3492

GEOCHEMICAL - GEOPHYSICAL REPORT

on the

VICTOR MINERAL CLAIMS

YALE AREA, B. C.

Located 3 miles SW of Yale, B. C.
(49°, 33'N, 121°, 29'W) - New
Westminster Mining Division.

by

Bradley R. Mitchell

January 10, 1972

TABLE OF CONTENTS

ILLUSTRATIONS

SUMMARY

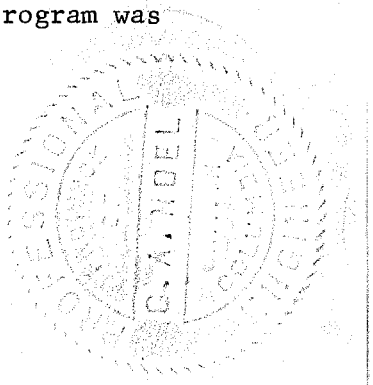
From October 19 to November 20, 1971 a small crew varying between 2 and 6 men worked under difficult weather and ground conditions on a geochemical and ground magnetometer survey on the Victor claim group, about 3 miles southwest of Yale, B. C., in the New Westminster Mining Division. This property consists of 24 claims, Victor 1 - 24.

Deep snow and steep icy slopes at the time of the surveys made it impossible to complete a geological map of the natural outcrops. G.S.C. Map #69-47 shows that the property is underlain by schists and amphibolites of unknown age. The migmatitic equivalents of the above, and/or meta quartz diorites plus lesser amounts of gabbro-pyroxenites also occur. Disseminated nickel and copper sulphides occur within at least one narrow northeasterly striking gabbro-pyroxenite body.

The magnetometer survey was useful in indicating magnetite-bearing zones and/or mineralized zones. The results of the geochemical soil survey correlated fairly well with the result of the magnetometer survey. Soil and magnetometer anomalies are small in areal extent. No further work is planned on these claims.

INTRODUCTION

Between October 19 and November 21, 1971 a geochemical soil survey and a ground magnetometer survey were undertaken on the Victor claim group, owned by Walter Chrane of Yale, B. C. This program was



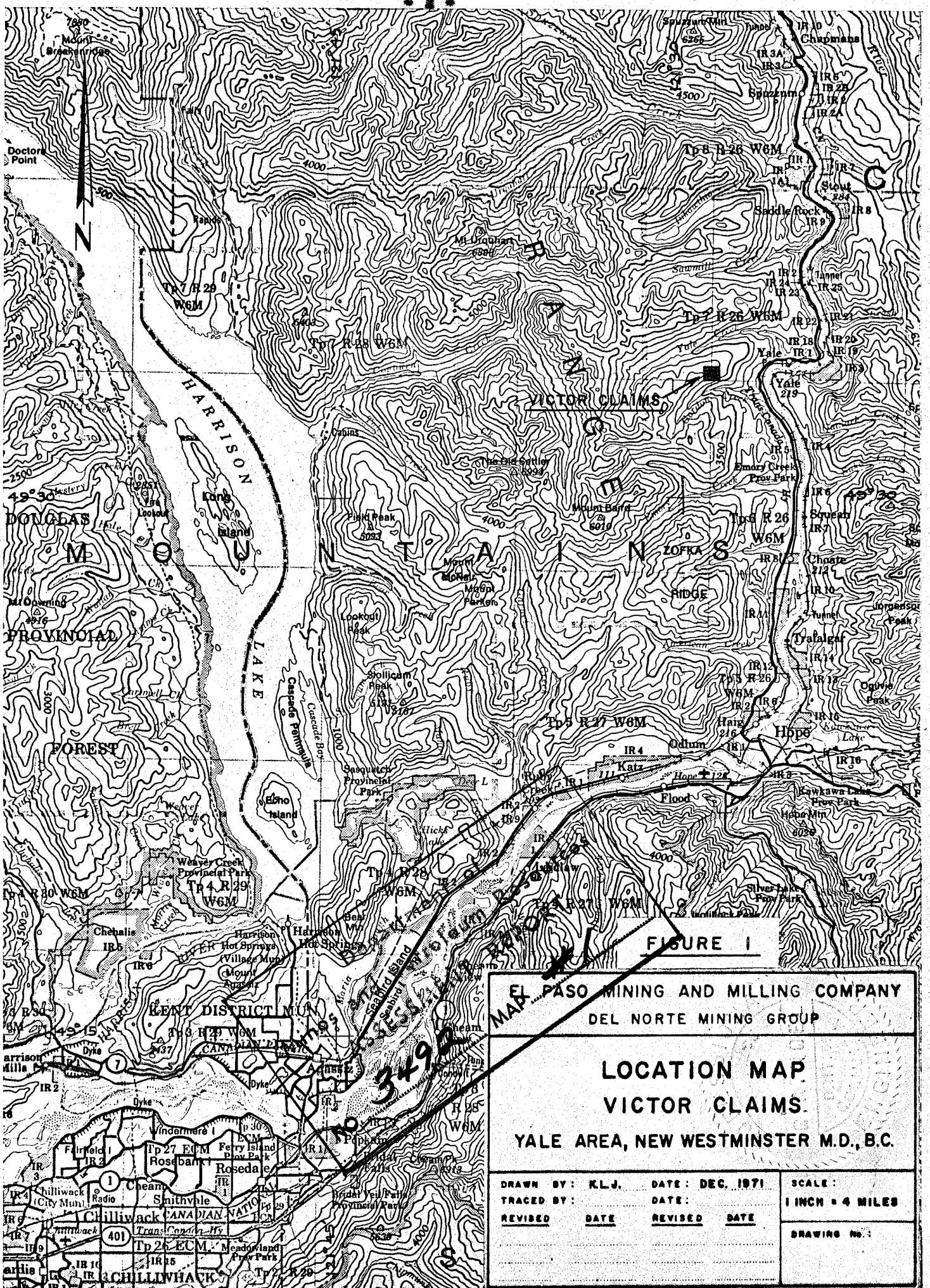


FIGURE 1

EL PASO MINING AND MILLING COMPANY

DEL NORTE MINING GROUP

LOCATION MAP

VICTOR CLAIMS

YALE AREA, NEW WESTMINSTER M.D., B.C.

DRAWN BY: K.L.J.	DATE: DEC. 1971			SCALE: 1 INCH = 4 MILES
TRACED BY:	DATE:			
REVISED	DATE	REVISED	DATE	DRAWING No.:

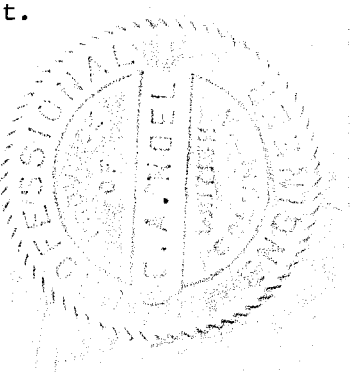
based on the occurrence of nickel and copper sulphides in a small showing on the property. As this occurrence is in the same general belt of rocks as the Giant Mascot Nickel mine, it was thought worthy of further investigation.

The Victor property consists of 24 claims, Victor 1 to 24 inclusive, and is located in the New Westminster Mining Division about 3 miles southwest of Yale, B. C. The Victor claims lie approximately between elevation 2400 and 3600 feet on an easterly-facing logging slash slope overlooking the Fraser River. From a point one mile south of Yale, a logging road winds up the mountain side and passes through the claim group.

FIELDWORK

A survey grid was laid out by Silva compass and nylon tape covering an area 2000 feet long by 1000 feet wide. The baseline runs 1500 feet northeast and 500 feet southwest of the 0+00 point. This point is located on the main mineral occurrence. Lines were spaced at 100 feet and stations at 50 feet. The grid overlies the Victor #4 claim and was used for the geochemical and magnetomer surveys and for the geological mapping.

A McPhar M-700 flux gate magnetometer was used for the magnetic survey. This instrument reads from 0 to 100,000 gammas in five ranges with either positive or negative polarity. The readings along each traverse were corrected by a time-correction plot.



The soil samples were taken from the "B" horizon, using a grub-hoe where possible. Otherwise, an auger, 1 inch in diameter, was used where snow depths and dense slash made it impractical to use the grub hoe.

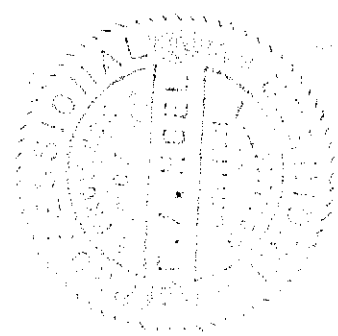
A total of 373 samples were collected. These were analyzed by Barringer Research Ltd., 1170 Hornby Street, Vancouver, B. C., using the atomic absorption method for total nickel and recording results in parts per million (ppm).

GEOLOGY

(Map 1, 92 H 11 A-1)

The Victor claims are underlain by schists and amphibolites of unknown age, their migmatitic equivalents, or upper Cretaceous meta quartz diorites. At least one occurrence of nickel-copper mineralized gabbro-pyroxenite and possibly peridotite is intruded into these rocks. Contacts, bedding and a 6 to 12-inch pegmatite dike strike northeasterly with gentle northwesterly dips. At least one northerly striking shear is associated with the main mineral showing.

This occurrence, which lies at the southwest end of the survey area, consists of disseminated iron, nickel and copper sulphides in a small body of gabbro-pyroxenite. This ultramafic has an exposed length of 150 feet along a northeasterly direction and is approximately 10 feet wide. It is bounded by migmatites or meta quartz diorites where exposed. Minor mineralization was noted in the latter at or near the contact with



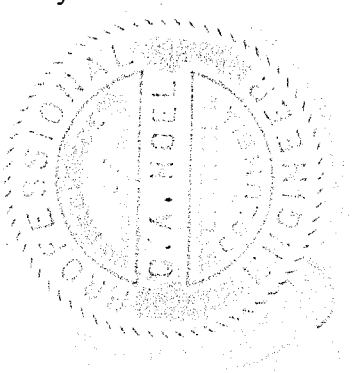
the gabbro-pyroxenite. Nickel-copper mineralization was also noted in a small exposure of what appears to be peridotite 150 feet along strike to the northeast, which may indicate a 300-foot mineralized length. Channel samples taken from the above are shown on the geological map of the property and range from .22 to .50% nickel and .14 to .23% copper. A report by Dr. Sidney Williams, who made a petrographic study of selected specimens from the mineralized zone is appended hereto. A report based on thin section and chemical analyses by Dr. W. C. Brisbin of Westerre Associates Limited of Winnipeg is also appended.

MAGNETOMETER RESULTS

(Map 3, 92 H 11 A-3)

The corrected magnetometer readings were plotted to the nearest 10 gamma value and contoured at an interval of 100 gammas. Readings were taken at 50-foot intervals and at 25-foot intervals in anomalous areas.

Three small magnetometer anomalies are indicated, the largest of which correlates with the main mineralized showing. Maximum magnetic relief throughout the survey area occurs over the main showing and is approximately 1000 gammas. This is much less than would have been expected over supposedly magnetite-pyrrhotite bearing gabbro-pyroxenite. This anomaly has a northeasterly trend while the two smaller anomalies plus the background outline have a northerly trend.



GEOCHEMICAL RESULTS

(Map 2, 92 H 11 A-2)

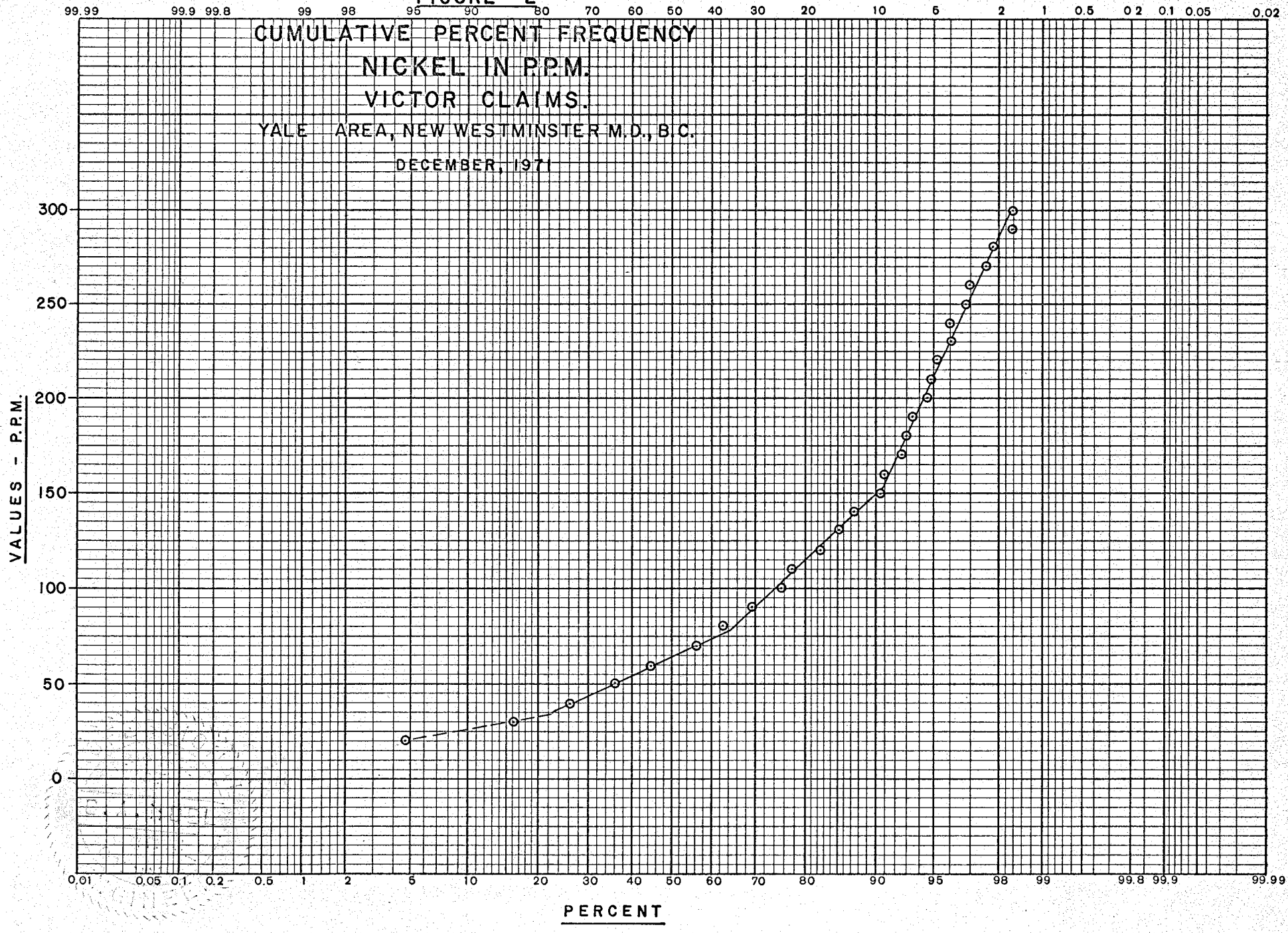
Attempts were made to collect all samples from the "B" horizon. Because of difficulties imposed by the snow, ice and slash, it is believed, however, that some "A" horizon material was inadvertently sampled.

The cumulative percent and frequency distribution statistical plots (Figures 2 and 3 respectively) indicate that a "non-normal distribution" of two populations of nickel in soils overlie the survey area. This may be attributed to the combination of variations in underlying rock and variations in the horizon sampled. The graphic backgrounds are 45 and 115 ppm nickel respectively. The arithmetic average is 80 ppm nickel.

The geochemical soil map was contoured using 50 ppm nickel as "background" and 300 ppm as "definitely anomalous". The criteria in picking these values are based mainly upon the results of a soil sample profile taken across the main mineral showing and not on the statistical analysis. The soil profile was done by Barringer Research prior to the commencement of the geochemistry soil survey, and is appended to this report.

The only "definitely anomalous" area consisting of two or more anomalous values, is over and immediately adjacent to the main mineral showing. Another anomaly is based solely upon a single unlikely 3600 ppm value and therefore should be disregarded. Several "probably

FIGURE 2


CUMULATIVE PERCENT FREQUENCY
NICKEL IN P.P.M.
VICTOR CLAIMS.
YALE AREA, NEW WESTMINSTER M.D., B.C.
DECEMBER, 1971
VALUES - P.P.M.
300
250
200
150
100
50
0
99.99 99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.02
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 99.8 99.9 99.99
PERCENT

APPENDIX A

GEOCHEMICAL ASSAYS

FIGURE 3

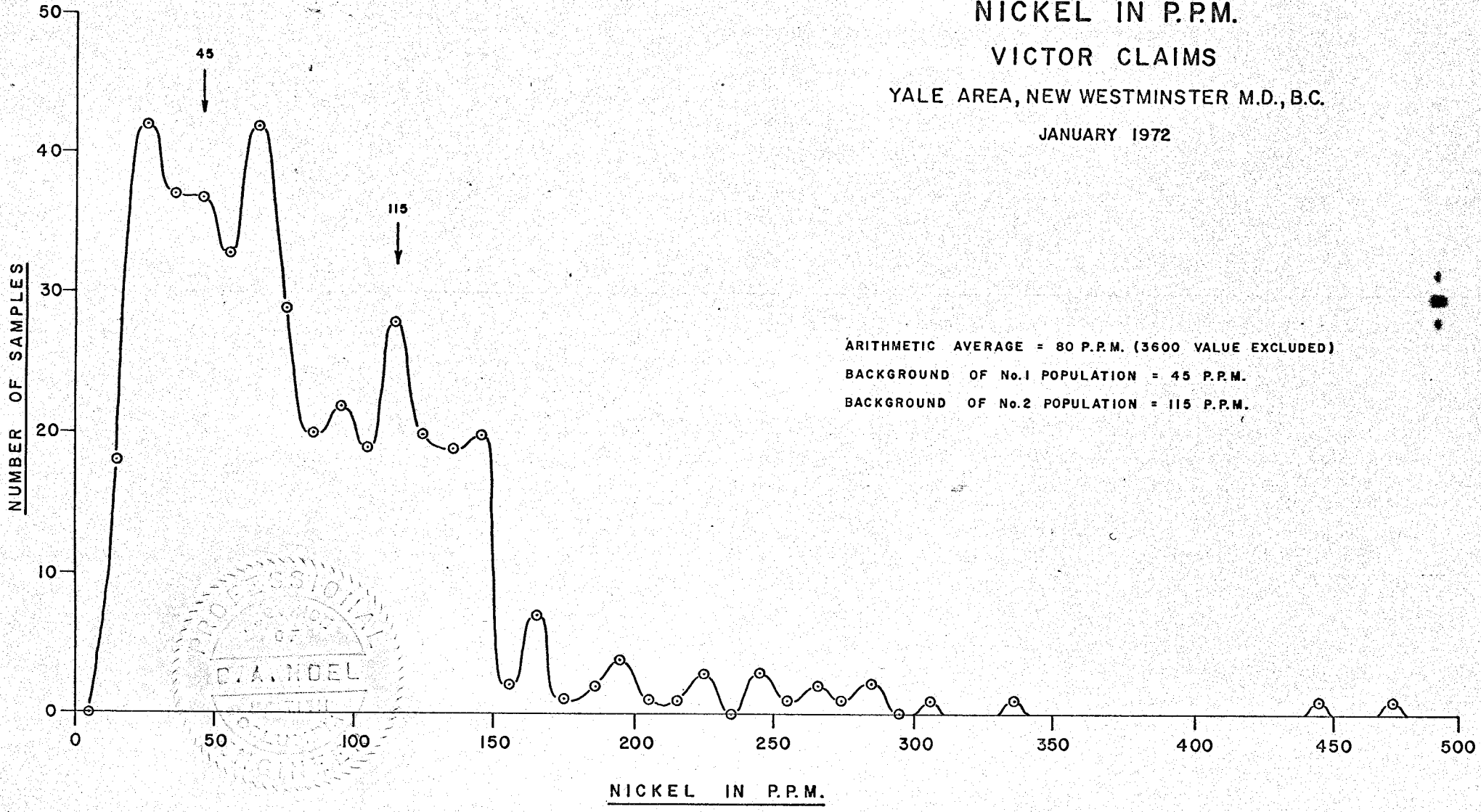
FREQUENCY DISTRIBUTION CURVE

NICKEL IN P.P.M.

VICTOR CLAIMS

YALE AREA, NEW WESTMINSTER M.D., B.C.

JANUARY 1972



ARITHMETIC AVERAGE = 80 P.P.M. (3600 VALUE EXCLUDED)

BACKGROUND OF No.1 POPULATION = 45 P.P.M.

BACKGROUND OF No.2 POPULATION = 115 P.P.M.

anomalous" areas have been outlined. Three of these are supported by two or more "probably anomalous" values and several "possibly anomalous" values and are therefore considered to be valid.

The geochemical trends generally correlate with trends of the magnetometer survey. This is especially noticeable along a 600-foot northwesterly striking zone bounded by the main anomaly over the main showing and by one in the southwest corner of the survey area.

CONCLUSIONS AND RECOMMENDATIONS

The only exposed nickel-copper mineralization of any interest on the Victor claims is restricted to a small showing. The geochemistry and the magnetometer survey results indicate nothing else of definite interest so that the claims do not warrant further investigation.

Bradley Mitchell
Vancouver, B. C.
January 10, 1972

APPENDIX B

GEOCHEMICAL PROFILE

BARRINGER RESEARCH

Geochemical Laboratory

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

DATE November 18, 1971

El Paso Mining & Milling Co.
500-885 Dunsmuir Street,
Vancouver 1, B.C.

Project Victor

Authority: G.A. Noel

REPORT NUMBER 288-B

SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm
50W 35N	135	40W 15S	92	30W 35S	26	20W 40S	58
25N	62	20S	145	40S	54	45S	10
20N	140	25S	73	45S	40	50S	35
5N	150	30S	74	30W 50S	76	10W 50N	15
0N	210	35S	64	20W 50N	63	45N	280
5S	150	40S	60	45N	245	40N	110
10S	305	40W 45S	31	50N	200	35N	175
15S	110	30W 50N	240	35N	140	30N	225
20S	43	45N	81	30N	29	25N	49
25S	100	40N	95	25N	190	20N	115
30S	39	30N	120	20N	140	15N	36
40S	63	20N	65	15N	75	10N	645
50W 50S	100	15N	30	10N	125	5N	110
40W 50N	95	10N	24	5N	63	0N	160
20N	26	5N	62	0N	25	10S	23
15N	62	0N	100	10S	57	15S	57
10N	89	10S 15S	260 60	20S	72	20S	64
5N	105	20S	48	25S	41	25S	48
10S	240	25S	39	30S	66	30S	82
		30S	44	35S	95		

SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm
10W 35S	82	10W 15N	43	20E 20S	51	40E 30N	31
40S	30	10N	69	30S	11	25N	78
45S	15	5N	23	40S	50	15N	54
50S	15	0N	470	45S	48	10N	65
OE 40N	23	5S	110	50S	80	5N	21
35N	18	10S	66	30E 50N	52	0N	165
25N	89	15S	33	40N	96	5S	19
20N	97	20S	67	35N	90	15S	70
15N	44	25S	32	30N	51	25S	220
10N	20	30S	18	25N	24	30S	71
5N	42	35S	82	15N	34	35S	62
0N	445	40S	40	5N	34	40S	125
10S	49	45S	67	0N	21	45S	77
15S	125	50S	31	5S	22	50S	160
20S	130	20E 50N	97	10S	89	50E 40N	36
25S	44	45N	27	15S	66	35N	33
30S	14	40N	125	20S	47	30N	55
35S	26	35N	49	25S	25	25N	53
45S	53	30N	110	30S	130	20N	72
50S	73	25N	23	35S	40	15N	16
10E 50N	34	20N	21	40S	54	10N	61
45N	64	15N	12	45S	94	5N	130
40N	100	10N	25	50S	89	0N	30
30N	53	5N	27	40E 45N	145	5S	24
25N	29	5S	37	40N	92	10S	39
20N	21	10S	32	35N	68	15S	73
		15S	64				

SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm
50E 20S	135	60E 50S	66	80E 20N	71	90E 15S	46
25S	88	70E 50N	73	15N	120	25S	76
30S	100	45N	15	10N	45	30S	65
35S	100	40N	26	5N	40	35S	47
40S	285	35N	54	0N	94	40S	72
45S	260	30N	19	5S	27		
50S	145	25N	29	10S	100		
60E 50N	220	15N	110	15S	140		
45N	195	10N	71	20S	99		
35N	3600	5N	57	25S	40		
30N	48	0N	17	35S	59		
25N	50	5S	195	40S	88		
20N	60	10S	110	45S	63		
15N	98	15S	38	50S	53		
10N	165	20S	145	90E 50N	41		
5N	64	25S	85	45N	32		
0N	23	30S	39	40N	36		
5S	54	35S	93	30N	190		
10S	21	40S	84	25N	165		
15S	87	45S	92	20N	110		
20S	110	50S	97	15N	66		
25S	97	80E 50N	38	10N	58		
30S	120	45N	36	5N	76		
35S	125	40N	20	0N	120		
40S	110	30N	19	5S	110		
45S	79	25N	78	10S	75		

BARRINGER RESEARCH

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

Geochemical Laboratory Report

DATE November 4, 1971

El Paso Mining and Milling,
500-885 Dunsmuir Street,
Vancouver, B.C.

Project: Nictor

Authority: G.A. Noel

REPORT NUMBER 277 B

SAMPLE NUMBER	$HClO_4$ Ni ppm		SAMPLE NUMBER	$HClO_4$ Ni ppm		SAMPLE NUMBER	$HClO_4$ Ni ppm		SAMPLE NUMBER	$HClO_4$ Ni ppm
L100E 5S	86		L110E 25S	58		120E 45S	275		L130E 40S	66
10S	66		L110E 0N	31		120E 0N	100		L130E 0N	44
15S	23		5N	47		5N	66		5N	63
20S	42		10N	62		10N	49		10N	115
25S	58		15N	45		15N	26		15N	115
L100E 0N	41		20N	46		15N	44		20N	25
5N	94		25N	72		20N	88		25N	98
10N	52		30N	335		25N	41		30N	77
15N	72		35N	25		30N	74		35N	39
20N	90		40N	N.S.		35N	50		40N	83
25N	77		45N	34		40N	65		50N	24
30N	93		50N	27		50N	19		L140E 5S	50
40N	34		L120E 5S	45		L130E 5S	34		10S	62
45N	15		10S	83		10S	50		20S	52
50N	10		15S	76		15S	19		25S	36
L110E 5S	44		20S	31		20S	59		30S	34
10S	39		25S	50		25S	180		35S	29
15S	64		30S	160		30S	67		50S	45
20S	36		35S	160		35S	68		L140E 0N	130

186-Ni / Victor Property

Geochemical Laboratory Report

SAMPLE NUMBER	$HClO_4$ Ni ppm	SAMPLE NUMBER	$HClO_4$ Ni ppm
L140E 5N	130	30N	145
10N	54	35N	120
15N	73	40N	51
20N	68	45N	39
25N	145	50N	130
30N	110		
35N	21		
40N	84		
45N	73		
50N	120		
L150E 5S	130		
10S	25		
15S	98		
20S	53		
25S	20		
30S	85		
35S	110		
40S	255		
45S	120		
50S	60		
0N	67		
5N	19		
10N	27		
15N	21		
20N	40		
25N	21		

APPENDIX C

PETROGRAPHIC STUDY

BARRINGER RESEARCH

BARRINGER RESEARCH LIMITED
1170 HORNBY STREET
VANCOUVER, BRITISH COLUMBIA
PHONE: 604-685-4231
CABLE: BARESEARCH VCR
TELEX: 04-507739

Mr. G. Noel,
El Paso Mining and Milling,
500-885 Dunsmuir Street,
Vancouver, B.C.

October 29, 1971

Dear Gerry;

By now you should have received the results for the six geochem samples we took while on your Hope property. The samples were taken above and below the road cut at your 00 point. Samples EP 1 and EP 2 were 20 and 40 feet downslope from the road cut, and although mineralization is evident directly above, it is not indicated in these samples. The soil was a regosol with little horizon development evident. The samples were taken from a depth of 12 to 18 inches. Bedrock was close to the surface. Sample EP 3 was taken directly above the upper road cut and was a profile consisiting of an LH sample taken from a depth of 4 inches, a so called Ae sample taken 18 inches beneath the surface and a B sample taken 18 inches beneath the surface. It is obvious that the sample from the B horzon is most desirable. Sample EP 4 was taken 20 feet further upslope from EP 3, and at a depth of 14 inches. The values don't seem indicative of nickle mineralization yet, but hopefully better values will appear in the survey samples.

There are two soil types on the property, the most prevalent being the brown regosol. Samples should be taken 14 to 18 inches beneath the surface. The second type we encountered once, and consisted of a gray clay layer in the brown soil. The genesis of this clay is unknown. The fellows on the property know what to look for and should have little trouble with sampling errors. I hope the survey goes well.

Yours truly,
BARRINGER RESEARCH LIMITED,

Barry Smee/smr

B.W. SMEE,
Geochemist

BWS/smr

BARRINGER RESEARCH

BARRINGER RESEARCH LIMITED
304 CARLINGVIEW DRIVE
REXDALE, ONTARIO, CANADA
PHONE: 416-677-2491
CABLE: BARESEARCH

Geochemical Laboratory Report

DATE October 26, 1971

El Paso Mining & Milling Co.,
500-885 Dunsmuir Street,
Vancouver, B.C.

Authority: B.W. Smee

REPORT NUMBER 268-B

SAMPLE NUMBER	$HClO_4$ Ni ppm									
EP 1	69									
EP 2	77									
EP 3 Ae	67									
EP 3 B	110									
EP 3 LH	62									
EP 4	90									

186- Ni Victor Property

SPECIMEN SUBMITTED SEPTEMBER ~~1961~~ 1971 TO DR. SIDNEY WILLIAMS DOUGLAS, ARIZONA FOR PETROGRAPHIC STUDY

MEGASCOPIC DESCRIPTION (G. Noel)

VICTOR CLAIMS - MAIN TRENCH

Hornblendite (or pyroxenite ?) with disseminated pyrrhotite and chalcopyrite.

PETROGRAPHIC DESCRIPTION (Dr. Sidney Williams)

Victor Claims, Main Trench

The specimen is an amphibolite which may have been derived from a basic intrusive by mesozonal metamorphism. It consists of large interlocking subhedral to anhedral prisms of Fe-poor hornblende. The interstitial areas are filled with granular quartz and plagioclase (andesine). The plagioclase shows negligible sericitization. Minor amounts of biotite fill voids in the hornblende - these show only incipient chloritization.

Granular pyrrhotite is interstitial to the silicates and appears to be compatible with the metamorphism.

Mineral percentages are estimated as follows: hornblende 70%, plagioclase 10%, quartz 15%, pyrrhotite 4%, biotite 0.5%, and traces of clinochlore and sericite.

WESTERRE ASSOCIATES LIMITED
GEOPHYSICAL & GEOLOGICAL CONSULTANTS
736 OSBORNE STREET WINNIPEG 13, MAN. PHONE (204) 452-3677

- C. D. Anderson, Ph. D., P. Eng.
- D. T. Anderson, Ph. D., P. Eng.
- W. C. Brisbin, Ph. D., P. Eng.
- C. C. Bristol, Ph. D., P. Eng.
- M. G. Holden
- H. D. B. Wilson, Ph. D., P. Eng.

November 10, 1971

Mr. R. E. Maret
Manager of Minerals Development
Husky Oil Limited
815 Sixth Street S.W.
Calgary 2, Alberta

Dear Ray,

I apologize for my delinquency in replying to your request for comments on the Victor Property, Yale, British Columbia. The delay has not been a result of a lack of interest, but rather that I have been extremely busy with University responsibilities, field trips, etc. since the beginning of September, and consequently have had little time for consulting work.

The following comments are based on hand specimen examination, thin section examination and chemical analysis of the samples from the Victor property by H.D.B. Wilson and myself. In addition, I have perused the literature that you enclosed with your letter in August.

1. Ultramafic Rocks

The rock in which the sulphides occur consists of amphibole, plagioclase, biotite, relict pyroxene and sulphides. The rock exhibits good metamorphic texture. Sulphides are interstitial.

2. Rock Analysis

The attached analytical results indicate that the rock in which the sulphide occurs is undoubtedly ultramafic in origin; but that the chemistry of the sample does not fit the "normal" analysis of most

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- D. T. Anderson, Ph. D., P. Eng.
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- C. C. Bristol, Ph. D., P. Eng.
- M. G. Holden
- H. D. B. Wilson, Ph. D., P. Eng.

unaltered ultramafic types. The rock chemistry, coupled with the evidence from the thin sections points to an altered pyroxene peridotite, possibly one in which there has been silica contamination.

Nickel in Sulphides

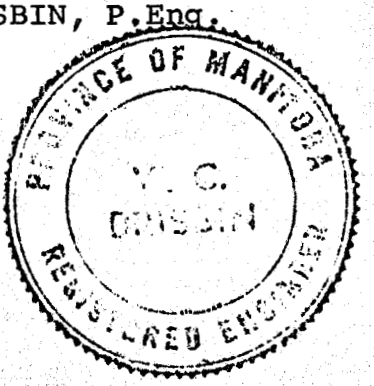
The sulphur:nickel ratio based on the attached chemical analysis has a value of approximately 10. This is sufficiently low to indicate that the interstitial sulphides in the ultramafic material have high nickel concentrations and that any occurrences of massive sulphides on the property should be of good grade.

In summary, the occurrence appears to be one of an altered nickeliferous ultramafic body. The geologic setting suggests an emplacement similar to the Alpine type ultramafic bodies. The sulphur:nickel ratio is sufficiently low to encourage exploration for massive or richly disseminated sulphides associated with this body. The fact that there is considerable evidence for post-emplacement metamorphism suggests that the sulphides may have been remobilized to some degree and could occur as concentrations either within the ultramafic body or within adjacent host rocks.

I am sending, under separate cover, the samples, a thin section and the reports. I am planning to be in Calgary early in December and will attempt to drop in to see you.

Yours very truly,

W.C. BRISBIN, P.Eng.



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• C. C. Bristol, Ph. D., P. Eng.
• M. G. Holden
• H. D. B. Wilson, Ph. D., P. Eng.

CHEMICAL ANALYSIS OF ROCK SAMPLE

VICTOR PROPERTY, YALE, B.C.

SiO_2	51.85
Al_2O_3	6.63
Fe_2O_3	2.87
FeO	9.12
MgO	14.55
CaO	8.58
Na_2O	1.06
K_2O	0.09
H_2O+ } H_2O-	2.01
CO_2	0.84
TiO_2	0.31
S	2.72
CuO	0.12
MnO	0.13
NiO	0.32
Total	101.20

Analyst: K. Ramlal
Date Analysed: August 27,1971

APPENDIX D

STATEMENT OF COSTS

STATEMENT OF COSTS

Wages

J. Noel	24 days	Oct. 19 - Nov. 13, 1971	@ $500/month	$ 400
M. Moret	24 days	Oct. 19 - Nov. 13, 1971	@ $525/month	420
B. Mitchell	19 days	Oct. 30 - Nov. 20, 1971	@ $850/month	540
J. Ruza	19 days	Oct. 30 - Nov. 20, 1971	@ $575/month	364
R. Wellwood	8 days	Nov. 7 - Nov. 15, 1971	@ $600/month	160
D. LePatourel	8 days	Nov. 7 - Nov. 15, 1971	@ $550/month	147
				$2,031

Total Wages	$ 2,031
Leased Vehicles	300
Room and Board (102 man days at $13/day)	1,326
Geochemical Analyses (373 sample - Ni)	654.80
	$ 4,311.80

Declared before me at the City of Vancouver, in the Province of British Columbia, this 9 day of February 1972, A.D.

A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

Sub-mining Recorder

APPENDIX E

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Bradley R. Mitchell of 2991 Mathers Avenue, West Vancouver, B. C. do certify that:

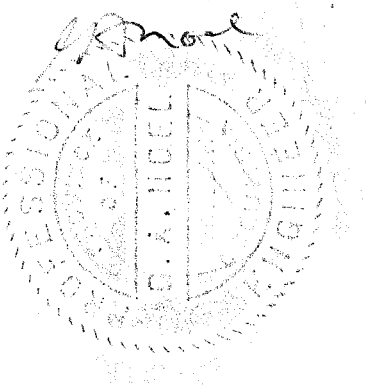
1. I have been intermittently employed in mining exploration work from 1955 to 1965.

2. I have two years of Applied Science training at the University of British Columbia.

3. I am a graduate of the University of British Columbia B. Sc. 1966 (Geophysics major, Geology minor).

4. I have been employed as a petroleum exploration geophysicist by Mobil Oil Canada Ltd. for 4 years.

5. I have been employed as a geologist by El Paso Mining and Milling Company for 1 year.



LEGEND

800 - 900 GAMMAS	ANOMALOUS (Positive)
700 - 800 "	ANOMALOUS (Positive)
600 - 700 "	PROBABLY ANOMALOUS
500 - 600 "	ABOVE REGIONAL BACKGROUND
400 - 500 "	REGIONAL BACKGROUND
300 - 400 "	BELOW REGIONAL BACKGROUND
0 - 300 "	PROBABLY ANOMALOUS
<0 GAMMAS (0 to -400)	ANOMALOUS (Negative)

SURVEY RELIABILITY (Expected Error Range)

1. Survey diurnally corrected
2. Approx. 5% of plotted values may be in error by ± 100 gammas (transient noise)
   Approx. 20% of plotted values may be in error by ± 50 gammas (transient noise)
   Approx. 70% of plotted values may be in error by ± 10 gammas (intrument sensitivity)
3. The plotted positive anomalies can be expected to be reliable when they are supported by more than one line of plotted values and an adjacent negative anomaly

MAP No. 3

TO ACCOMPANY GEOCHEMICAL, GEOPHYSICAL REPORT BY B. MITCHELL, ON THE VICTOR CLAIMS, YALE AREA, NEW-WESTMINSTER MINING DIVISION, DATED JAN. 10, 1972

Signatures

FIELD WORK BY B. MITCHELL, NOVEMBER 1971

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

MAGNETOMETER SURVEY

VICTOR CLAIMS
YALE AREA, NEW WESTMINSTER M.D., B.C.

DRAWN BY	B.M.	DATE	NOV. 1971	SCALE 1" = 100'
TRACED BY	K.L.J.	DATE	DEC. 1971	
REVISED	DATE	REVISED	DATE	DRAWING No 92 H 11 - A3

LEGEND

CONTOUR INTERVAL 100, 200, 300, 1000, 2000 & 3000 P.P.M.
BACKGROUND 50 P.P.M.

- POSSIBLY ANOMALOUS 100 - 200 P.P.M.
- PROBABLY ANOMALOUS 200 - 300 P.P.M.
- DEFINITELY ANOMALOUS > 300 P.P.M.

MAP No. 2

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

GEOCHEMICAL SOILS

NICKEL IN P.P.M.

VICTOR CLAIMS

YALE AREA, NEW WESTMINSTER M.D., B.C.

DRAWN BY	B.M.	DATE	NOV. 1971	SCALE 1" = 100'
TRACED BY	K.L.J.	DATE	DEC. 1971	
REVISED	DATE	REVISED	DATE	DRAWING No. 92 H 11 - A2

TO ACCOMPANY GEOCHEMICAL, GEOPHYSICAL REPORT
BY B. MITCHELL, ON THE VICTOR CLAIMS, YALE AREA,
NEW WESTMINSTER MINING DIVISION, DATED JAN. 10, 1972

FIELD WORK BY B. MITCHELL, NOVEMBER 1971

LEGEND

2 — GABBRO & PYROXENITES

1 — META DIORITES, HORNBLENDE BIOTITE SCHISTS, GARNET SCHISTS, PEGMATITE AND QUARTZ - FELDSPAR VEINS

SYMBOLS

- ATTITUDE OF BEDDING
- ATTITUDE OF FAULT OR SHEAR
- ATTITUDE OF JOINT
- ATTITUDE OF FOLIATION
- CONTACT
- OUTCROP
- BULLDOZER CUT
- CHIP SAMPLE showing assay %Ni/%Cu / feet

VICTOR No. 6

VICTOR No. 3

VICTOR No. 4

VICTOR No. 1

VICTOR No. 2

L 140 E
L 120 E
L 100 E
L 80 E
L 60 E
L 40 E
L 20 E
L 0
L 20 W
L 40 W

50 N
40 N
30 N
20 N
10 N
0 BASE LINE
10 S
20 S
30 S
40 S
50 S

ROAD
LOGGING ROAD (MAIN ACCESS)

Minor Ni-Cu Sulphides

Ni-Cu BEARING

FAULT OR SHEAR ZONE

Ni-Cu SULPHIDES

.27/.21 / 3'
.50/.23 / 5'
.42/.25 / 7'
.22/.19 / 6'

8,000 E
9,000 E
10,000 E
11,000 E
12,000 E
13,000 E

8,000 N
9,000 N
10,000 N
11,000 N
12,000 N
13,000 N

M-2

3492

MAP No. 1

EL PASO MINING AND MILLING COMPANY
DEL NORTE MINING GROUP

GEOLOGY

VICTOR CLAIMS

YALE AREA, NEW WESTMINSTER M.D., B.C.

DRAWN BY: B.M.	DATE: NOV. 1971		SCALE:	1" = 100'
TRACED BY: K.L.J.	DATE: DEC. 1971			
REVISED	DATE	REVISED DATE	DRAWING No.:	92 H 11 - A1

TO ACCOMPANY GEOCHEMICAL, GEOPHYSICAL REPORT BY B. MITCHELL, ON THE VICTOR CLAIMS, YALE AREA, NEW WESTMINSTER MINING DIVISION, DATED JAN. 10, 1972

B. Mitchell — J. D. Mark P. Eng.

FIELD WORK BY B. MITCHELL, NOVEMBER 1971