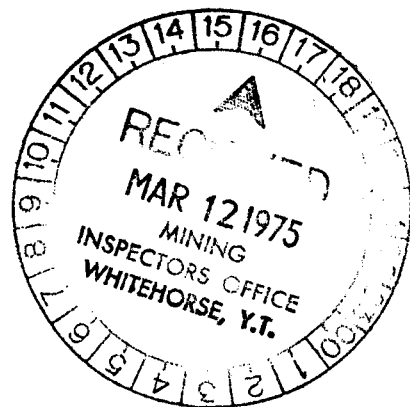




REPORT ON
GEOLOGICAL AND GEOCHEMICAL
FIELD WORK 1974
EG CLAIM GROUP

Mayo Mining District
Yukon Territory

N.T.S. 106-C-14



Latitude : 64°51'N
Longitude : 133°08'W

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ _____

B. Crisp

Resident Geologist or
Resident Mining Engineer

By:

Peter M. Dean
Robert C. Carne

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.

DYNASTY EXPLORATIONS LIMITED

December, 1974

[Signature]
Commissioner of Yukon Territory

TABLE OF CONTENTS

	<u>Page</u>
List of Claims	
Key Map & Location Map (Figures 1 and 2)	
Introduction	1
Conclusions and Recommendations	1
Location and Access	1
Geology	2
Regional Geology	2
Hadrynian Geologic Formations of the Bonnet Plume Range	2
Property Geology	2
Table of Formations of EG Property	3
Geochemistry	5
Soil Sampling	5
Rock Geochemistry	6
Appendix I - Description of Hand Specimens from the Rock Chip Sample Line	
Appendix II - List of Personnel	
Appendix III - Summary of Costs	
Appendix IV - Affidavit Supporting Summary of Costs	
Appendix V - Vouchers Supporting Summary of Costs	

LIST OF FIGURES

- Figure 1 - Location Map
Figure 2 - Claim Map
Figure 3 - Geology Map - scale 1"= 1320'
Figure 4 - Geochemistry Map - scale 1"= 400'
Figure 5 - Copper Probability Plot)
Figure 6 - Lead Probability Plot) Appendix I
Figure 7 - Zinc Probability Plot)
Figure 8 - Location and Metal Values of Rock - scale 1"=40'
Chip Sample line

LIST OF TABLES

- Table 1 - Hadrynian Geologic Formations of the
Bonnet Plume Range
Table 2 - Table of Formations of EG Property
Table 3 - Tally-Histogram for Copper
Table 4 - Tally-Histogram for Lead
Table 5 - Tally-Histogram for Zinc
Table 6 - Range of Metal Values of the Rock Chip Sample Line
Table 7 - Analysis Certificate

LIST OF CLAIMS

<u>Claim</u>	<u>Grant Numbers</u>	<u>Recording Date</u>
EG 30-33	Y94651-Y94654	July 15, 1974
EG 34-37	Y94655-Y94658	July 15, 1974
EG 40-43	Y94659-A94662	July 15, 1974
EG 44-47	Y94663-Y94666	July 15, 1974

DYNASTY EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

REPORT ON GEOLOGICAL AND GEOCHEMICAL FIELD WORK 1974 EG CLAIM GROUP

INTRODUCTION

The EG claim group was staked in June of 1974 to cover lead and zinc silt geochemical anomalies discovered late in the 1973 field season, following preliminary prospecting. A two-man fly camp was located on the property in July, 1974. Work consisted of geological mapping and prospecting, contour soil sampling and a 515 ft. rock chip sample across the main sulphide zone for analysis by rock geochemistry.

CONCLUSIONS AND RECOMMENDATIONS

The main sulphide zone does not appear to be of sufficient size or grade to merit drilling. Soil geochemistry indicates that some areas to the west of the main sulphide zone merit further prospecting. Hand trenching should be carried out on the main sulphide zone to establish the continuity of mineralization.

LOCATION AND ACCESS (See Figure 1)

The EG Group is centred at longitude $133^{\circ}08'W$ and latitude $64^{\circ}51'N$, approximately fourteen miles N-NE of Pinquicula Lake, in the Bonnet Plume Range of the Wernecke Mountains of east-central Yukon. Access to the property is by helicopter, with float-equipped fixed wing support from Pinquicula Lake.

GEOLOGY

Regional Geology (From G.S.C. Open File Map 205, June 1974)

The Bonnet Plume Range of the Wernecke Mountains of the east-central Yukon consists of a succession of folded and faulted sedimentary strata of Hadrynian age. Lithologies are predominantly dolomite and limestone, with minor interbedded shales, siltstones and conglomerates (see Table I). The stratigraphic sequence is truncated by thrust faults, predominantly trending NW-SE with subsidiary thrust faults orientated E-W and NE-SW.

TABLE 1
Hadrynian Geologic Formations of the Bonnet Plume Range
(after G.S.C. Open File Map 205)

<u>Unit</u>	<u>Lithologic Description</u>
Hd (1)	Grey weathering medium to thick bedded fine grained dolomite; basal dark brown conglomerate, Hcgl.
(2)	Light grey buff weathering, porous fine grained dolomite.
Hsq Hsc	Hsq, brown shale, siltstone and conglomerate, minor orange weathering platy dolomite. Hsc, interbedded platy orange weathering dolomite, brown and black shale and siltstone.
Hc (1)	Orange weathering banded dolomite and minor limestone.
(2)	Grey weathering dolomite and limestone.

Property Geology

Geological mapping of the EG property was carried out in July of 1974, at the scale of 1" = $\frac{1}{4}$ mile (see Figure 3).

Lithologies are summarized in Table 2

TABLE 2
Table of Formations of EG Property

<u>G.S.C. Designation</u>	<u>Unit</u>	<u>Description</u>
Hsc	10	Quaternary alluvium and colluvium
	9	Interbedded black, dark grey weathering, fine bedded limy shales and partially dolomitized dark grey to black, rusty-brown weathering, medium grained, thick bedded shaly limestones. - limestone units: average thickness -4' - shale units: average thickness -8' -Total stratigraphic thickness: >1250'
	8	Light grey brown weathering, fine grained, thick bedded silty limestones, laminar appearance on weathered surfaces. - intercolated contact with Unit 7 over 75 -Stratigraphic thickness: ~350'
	7	Thinly bedded, fine grained, black, rusty brown weathering calcareous shales. -Stratigraphic thickness: 175'
	6	Massive, light grey, light grey weathering fine crystalline limestone, well fractured with at least four sets of conjugate fractures, two sets of which re lined with coarse crystalline calcite. Partially dolomitized along shear zones. -Stratigraphic thickness: 75'
	5	Massive flaggy, fine to medium grained, dark grey to black, dark grey weathering limestone breccia. Dolomite and pyrite breccia filling and replacement veining, interbedded black, rusty weathering metalliferous shales. Gradational contact with Unit 4. -Stratigraphic thickness: ~1000'
	4	Very thinly bedded dark grey, rusty brown weathering calcareous shales, containing partially dolomitized and pyritized lenses and pods of limestone, lithologically identical to rocks of Unit 5. -Stratigraphic thickness: ~900'

Table of Formations of EG Property (Cont'd.)

<u>G.S.C. Designation</u>	<u>Unit</u>	<u>Description</u>
Hc (2)	3	Massive, fine to medium crystalline, light grey dolomite, partially re-crystallized to coarsely crystalline white dolomite. Rusty brown calcareous weathering crust. Occasional interbeds of Unit 2 "Zebra-stone". -Stratigraphic thickness: unknown.
	2	Massive to thinly bedded "Zebra-stone" dolomite. Brown weathering. -Stratigraphic thickness: varies 400' - 1000'
	1	Massive "mottled" grey to brown weathering medium crystalline limestone. Partially dolomitized. -Stratigraphic thickness: unknown.

Units mapped by the G.S.C. as Hsc and Hc(2) correspond to Units 1, 2, 3 and 4, 5, 6, 7, 8, 9 respectively. All contacts between units are conformable where observed. A "shale-out" or facies change is postulated to occur between Units 2 and 3, and Units 4, 5, 6, 7, 8 and 9. No outcropping was observed across the site of the facies change, however, the lack of brecciation in the adjacent outcroppings of Unit 3 and the continuous contact between Units 1 and 2 along the linear extrapolation of the facies change predicates against the existence of a major fault and lends support to a "shale-out" type of contact. Examination of hand specimens taken from the main sulphide zone reveals, however, that extensive brecciation has occurred in the limy shales and shaly dolomites of Units 4 and 5, adjacent to the proposed facies change. This may indicate that thrust faulting might have occurred parallel to bedding in Unit 2, cutting abruptly

up-section through Units 4 to 9. Both models may be equally viable but the lack of outcropping across the area provides no conclusive proof for either.

The sulphide zones occur in Unit 5 limestones and dolomitized limestones as well as in dolomitized limestone pods in Unit 4 shales. The sulphides are predominantly pyrite with minor associated sphalerite. The sulphide mineralization appears to be primarily bedded "primary" pyrite and limestone which has been brecciated and partially replaced by dolomite and secondary pyrite and minor sphalerite.

GEOCHEMISTRY

Soil Sampling (See Figure 4)

A total of 269 soil samples were taken on the EG property in July of 1974. All samples were analyzed by Acme Analytical Laboratories Ltd., 6455 Laurel Street, Burnaby 2, B.C. Analysis for copper, lead and zinc was by atomic absorption on perchloric acid digestion of the minus 80 mesh fraction of the samples.

Tabulation of geochemical data from the EG Group for Cu, Pb and Zn is shown in Tables 3 to 5. Lognormal probability plots based on these tables are shown in Figures 5 to 7.

Copper (See Figure 5)

The copper content of the EG Group soils represent one background population of values ranging from 8 ppm to 82 ppm.

Lead (See Figure 6)

The lead content of the EG Group soils may be divided into two distinct sub-populations:

- (1) a background population ranging in lead values from 38 ppm to 120 ppm representing 84% of the total population; and
- (2) an anomalous population ranging in lead values from 121 ppm to 1900 ppm representing 16% of the total population.

Zinc (See Figure 7)

The zinc content of the EG Group soils may be divided into two sub-populations:

- (1) a background population ranging in zinc values from 27 ppm to 600 ppm representing 92% of the total population; and
- (2) an anomalous population ranging in zinc values from 601 ppm to 3500 ppm representing 8% of the total population.

Rock Geochemistry

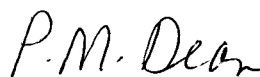
A 515 ft. rock chip sample line was taken across the main sulphide zone approximately perpendicular to the strike and dip of bedding. The sample line was not continuous due to the thickness of oxidated rubble covering bedrock. The sample was analyzed geochemically by Acme Laboratories Ltd. Location, continuity and metal values for the sample line are shown in Figure 8.

TABLE 6
Range of Metal Values of the Rock Chip Sample Line

<u>Metal</u>	<u>Range (ppm)</u>
Cu	5-24
Ni	20-36
Pb	64-540
Zn	96-22000
Ag	0.3-2.8
Co	28-50
Cd	0-29

The highest analysis was for the sample representing footage 251 to 300 of the sample line. This combined sample averaged 1.82% Zinc over 50 ft. A copy of the Analyses Certificate is shown in Figure 7. Detailed description of hand specimens from the sample line are given in Appendix I.

Respectfully submitted,

A handwritten signature in cursive script that reads "P. M. Dean".

P. M. Dean,
R. Carne

December, 1974

QUALIFICATIONS

I, PETER M. DEAN, of 1405 - 1011 Beach Avenue, Vancouver, B.C., hereby certify that:

1. I am a graduate of the University of British Columbia, (B.Sc., Geology, 1967).
2. I have been engaged in various aspects of mining exploration in Canada since 1966.
3. I have been employed by Dynasty Explorations Limited for a total of nine years, since 1966.
4. I personally supervised work on this property during the 1974 field season.

P. M. Dean
Peter M. Dean

Feb. 17/75
Date

Description of Hand Specimens
From Rock Chip Sample Line

<u>Feet</u>	<u>Description</u>
0-15'	No sample
16-30'	Partially recrystallized light grey dolomite, pyrite <1%.
31-45'	Partially recrystallized dolomite breccia, minor disseminated pyrite, pyrite in veinlets.
46-60'	No sample
61-75'	Partially replaced and recrystallized light grey dolomite and limestone, finely disseminated pyrite <5%.
76-82'	Partially recrystallized and replaced light grey dolomite and limestone, pyrite ~20%.
91-100'	Recrystallized dolomite breccia, angular breccia fragments partially replaced by pyrite, pyrite breccia matrix, pyrite ~60%.
108-120'	Light grey dolomite and "primary" bedded pyrite breccia, pyrite and dark grey dolomite breccia filling, pyrite ~80%.
121-135'	Dark grey limestone and bedded pyrite breccia matrix of light grey dolomite and disseminated pyrite. Pyrite 10-15%.
136-150'	Partially recrystallized and replaced grey dolomite, pervasive disseminated pyrite up to 30%.
151-160'	Partially replaced light grey dolomite, pyrite ~50%.
161-170'	Light grey dolomite breccia, matrix of grey dolomite and pyrite, pyrite - 30%.
171-180'	Partially recrystallized and replaced dolomite, finely disseminated pyrite <20%.
181-190'	Partially replaced light grey dolomite and "bedded" pyrite, pyrite ~60%.

<u>Feet</u>	<u>Description</u>
191-200'	Partially replaced and recrystallized light grey dolomite, pyrite ~30%.
201-210'	Light grey dolomite and "bedded" pyrite breccia partially replaced by pyrite. Matrix of fine grained dark grey dolomite and pyrite, pyrite ~60%.
211-220'	Fractured dolomite, partially recrystallized and replaced by pyrite along fracture lines, also finely disseminated pyrite, pyrite ~15%.
221-230'	Partially replaced and recrystallized light grey dolomite, pyrite ~20%, sphalerite <2% lining cavities in pyrite blebs.
231-240'	Light grey dolomite partially replaced by coarsely crystalline white dolomite and pyrite, pyrite ~30%.
241-250'	No sample
251-260'	Partially recrystallized and replaced light grey dolomite, pyrite massive, up to 80%.
261-270'	"Bedded" pyrite breccia partially replaced by secondary pyrite and minor amounts of reniform sphalerite, pyrite 90%, sphalerite <10%.
271-280'	Partially recrystallized light grey dolomite replaced by pyrite along bedding and fracture planes, minor sphalerite rimming pyrite blebs, pyrite <10%, sphalerite <1%.
281-290'	Light grey dolomite, calcite tension gash filling, disseminated pyrite and sphalerite, pyrite <10%, sphalerite <2%.
291-300'	Partially replaced dolomite breccia, matrix light grey dolomite and pyrite, pyrite disseminated in breccia fragments, pyrite ~40%.
301-304'	No sample
323-330'	Partially replaced and recrystallized light grey dolomite and "bedded" massive pyrite, pyrite ~60%.

<u>Feet</u>	<u>Description</u>
331-340'	Partially recrystallized dolomite breccia, matrix massive pyrite, ~60% pyrite.
341-347'	Partially recrystallized dolomite breccia, partially replaced by pyrite, matrix massive pyrite, pyrite ~40%.
348-360'	Partially recrystallized dolomite, vugs filled with talc and minor pyrite, pyrite <1%.
361-370'	Light grey dolomite replaced by pyrite along bedding planes, pyrite ~2%.
371-380'	Folded dolomite, secondary cross-cutting calcite veinlets cut by pyrite veinlets, vugs filled with coarse crystalline pyrite, pyrite ~5%.
381-390'	Partially recrystallized dolomite partially replaced by pyrite, pyrite ~10%.
391-400'	Partially recrystallized and replaced light grey dolomite and "bedded" pyrite breccia, matrix of light grey dolomite and secondary pyrite, pyrite ~50%.
401-420'	No sample
421-430'	Light grey dolomite breccia, pyrite matrix and finely disseminated in breccia fragments, pyrite ~20%.
431-450'	Partially recrystallized dark grey dolomite breccia, light grey dolomite and blebby pyrite matrix, pyrite ~5%.
501-515'	Light grey dolomite partially replaced by pyrite, pyrite ~40%.

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis
6455 Laurel St., Burnaby 2, B.C.

Tel: 299-5242

TO
Dynasty Explorations Ltd.,
330 - 355 Burrard St.,
Vancouver, B.C.

File No. 3375
Type of Samples Rocks
Disposition 1 year

ANALYSES CERTIFICATE

Attention : Mr. P. Dean

No.	Sample	Cu	Ni	Pb	Zn	Ag	Co	Au	Cd		No.
01	0 - 15	14	26	78	245	.6	33	ND	0		01
02	16 - 30	13	36	74	98	.8	36	ND	0		02
03	31 - 45	8	21	68	134	.7	30	ND	0		03
04	46 - 60	14	33	76	98	.5	30	ND	0		04
05	61 - 75	9	23	96	210	.6	34	ND	0		05
06	76 - 82	7	31	64	96	.5	34	ND	0		06
07											07
08	91 - 100	10	20	205	1250	1.5	28	ND	1		08
09											09
10	108 - 120	15	27	160	240	.8	28	ND	0		10
11	121 - 135	11	22	106	710	.7	32	ND	1		11
12	136 - 150	7	28	88	1140	.8	40	ND	1		12
13	151 - 160	12	26	146	3800	1.0	32	ND	2		13
14	161 - 170	12	23	146	11000	1.5	32	ND	4		14
15	171 - 180	12	32	116	4500	.8	30	ND	4		15
16	181 - 190	8	21	90	810	.3	30	ND	1		16
17	191 - 200	19	35	152	4500	.5	34	ND	4		17
18	201 - 210	14	21	142	1550	.4	30	ND	3		18
19	211 - 220	6	29	112	650	.3	34	ND	1		19
20	221 - 230	5	25	190	14000	.6	30	ND	13		20
21	231 - 240	9	28	510	1280	1.0	44	ND	2		21
22	241 - 250	9	25	290	910	1.1	46	ND	1		22
23	251 - 260	15	30	230	22000	1.5	50	ND	27		23
24	261 - 270	13	25	270	21000	1.2	46	ND	29		24
25	271 - 280	10	25	210	18000	.9	30	ND	18		25
26	281 - 290	9	23	220	9200	.9	34	ND	7		26
27	291 - 300	24	33	320	21000	2.4	50	ND	19		27
28	301 - 304	16	27	124	6600	1.2	32	ND	7		28
29											29
30	323 - 330	16	36	270	2500	.8	44	ND	4		30
31											31
32	348 - 360	13	24	84	2100	.5	30	ND	2		32
33	361 - 370	15	32	106	2600	.6	32	ND	2		33
34	371 - 380	14	24	106	8800	.7	26	ND	6		34
35	381 - 390	11	30	66	9100	.7	32	ND	8		35
36	390 - 400	9	32	194	4900	1.0	34	ND	5		36
37	401 - 410	8	29	220	3800	1.1	48	ND	4		37
38	411 - 420	8	22	156	4800	1.2	30	ND	5		38
39	421 - 430	16	30	210	21000	2.8	40	ND	19		39
40	501 - 515	16	25	370	4500	2.2	44	ND	6		40

All reports are the confidential property of clients.

All results are in parts per million.

Au, Cd & Ag - Background corrected

DATE SAMPLES RECEIVED July 25, 1974

DATE REPORTS MAILED July 29, 1974

ANALYST Dean's Lab

99.99 99.9 99.8 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

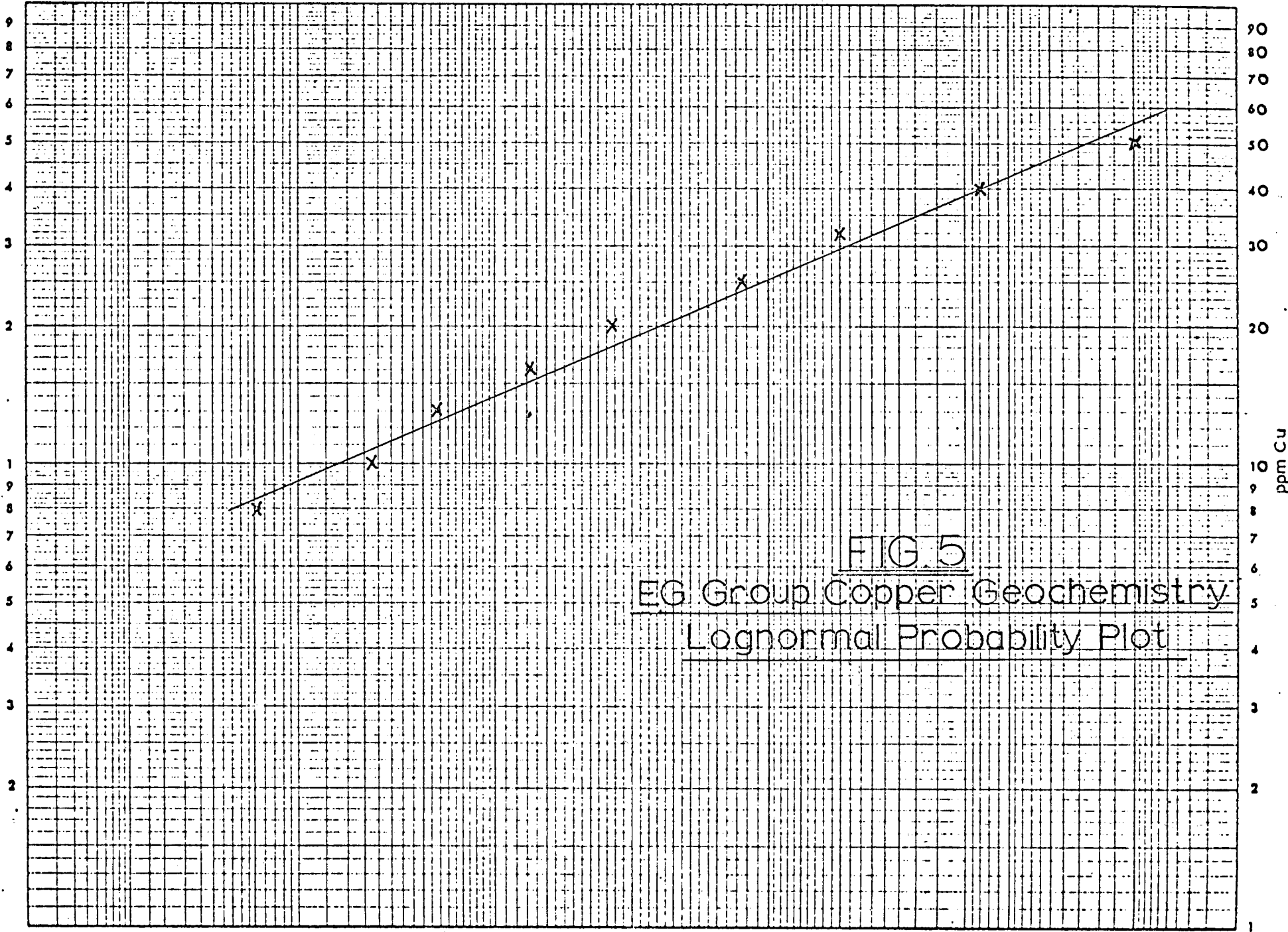


FIG 5
EG Group Copper Geochemistry
Lognormal Probability Plot

0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99

Table 3 - EG Soils & Cu

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
1,000.	3.0				
794	2.9				
631	2.8				
501	2.7				
398	2.6				
316	2.5				
251	2.4				
200	2.3				
158	2.2				
126	2.1				
100	2.0				
79	1.9		1	0.4	100.3
63	1.8				
50	1.7		4	1.5	99.9
40	1.6		21	8.2	98.4
32	1.5		41	15.2	90.2
25	1.4		79	29.4	75.0
20	1.3		50	18.0	45.6
16	1.2		41	15.2	27.0
13	1.1		16	5.9	11.8
10	1.0		13	4.8	5.9
8	0.9		3	1.1	1.1
6	0.8				
5	0.7				
4	0.6				
3	0.5				
2.5	0.4				
2	0.3				
1.6	0.2				
1.3	0.1				
1.0	0.0				
TOTAL			269	100.3	100.3

99.99 99.9 99.8 99.5 99 78 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01

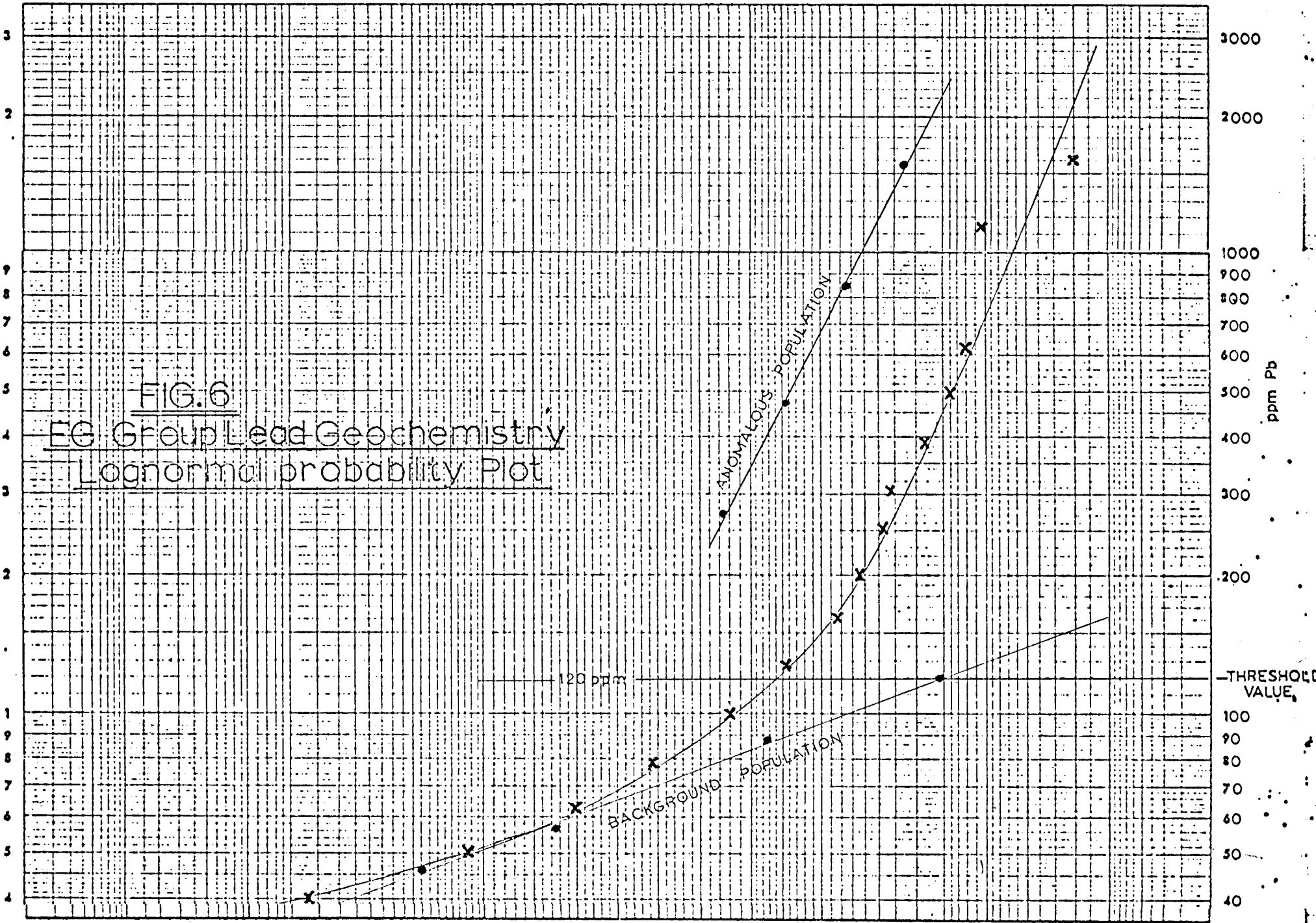


Table 4 - EG Soils : Pb

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
3,981	3.6				
3,162	3.5				
2,512	3.4				
1,996	3.3				
1,585	3.2		2	0.7	99.7
1,258	3.1		1	0.4	99.0
1,000	3.0				
794	2.9				
631	2.8		1	0.4	98.6
501	2.7		2	0.7	98.2
398	2.6		5	1.9	97.5
316	2.5		2	0.7	95.6
251	2.4		4	1.5	95.1
200	2.3		6	2.2	93.6
158	2.2		14	5.2	91.4
126	2.1		28	10.4	86.2
100	2.0		45	16.7	75.8
79	1.9		50	18.6	59.1
63	1.8		61	22.7	40.5
50	1.7		41	15.2	17.8
40	1.6		7	2.6	2.6
32	1.5				
25	1.4				
20	1.3				
16	1.2				
13	1.1				
10	1.0				
8	0.9				
6	0.8				
5	0.7				
4	0.6				
3	0.5				
TOTAL			269	99.7	99.7

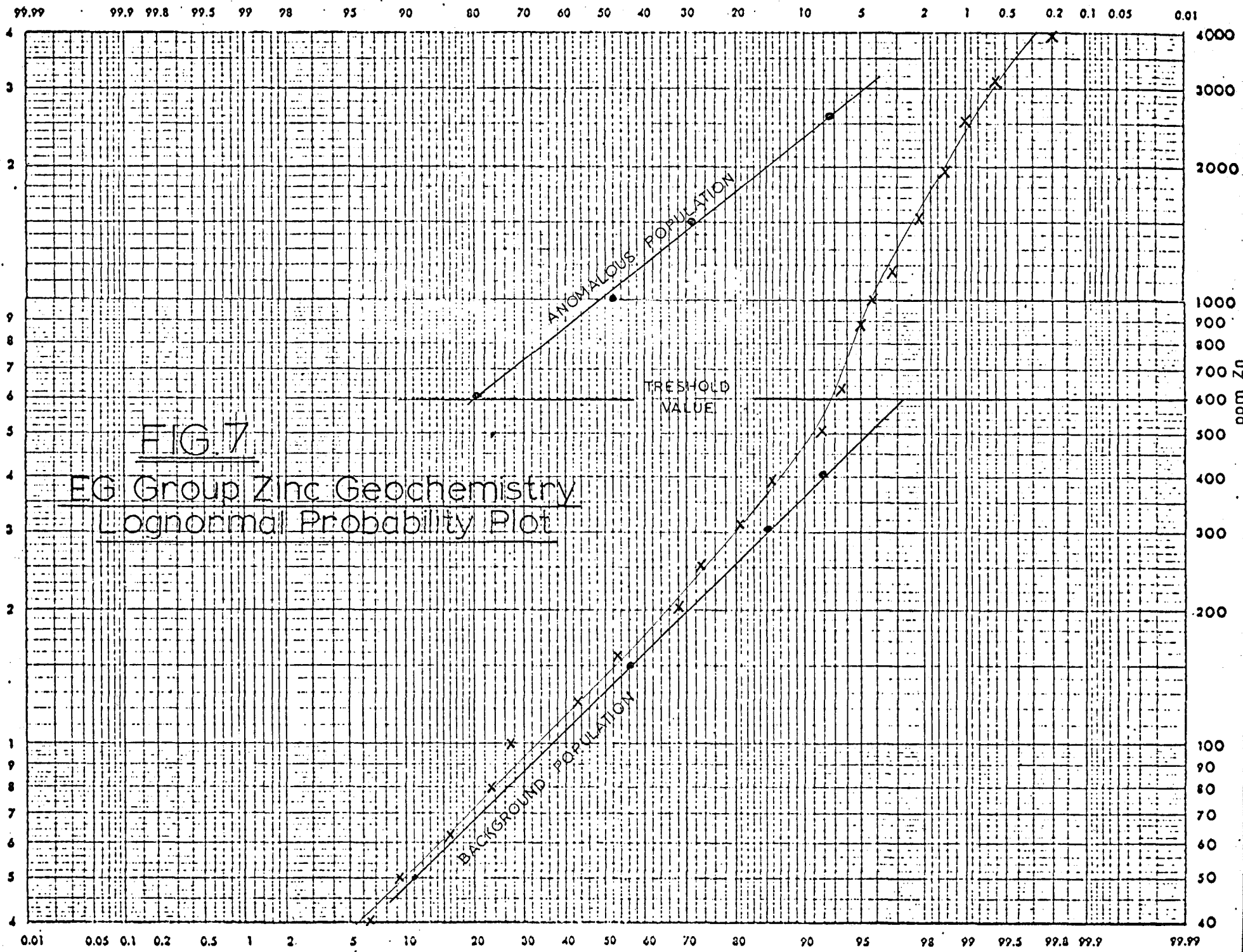


FIG. 7

EG Group Zinc Geochemistry
Lognormal Probability Plot

Table 5 - EG Soils: Zn

Arithmetic Interval	Logarithmic Interval	Tally - Histogram	Frequency	Percent	Accumulative Percent
5,012	3.7				
3,981	3.6		1	0.4	99.8
3,162	3.5		1	0.4	99.4
2,512	3.4		1	0.4	99.0
1,996	3.3		2	0.7	98.6
1,585	3.2		3	1.1	97.9
1,258	3.1		3	1.1	96.8
1,000	3.0		2	0.7	95.7
794	2.9		4	1.5	95.0
631	2.8		5	1.9	93.5
501	2.7		16	5.9	91.6
398	2.6		15	5.6	85.7
316	2.5		20	7.4	80.1
251	2.4		16	5.9	72.7
200	2.3		38	14.1	66.8
158	2.2		31	11.5	52.7
126	2.1		37	13.7	41.2
100	2.0		14	5.2	27.5
79	1.9		17	6.3	22.3
63	1.8		18	6.7	16.0
50	1.7		7	2.6	9.3
40	1.6		8	3.0	6.7
32	1.5		6	2.2	3.7
25	1.4		4	1.5	1.5
20	1.3				
16	1.2				
13	1.1				
10	1.0				
8	0.9				
6	0.8				
5	0.7				
4	0.6				
3	0.5				
		TOTAL	269	99.8	99.8

LIST OF PERSONNEL

P. M. Dean	Geologist	1405-1011 Beach Ave., Vancouver, B.C.
C. I. Godwin	Geologist	321-9288 Cameron St., Burnaby, B.C.
R. C. Carne	Geologist	1352 - W. 7th Ave., Vancouver, B.C.
P. Maser	Geological Asst.	#4-78 Rue St. Louis, Quebec, P.Q.

SUMMARY OF COSTS
EG CLAIM GROUP

Schedule "A"

	<u>Schedule No.</u>	<u>Total</u>
Salaries & Wages	"B"	\$1,538.11
Assays & Geochem Analysis	"C"	659.13
Field Equip. & Supplies	"D"	119.63
Camp Maintenance	"E"	214.91
Fuel	"F"	274.98
Rotary Wing	"G"	1,493.50
Fixed Wing	"H"	377.40
Misc. Transportation	"I"	279.87
District Expense	"J"	<u>290.59</u>
		\$5,248.12
Administrative Charge 10%		<u>524.81</u>
	TOTAL COST	<u>\$5,772.93</u>

Note: Copies of invoices or schedules of allocated costs in excess of \$200.00 have been included. Copies of other invoices will be provided upon request.

DYNASTY EXPLORATIONS LIMITED

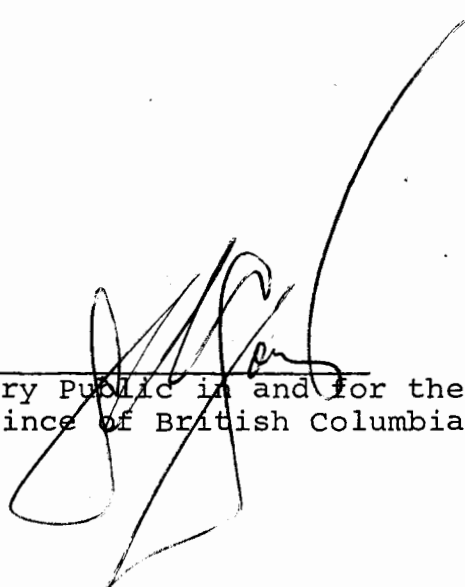
330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

AFFIDAVIT SUPPORTING SUMMARY OF COSTS

I, PETER M. DEAN, Geologist, Dynasty Explorations Limited, of Vancouver, British Columbia, do hereby state that, to the best of knowledge and belief, the statement of costs presented in this report (Report on Geological and Geochemical Field Work 1974 - EG Claim Group) is both correct and true.

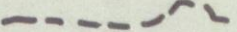
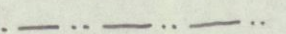


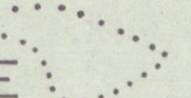
P. M. Dean
Peter M. Dean

Feb 17, 1975
Date


Notary Public in and for the
Province of British Columbia.

KEY MAP

LEGEND

- ROADS 
- BORDERS 
- SETTLEMENTS  DAWSON
- REEF PROJECT CLAIM GROUPS  Kiwi
- BOUNDARY OF GEOCHEM. COVERAGE 

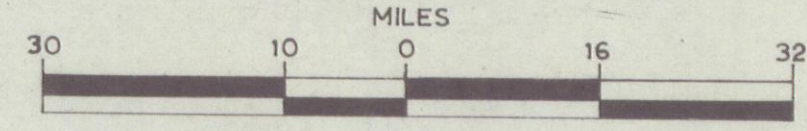
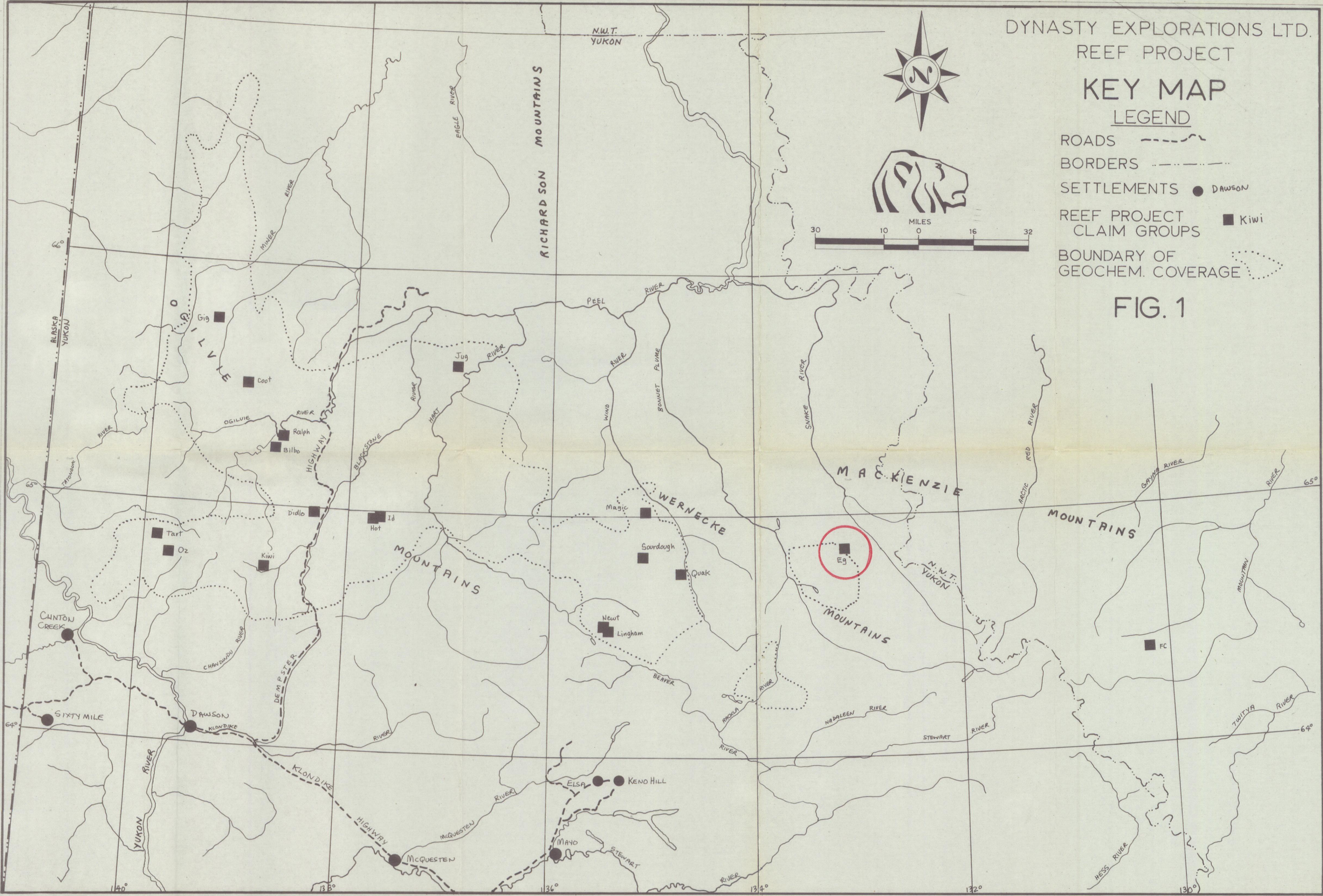
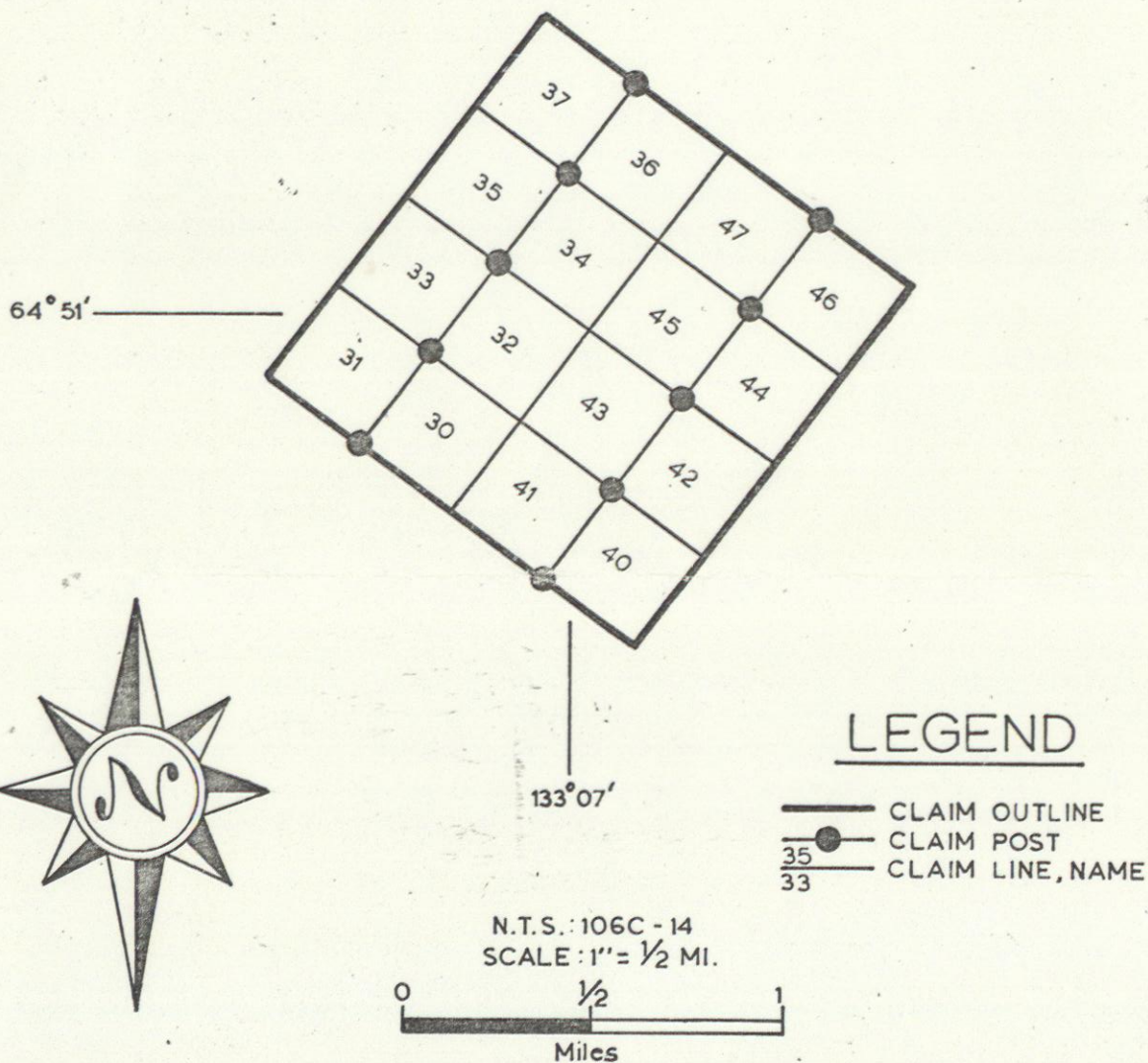


FIG. 1



CLAIM MAP FIG. 2



DYNASTY EXPLORATIONS LTD.
REEF PROJECT
EG GROUP

DYNASTY EXPLORATIONS LTD
REEF PROJECT
EG GROUP
GEOLOGY

SCALE: 1" = 1320'

DATE: NOV. '74.

N.T.S: 106 C-14.

III - OUTCROPPING OF
SULPHIDE ZONE
: TRACE OF LATERAL
FACIES CHANGE
~ TRACE OF THRUST FAULT
- - - APPROXIMATE GEOLOGIC
CONTACT

LITHOLOGIC DESCRIPTION

- 10** QUATERNARY ALLUVIUM & COLLUVIUM
- 9** INTERBEDDED BLACK, DARK GREY WEATHERING FINE BEDDED LIMY SHALES AND PARTIALLY DOLOMITIZED DARK GREY TO BLACK, RUSTY-BROWN WEATHERING, MEDIUM GRAINED, THICK BEDDED SHALEY LIMESTONES.
- LIMESTONE UNITS: AVG. THICKNESS - 4'
- SHALE UNITS: AVG. THICKNESS - 8'
- TOTAL STRATIGRAPHIC THICKNESS: ~ 1250'
- 8** LIGHT GREY BROWN WEATHERING, FINE GRAINED, THICK BEDDED SILTY LIMESTONES, LAMINAR APPEARANCE ON WEATHERED SURFACES.
- INTERCALATED CONTACT WITH UNIT 7 OVER 75'.
- STRATIGRAPHIC THICKNESS: ~ 350'
- 7** THINLY BEDDED, FINE GRAINED, BLACK, RUSTY BROWN WEATHERING CALCAREOUS SHALES.
- STRATIGRAPHIC THICKNESS: 175'
- 6** MASSIVE, LIGHT GREY, LIGHT GREY WEATHERING FINE CRYSTALLINE LIMESTONE, WELL FRACTURED WITH AT LEAST FOUR SETS OF CONJUGATE FRACTURES - TWO SETS OF WHICH ARE LINED WITH COARSE CRYSTALLINE CALCITE. PARTIALLY DOLOMITIZED ALONG SHEAR ZONES.
- STRATIGRAPHIC THICKNESS: 75'
- 5** MASSIVE FLAGGY FINE TO MEDIUM GRAINED, DARK GREY TO BLACK, DARK GREY WEATHERING LIMESTONE BRECCIA, DOLOMITE AND PYRITE BRECCIA FILLING AND REPLACEMENT VEINING INTERBEDDED BLACK RUSTY WEATHERING METALLIFEROUS SHALES.
- STRATIGRAPHIC THICKNESS: ~ 1000'
- 4** VERY THINLY BEDDED DARK GREY, RUSTY BROWN WEATHERING CALCAREOUS SHALES, CONTAINING PARTIALLY DOLOMITIZED AND PYRITIZED LENSES AND PODS OF LIMESTONE LITHOLOGICALLY IDENTICAL TO ROCKS OF UNIT 5.
- STRATIGRAPHIC THICKNESS: ~ 900'
- 3** MASSIVE FINE TO MEDIUM CRYSTALLINE, LIGHT GREY DOLOMITE, PARTIALLY RE-CRYSTALLIZED TO COARSELY CRYSTALLINE WHITE DOLOMITE. RUSTY BROWN CALCAREOUS WEATHERING CRUST. OCCASIONAL INTERBEDS OF UNIT 2 "ZEBRA-STONE".
- STRATIGRAPHIC THICKNESS: UNKNOWN.
- 2** MASSIVE TO THINLY BEDDED "ZEBRA-STONE" DOLOMITE. BROWN WEATHERING.
- STRATIGRAPHIC THICKNESS: VARIES - 400' - 1000'
- 1** MASSIVE, "MOTTLED" GREY TO BROWN WEATHERING MEDIUM CRYSTALLINE LIMESTONE. PARTIALLY DOLOMITIZED.
- STRATIGRAPHIC THICKNESS: UNKNOWN.

FIG. 3



SAMPLES: RE4C-1 to 18
RE4M-1 to 250.

RESULTS: Cu, Pb, Zn (ppm)

Pd		Zn	
⊙ 120-399	⊙ 500-999		
⊙ 400-799	⊙ 1000-1499		
⊙ ≥ 800	⊙ ≥ 1500		

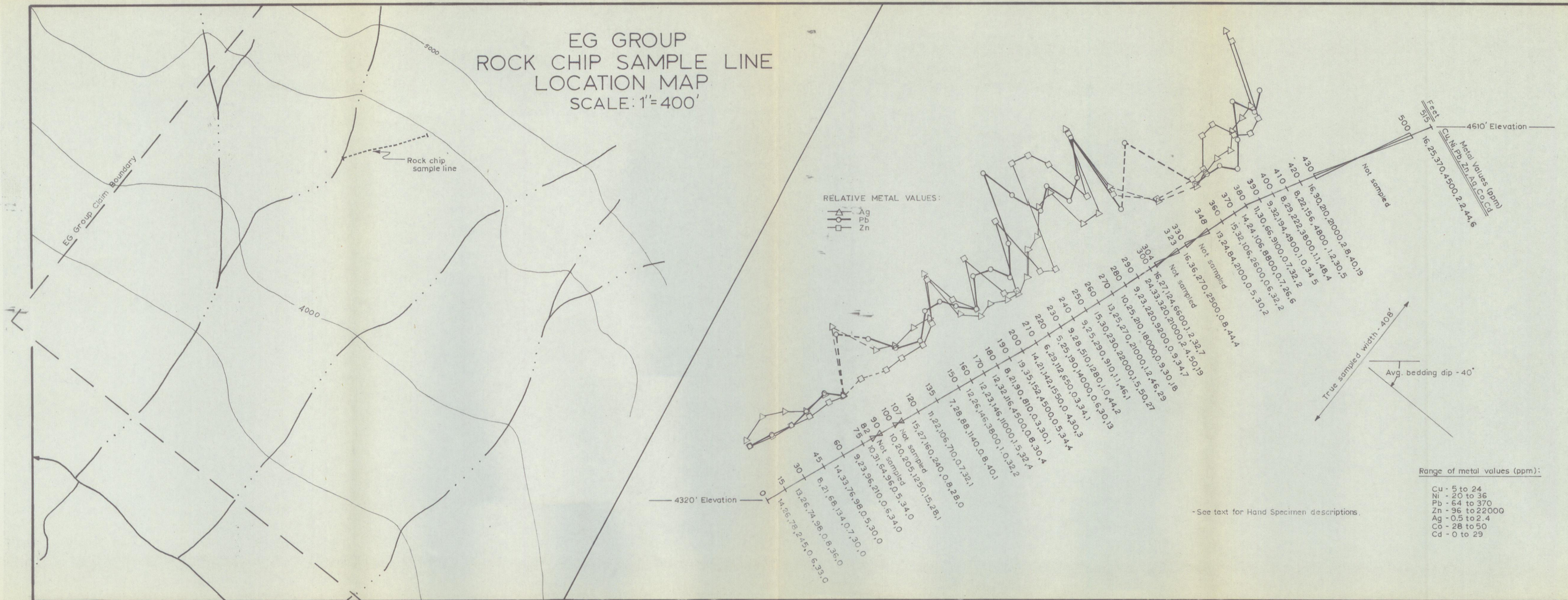


FIG. 4

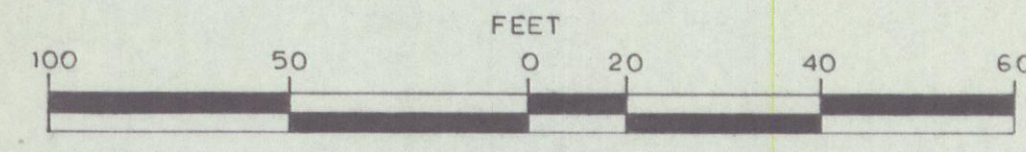
SCALE: 1" = 400'
N.T.S.: 106 C-14
DATE: NOV. 1974
C.I. = 500'

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DETAILED GEOCHEMISTRY

EG GROUP
ROCK CHIP SAMPLE LINE
SCALE: 1"=400'



N.T.S:106 C-14
DATE: NOV. 1974
SCALE: 1"=40'



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REEF PROJECT

EG GROUP
ROCK CHIP SAMPLE LINE

FIG. 8