ASSESSMENT REPORT

GEOLOGICAL AND GEOCHEMICAL REPORT
ALEXANDRIA PROPERTY
VANCOUVER MINING DIVISION
N.T.S. 92K/6W & 92K/11W

Co-ordinates: 50°29'51"North
122°23'13"East

Owner of Claims: - Alexandria Group
by J.W. McLeod and W.P. Warshawski

- JB, COR, PAC, Alex
by Robert J. Lacey

Work done by: - G.A. Noel & Associates, Inc.
for Corpac Minerals Ltd.

by

HAROLD M. JONES, P.Eng.

January 21, 1982

G. A. NOEL & ASSOCIATES INC.
CONSULTING GEOLOGISTS

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0,391

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SUMMARY

The Alexandria property, located on Phillips Arm 200 km northwest of Vancouver, B.C. was explored by a small field crew from G.A. Noel & Associates on behalf of Corpac Minerals Ltd. from May 24 - June 9, 1981.

Geochemical soil sampling and outcrop mapping traced the mineralized Doratha-Morton vein southeasterly along strike to the Enid-Julie adit, a distance of 1500 metres. Approximately one half of this vein is on ground under option to Corpac Minerals Ltd.

Prospecting and reconnaissance mapping located two quartz vein outcrops, 500m and 1000m respectively northwest along strike of the Doratha-Morton workings. These showings may be a part of the same vein, indicating it could continue on to the company's Cor claim.

Geochemical soil sampling on strike from the Alexandria mine returned scattered low values in silver, copper and arsenic on two small grids, the closest of which is approximately 1000m from the mine portal at tidewater. The sample results may indicate mineralized veins in the area, however, data is limited and results are considered inconclusive at this stage.

Samples of vein material returned, in most cases, very low values in gold and silver, However, is does not preclude the presence of small ore shoots with grades similar to that known at the Alexandria mine (0.306 oz/ton gold) or that mined at the Doratha-Morton (0.44 oz/ton gold).

A two-stage exploration program is recommended. Stage I, estimated to cost $115,287 includes backhoe trenching and

sampling of the Enid-Julie vein, and extending the geocchemical and geological surveys to cover the projected veins beyond the area examined in 1980 and 1981. Stage II, estimated to cost $132,250, is for diamond drilling of areas of interest located from the 1980-81 work and Stage I proposed above. Because of access problems for backhoeing, Stage II drilling is not necessarily contingent on Stage I.

INTRODUCTION

The Alexandria property, located on Phillips Arm 200km northwest of Vancouver, B.C., was acquired by Corpac Minerals Ltd. in 1980. The property was reviewed by G.A.Noel, P.Eng., and is described in his report dated July 7, 1980. In this report he recommended, as Stage I, a modest program to explore in the vicinity and along extensions of known veins.

In 1980, a small crew under the direction of G.A.Noel, P.Eng., spent from July 16-26 on the property conducting geological mapping and geochemical soil sampling as recommended in Stage I of this report. The results of this work indicated that the Enid-Julie vein could be traced intermittently for at least 700m along strike. (Noel, Oct. 1980). Due to time limitations, the entire Stage I was not completed.

In 1981, a small crew, once again under the supervision of G.A.Noel, P.Eng., spent from May 24-June 9 on the property completing the Stage I program.

Due to a lack of finances by Corpac Minerals Ltd., the field data was not compiled immediately following the completion of the field program. Also, due to the untimely death of G.A.Noel, P.Eng., the data compilation had to be made by the writer, who has not visited the property but is familiar with it from various discussions with the late G.A.Noel.

Location and Access

The Alexandria group of claims is about 200 kilometres northwest of Vancouver and 55 kilometres north of Campbell River, on the west side of Phillips arm between Fanny Bay and Picton Point (Figure 1). The nearest settlement is the village of Thurlow on Shoal Bay at the north end of Thurlow Island about five kilometres to the south. The claims can be reached by water-taxi, aircraft on floats, or helicopter from Campbell River.

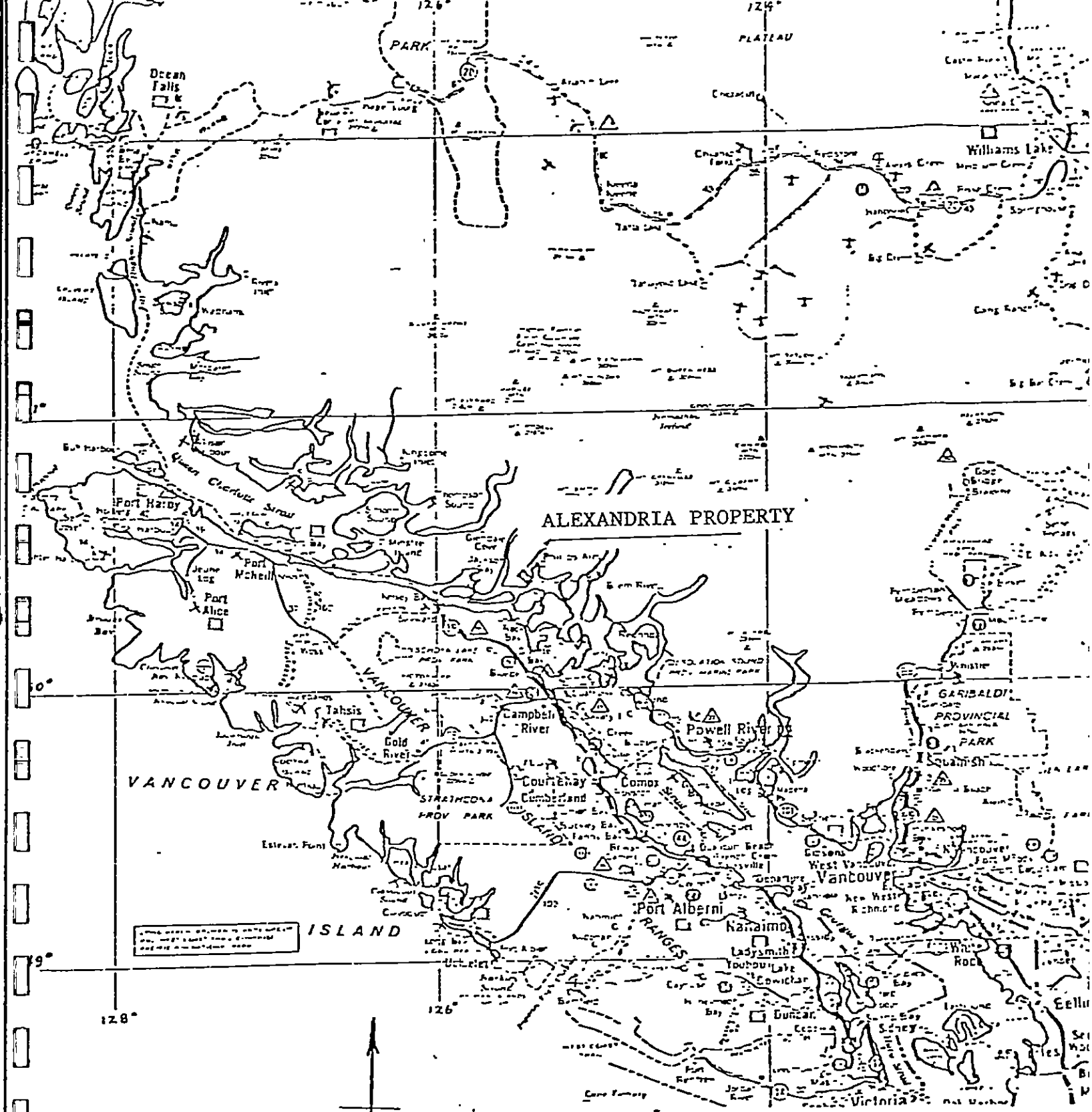
Logging roads, some now abandoned and in need of repair, lead from Picton Point to the northern edge of Alex claim. A minimum of bulldozer work is required to up-grade these roads for 4-wheel drive use.

Topography

The Alexandria property lies along a northwest trending mountain ridge which is bordered by very steep slopes on all but the southwestern side.

The eastern end of the property is characterized by a series of cliffs extending from tidewater to approximately 750m elevation.

Elevations range from sea level at the main Alexandria mine workings on L.225 to 1120m on Cor claim.



CORPAC MINERALS LTD.

G.A.Noel & Associates, Inc. Vancouver, B.C.

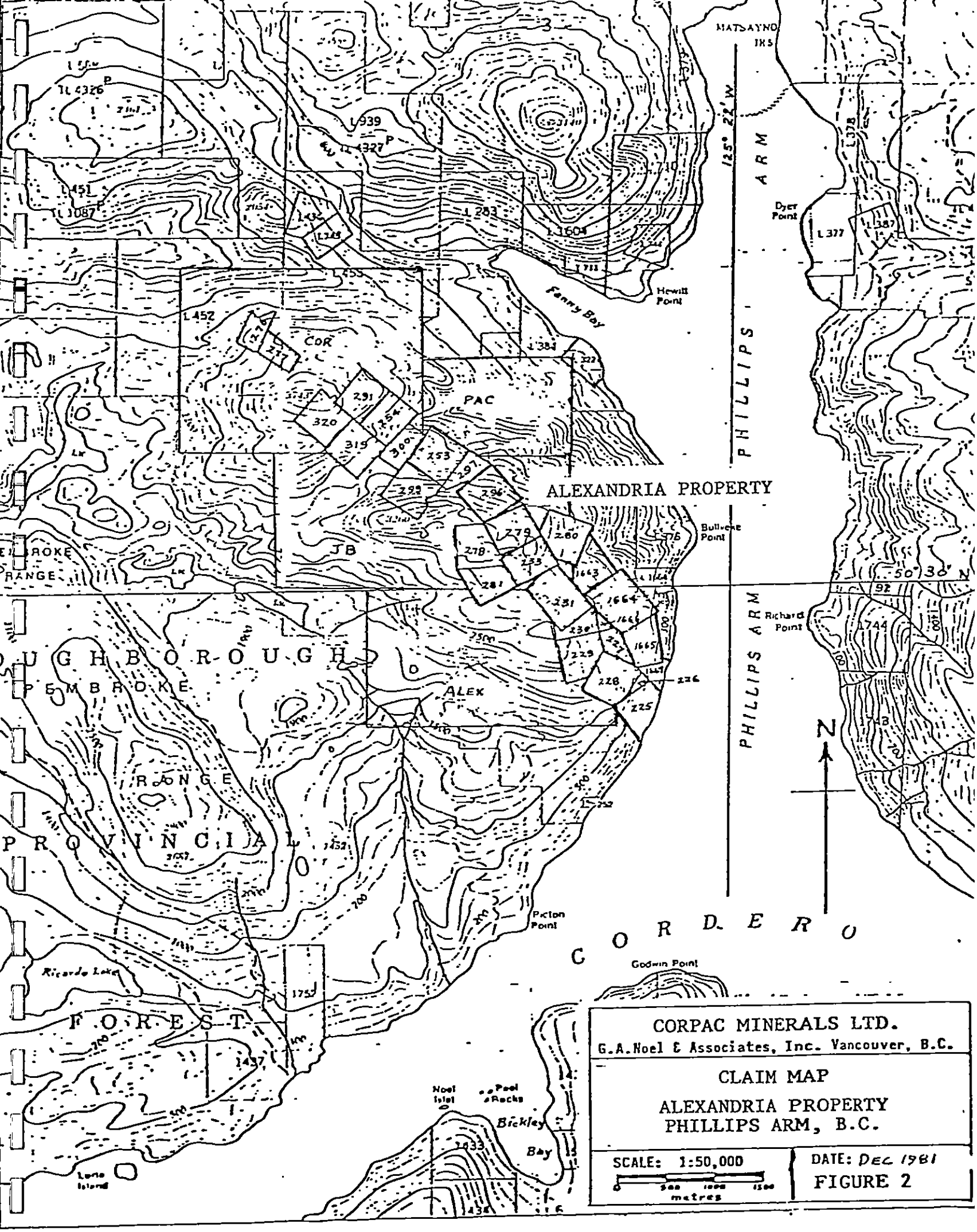
LOCATION MAP

ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.

SCALE: 1:2,500,00

DATE: Dec. 1981

FIGURE 1


ALEXANDRIA PROPERTY
PHILLIPS ARM
PHILLIPS ARM
Hewitt Point
Fanny Bay
Dyer Point
Bullock Point
Richards Point
Picton Point
Godwin Point
Noel Islet
Pool Rocks
Bickley Bay
Lone Island
Ricardo Lake
PAC
JB
ALEX
COR
PROVINCIAL FOREST
CORDERO
N
CORPAC MINERALS LTD.
G.A.Noel & Associates, Inc. Vancouver, B.C.
CLAIM MAP
ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.
SCALE: 1:50,000
metres
DATE: Dec 1981
FIGURE 2

Property and Title

The property consists of 17 reverted Crown granted mineral claims and 4 located claims totalling 59 units (Figure 2).

The reverted Crown granted claims are owned by M.P.Warshawski and J.W. MacLeod and held under option by Corpac Minerals Ltd. They are grouped as the Alexandra Group in the Vancouver Mining Division.

The located claims were staked on behalf of Robert J. Lacey, Rycroft, Alberta by G.A. Noel & Associates. They were transferred to Mr. Lacey by a bill-of-sale dated May 26, 1982. This bill-of-sale was not recorded at the mining recorders office in Vancouver until January 19, 1982.

The reverted Crown grants are described as follows:

Claim	Lot No.	Record No.	Area (acres)	Expiry Date
Premier	1665	341	39.63	Nov. 7, 1982
Premier Fr.	1667	340	11.29	"
Waterloo Fr.	226	340	5.55	"
Gold Dust Fr.	1663	339	42.78	"
Mary Rose	1664	338	50.79	"
Jennie B	278	337	42.53	"
Stella	281	336	25.60	"
Emperor	227	335	46.25	"
Highland Laddie	228	55	45.90	Nov. 6, 1982
Duke	229	54	45.40	"
Jubilee Fr.	230	53	16.33	"
Duchess	231	52	51.65	"
Julie	233	51	38.84	"
Empress	279	50	44.90	"
Comox	296	49	51.00	"
Enid	280	47	46.25	"
Alexandra	225	40	44.10	"

The located claims are described as follows:

Claim	No.of Units	Record No.	Expiry Date
Alex	15	897(5)	May 19, 1982
JB	18	898(5)	"
PAC	6	919(6)	June 17,1982
COR	20	920(6)	"

History

The Alexandria mine area has been known since the late 1890's. Numerous old underground workings attest to this early exploration.

Most of the underground development work on the Alexandria property was done between 1898 and 1910. In 1932 the Alexandria claim was optioned by the Premier Gold Mining Company. The shaft was pumped out, and extensive drifting and cross-cutting were done in 1934 on the 100- and 200-foot levels (below sea-level). The No.2 level (50 feet above sea-level) and the No.1 level (at sea-level) were both extended to the northwest. Following this work, the Alexandria mine was inactive until 1939 when it was rehabilitated by the Alex Mining Company. The only recorded ore shipped from the Alexandria mine was a total of 48.8 tons for testing in 1896 and 1898. It graded 1.23 oz/ton gold. However, 10,000 tons of gold ore were mined and shipped from the Doratha Morton mine, about 3.5 kilometres northwest of the Alexandria mine, in 1898 and 1899. Additional development work was done on the Doratha Morton periodically between 1924 and 1936.

In October 1976, J.W.MacLeod did a geochemical soil survey over part of the Julie, Stella, Jennie B and Empress claims. The results of this survey were not sufficiently encouraging to warrant follow-up at that time.

In July 1980 and May-June 1981, G.A. Noel and Associates conducted geological mapping, geochemical soil sampling and vein and dump sampling on various parts of the property. This completed the Stage I work as recommended by Noel (1980).

FIELDWORK

The objective of the 1981 fieldwork was to explore the Enid-Julie vein, located in 1980, to the northwest and to try and ascertain its relation to the Doratha-Morton vein. The second objective was to investigate the nature and form of the Alexandria vein and try and locate its extension northwest of the old workings on the Alexandria claim (L.225).

The fieldwork was conducted between May 24 and June 9, 1981 by a small field crew under the supervision of G.A.Noel, P.Eng. Four grids were laid out to explore possible extensions of the Alexandria vein, the Enid-Julie vein and the Doratha-Morton vein. Geology was mapped in each grid area. Prospecting and reconnaissance geological mapping were also conducted.

Work was conducted from two camps to reduce the walking time to the various areas of interest. The first camp was used to cover the northwest half of the property and the second camp to cover the southeastern claims. All camp moves, including mobilization and demobilization, was by helicopter from Campbell River.

Geochemical Soil Surveys

Four grids were laid out. They were numbered from southeast to northwest across the property, as grid 1 to grid 4. (See Figures 4, 5, 6, 7).

(a) Grid 1 - it originates on Alex claim and extends onto lots 229, 230 and 231. Six lines were run totalling 1165 metres. A total of 59 samples were collected. This grid covers an area possibly underlain by a northwestern extension of the Alexandria vein.

(b) Grid 2 - its is located entirely within Alex claim slightly south of L.281. Six lines were run totalling 1335 metres. A total of 91 samples were collected. This grid also covers an area possibly underlain by a northwestern extension of the Alexandria vein.

(c) Grid 3 - it is located on L.296, L.297 and a thin fractional area now included in Pac claim. Samples in this area were taken to fill in areas not sampled in 1980. Seven lines were run totalling 775 metres. A total of 51 samples were collected. This grid covers the area containing the Enid-Julie vein.

(d) Grid 4 - this is the largest grid and includes parts of L.253, L.254, L.297, L.299, L.300, L.319 and JB claim. While a larger part of this work was not on claims optioned by Corpac Minerals Ltd., it had to be done to trace the Doratha-Morton vein toward the company's property, and also give the geologist a better understanding as to the nature of this vein, the mineralization and its response to geochemical soil sampling.

Twenty-seven lines were run totalling 2520 metres. A total of 176 samples were collected.

The soil grids were laid out at various orientations (see Figs.4-7) using Silva compass and nylon rope chain for control. Line spacing was at 50 metres for grids 1, 2, and 4 but at 30m on grid 3. All samples were taken at 15m intervals along each line.

Samples was taken, using a mattock, from the B horizon at depths ranging from 5-50cm depending on the nature of the soil cover, i.e. thickness of moss, organic soil, etc. Most samples were collected at 25-30cm depths. All samples were placed in kraft soil bags upon which was written the co-ordinate of the sample location.

Upon completion of the project, all samples were delivered to Acme Analytical Laboratories Ltd., 852 East Hastings Street, Vancouver, B.C. They were analysed using the Inductivity Coupled Argon Plasma (ICP) method. Each sample is prepared as follows: the sample is dried at 60°C, then sieved at -80 mesh. A 0.5 gram portion of the sieved material is then digested with hot aqua regia for one hour and then diluted to 10ml. The diluted sampled is aspirated by ICP and the analytical results are printed by Telex in either percent or ppm.

Geological Mapping

Geological mapping, on a scale of 1:2500 was conducted within all grid areas. Several reconnaissance traverses were also made and plotted on a scale of 1:5000.

A considerable amount of detail was done in the vicinity of the Doratha-Morton vein where numerous old workings show good exposures of the veins. Several underground workings were mapped and are shown in detail on Figure 3. Mapping was conducted both to the northwest and southeast of the workings, the objective of which was to trace the vein(s) along strike onto claims optioned by Corpac Minerals Ltd.

Underground workings of the Julie adit (Enid adit?) was mapped as was a detailed examination of the Alexandria vein at the main level portal at tidewater. These workings are also shown in detail on Fig.3. Due to flooding of this level, no attempt was made to explore the Alexandria mine.

A number of rock samples were taken from various exposures of the veins. Their locations and assay results are shown on Figure 3. The assays are also tabulated under "Results".

RESULTS

From frequency distribution plots of the geochemical analyses the following levels of anomality were selected:

	Ag(ppm)	Cu(ppm)	Zn(ppm)	As(ppm)	Sb(ppm)
possibly anomalous	0.5-1.0	30- 70	100-150	7-14	3
probably anomalous	1.0-1.5	70-150	150-200	14-21	
definitely anomalous	> 1.5	> 150	> 200	> 21	

Since very few values for Sb were greater than 3 ppm, it was decided that any value greater than this could be considered as possibly anomalous or better.

Soil sampling and outcrop mapping on grid 4 was successful in tracing the Doratha-Morton vein 200m northwesterly from the main workings. Approximately 500m and 1000m further to the northwest, on L.319 and L.320, reconnaissance mapping located two aplitic quartz veins, each respectively 2.7m and 1.7m wide. Assays indicate them to be poorly mineralized. They are approximately along the northwesterly projected trend of the Doratha-Morton vein and may represent the continuation of it toward the Cor claim.

The vein was also traced by geochemistry and outcrop mapping for 400 metres to the southeast beyond L.299 and on to the JB claim. There is a weak, spotty, geochemical pattern for a further 200m to the southeast, indicating that the vein is probably present but very weakly mineralized.

Grid 3, which is a fill-in of the 1980 soil grid, covers the area immediately southeast of the above suggested poorly mineralized vein section. Within this grid is zone 150m long definitely anomalous in silver enclosed within a zone 300m long possibly anomalous in silver, indicating that a mineralized section of the vein is probably present. This anomalous area extends from the southeast end of L.296 to the Julie shaft which is located near the southeast corner of L.297.

Approximately 250m southeasterly of the Julie shaft is the Julie (Enid) adit, which follows the vein northwesterly for 90m.

From the above surveys it is apparent that the vein can be traced intermittently for approximately 200m northwest of the Doratha-Morton workings to the Julie (Enid) adit,

a strike length of 1700 metres. It is also apparent that the Julie vein is more than likely a part of the Doratha-Morton vein.

Outcrop mapping, greatly hindered by the lack of outcrop, found that the vein varies from 1.5 to 3.0 metres in width and from 50° to 80° in dip to the southwest. Mineralization consists of pyrite, chalcopyrite and sphalerite in streaks and bands in quartz. Assay data shows that values may vary from 0.005 to 4.0 oz/ton in gold and 0.5 to 15 oz/ton in silver.

The vein occurs in metasediments near their content with a body of granodiorite and conforms fairly closely with the attitude of the metasediments. The metasediments include quartz-feldspar-gneiss, chlorite schist and hornblende-biotite gneiss. The latter unit grades into and out of granodiorite.

Andesite, andesitic tuff and schistose andesite occur in spotty outcrops to the southwest of the vein and are probably interbanded with the metasediments. Locally these rocks are tightly folded and contorted.

Recorded production from the Doratha-Morton mine totalled 10,000 tons grading 0.44 oz/ton in gold and 1.0 oz/ton in silver.

The Alexandria vein as exposed at sea level at the portal of the Alexandria mine on L.225 consists of a quartz vein 2m wide trending N40°W and dipping 80° to the northeast. It is within a metasedimentary section, consisting of gneisses and schists which also contains two other quartz

veins; one 0.7m wide (No.2 vein), the other 1.0m (No.3 vein). (See Figures 3 & 5).

Since the mine is flooded it could not be examined. From the literature (see References) it is reported to consist of the following working:

Workings		Elevation (m)	Length (m) Drift	Cross-cut	Shaft
Alexandria	No.1 Adit	sea-level	162	113)	81
	100-Level	-30.5	168	49)	
	200-Level	-61	61	64)	
	No.2 Adit	12	256	119	
	No.3 Adit	91	18	21	
	No.4 Adit	130	12	52	
	No.5 Adit	76	100	76	

From 1896-1898, three small shipments of ore were made from the Alexandria mine to the Tacoma smelter for testwork. These shipments totalled 48.8 tons grading 1.23 oz/ton gold.

The Alexandria mine has indicated and inferred reserves of 19,299 tons grading 0.306 oz/ton gold as indicated from the development work of Premier Gold Mining Company in 1933 and 1934. The fairly well-defined oreshoot extends along the main level and the 100-level, but does not extend up to the No.2 Adit nor down to the 200-level.

Due to the steepness of the topography, it was very difficult to prospect the extension of this vein to the northwest from the mine workings. For this reason, no work was carried out between tidewater and grid 1, approximately 1100m to the northwest of the workings.

Grid 1, and also grid 2, were planned to test the possible

extension of the Alexandria vein to the northwest. The coverage by these grids was somewhat restricted by cliffs to the northeast and east. Geochemical results of samples from both grids show weak, spotty, possibly anomalous values in silver, copper and arsenic plus one larger weak copper anomaly on grid 1 (see Figure 4). The geochemical values obtained from these grids may reflect an extension of the Alexandria vein but the data is too limited to permit conclusions at this time. If the Alexandria vein is within the areas covered by grids 1 and 2 its projection to the northwest places it approximately 850m southwest of the Doratha-Morton/Julie vein, indicating that at least two major veins are present on the claims.

The following is a tabulation of assays obtained from samples of vein material collected by G.A. Noel, P.Eng.

		Assays		
Sample No.	(m) Width	Au oz/ton	Ag oz/ton	Description
020751	0.6	0.021	0.06	Doratha-Morton - chip across east end of cross-cut, 2300 level
52	grab	0.730	1.42	Doratha-Morton dump - grab of vein material
53	2.7	0.001	0.01	L.319 - chips across aplitic qtz. vein) NW extension of Doratha-Morton vein?
54	1.7	0.001	0.01	L.320 - " " ")
55	grab	0.001	0.02	Cor claim - 150m NW of NW corner PAC claim grab of qtz. dio. with qtz. veinlets
56	grab	0.001	0.01	JB claim - 300m NW of Camp A, qtz.rubble under tree roots
57	2.5	0.005	0.02	Doratha-Morton vein at 0+00B/L
58	2.0	0.047	0.16	Vein, L.299 - near 4N,4W on grid
59	1.8	0.026	0.06	Julie adit - at 67.8m from portal, chips across vein
60	1.8	0.015	0.02	Julie adit - chips across face

Sample No.	(m) Width	Assays Au oz/ton	Assays Ag oz/ton	Description
020761	1.0	0.001	0.01	Alexandria mine - at portal, chips across vein No.3.
62	0.7	0.001	0.01	Alexandria mine - at portal, chips across vein No.2.
63	2.0	0.022	0.04	Alexandria mine - chips across main vein inside portal
64	2.0	0.120	0.32	Alexandria mine - chips across main vein at portal

The following samples were taken by G.A. Noel in July, 1980.

Sample No.	(m) Width	Assays Au oz/ton	Assays Ag oz/ton	% Cu	% Zn	Description
001993	grab	3.960	16.10	1.72	3.36	Grabs, selected vein material, Julie adit dump.
001994	0.8	0.01	0.17	0.01	0.05	Julie adit - @ 10m, chips across vein.
001995	grab	0.096	0.21	-	-	Julie shaft - grabs from dump of qtz. material
001996	0.8	0.021	0.09	-	-	Julie shaft - vein on SE wall
001997*	1.0	0.036	0.11	-	-	Doratha-Morton - 2200 level, across qtz. vein
001998*	1.2	0.011	0.04	-	-	Doratha-Morton - 2200 levels - chips across qtz. vein at NW end of drift

*Location uncertain, may refer to 2300 level(?)

CONCLUSIONS

It is concluded that the 1981 field program was susccessful in determining that the Enid-Julie vein is the southeastern

extension of the Doratha-Morton vein. Because the latter vein yielded a small tonnage of ore grading 0.44 oz/ton in gold and 1.0 oz/ton in silver the Enid-Julie segment of the vein must be considered as a possible host for other ore shoot(s) containing precious metals.

Reconnaissance work to the northwest of the Doratha-Morton workings found indications of quartz veining which could be the extension of the vein in this direction. Further exploring is warranted in this direction to trace the vein onto the Cor claim. The results of the search for the northwest extension of the Alexandria vein was not conclusive. Weak geochemical responses in the gridded areas could reflect mineralized veins. However, at this stage results here must be considered inconclusive. It is apparent, however, that the Alexandria vein is not an extension of the Julie-Enid and Doratha-Morton vein system, unless there is large horizontal displacement along a fault.

It is concluded that at least two mineralized veins are present on the Alexandria property. The Alexandria vein, as indicated by previous work, has an ore reserve indicated to be about 19,000 tons grading 0.306 oz/ton gold. The Doratha-Morton and Enid-Julie vein yielded 10,000 tons of ore grading 0.44 oz/ton gold from the Doratha-Morton part of the vein and shows evidence of mineralization on the Enid-Julie section of it. Further work is recommended to search for ore shoots within the defined sections of each vein as well as search for extensions of each vein.

RECOMMENDATIONS

A program is recommended which includes detailed sampling of the Enid-Julie vein from the Julie (Enid) adit to the property boundary on L.296. Since exposure is limited, backhoe trenching is recommended. However, before this part of the program is started, a reconnaissance should be made on the ground to determine if this type of trenching is feasible. The rugged terrain could make trenching very difficult.

Further geochemical sampling and prospecting should also be conducted to explore for vein extensions beyond that work completed in 1981. Significant zones should then be tested by diamond drilling.

Cost Estimate

Stage I - Geological mapping, geochemical soil surveying, trenching - time: 2 months

Wages and Salaries	
Geologist: 2 months @ $300/day	$ 18,000
Field Assistant: 4 @ $120/day for 2 months	28,800
Mobilization & Demobilization,	
By barge from Campbell River, say	6,000
Backhoe	
John Deere crawler type @ $45/hr. or $13,000/mo.	26,000
Camp	
Tents, kitchen supplies, etc.	3,500
Food @ $15/man/day - 5 men for 2 months	4,500
Supply trips by air and/or water	2,000
Radio communications @ $800/mo	2,400

Vehicle		
4x4 truck @ $1,200/mo		$ 2,400
Samples & Assays		
Geochemical assays, say 700 samples @ $4.50/sample		3,150
Rock samples, say 100 samples @ $15/sample		1,500
Report Preparation		2,000
		$ 100,250
Contingencies @ 15%		15,037
	Total Stage I	$ 115,287

Stage II - Diamond Drilling

Diamond drilling is planned to test areas of interest located from work conducted in 1980-1981 and Stage I above. However, terrain may make it impractical or impossible to conduct backhoe trenching in the desired areas. For this reason, since outcrop is generally sparse, diamond drilling may be the only method of testing the areas. On this particular property, Stage II drilling is not necessarily dependent on Stage I recommended above.

Diamond drilling, say 1000 metres @ $115/metre, all inclusive		$ 115,000
Contingencies @ $15%		17,250
	Total Stage II	$ 132,250
	Total Program	$ 247,537

Note: If backhoe work is not practical due to terrain, these funds could be diverted into diamond drilling.

Respectfully submitted,

HAROLD M. JONES, P.Eng.

January 21, 1982

REFERENCES

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Noel, G.A. (1980): Summary Report on the Alexandria Mine, Phillips Arm, B.C. for Corpac Minerals Ltd.

Noel, G.A. (1980): Geological and Geochemical Report, Alexandra Group, Vancouver Mining Division; Assessment Report.

Noel, G.A. (1981): Private reports to Corpac Minerals Ltd. dated July 21, 1981; October 23, 1981 and November 20, 1981.

Stevenson, J.S. (1947): Lode Gold Deposits, Southwestern B.C., B.C. Dept. of Mines Bulletin 20, Pt.IV.

CERTIFICATE

I, Gerald A. Noel, do hereby certify that:

1. I am a practising geological engineer with G.A. Noel & Associates, Inc., 622 - 510 West Hastings Street, Vancouver, B.C.

2. I am a graduate of the University of British Columbia and the University of Toronto and have been granted the degree of Master of Applied Science.

3. I have been practising my profession as a geological engineer for over 25 years.

4. I am a member of the Association of Professional Engineers of British Columbia. Registration No.4283.

5. The fieldwork on which this report is based was done under my supervision.

6. Neither I nor any member of my firm has directly or indirectly received or expects to receive any interest direct or indirect in the property or securities of Corpac Minerals Ltd.

7. Corpac Minerals Ltd. is hereby given permission to reproduce this report, or any part of it, for the purpose of a financial prospectus; provided, however, that no portion may be used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

G.A. NOEL, P.Eng.

Vancouver, B.C.

CERTIFICATE

I, Harold M. Jones, of the City of Vancouver, British Columbia, do hereby certify that:

1. I am a consulting geological engineer with G.A. Noel & Associates, Inc., 622 - 510 West Hastings Street, Vancouver, B.C.

2. I am a graduate of the University of British Columbia in Geological Engineering, 1956.

3. I have been practising my profession as a geological engineer for 25 years.

4. I am a member of the Association of Professional Engineers of British Columbia, Registration No.4681.

5. I have not visited the Alexandria property but am familiar with the general geological setting having worked on and examined a number of properties along the coastal islands and inlets.

6. I have compiled the maps and report on the Alexandria property from notes and field sheets prepared by the late G.A. Noel, P.Eng.

7. I have no interest, nor do I expect to receive any interest, direct or indirect in the Alexandria property, nor in any securities of Corpac Minerals Ltd.

8. Corpac Minerals Ltd. is hereby given permission to reproduce this report, or any part of it, for financing purposes; provided, however, that no portion may be used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

DATED at VANCOUVER, B.C. this 21st day of January, 1982.

HAROLD M. JONES, P.Eng.

A P P E N D I X I

Soil Analyses and Rock Assays

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Telephone:253 - 3158

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622 - 510 W. Hastings St.,
Vancouver, B.C.
V6B 1L8

File No. 81-0485

Type of Samples Rocks

Disposition

ASSAY CERTIFICATE

No.	Sample	Ag oz/ton	Au oz/ton	Cu%					No.
1	020751	.06	.021	.01					1
2	020752	1.42	.730	.01					2
3	020753	.01	.001	.01					3
4	020754	.01	.001						4
5	020755	.02	.001						5
6	020756	.01	.001						6
7	020757	.02	.005						7
8	020758	.16	.047						8
9	020759	.06	.026	.01					9
10	020760	.02	.015	.01					10
11	020761	.01	.001						11
12	020762	.01	.001						12
13	020763	.04	.022						13
14	020764	.32	.170						14
15	Grab From Dump D/M1	13.10	4.250	.08					15
16									16
17									17
18									18
19									19
20									20

DATE SAMPLES RECEIVED June 10, 1981

DATE REPORTS MAILED June 15, 1981

ASSAYER

DEAN TOYE, B Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B. C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates Inc.,
622 - 510 W. Hastings St.,
Vancouver, B.C.
V6B 1L8

File No. 81-0486
Type of Samples Soil
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
0 BL	14	70	.5	10	1	1
1S	47	45	8.9	5	1	2
2	4	5	.1	1	1	3
3	23	52	.5	3	1	4
4S	2	11	.5	1	1	5
1N	20	57	.5	7	1	6
0 2N	388	214	11.6	14	1	7
						8
0+50E BL	14	15	1.2	6	3	9
1S	17	53	1.0	5	3	10
4S	1	7	.1	1	1	11
1N	11	39	.2	4	1	12
2	3	9	.1	6	1	13
3	31	65	.2	7	2	14
0+50E 4N	5	9	.1	2	1	15
						16
0+50W BL	60	38	4.0	2	1	17
1S	1	6	.2	1	1	18
4S	7	24	.1	4	1	19
1N	919	336	+54.0	6	1	20
0+50W 2N	14	20	.3	4	1	21
						22
1 E BL	29	35	.7	5	2	23
1S	20	50	.1	4	1	24
3S	1	2	.1	1	1	25
2N	11	16	.2	7	1	26
1 E 4N	7	12	.2	5	1	27
						28
1 W BL	13	10	.2	4	1	29
1S	9	14	.1	9	1	30
2	3	6	.1	5	1	31
3	5	5	.1	7	1	32
4S	2	9	.1	3	1	33
1N	8	16	.4	3	2	34
1 W 2N	3	20	.3	1	1	35
						36
1+50E BL	35	38	2.4	2	2	37
1S	20	29	.2	6	1	38
1+50E 2S	8	22	.1	3	1	39
						40

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DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED June 10, 1981

DATE REPORTS MAILED June 16, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates Inc.,

File No. 81-0486
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Cu	Zn	Ag	As	Sb		
1+50E	3S	6	8	.1	5	1		1
	4S	5	8	.1	6	1		2
	1N	41	54	1.9	13	1		3
1+50E	2N	9	10	.7	5	1		4
								5
1+50W	BL	4	12	.1	4	1		6
	1S	104	48	8.2	23	1		7
	2	4	4	.1	4	1		8
	3	21	9	.8	15	1		9
	4S	7	21	.1	8	1		10
	1N	11	30	.2	6	1		11
1+50W	2N	6	36	.2	4	1		12
								13
2 E	BL	35	73	.4	2	1		14
	1S	8	7	.1	7	1		15
	2	2	6	.1	3	1		16
	3S	5	9	.1	5	1		17
	1N	27	38	.7	4	3		18
	2	25	56	.4	6	1		19
	3	21	40	.4	4	1		20
2 E	4N	54	99	1.2	8	2		21
								22
2 W	BL	21	55	9.8	21	1		23
	1S	9	17	.1	8	1		24
	2	12	49	.2	6	1		25
	3	21	57	1.4	27	6	org	26
	4S	2	9	.1	4	1		27
	1N	15	40	.8	13	1	org	28
2 W	2N	4	6	.1	5	1		29
								30
2+50E	BL	42	42	1.8	5	1		31
	1S	69	59	2.2	5	1		32
	1N	65	65	1.6	9	1		33
	2	25	45	.8	7	1		34
	3	25	40	1.1	5	1		35
2+50E	4N	4	10	1.0	4	1		36
								37
								38
								39
								40

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File No. 81-0486
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.		Cu	Zn	Ag	As	Sb	
2+50W	BL	7	10	.1	7	1	1
	1S	1	2	.1	1	1	2
	2	1	1	.1	1	1	3
	3	1	7	.5	1	1	4
	4S	1	6	.5	2	1	5
	1N	7	54	.3	142	2	6
2+50W	2N	1	2	.2	1	1	7
							8
3 E	BL	39	63	.1	4	1	9
	1S	39	67	.1	6	1	10
	1N	42	71	.9	5	1	11
	2	25	65	.3	6	1	12
	3	24	37	.1	4	1	13
3 E	4N	28	57	.1	3	1	14
							15
3 W	BL	1	4	.1	2	1	16
	1S	8	10	.1	3	1	17
	2	13	8	.1	10	1	18
	4S	13	10	.4	9	1	19
	1N	5	16	.1	4	1	20
3 W	2N	4	7	.1	1	1	21
							22
3+50E	BL	21	26	.1	2	2	23
	1S	15	34	.2	3	1	24
	2	19	19	.1	4	1	25
	3	4	5	.1	2	1	26
	4S	4	6	.1	1	1	27
	1N	27	54	.1	6	1	28
	2	22	27	.3	9	1	29
	3	18	21	.1	6	1	30
3+50E	4N	8	12	.1	4	1	31
							32
3+50W	BL	6	8	.1	5	1	33
	1S	10	32	.1	4	1	34
	2	47	29	.1	3	1	35
	3	24	9	.1	4	1	36
	4S	21	7	.1	8	1	37
	1N	23	13	.1	8	1	38
3+50W	2N	5	5	.1	1	1	39
							40

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To: G.A. Noel & Associates Inc.,

File No. 81-0486

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb		
4 E BL	23	14	.1	5	1		1
1S	67	187	.4	4	1		2
3	6	7	.1	3	1		3
4S	11	18	.1	4	1		4
1N	28	38	.2	5	1		5
2	30	43	.5	4	1		6
3	18	41	.1	6	1		7
4 E 4N	1	8	.1	1	1		8
							9
4 W BL	3	8	.1	1	1		10
1S	1	7	.1	3	1		11
2	1	7	.1	2	1		12
3	1	7	.1	5	1		13
4S	1	4	.1	1	1		14
1N	2	14	.3	1	1	org	15
4 W 2N	1	6	.1	1	1		16
							17
4+50E BL	15	22	.2	3	1		18
1S	15	33	.1	4	1		19
2S	7	16	.1	2	1		20
3S	2	19	.1	2	1		21
1N	38	96	.2	4	1		22
2	13	25	.1	5	1		23
3	1	6	.1	2	1		24
4+50E 4N	16	38	.5	5	1		25
							26
4+50W BL	1	7	.1	1	1		27
1S	3	10	.1	2	1		28
2	1	4	.1	1	1		29
4S	1	8	.1	2	1		30
1N	1	3	.1	1	1		31
4+50W 2N	1	5	.1	2	1		32
							33
5 E BL	4	9	.1	1	1		34
1S	22	36	.4	7	2		35
3	3	57	.2	9	1		36
5 E 4S	1	7	.1	3	1		37
							38
							39
							40

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phone:253 - 3158

To: G.A. Noel & Associates,

File No. 81-0486

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
5E 1 N	16	21	.1	7	1	1
2	11	24	.1	1	1	2
3	2	12	.1	2	1	3
5E 4 N	12	23	.1	4	1	4
						5
5W BL	4	24	.1	4	1	6
1 S	1	6	.1	2	1	7
2	2	10	.1	3	1	8
3	1	5	.1	2	1	9
4 S	1	7	.1	3	1	10
1 N	1	9	.1	3	1	11
5W 2 N	1	14	.1	5	1	12
						13
5±50E BL	27	40	.3	9	1	14
1 S	23	25	.5	7	2	15
2	5	8	.1	4	1	16
3	8	10	.1	3	1	17
4 S	1	6	.1	3	1	18
1 N	1	6	.1	1	1	19
2	6	7	.1	4	1	20
3	15	15	.2	2	1	21
5±50E 4 N	10	14	.1	4	1	22
						23
5±50W BL	1	6	.1	2	1	24
1 S	2	5	.1	2	1	25
2	36	6	.1	2	1	26
3	1	4	.1	4	1	27
4 S	4	12	.1	3	1	28
1 N	12	36	.1	3	1	29
5±50W 2 N	3	15	.1	5	1	30
						31
6 E BL	26	25	.9	6	2	32
1 S	21	38	.4	6	1	33
2	15	7	.1	4	1	34
3 org.	7	5	.1	1	1	35
4 S	1	4	.1	2	1	36
1 N	9	10	.1	5	1	37
6 E 2 N	6	12	.1	3	1	38
						39
						40

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852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates,

File No. 81-0486

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
6 E 3 N	11	13	.1	3	1	1
6 E 4 N	13	14	.1	1	1	2
						3
6 W BL	3	13	.1	3	1	4
1 S	1	3	.1	2	1	5
3	1	4	.1	2	1	6
4 S	3	4	.1	3	1	7
1 N	1	4	.1	2	1	8
6 W 2 N	1	4	.1	3	1	9
						10
A0±50 W BL	34	11	.8	4	1	11
1 S	6	7	.1	2	1	12
3	22	20	.2	2	3	13
4 S	35	34	.1	2	1	14
1 N	20	20	.1	1	5	15
2	17	18	.1	1	2	16
3	4	6	.1	2	1	17
4	1	3	.1	4	1	18
5	12	23	.1	3	3	19
6	7	13	.1	3	3	20
7	22	10	.1	1	1	21
8	11	4	.1	1	1	22
9	6	7	.1	4	1	23
A0±50 W 10 N	23	14	.1	4	1	24
						25
A1 W BL	13	19	.1	1	2	26
1 S	9	8	.1	2	1	27
2	11	11	.2	2	3	28
3	2	4	.1	1	1	29
4 S	7	13	.1	6	1	30
1 N	14	19	.1	1	1	31
2	3	6	.1	2	1	32
3	8	20	.1	4	1	33
4	14	23	.1	3	1	34
5	2	12	.1	1	1	35
6	3	6	.1	1	1	36
7	16	19	.1	7	1	37
A1 W 8 N	8	7	.1	4	1	38
						39
						40

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DIGESTION: .....

DETERMINATION: .....

DATE SAMPLES RECEIVED June 10, 1981

DATE REPORTS MAILED June 16, 1981

ASSAYER _____

DEAN TOYE, B Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Assoaictes,

File No. 81-0486
Type of Samples
Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
A 1 W 9 N	3	6	.1	1	1	1
A 1 W 10 N	20	28	.3	9	1	2
						3
A 1+50 W BL	6	26	.1	3	1	4
1 S	11	14	.3	4	1	5
2	10	12	.1	5	1	6
3	38	19	.4	7	3	7
4	7	7	.1	2	1	8
5	5	17	.1	7	1	9
6 S	11	45	.1	6	1	10
1 N	1	4	.1	4	1	11
2	8	12	.1	3	3	12
3	8	17	.1	4	1	13
4	2	5	.1	3	1	14
5	5	13	.1	5	1	15
6	12	32	.1	5	1	16
7	9	16	.1	7	1	17
8	15	32	.2	10	1	18
9	2	11	.1	2	1	19
A 1+50 W 10 N	2	8	.1	1	1	20
						21
A 2 W BL	15	30	.1	6	1	22
1 S	50	30	.1	3	1	23
2	7	9	.1	9	1	24
3	4	7	.1	4	1	25
4	21	31	.1	4	1	26
5	5	17	.1	3	1	27
A 2 W 6 S	37	80	.4	11	1	28
						29
A 2 W 1 N	14	23	.1	5	1	30
2	3	5	.1	4	1	31
3	9	12	.1	5	1	32
4	12	18	.1	6	1	33
A 2 W 5 N	11	12	.1	4	1	34
						35
A 2+50 W BL	19	34	.1	8	1	36
1 S	17	17	.3	6	1	37
2	6	16	.1	6	1	38
A 2+50 W 3 S	7	16	.1	6	1	39
						40

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DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED June 10, 1981

DATE REPORTS MAILED June 17, 1981

ASSAYER

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B. C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates Ltd.,

File No. 810486

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
A 2+50W 4 S	5	4	.1	2	1	1
5	12	20	.1	1	1	2
6 S	5	11	.1	1	1	3
2 N	12	20	.2	4	1	4
3	6	9	.1	6	1	5
4	2	3	.1	2	1	6
5	2	6	.1	2	1	7
6	1	3	.1	2	1	8
7	3	9	.1	7	1	9
8	1	7	.1	2	1	10
9	3	7	.1	2	1	11
A 2+50W 10 N	8	13	.1	12	1	12
						13
A 3 W BL	6	21	.1	2	1	14
1 S	14	20	.1	6	1	15
2	17	23	.3	7	1	16
3	18	26	.5	5	1	17
4	6	7	.1	3	1	18
5	14	13	.2	3	1	19
6 S	24	22	.2	8	1	20
1 N	3	8	.1	1	1	21
2	3	4	.1	2	1	22
3	5	7	.1	1	1	23
4	1	4	.1	1	1	24
5	6	7	.1	5	1	25
6	4	9	.1	5	1	26
7	1	4	.1	1	1	27
8	9	11	.1	8	1	28
9	3	10	.1	5	1	29
A 3 W 10 N	2	5	.1	1	1	30
						31
BO BL	32	23	.1	5	2	32
2 N	39	25	.2	1	2	33
3	1	6	.1	2	1	34
4	5	8	.1	6	1	35
6	31	26	.1	2	1	36
8	10	28	.2	1	1	37
BO 9 N	16	20	.1	2	1	38
						39
						40

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Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates Ltd.,

81-0486

File No. _____

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
B0 10 N	14	18	.1	3	2	1
11	12	18	.3	5	1	2
12	3	5	.1	4	1	3
B0 14 N	17	12	.1	3	1	4
						5
B0+70E BL	131	29	.1	4	1	6
2 S	30	17	.1	3	1	7
3 S	10	11	.1	6	1	8
1 N	32	15	.1	4	1	9
2	35	24	.5	7	1	10
4	3	4	.1	3	1	11
7	6	6	.1	5	1	12
8	1	4	.1	1	1	13
B0+70E 9 N	17	18	.1	2	1	14
						15
B1+40E 1 S	40	18	.1	3	1	16
2	71	14	.1	5	1	17
3	5	4	.1	1	1	18
4	48	33	.1	4	1	19
5 S	45	19	.2	3	1	20
1 N	16	6	.1	1	1	21
2	4	5	.1	1	1	22
B1+40E 3 N	22	16	.1	5	1	23
						24
B2+10E 1 S	3	7	.1	5	1	25
2	11	13	.1	4	1	26
3	28	17	.1	5	1	27
4	32	21	.1	2	1	28
5	18	16	.1	2	1	29
6	22	19	.2	11	1	30
7	10	7	.1	3	1	31
8 S	18	11	.1	5	1	32
4 N	2	4	.1	1	1	33
B2+10E 5 N	4	11	.1	2	1	34
						35
B2+80E BL	2	4	.1	2	1	36
1 S	1	3	.1	1	1	37
2	27	20	.5	8	1	38
B2+80E 5 S	32	17	.1	4	1	39
						40

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DETERMINATION: _____

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CERTIFIED B.C. ASSAYER

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Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates Ltd.,

File No. 81-0486

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
B2+80E 6 S	5	4	.1	1	1	1
7	1	3	.1	1	1	2
8	70	36	.3	5	1	3
9	41	26	.1	2	1	4
10 S	37	22	.1	4	2	5
B2+80E 1 N	4	5	.1	3	1	6
						7
B3+50E BL	2	7	.1	2	1	8
1 S	2	7	.1	3	1	9
3	6	14	.1	1	1	10
5	14	7	.1	2	1	11
7	15	19	.1	4	1	12
8	23	18	.1	4	2	13
9	6	30	.1	5	1	14
10	1	19	.1	1	1	15
11	7	18	.1	5	1	16
12 S	13	59	.3	5	1	17
B3+50E 1 N	4	5	.1	2	1	18
						19
C9600E 10155 N	7	10	.1	5	1	20
10185	39	65	.8	7	2	21
10200	14	14	.3	7	1	22
10215	11	18	1.4	9	1	23
10230	7	12	.2	1	1	24
10245	2	7	.1	1	1	25
10275	15	24	.1	6	1	26
10290	8	47	.1	6	1	27
C9600E 10305 N	13	14	.1	4	2	28
						29
C9630E 10155 N	29	15	.3	11	1	30
10170	9	11	.1	5	1	31
10185	35	49	1.7	12	1	32
10200	7	10	.3	4	1	33
10245	1	4	.1	1	1	34
10260	31	41	.1	7	1	35
10275	22	31	.1	8	1	36
10290	7	12	.5	6	1	37
C9630E 10305 N	22	23	.6	3	1	38
						39
						40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:

DETERMINATION:

DATE SAMPLES RECEIVED June 10, 1981

DATE REPORTS MAILED June 17, 1981

ASSAYER

DEAN TOYE, B.SC.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
phone:253 - 3158

To: G.A. Noel & Associates Ltd.,

81-0486

File No. _____

Type of Samples _____

Disposition _____

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Cu	Zn	Ag	As	Sb	
C9660E 10155 N	13	13	.1	4	1	1
10170	11	11	.5	4	1	2
10185	53	40	.1	12	1	3
10200	13	18	.1	5	1	4
10215	5	4	.1	1	1	5
10230	3	3	.1	1	1	6
10245	9	5	.1	11	1	7
10260	24	59	.2	8	1	8
10275	12	18	.1	3	1	9
10290	20	34	.2	6	1	10
C9660E 10305 N	69	73	.3	5	1	11
						12
C9690E 10215 N	1	2	.1	1	1	13
10245	8	7	.1	5	1	14
10260	16	31	.1	11	1	15
10275	3	5	.1	1	1	16
10290	15	30	.3	1	1	17
C9690E 10305 N	3	11	.1	8	1	18
						19
C9690E 12155 N	21	27	.7	7	1	20
12170	29	31	1.6	10	1	21
12185	37	42	.7	11	1	22
C9690E 12200 N	12	28	.1	5	1	23
						24
D9850E 10030 N	2	3	.1	1	1	25
10045	2	4	.1	1	1	26
D9850E 10060 N	1	2	.1	1	1	27
						28
D9880E 10000 N	1	6	.1	1	1	29
10015	19	28	.1	5	1	30
10030	5	5	.1	1	1	31
10045	21	39	.1	4	3	32
10060	29	42	.1	7	2	33
10075	13	16	.1	3	3	34
10090	67	45	.7	4	3	35
D9880E 10105 N	45	28	.5	4	5	36
						37
D9909E 10000 N	2	8	.1	2	1	38
						39
						40

All reports are the confidencial property of clients
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED June 10, 1981

DATE REPORTS MAILED June 17, 1981

ASSAYER JKO

DEAN TOYE, B.Sc.
CHIEF CHEMIST
CERTIFIED B.C. ASSAYER

A P P E N D I X I I

Statement of Costs

STATEMENT OF COSTS

Wages and Salaries		
G.A. Noel, P.Eng. - consulting geologist May 22 - June 12: 21 days @ $300/day	$6,300.00	
M.MacKillop - field assistant May 22-31, June 1-10: 19½ days @ $150/day	2,925.00	
A. Ferries - field assistant May 23-31, June 1-10: 18½ days @ $150/day	2,220.00	
A. Noel - geological assistant May 28 - June 19: 18 days @ $90/day	1,620.00	$ 13,065.00
Transportation		
Helicopter: from Campbell River - 3 trips	$1,521.13	
Truck rental - including fuel & ferry	260.42	
Air fare - Vancouver/Campbell River	169.70	
Air charter - Campbell River/Shoal Bay @ $200/trip	400.00	
Taxis, etc.	27.00	2,378.25
Camp		
Equipment	$ 257.53	
Food	615.27	872.80
Assays		1,724.21
Report and Map Preparation		
Report preparation: G.A. Noel - 2 days @ $300/day	$ 600.00	
H.M. Jones - 6 days @ $300/day	1,800.00	
Drafting	400.00	
Reproductions	150.00	
Secretarial, copies, etc.	250.00	3,200.00
		$ 21,240.26

DISTRIBUTION OF COSTS

Total costs for exploration on the Alexandra and Alex Groups, including report and maps $21,240.26

less 50% of helicopter costs $ 760.57

$20,479.57

Costs were distributed as follows:

	TOTAL COSTS	AMOUNT APPLIED AS ASSESSMENT WORK
Alexandra Group	$8,397.09	$6,800.00
Alex Group	$6,693.00	$5,900.00
*Doratha-Morton Claims	$5,119.69	———

* As mentioned in the report, work was also conducted on the Doratha-Morton Claims. This work was necessary to enable tracing the vein structure onto Corpac Claims, also to give a better understanding of the geology. The portion of the costs distributed to the Doratha-Morton Claims was deducted from the total and not used as assessment work.

Harold M. Jones

February 22nd, 1982

HAROLD M. JONES, P. Eng.

COR CLAIM

PAC CLAIM

PHILLIPS ARM

JB CLAIM

ALEX CLAIM

L 320

L 291

L 254

L 319

L 300

L 253

L 297

L 299

L 296

L 279

L 280

L 278

L 233

L 281

L 231

L 1663

L 1664

L 230

L1666

L 229

L 227

L 1665

L 228

L1667

L 226

L 225

DORATHA - MORTON VEIN

ENID - JULIE VEIN

JULIE ADIT

2300 LEVEL
Scale 1:1000

2600 LEVEL
Scale 1:500

Scale 1:500

Scale 1:500

ALEXANDRIA MINE
Scale 1:500

8000 E

9000 E

10,000 E

11,000 E

11000 N

10,000 N

9000 N

8000 N

LEGEND

- ALASKITE
- ANDESITE
- ANDESITE WITH GNEISSIC BANDS
- ANDESITE WITH TUFF BEDS
- TUFFS
- CHLORITE SCHIST
- HORNBLENDE - BIOTITE GNEISS
- DIORITE, DIORITE PORPHYRY, MONZONITE PORPHYRY
- HORNBLENDE - BIOTITE GRANODIORITE
- QUARTZ VEIN, QUARTZ - APLITE VEIN

SYMBOL

- OUTCROP
- CONTACT
- BEDDING
- GNEISSOCITY, SCHISTOSITY
- FAULT
- UNDERGROUND WORKING
- SHAFT OR STOPE
- ROAD
- CREEK
- CLAIM LINE
- SAMPLE N°
- Au oz/ton, Ag oz/ton / Width in m

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,934

CORPAC MINERALS LTD.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.

GEOLOGY

0 100 200 300 metres

SCALE 1:5000	JAN. 1982	FIG. 3
G.A.N. / H.M.J.		

9000E

10,000E

11,000N

BASE LINE N60°W

6W 5W 4W 3W 2W 1W 0O 1E 2E 3E 4E 5E 6E

2300 LEVEL

2500 L

CLIFF

GRID 4

10,000 N

GRID 3

3W 2W 1W BASE LINE

GRID 2

0+70E 1+40E 2+10E 2+80E 3+50E BASE LINE CAMP

GRID 1

9,000 N

LEGEND

SILVER

0.5 - 1.0 ppm	POSSIBLY	ANOMALOUS
1.0 - 1.5 "	PROBABLY	"
>1.5 "	DEFINITELY	"

.1, 3 Ag, Sb

NOTE : Sb also plotted, but only those with values of 3 or > 3 ppm.

N

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA

CORPAC MINERALS LTD.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.

SOIL GEOCHEMISTRY SILVER

0 100 200 300metres

SCALE 1:5000

GAN / HMJ.

JAN. 1982

FIG. 4

9000E

10,000E

11,000N

BASE LINE N 65°00W

2300 LEVEL

GRID 4

10,000N

GRID 3

9000N

GRID 2

GRID 1

CAMP

BASE LINE

0+70E

1+40E

2+10E

2+80E

3+50E

LEGEND

	30 - 70 ppm	POSSIBLY ANOMALOUS
	70 - 150 "	PROBABLY "
	>150 "	DEFINITELY "

N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10,399
NO.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
H. M. JONES

CORPAC MINERALS LTD.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.

SOIL GEOCHEMISTRY
COPPER

0 100 200 300metres

SCALE 1:5000	JAN. 1982	FIG. 5
G.A.N. / H.M.J.		

3000E

3000'01

11,000N

BASE LINE N&00W

2300 LEVEL

2500 L.

GRID 4

10,000 N

GRID 3

9000N

GRID 2

GRID 1

CAMP

BASE LINE

LEGEND

- 100 - 150 ppm POSSIBLY ANOMALOUS
- 150 - 200 " PROBABLY "
- >200 " DEFINITELY "

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CORPAC MINERALS LTD.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.
SOIL GEOCHEMISTRY
ZINC

0 100 200 300metres

SCALE 1:5000	JAN. 1982	FIG. 6
G.A.N / H.M.J.		

11,000 N

10,000 N

9000N

9000E

10,000 E

BASE LINE N60°W

2300 LEVEL

2500 L.

Cliff

GRID 4

N.A

N.A

N.A

GRID 3

GRID 2

GRID 1

CAMP

BASE LINE

0+70E

1+40E

2+10E

2+80E

3+50E

LEGEND

	7 – 14 ppm	POSSIBLY ANOMALOUS
	14 – 21 "	PROBABLY "
	>21 "	DEFINITELY "

N.A. – Not assayed for As

CORPAC MINERALS LTD.

G.A. NOEL & ASSOCIATES INC. VANCOUVER, B.C.

ALEXANDRIA PROPERTY
PHILLIPS ARM, B.C.

SOIL GEOCHEMISTRY ARSENIC

0 100 200 300metres

SCALE 1:5000

G.A.N. / H.M.J.

JAN. 1982

FIG. 7