
333 - 885 Dunsmuir Street  
Vancouver  
British Columbia

Dear Sirs;

The following report on the Envoy Resources Ltd., RAF claims, Bonnet Plume Area, Y.T., is based on a study of all available data and discussions with other Professional Engineers who have been in the area or have knowledge on the area from reliable sources.

SUMMARY & RECOMMENDATIONS

Envoy Resources Ltd. holds 40 RAF claims in the Bonnet Plume area, Yukon Territory. These claims appear to be located eight miles easterly along strike from the important Barrier Reef Resources Ltd. zinc mineralization in carbonate rocks. An indicated stratobound control for mineralization suggests that the possible strike correlation presents a good target for exploration on the RAF claims.

A two phase program is recommended:

PHASE I - Geological mapping & prospecting and geochemical sampling	\$15,600.00
PHASE II- Drilling	\$30,000.00

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CLAIMS

Envoy Resources Ltd. hold 40 claims in the Bonnet Plume area, Yukon Territory.

<u>CLAIM</u>	<u>RECORD NOS.</u>	<u>DATE OF RECORD</u>	<u>REGISTERED OWNER</u>
RAF 1-40	Y69912-Y69951	August 21, 1973	A. Harmon

The writer has not examined the stakings.

LOCATION, ACCESS, TOPOGRAPHY

The property is in the north-eastern part of the Yukon near the headwaters of the Bonnet Plume River, in N.T.S. Sheet 106-C-8 at 64°20' North and 132°15' West.

The nearest supply point is Mayo which is 120 air miles southwest of the claim group. Access would probably be by helicopter from an air strip at the Barrier Reef property.

Topography is rugged, with elevations ranging from 3500'-5500'.

REGIONAL & LOCAL GEOLOGY

The only mapping available to date is from regional work by the G.S.C. Rock units comprise quartzites, shales and carbonate rocks which may be Cambrian age. At present the horizons of principle interest are believed to be carbonates in Mid and Lower Cambrian.

Information to date indicated that the RAF Group covers the eastern strike projection of the Barrier Reef Mines zinc mineralization.

AREA EXPLORATION TO DATE

To the best of the writer's knowledge, exploration work has not been performed on the RAF claims and the first staking in the area was last year on the Barrier Reef Mine claims six miles to the west.

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CONCLUSIONS

The proximity of the Envoy Resources Ltd. RAF claims along strike from the important Barrier Reef Resources zinc mineralization in carbonate rocks presents a good target for exploration to locate similar zinc mineralization in the indicated stratobound environment.

RECOMMENDATIONS

The following two phase program is recommended on the Envoy Resources Ltd. RAF claims.

PHASE I

- Geological mapping, prospecting and geo-chemical sampling where applicable	
80 claims @ \$200/calim (including camp)	\$8,000.00
- Mobe and Demobe	2,000.00
- Service Aircraft	2,000.00
- Reports	1,000.00
- Contingent	2,600.00
	<hr/>
TOTAL PHASE I	\$15,600.00

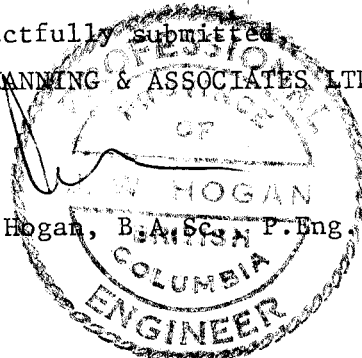
PHASE II

This phase is dependent upon the results of Phase I

- Drilling - 1000' @ \$30/Ft. (Including mobe, demobe, supervision, assays etc.)	\$30,000.00
	<hr/>
TOTAL PHASE I&II	\$45,600.00

Respectfully submitted,  
L.J. MANNING & ASSOCIATES LTD.

J.W. Hogan, B.Sc. P. Eng.



APPENDIX

CERTIFICATE OF QUALIFICATIONS

I, John W. Hogan, P.Eng., Geological, of 859 Prospect Avenue, North Vancouver, B. C., certify as follows:

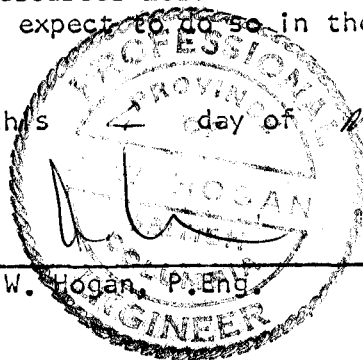
1. That I graduated from the University of British Columbia in 1953 with a Bachelor of Applied Science Degree in Geological Engineering.
2. That I have been a professional engineer since 1956.
3. That I have been engaged in the profession of Geological Engineering for 20 years.
4. That from 1954 to 1956, I was employed as a geologist at Pronto Uranium Mines and Rix Athabasca
5. That from 1956-1960, I was Mine Geologist at Can-Met Explorations Ltd.
6. That from 1960-1966 I was a Project Geologist for Denison Mines Ltd. in Ireland and Maine, U.S.A.
7. That from 1966-1969 I was Western Representative for Denison Mines Ltd.
8. That I am presently an Associate in the firm of L. J. Manning & Associates Ltd., Vancouver, B. C.
9. That the attached report on the Envoy Resources Ltd. RAF Claims, Bonnet Plume area, Yukon Territory, is based on a study of all available data and knowledge of the area from discussions with other Professional Engineers who have been in are area or have knowledge on the area from reliable sources.
10. That I do not hold any financial or any other interest in the properties or stock of Envoy Resources Ltd. or any of its affiliates, nor do I expect to do so in the future.

Dated at Vancouver, British Columbia this

day of

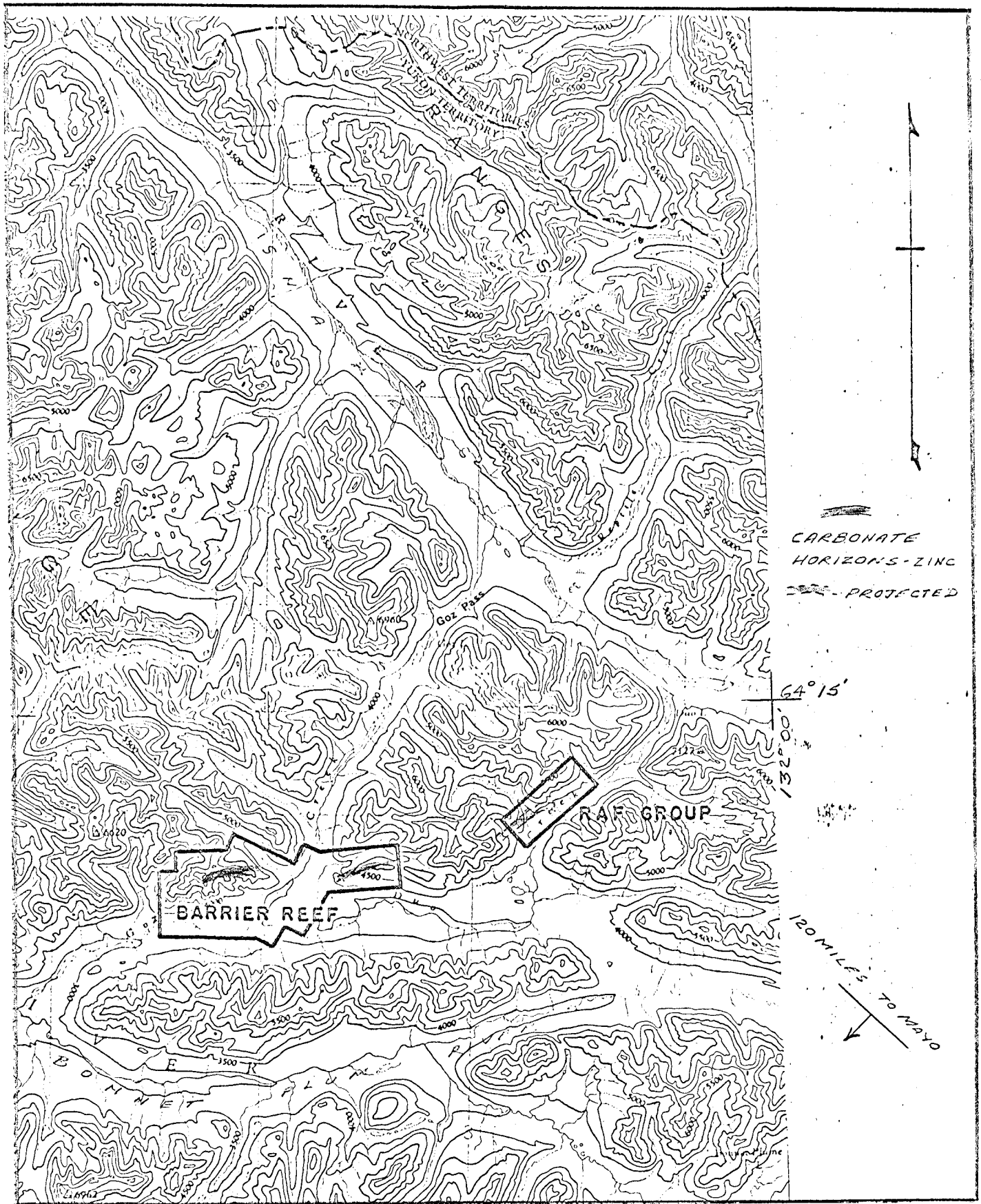
Mar/1974

J. W. Hogan, P.Eng.



DRAWING





ENVOY RESOURCES LTD  
LOCATION OF CARBONATE HORIZON  
RAF CLAIMS - BONNET PLUME AREA, Y.T.  
 SCALE 1" = 4 miles  
 L.J. MANNING & ASSOCIATES