REPORT ON THE

GEOLOGY AND GEOCHEMISTY

OF THE

A G 1 - 6 MINERAL CLAIMS

BOSWELL RIVER AREA, WHITEHORSE MINING DISTRICT

YUKON TERRITORY

NTS 105 F/4 - 61° 01'N Latitude
133° 40'W Longitude

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

$192.16

Resident Geologist or
~~Resident Mining Engineer~~

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

Commissioner of Yukon Territory

BY

B. TAYLOR, P. Eng.

JUNE 24 - 30, 1974

EL PASO MINING AND MILLING COMPANY
500 - 885 DUNSMUIR ~~STREET~~
VANCOUVER, B.C.
V6C 1N5

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INTRODUCTION

LOCATION

The ground now known as the AG 1 - 6 mineral claim (claim numbers Y75 836 - 41 inclusive) lies on the eastern portion of the Whitehorse Mining District near the headwaters of the Boswell River. (See Figure 1) The centre of the group lies at 61° 01' N Latitude, 133° 40' W Longitude. Altitude varies from 3400 to 4600 feet above Mean Sea Level. It is shown on NTS 105F - 4 mineral claim map.

Access is by helicopter from Whitehorse, a distance of about 55 miles. A trail was made about 1965 from the Canol road to a nearby property. It followed the valleys of Sidney and Red Mountain Creeks. The present condition is not known.

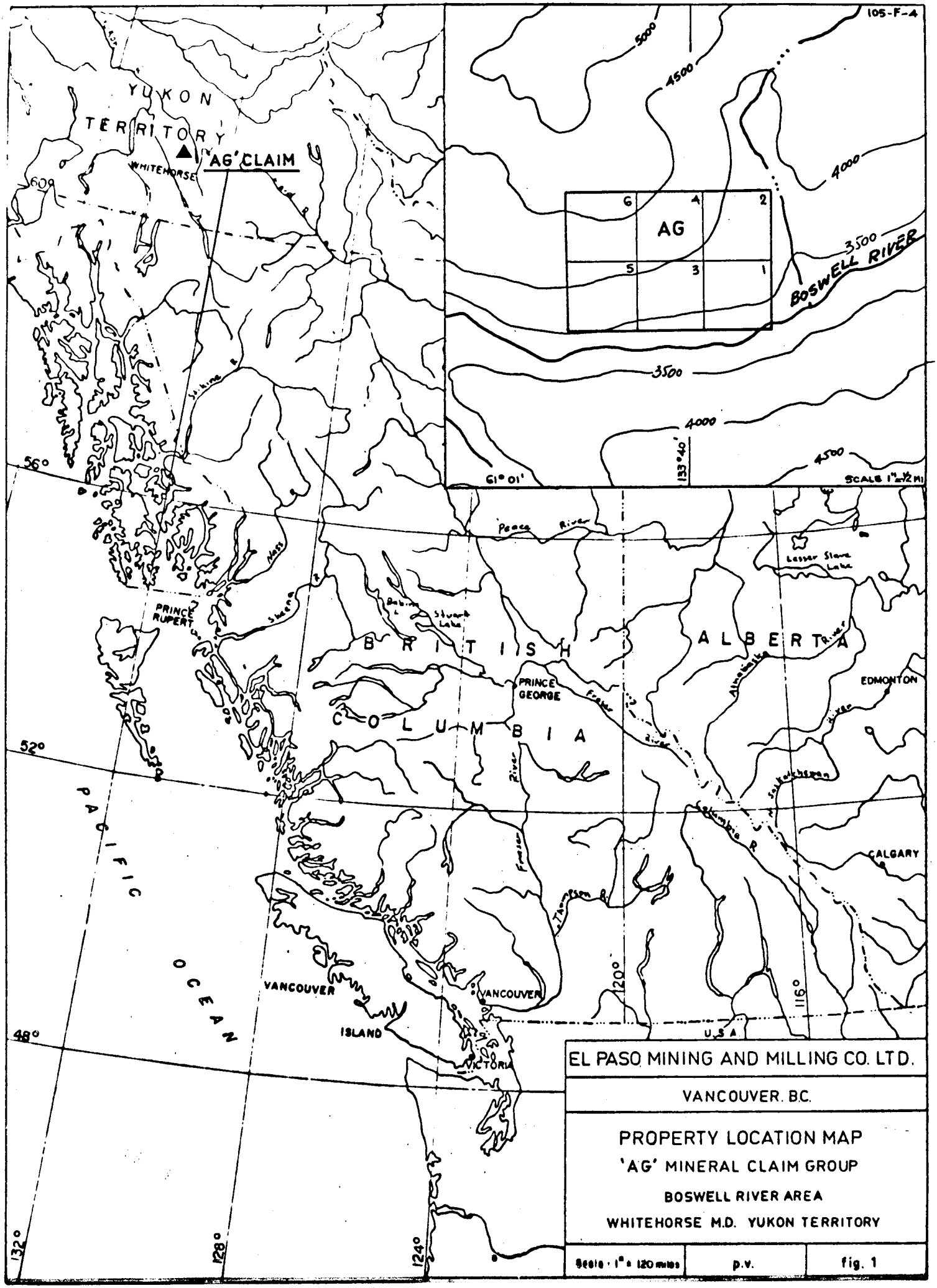
HISTORY

The G.S.C. found a 120 foot adit and several open cuts when the area was visited in 1934.

It has been restaked 5 times since 1946. The most extensive work since then has been a number of hand trenches and a geochemical and geophysical survey by Boswell River Mines in 1966 - 68. The latest staking was the AG claims (Y75 836 - 41) in July 1973 by W. Kuhn for El Paso Mining and Milling Company, Vancouver, B.C.

NATURE OF WORK

The work performed as the basis of this report is a combination of geological surveying and geochemical sampling. Low-order surveying sufficient to act as a control for both activities and to tie it into the claim was carried out.



EL PASO MINING AND MILLING CO. LTD.

VANCOUVER. B.C.

PROPERTY LOCATION MAP

'AG' MINERAL CLAIM GROUP

BOSWELL RIVER AREA

WHITEHORSE M.D. YUKON TERRITORY

Scale - 1" = 120 miles	p.v.	fig. 1

SURVEY CONTROL

In order to facilitate the plotting of the information to be garnered, a grid was established with the principal directions corresponding with the local meridian. The claim group is situated in the first quadrant so that all coordinates are given as northings and eastings. Points were established every 100 feet along an east-west line in the centre of the group and referred to as a base-line. It started from the common corner posts of AG claims 1,2,3 and 4 and was designed to follow the claim line from one end to the other. Every 200 feet along the baseline, north-south cross-lines were also marked at 100 foot intervals.

Equipment used for maintaining line direction and measuring azimuths was a Silva Ranger Type 15 T Compass. Its needle is liquid damped to reduce oscillation and with a small bubble visable, was easy to keep horizontal. It was corrected for the areal magnetic deviation of 31^{o} E. Its accuracy is about 1^{o} in azimuth.

For measuring distances a Topofil Chain was used. This is a thread metering instrument calibrated to read in feet. A spool of biodegradable thread is stored within the device. The thread is attached to a starting point, the meter reset to zero, and the distance to the following point is measured as the thread is pulled out as the instrument is carried along. It was accurate to within two inches per 100 feet when compared with a rope chain. It has the added advantage of making visible the traversed track.

To compensate for the slopes involved, a Suunto Clinometer was used to measure the % grade and indicate the required distance to traverse 100 horizontal feet.

Orange colored plastic flagging with the appropriate grid numbers marked on with a felt tipped pen marked the base line. Blue flagging similarly marked the cross-lines.

In practice, a cross-line was started from one base line station, continued as far as required, then turned at 90° to parallel the baseline for 200 feet, then an additional 90° turn and the line was marked back to the baseline. The closure at the baseline was noted. It was adjusted for by the drafting of the grid. The cross-line always started out afresh from the baseline each time it was encountered.

Claim posts were tied in during the regular mapping sequence.

TOPOGRAPHY

The area claimed lies on a south facing valley side of the upper Boswell River. It is an area of sharp slopes and generally small and short east-west ridges, which divert the drainage to a south-west direction. It is surmised that the recently departed valley glaciers in some way blocked drainage and caused the formation of side-hill channels and spillways. Except for a small portion of the claims lying next to Boswell River, there appears to be little accumulation of glacial outwash or drift.

GEOLOGY

See map 105F4 - A1 for details.

Lithology

The claim group is underlain by metamorphic rocks of unit A (Map 7 - 1960 Quiet Lake) G.S.C. Memoir 326 calls this the Big Salmon Complex of mainly Mississippian or earlier age. It is very well bedded, varying from a dark green volcanic tuff (chloritized) to a light brown phyllite. The phyllite is often gossanized. The strike and dip are surprisingly uniform at an Azimuth of 310° and dipping south-westerly from 45-80°.

The phyllite appears as a band approximately 400 feet wide adjacent to a coarse grained granite. There are phenocrysts of orthoclase up to 1" long. Small patches of coarser pegmatitic material were noted in boulders, evidently from deeper within the mass. There is little or no chilled margin next to the phyllite. The strike of the contact is nearly concordant with that of the phyllite which it intrudes. G.S.C. classifies it as part of the Coast and Cassiar Intrusions of Cretaceous age.

Minor rock types include aplite which,while relatively few, occasionally are found as dykes up to 2' wide in all rock types. A quartz felspar dacite is found on strike with the aplite. In the extreme north-west corner is a miarolitic,relatively medium grained mafic-poor granite. These presumably are all differing phases of the same intrusive.

An ultra-basic intrusive occurs near the centre of the claim group. It is a medium-grained, brown weathering dark green to black mottled rock. It commonly shows conspicuous flashing cleavage faces of pyroxene crystals that stand out in relief on the weathered surface. This is very often laced with a fine grained matrix of serpentine which give the outcrop the appearance of a breccia.

The mass is lens-like in shape, east-west in strike and of unknown but presumably steep dip.

Structure

No faulting was recognized. Jointing of the granite produced large blocks of scree but no preferred jointing orientation was noted.

The banded volcanic tuff and phyllite are conformable in strike and dip. The granite too seemed concordant with the banded rock, except in the case of a few thin aplite dykes.

Mineralization

Silver-bearing galena occurs in quartz veins in the phyllite. No veins were noted in the granite and only two or three very thin

ones in the volcanic tuff. The veins had a tendency to strike at an azimuth of 010°, but there were numerous exceptions. Widths of the veins varied greatly. One area, about 200' by 300' roughly seemed to be essentially vein quartz, a condition often referred to as a "blowout". Most of the pits exposed veins 2 to 10 feet wide.

The quartz was white,occasionally stained brown along fracture planes. Galena was sparse in general, perhaps in the better areas up to 4% by volume. Pyrite was even more scarce, occasional casts were sometimes seen. No molybdenite was noted.

Chip samples from a previous visit were taken from some of the pits and the assays plotted on the geology map.

GEOCHEMISTRY

Soil sampling was carried out on all the marked grid points except those east of 7100E on the baseline. Sampling consisted of taking a small (100 - 300 grams) sample of the "B" soil horizon, enclosing it in a high wet-strength kraft bag and suitably identified. The soil samples thus obtained were shipped to Min-En Laboratories Ltd., 705-W.15th St., North Vancouver for analysis.

The soils at the laboratory were dried and screened to retain only the -80 mesh fraction. This portion was analyzed, after being suitably digested, by the atomic absorption method for Pb and Ag. A copy of the results is included in the appendix.

The results for each metal have been plotted on separate maps - Map 105F/4 - A2 for Pb; Map 105F/4 - A3 for Ag. A frequency histogram on squared paper and a cumulative frequency plot on logarithmic probability paper have also been prepared for each metal.

EL PASO MINING AND MILLING CO.

'AG' MINERAL CLAIM GROUP

WHITEHORSE, M.D., Y.T.

HISTOGRAM OF LEAD IN P.P.M.

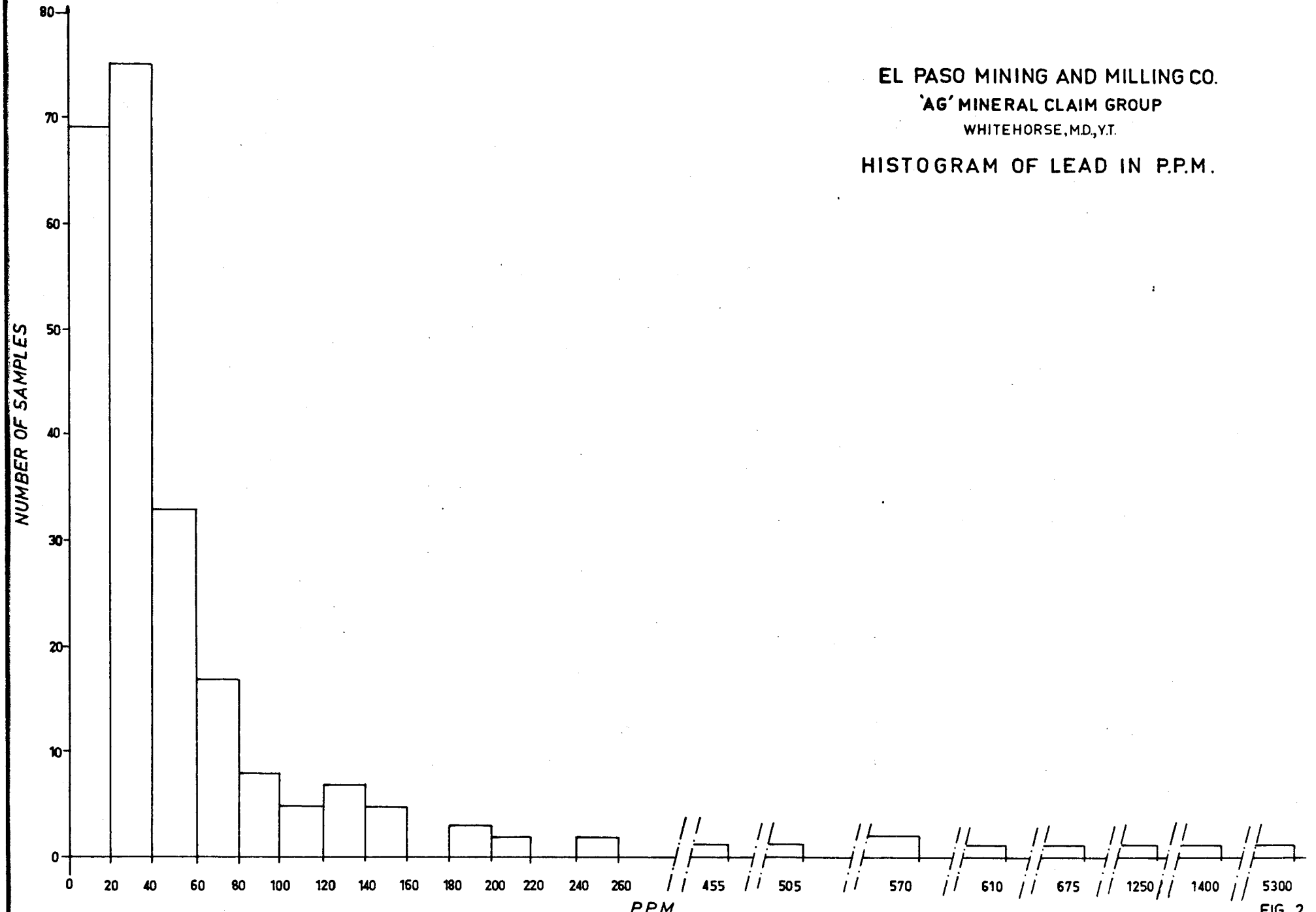


FIG. 2

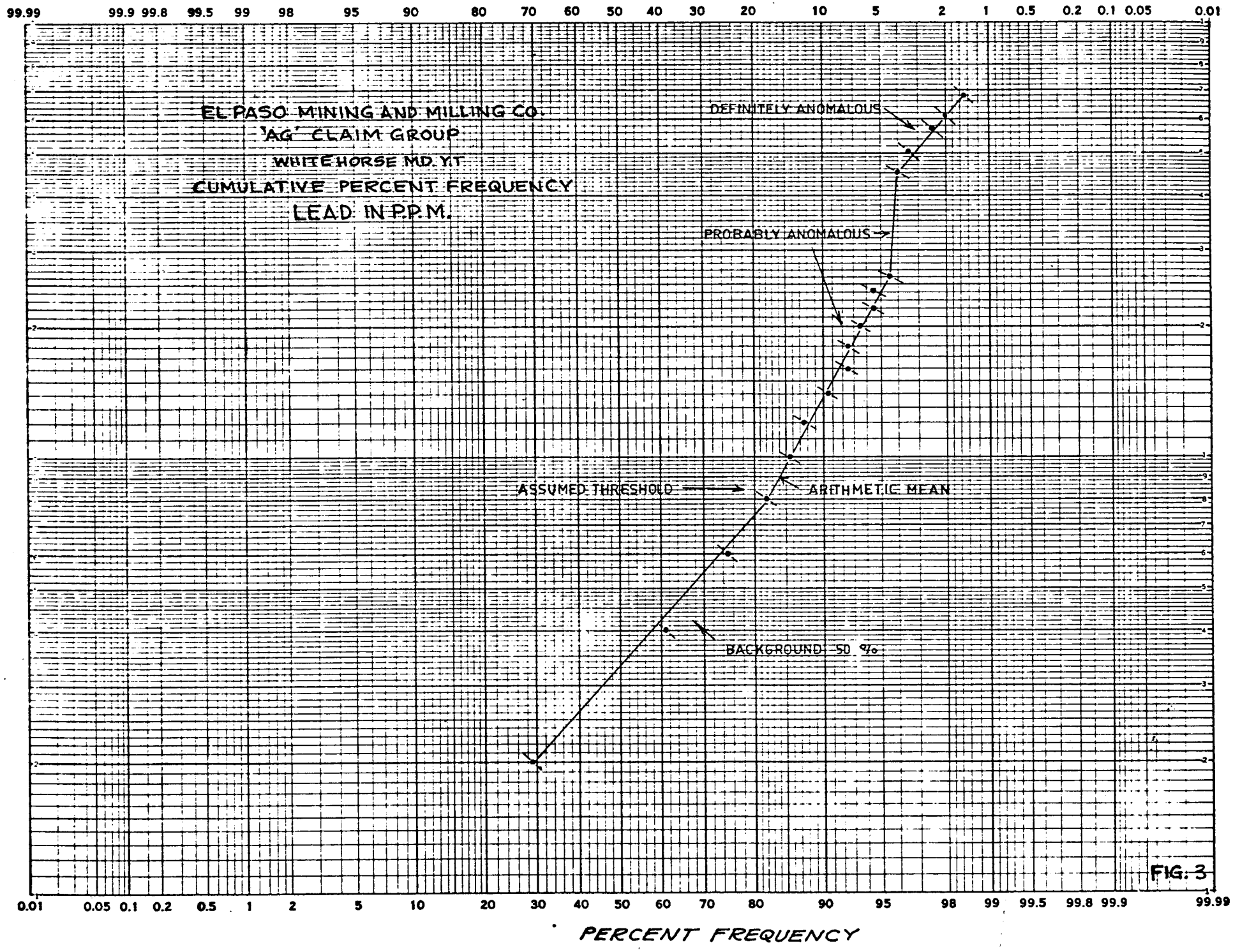


FIG. 3

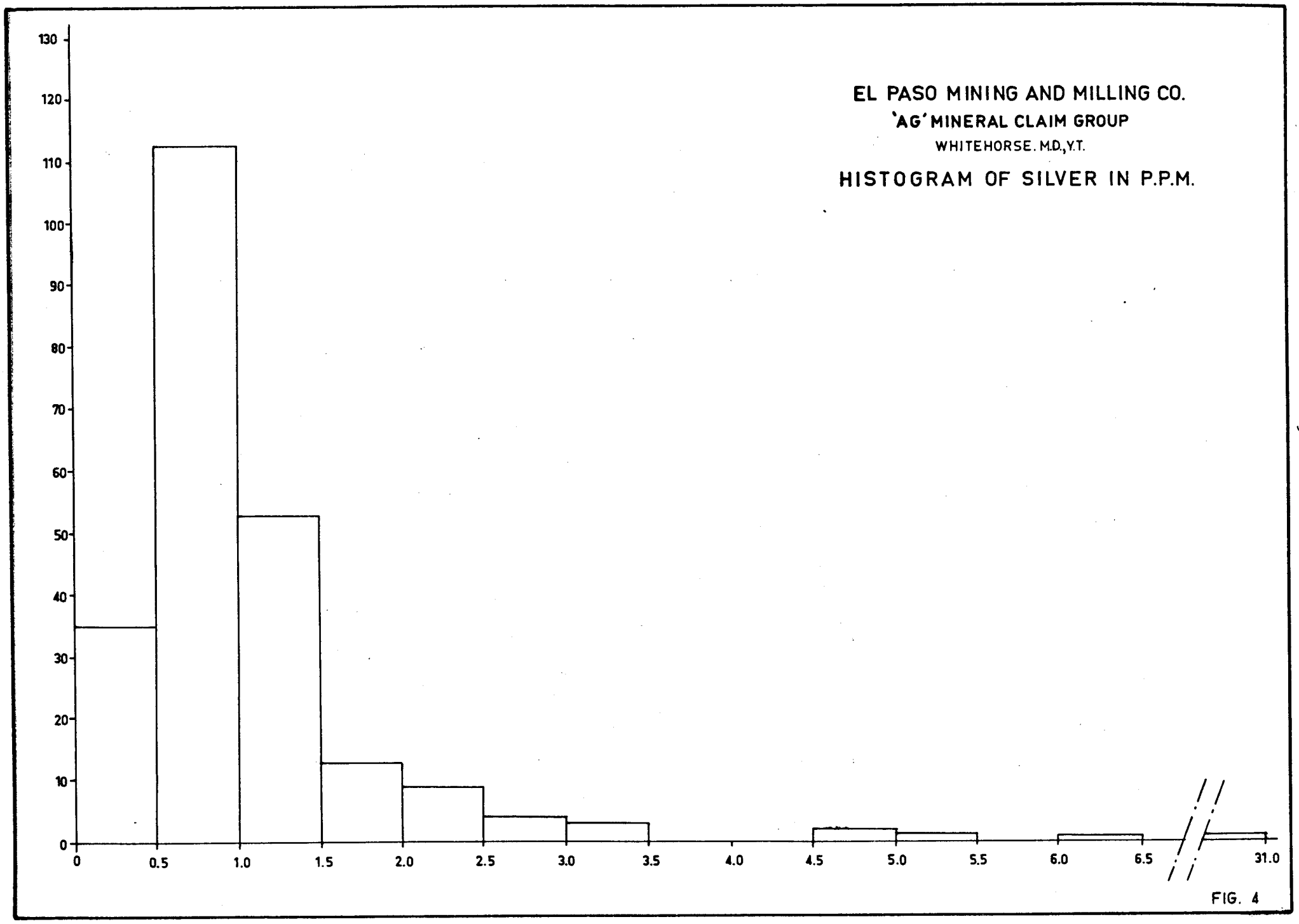

EL PASO MINING AND MILLING CO.
'AG' MINERAL CLAIM GROUP
WHITEHORSE. M.D., Y.T.
HISTOGRAM OF SILVER IN P.P.M.
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
31.0

FIG. 4

GRAPHIC CONTROLS CANADA LTD.
MADE IN CANADA

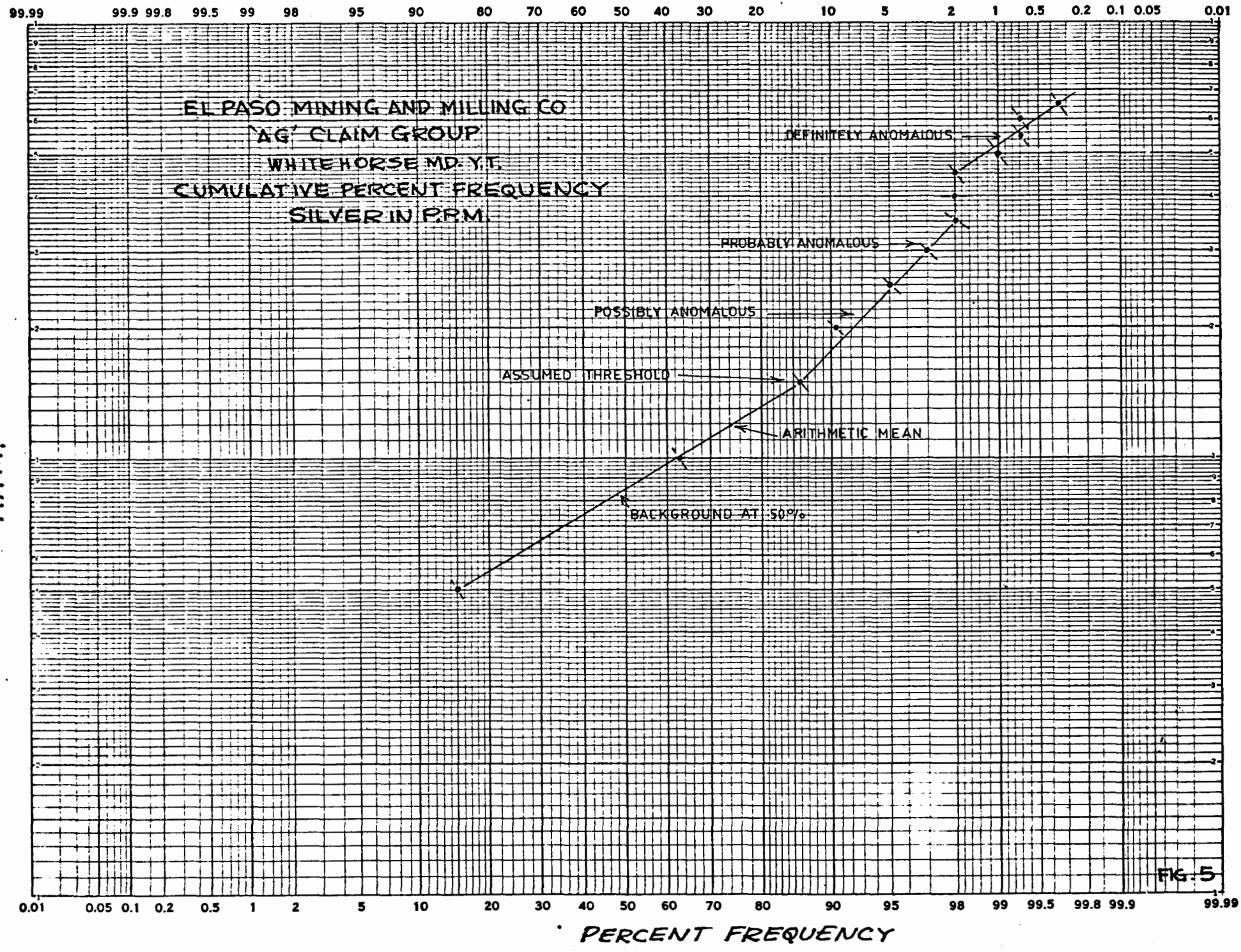


FIG. 5

Lead

The arithmetic mean of all lead analysis is 91 ppm. The values are shown on a frequency histogram (Figure 2) and a cumulative frequency plot on log probability paper (Figure 3). On the latter curve, the background value at the 50 percentile is 33 ppm. A break in the slope of the cumulative frequency curve appears at 85 ppm lead and this is assumed to be the threshold value. The following ranges of anomalous lead values in the soils have been selected based on this threshold value:

84	-	170 ppm	Possibly anomalous
171	-	450 ppm	Probably anomalous
		450 ppm	Definitely anomalous

These values have been contoured on Map 105-F-4-A2 with the "Possibly anomalous" range colored yellow, "Probably anomalous" range colored orange, and "Definitely anomalous" colored red.

The soil contour map shows three separate areas with definitely anomalous amounts of lead. They occur within claims AG1 and AG3. The largest of the three and the one to the south-east cover an area where a number of old test pits are located and where galena was noted in some of them. This is in good agreement with the observed mineralization, despite the background values which separate the two areas.

The third area centered 10,900N, 6000E is unexplained by geological observations. Some minor quartz scree was noted in the area. A possibility exists for an unmapped quartz vein to be present. It is also possible for the host phyllite to carry galena.

The isolated, scattered possibly anomalous values picked up are peripheral, small bits of mineral not to be considered.

Silver

The arithmetic mean of all silver analysis is 1.21 ppm. The analyses are shown on a frequency histogram (Figure 4) and a cumulative percent frequency plot on log probability paper (Figure 5). On the latter curve, the background value at the 50 percentile is 0.85 ppm. A break in the slope occured at 1.51 ppm and this is

assumed to be the threshold value.

The following anomalous limits were selected for Ag in soil:

1.51 - 2.50 ppm Possible Anomalous

2.51 - 4.50 ppm Probably Anomalous

> - 4.50 ppm Definitely Anomalous

These intervals have been contoured on Map 105-F-4-A3 with the "Possibly Anomalous" range colored yellow, "Probably Anomalous" colored orange and "Definitely Anomalous" colored red.

The main areas of silver in soils correspond roughly to the mineralized area found on the lead map. The northerly and westerly anomalous areas have larger gaps between them. The anomalous area with a high value at 10,900N; 5800E corresponds also to the one on the lead map and is again unexplainable. It appears too persistent to be only a scattering of mineralized scree.

The remaining areas are not unexpected. They can be safely termed "erratic values" and ignored.

Interpretation

The two soil maps indicate a mineralized area approximately 1400 feet long, with variable widths. It is believed that the metal indications have not moved far, either by glacial action or as colluvium. The area around 11,200N;6700E looks to be the most interesting as this corresponds with the quartz "blowout" as defined in the geological mapping.

The anomalous area along the south edge of the sampling indicates mineralization that was not noted in the geological mapping.

The remaining sampled area may be safely dismissed as of little interest.

Recommendations

This area is worthy of a follow-up to:

1. Determine the limits of the soil anomaly near 10,900N; 5,800E and

2. To determine the grade of the mineral in the quartz and in the phyllite separately.

To do this:

(a) soil sampling from 10,300N should be filled in from 54E to 66E inclusive.

(b) a program of rock sampling in the pits, outcrops and some additional trenching should be done in the primary mineralized area.

(c) tie in the northern end of the phyllite, granite contact to the edge of the claims. This contact could be soil sampled if considered geologically interesting.

(d) Re-evaluate the data for possible additional work.

B. Taylor

B. Taylor

REFERENCES

1. Northern Cordillera Mineral Inventory - 1970

   Archer Cathro & Associates Ltd., - NTS 105 F/4

2. G.S.C. Map 7 - 1960 - Quiet Lake - Sheet 105-F.

3. G.S.C. Memoir 326 - Teslin Map area.

4. National Air Photo Library - Photos A 12232 - 295 and 296.

A P P E N D I X A

STATEMENT OF COSTS

STATEMENT OF COSTS

1. SALARIES AND WAGES

B. TAYLOR - 1981 Hyannis Drive North Vancouver, B.C.	7 days @ $52.16/day	=	$ 365.12
S. RENDALL 2467 West 13th Ave., Vancouver, B.C.	7 days @ 20.00/day	=	140.00
P. HENMAN 3165 Bewicke Ave., North Vancouver, B.C.	7 days @ 20.00/day	=	140.00
			$ 645.12

2. FOOD AND SUPPLIES ---------- = 150.00

3. TRANSPORTATION

Helicopter - 1.7 hours---------- = 441.75

4. ASSAYING

235 Samples (Pb-Ag) @ $1.85/sample-----= 434.75

5. REPORT PREPARATION ---------- = 250.00

$1,921.16

B. Taylor

INVOICE

MIN-EN LABORATORIES LTD.
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
Phone: 980-5814

№ 1296

DATE July 18/74.

YOUR ORDER NO. Ag 3

TO · El Paso Mining & Milling,
· 500-885 Dunsmuir St.,
· Vancouver, B.C.

OUR ORDER NO.		TERMS	F.O.B.	
Ag 3				File 831

QUANTITY	STOCK NUMBER/DESCRIPTION	UNIT PRICE	AMOUNT
235	soil geochem - Pb, Ag	1 50	352 50
235	soil sample preparation	35	82 25
	TOTAL		434 75

THESE ARE PROFESSIONAL SERVICES AND PAYABLE WHEN RENDERED.

TRANS NORTH TURBO AIR (1971) LTD.
BOX 4338, WHITEHORSE, YUKON
TELEPHONE (403) 668-2177 • TELEX 036-8-290

ACCOUNT NUMBER: 960
1109
INVOICE DATE: 30 06 71
AREA: B.C. YUKON NWT ALTA.

CHARTERER: EL PASO MINING & MILLING Co
BILLING ADDRESS: 500 - 885 DUNSMUIR ST.
VANCOUVER, BC V6C 1N8

A/C TYPE: 206A
AIRCRAFT REGISTRATION C-: TNT

FLIGHT DATE: DAY 24 - MONTH 6 - YEAR 74

PURCHASE ORDER NO.:

FUEL & OIL-X TNTA	FUEL & OIL-X CUST.	TNTA FUEL USED	HRS.-GALS.	FROM
X		XY		

FROM / TO	MILES	HOURS	ZONE	FREIGHT LBS.	NO. OF PASS. - REMARKS
FROM WHITEHORSE					
TO TWO LOADS TO					
DOSWELL RIVER		1.7			THREE

SUB	G.L.		AMOUNT
106	5702		416 50
106	5711		24 79

	1.7 @ 245.00		416 50
	@		
	@		
	@		
WAITING TIME	@ /HR.		
FUEL: 37	@ .67 /GAL.		24 79
FUEL:	@ /GAL.		
MEALS & LODGING			
OTHER			
OTHER			
TOTAL		$	441 29

TERMS: ONE PERCENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

B. Taylor
CHARTERER'S SIGNATURE

Don Porter
PILOT'S SIGNATURE

STOUT
ENGINEER'S NAME

WH
AG
UG²

FLIGHT REPORT
CUSTOMER COPY

A P P E N D I X B

SOIL SAMPLE RESULTS

COMPA: El Paso Mining

PROJECT N: Ag-3

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8001			26				0·4					
02			13				0·2					
03			14				0·4					
04			6				0·1					
05			20				0·8					
06			16				0·8					
07			10				0·5					
08			37				0·9					
09			34				0·6					
10			55				1·2					
11			80				1·4					
12			31				0·9					
13			17				0·5					
14			106				0·7					
15			51				0·8					
16			49				0·7					
17			43				0·6					
18			31				0·7					
19			30				1·3					
20A			120				0·9					
20B			53				0·6					
21			49				0·8					
22			52				0·6					
23			116				1·2					
24			112				1·2					
25			36				0·8					
26			83				0·9					
27			133				0·5					
28			47				0·7					
8029			37				0·6					

CERTIFIED BY A. Hanke

El Paso Mining

Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

F No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8030			67				0·5					
31			22				0·7					
32			76				1·2					
33			27				0·9					
34			18				0·1					
35			21				0·1					
36			19				0·4					
37			35				0·4					
38			44				0·6					
39			17				0·4					
40			52				0·8					
41			30				0·6					
42			10				0·2					
43A			23				0·7					
43B			26				0·7					
44A			16				0·8					
44B			26				0·9					
45			14				0·4					
46A			20				1·1					
46B			26				1·1					
47A			7				0·5					
47B			20				1·9					
48A			16				1·0					
48B			121				1·5					
49A			570				2·8					
49B			18				0·8					
50A			97				1·3					
50B			82				1·5					
51			57				3·2					
8052			21				1·1					

CERTIFIED BY A. Hanke

COMPANY El Paso Mining

PROJECT No.: Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8053			41				1·2					
54A			29				1·2					
54B			20				1·6					
55			27				1·2					
56			40				0·8					
57			5300				31·0					
58			141				2·1					
59			66				1·0					
60			26				1·1					
61			35				1·8					
62			49				1·1					
63			23				1·0					
64			31				1·1					
65			21				1·4					
66			22				1·1					
67			45				1·3					
68			75				1·2					
69			455				2·8					
70			1250				3·3					
71			1400				6·2					
72			85				0·8					
73			43				1·3					
74			20				0·9					
75			10				0·6					
76			10				0·6					
77			25				1·0					
78			50				1·2					
79			23				0·9					
80			195				2·1					
8081			610				1·4					

CERTIFIED BY A. Hanke

COMPANY: El Paso Mining

PROJECT No.: Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8082			16				0.4					
83			22				0.8					
84			9				0.5					
85			10				0.4					
86			12				0.6					
87			14				0.7					
88			6				0.8					
89			10				0.8					
90			77				0.9					
91			565				4.7					
92			59				1.5					
93			30				1.1					
94			12				0.4					
95			11				0.3					
96			23				0.7					
97			9				0.4					
98			19				0.7					
99			40				0.6					
8100			7				0.2					
01			22				0.7					
02			46				1.4					
03			35				1.2					
04			124				2.4					
05			21				0.9					
06			44				1.3					
07			20				0.5					
08			7				0.3					
09			505				5.1					
10			135				1.8					
8111			55				0.9					

CERTIFIED BY: A. Hanks

COMPAN. El Paso Mining

PROJECT No.: Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8112			15				0.6					
13			31				0.4					
14			68				1.2					
15			44				0.7					
16			33				0.6					
17			41				0.8					
19			155				2.3					
20			185				1.6					
21			77				1.2					
22			75				1.3					
23			68				1.4					
24			67				1.0					
25			19				0.7					
26			21				0.7					
27			39				1.0					
28			40				1.4					
29			68				1.3					
30			128				1.9					
31			62				1.2					
32			144				1.4					
33			205				2.5					
34			151				1.5					
35			53				0.7					
36			70				1.2					
37			19				0.7					
38			17				1.0					
39			245				2.9					
40			125				3.2					
41			74				1.7					
8142A			205				2.1					

CERTIFIED BY A. Hanke

COMPAN El Paso Mining

PROJECT No. Ag-1

GEOCHEMICAL ..NALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

I No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8118			16				0.5					

CERTIFIED BY A. Hanke

COMPANY El Paso Mining

PROJECT No. Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

F No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8142B			245				2.0					•
43A			18				0.4					•
43B			675				4.9					•
44			22				1.0					•
45			30				0.7					•
46			25				0.7					•
47			44				0.8					•
48			95				1.1					•
49			54				1.3					•
50			148				1.0					•
51			14				1.0					•
52			21				0.6					•
53			21				1.1					•
54			23				1.0					•
55			14				0.4					•
56			12				0.5					•
57			33				0.9					•
58			48				0.7					•
59			119				1.3					•
60			27				1.1					•
61			55				1.0					•
62			33				0.9					•
63			43				1.3					•
64			21				0.9					•
65			17				0.8					•
66			13				2.1					•
67			13				0.6					•
68			13				1.0					•
69			17				0.7					•
8170			22				1.8					•

CERTIFIED BY A. Hanke

COMPAN: El Paso Mining

PROJECT No.: Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8171			9				0·6					
72			7				0·3					
73			22				1·1					
74			9				1·0					
75			14				0·7					
77			23				1·0					
78			33				1·1					
79			22				0·7					
80			7				0·5					
81			60				0·9					
82			52				1·7					
83			44				1·0					
84			47				0·9					
85			30				1·2					
86			21				0·8					
87			30				0·9					
88			19				1·0					
89			17				0·6					
90			10				0·5					
91			42				1·0					
92			18				0·5					
93			31				1·0					
94			61				1·2					
95			25				0·7					
96			26				0·6					
97			16				0·6					
98			190				1·0					
99			24				0·6					
8200			13				0·8					
8201			34				0·7					

CERTIFIED BY A. Hanke

COMPANY: El Paso Mining

PROJECT No.: Ag-1

GEOCHEMICAL ANALYSIS DATA SHEET

MIN - EN Laboratories Ltd.

F No. 831

DATE: July 9 1974.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppm
8202			33				0.9					
03			28				2.1					
04			37				0.8					
05			28				0.8					
06			25				0.8					
07			48				1.2					
08			40				1.1					
09			82				2.3					
10			14				0.8					
12			21				2.0					
13			17				0.8					
14			13				0.7					
15			76				3.0					
16			17				0.9					
17			17				1.6					
18			17				0.8					
19			35				0.6					
20			23				0.7					
21			29				0.8					
22			26				0.9					
23			26				0.8					
24			29				1.1					
25			14				0.7					
8226			20				0.9					
			21403				26404					

CERTIFIED BY A. Hanke

ASSAY CERTIFICATE

WHITEHORSE ASSAY OFFICE LTD.
BOX 4518 WHITEHORSE Y.T.
PHONE 667 2694

DATE. [illegible] 23, 1973.

FILE NO. 7939-19

SAMPLE RECEIVED FROM EL PASO MINING & [illegible] (J. [illegible])

SAMPLE NO.	GOLD Oz. Per Ton	SILVER Oz. Per Ton	LEAD	ZINC				
2322		.62	.25	-				
2323		1.91	.68	-				
2325		8.82	5.33	-				
HM 3335		.06	.03	.02				
3336		13.0	5.33	-				
3337		19.3	7.50	-				
3338		7.79	2.93	-				
3339		.15	.03	-				
3340		8.97	3.08	-				
3341		3.38	.70	-				
3342		23.5	8.21	-				
3343		.09	.03	-				
3344		1.47	.68	-				
3345		6.03	2.25	-				
3346		4.26	3.60	-				
3347		1.09	.70	-				
3348		22.5	22.2	-				
3349		1.62	1.58	-				
3350		TR	.01	-				

Boswell River [illegible]

SEP 25 1973

ASSAYER. K. Hoyland for G. Spalding

A P P E N D I X C

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Bertram Taylor, of the District of North Vancouver, in the Province of British Columbia, hereby certify that:

1. I am a geologist residing at 1981 Hyannis Drive, North Vancouver District, B.C.

2. I graduated from the University of Saskatchewan in 1941 with the degree of Bachelor of Science in Geological Engineering.

3. I am a member of the Corporation of Professional Engineers of Quebec (1952) and of the Association of Professional Engineers of the Province of British Columbia (1971).

4. I am a member of the Canadian Institute of Mining and Metallurgy (1964) and of the Geological Association of Canada (1953).

5. I have practised my profession as a geologist for 29 years in Quebec, Newfoundland and British Columbia.

6. The present report is based on an examination of silver-lead occurrences on the AG Claims, Whitehorse M.D., June 24th - 30th, 1974.

7. The examination was made and this report written as part of my employment by El Paso Mining and Milling Company.

B. Taylor

B. Taylor, P. Eng.

13 000 N
12000 N
11000 N
10000 N
9000 N
4000 E
5000 E
6000 E
7000 E
8000 E
122 N
120 N
118 N
116 N
114 N
112 N
110 N
108 N
106 N
104 N
102 N
100 N
40 E
42 E
44 E
46 E
48 E
50 E
52 E
54 E
56 E
58 E
60 E
62 E
64 E
66 E
68 E
70 E
72 E
74 E
76 E
78 E
80 E
82 E
84 E
AG 1
AG 2
AG 3
AG 4
AG 5
AG 6
BL
TRENCH
SOME U.B. SCREE
U.B. SCREE
SOME QUARTZ SCREE
PHYLLITE TALUS
PHYLLITE SCREE
GRANITE SCREE
GRANITE TALUS
COARSE GRAINED GRANITE OUTCROPS
COARSE GRAINED GRANITE CRAGGY OUTCROP
MEDIUM GRAINED GRANITE
QUARTZ SCREE
QUARTZ IN SCREE
TR. QUARTZ IN SCREE
DARK GREEN VOLCANIC SCREE
COURSE GRAINED QUARTZ FG. GALENA SCREE
UM. IN SCREE
MINOR QUARTZ IN SCREE
DARK GREEN VOLCANIC SCREE SHARPLY FOLDED
LITTLE QUARTZ SCREE
DARK GREEN VOLCANIC SCREE
TRACE OF QUARTZ SCREE
BOSWELL RIVER
TRAIL
ADIT
OUTCROP AREA
SOME PEGMATITE IN BOULDERS
RIVER VALLEY COVERED WITH GLACIAL DRIFT

LEGEND

QUARTZ VEIN, MINERALIZED
ULTRA-MAFIC VOLCANICS
APLITE, DACITE
GRANITE
VOLCANIC TUFF
PHYLLITE

SYMBOLS

OUTCROP AREA
TRENCHING
GEOLOGICAL CONTACT, INFERRED
BEDDING
SPRING
DRAINAGE
RIVER
ADIT

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

'AG' MINERAL CLAIM GROUP
BOSWELL RIVER AREA
WHITEHORSE MINING DISTRICT
YUKON TERRITORY

DRAWN BY: P.V.	DATE: JULY 1974	SCALE: 1" = 200'
TRACED BY:	DATE:	
REVISED DATE	REVISED DATE	DRAWING No: 105-F-4-A1

B. Taylor

LEGEND

POSSIBLY ANOMALOUS 84 – 170 P.P.M.

PROBABLY ANOMALOUS 170 – 450 P.P.M.

DEFINITELY ANOMALOUS > 450 P.P.M.

BACKGROUND < 84 P.P.M.

EL PASO MINING AND MILLING COMPANY

DEL NORTE MINING GROUP

LEAD IN P.P.M.

'AG' MINERAL CLAIM GROUP

BOSWELL RIVER AREA

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

DRAWN BY : P.V.	DATE : JULY 1974		SCALE : 1" = 200'		
TRACED BY :	DATE :				
REVISED	DATE	REVISED	DATE	DRAWING No : 105-F-4-A2	

B. Taylor.

13 000 N

12000 N

11000 N

10000 N

9000 N

4000 E

5000 E

6000 E

7000 E

8000 E

9000 E

122 N

120 N

118 N

116 N

114 N

112 N

110 N

108 N

106 N

104 N

102 N

100 N

40 E 42 E 44 E 46 E 48 E 50 E 52 E 54 E 56 E 58 E 60 E 62 E 64 E 66 E 68 E 70 E 72 E 74 E 76 E 78 E 80 E 82 E 84 E

AG 6 AG 5 AG 4 AG 3 AG 2 AG 1

B.L.

LEGEND

POSSIBLY ANOMALOUS	1.5 – 2.5 P.P.M.
PROBABLY ANOMALOUS	2.5 – 4.5 P.P.M.
DEFINITELY ANOMALOUS	> 4.5 P.P.M.
BACKGROUND	< 1.5 P.P.M.

B. Taylor.

EL PASO MINING AND MILLING COMPANY

DEL NORTE MINING GROUP

SILVER IN P.P.M.

'AG' MINERAL CLAIM GROUP

BOSWELL RIVER AREA

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

DRAWN BY : P.V.	DATE : JULY 1974		SCALE :	1" = 200'
TRACED BY :	DATE :			
REVISED DATE	REVISED DATE		DRAWING No :	105-F-4-A3