

83-#327-#11590

REPORT ON SOIL SURVEY

ON

SV #9 AND #3 CLAIMS

Kamloops Mining Division
British Columbia

Map 92I/6E

Latitude $50^{\circ} 22' N$
Longitude $121^{\circ} 02' W$

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

FOR

11,590

NORSEMONT MINING CORPORATION

BY

LIVGARD CONSULTANTS LTD.

JULY 1983

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INTRODUCTION

A soil survey was carried out under the writer's supervision on part of Norse #1, SV #9, SV #3 mineral claims during the last two weeks of May 1983 at the request of the owner of the claims, Norsemont Mining Corp.

The objective of the survey was to check on previous anomalous copper values obtained by Rio Tinto in 1967.

CONCLUSIONS

The survey disclosed no anomalous copper values in the soil in the survey area. This is contrary to the results obtained by Rio Tinto in 1967. The difference is unexplained.

PROPERTY AND LOCATION

SV #1	Record No. 689	with 20 units
SV #2	Record No. 690	with 15 units
SV #3	Record No. 691	with 16 units
SV #4	Record No. 692	with 12 units
SV #5	Record No. 693	with 20 units
SV #6	Record No. 696	with 3 units
SV #8	Record No. 1795	with 5 units
SV #9	Record No. 1796	with 16 units
SV #10	Record No. 1797	with 2 units
SV #12		with 18 units
SV #13		with 18 units
Norse #1		with 12 units

TOTAL 157 units

The claims are contiguous and extend over 7,000 meters north-south from the junction of Skubost and Skuhun Creek, and north to the south boundary of the Lornex claims at a point about 2,200 meters south and east of Pemainus Lake.

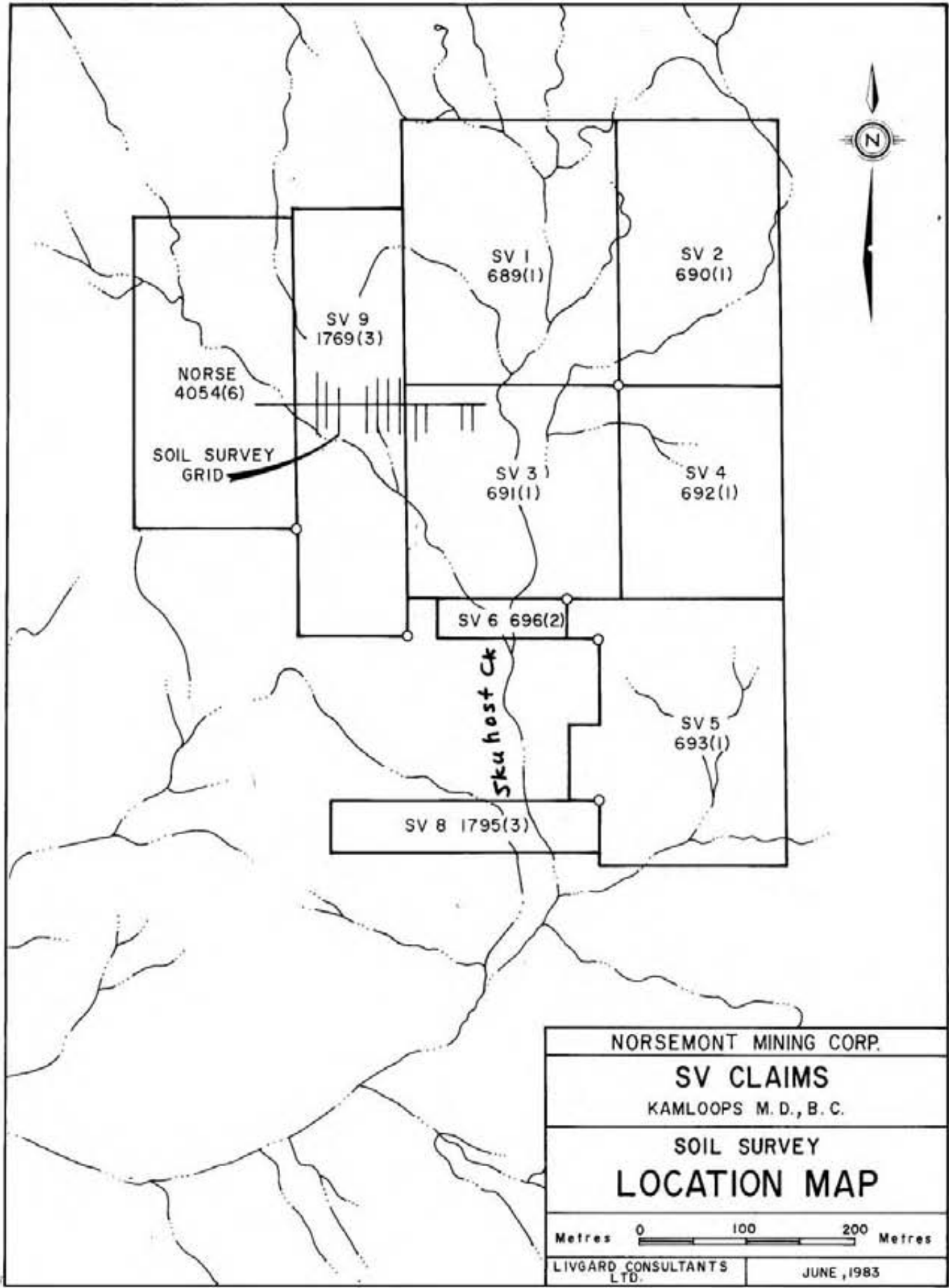
The claims are in the Kamloops Mining Division on Map Sheet 921/6E and are in the name of Norsemont Mining Corporation.

ACCESS

The claims can best be reached from the Merritt-Spencers Bridge Highway. A good dirt road leaves this highway at a point 22.5 km south of Spence's Bridge. The dirt road extends eastward 16 km to the claim ground and northward on the east side of Skuhost Creek across the claims. About 7,250 meters of drill access road have been built to various parts of the property.

TOPOGRAPHY

The lowest part of the claims is on the southern end of the Skuhun-Skuhost junction where the elevation is about 1,000 meters. Skuhost Creek bisects the property and the slopes both east and west are moderate to steep (32°). Several flat gravel benches are found in the valley. The slope to the east reaches a plateau at 1,500 meter elevation. There is a corresponding plateau on the west side at an elevation of about 1,600 meters.



NORSE
4054(6)

SOIL SURVEY
GRID

SV 9
1769(3)

SV 1
689(1)

SV 2
690(1)

SV 3
691(1)

SV 4
692(1)

SV 6
696(2)

Skuhost Ck

SV 5
693(1)

SV 8
1795(3)

NORSEMONT MINING CORP.

SV CLAIMS

KAMLOOPS M. D., B. C.

SOIL SURVEY
LOCATION MAP

Metres 0 100 200 Metres

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LTD.

JUNE, 1983

HISTORY

The claim ground has been staked several times in the past and various types of surveys were carried out on a variety of claims on parts of the present SV claims.

On the east plateau, mainly on the present SV #4 Claim, survey upon survey was carried out.

Assessment Report 500	I.P. Survey
Assessment Report 1081	Fracture Density
Assessment Report 1828	Magnetic Survey
Assessment Report 2327	Techtonic Aerial Survey
Assessment Report 3193	Mag and EM Survey
Assessment Report 3728	Mag and EM Survey
Assessment Report 4328	Mag Survey

All these surveys essentially discovered nothing.

On the south end of the claims Cominco carried out an IP survey and minor geochemical soil surveys. The IP survey, Assessment Report 2085, showed low resistivity along the creeks.

A magnetic survey, Assessment Report 3187, shows a low magnetic response covering the south end of Skuhost Creek.

On the northern part of the claims, SV #1 and #2, an IP survey, Assessment Report 1898, shows scattered areas of + 3.0 milliseconds chargeability response. The best "anomaly" occurs in an area now known to have 200-300 feet no response.

SURVEY

Grid and Sampling

The grid was established using a Silva Compass and a Hip Chain. The baseline was run 2200 m west from a point 150 m south and 1250 m west of the legal corner post of SV #3 claim. The baseline was flagged and stations marked every 100 m.

Eleven survey lines were run north-south, most of them for 500 m on either side of the baseline. Nine (9) km of line was surveyed.

Samples were taken from the "B" horizon at 50 m intervals along the survey lines. Each station was marked with flagging denoting the grid station.

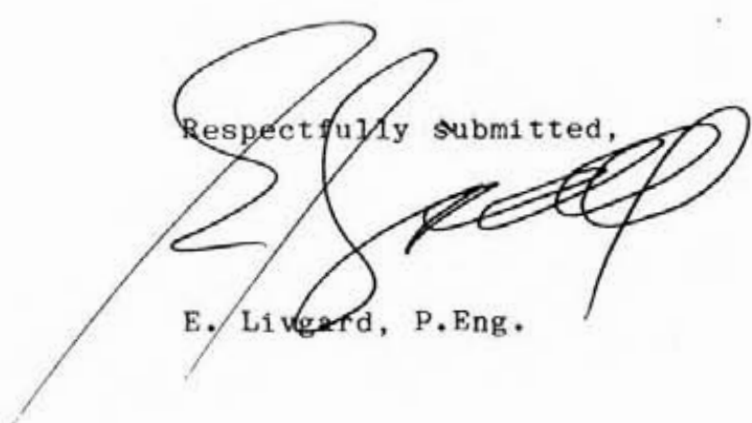
SAMPLE ANALYSIS

The samples were analyzed by General Testing Laboratories. The samples were dried and screened to minus 80 mesh. A one gram sample was taken. The sample was leached with Aqua Regia 10 mill nitric and 5 mill hydrochloric acid. Analysis was made using Atomic Absorption Spectro Photometer.

ANOMALOUS CONDITIONS

No anomalous copper content was noted in the soil in the survey area.

Respectfully Submitted,



E. Livgard, P.Eng.

Vancouver, B.C.

5 July 1983

11,590

NORSEMONT MINING CORP.

SV CLAIMS

KAMLOOPS M. D., B. C.

SOIL SURVEY

COPPER IN PPM

- 5+00 N

- 4+00 N

- 3+00 N

- 2+00 N

- 1+00 N

- 1+00 S

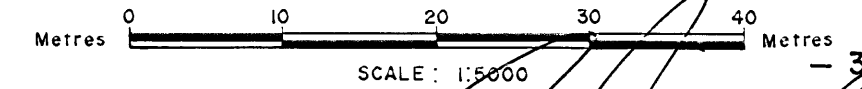
- 2+00 S

- 3+00 S

- 4+00 S

- 5+00 S

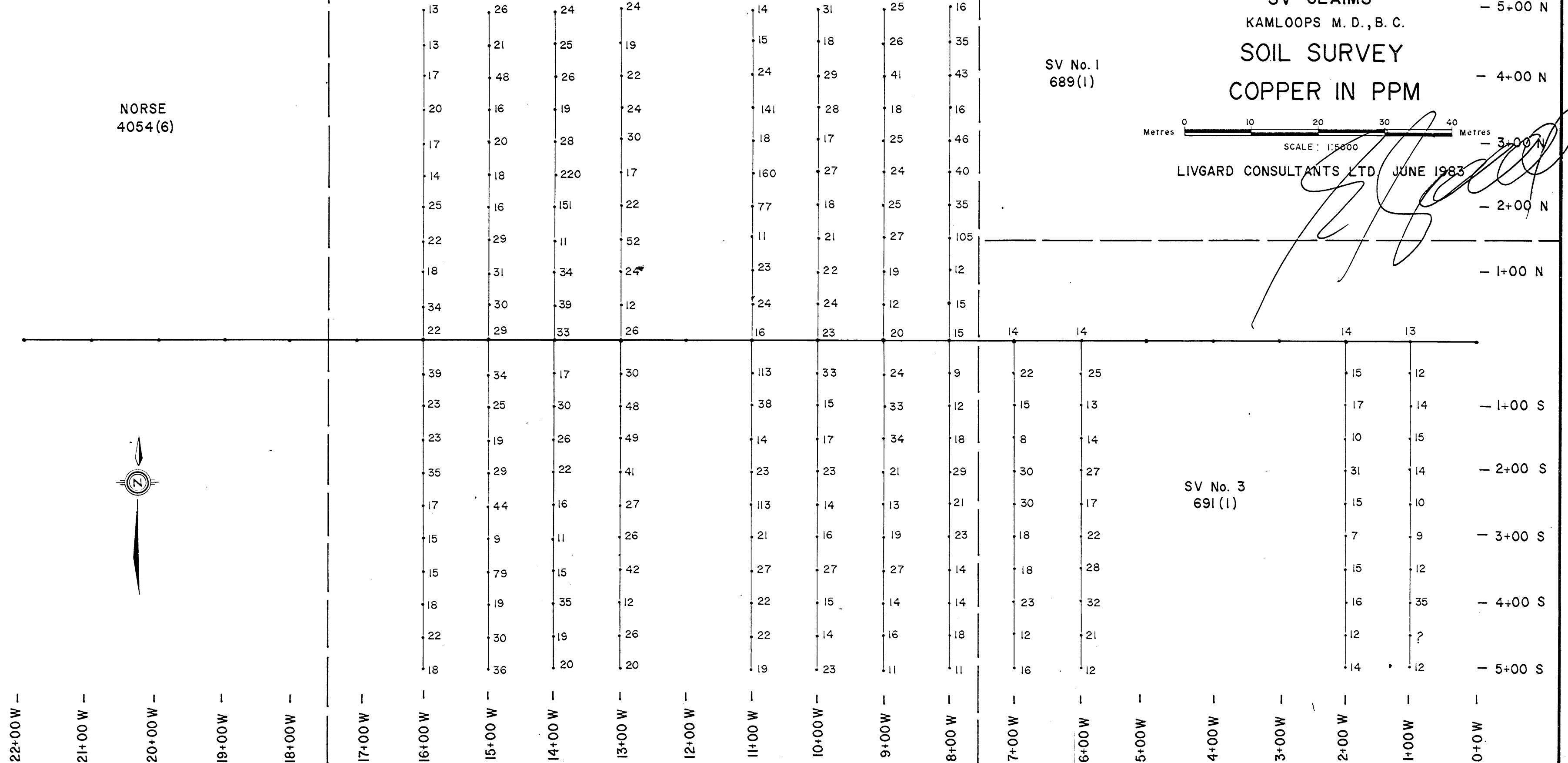
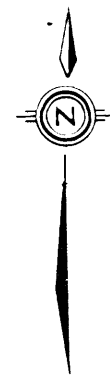
SV No. 1
689(1)



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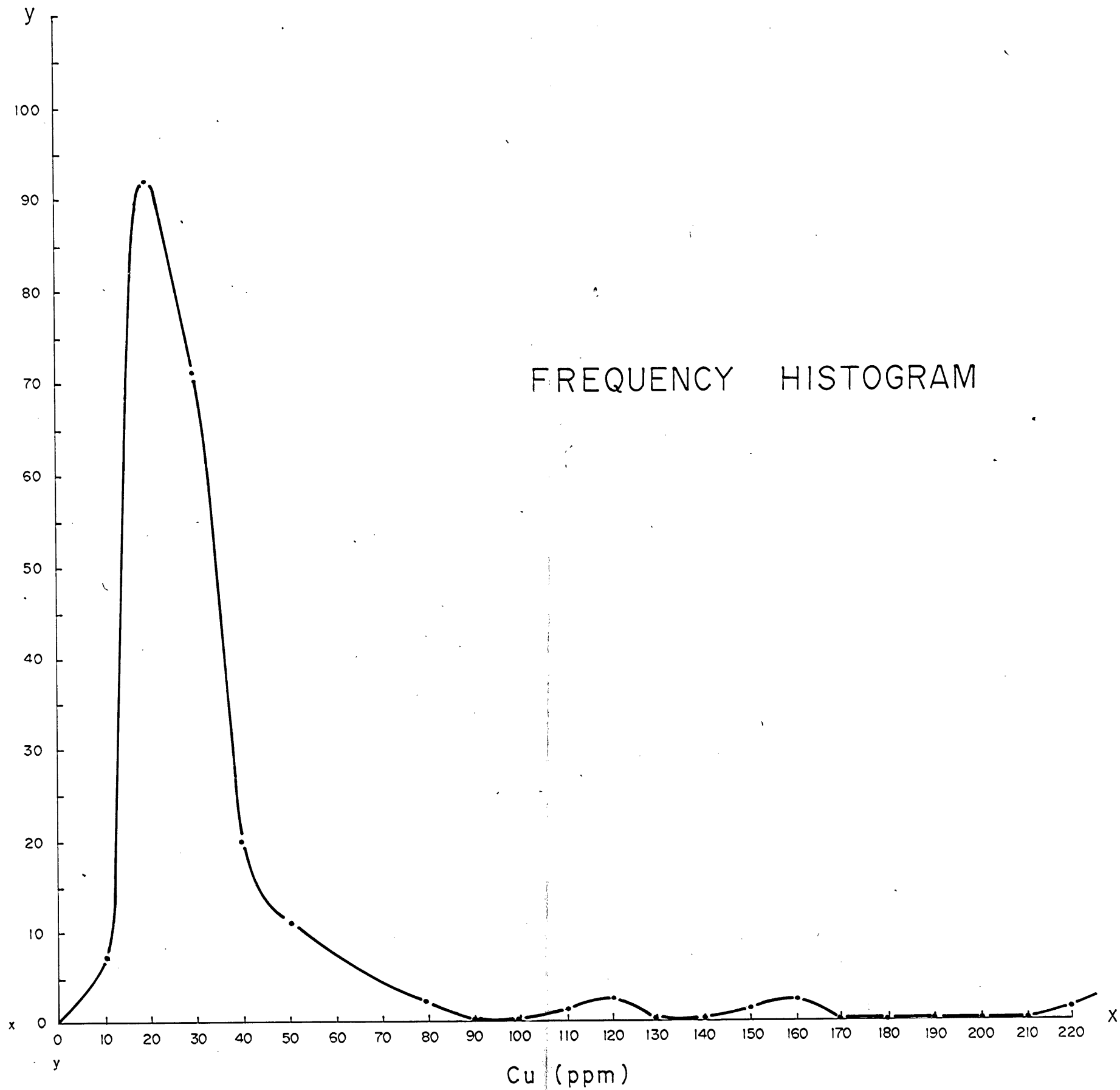
SV No. 9
1796 (3)

NORSE
4054(6)



11,590

FREQUENCY



APPENDIX I
CERTIFICATE OF ASSAY
GENERAL TESTING LABORATORIES

798-75

General Testing Laboratories
A Division of SGS Supervision Services Inc.

1001 EAST PENDER ST., VANCOUVER, B.C., CANADA, V6A 1W2
PHONE (604) 254-1847 TELEX 04-507514 CABLE: SUPERVISE



TO:
NORSEMONT MINING CORP.
717 - 837 West Hastings St.,
Vancouver, B.C.
V6C 1B6

CERTIFICATE OF ASSAY

No.: **8306-2056** DATE: **June 24/83**

We hereby certify that the following are the results of assays on: **Soil sample**

MARKED	XXXXXXXXXXXX		Copper	XXX	XXXX	XXX	Sample Marked	Copper
			Cu (ppm)					Cu (ppm)
BL1+00W			13				6+00W	
1+00W							4+00S	32
0+50S			12				4+50S	21
1+00S			14				5+00S	12
1+50S			15				BL7+00W	14
2+00S			14				7+00W	
2+50S			10				0+50S	22
3+00S			9				1+00S	15
3+50S			12				1+50S	8
4+00S			35				2+00S	30
5+00S			12				2+50S	30
BL2+00W			14				3+00S	18
2+00W							3+50S	18
0+50S			15				4+00S	23
1+00S			17				4+50S	12
1+50S			10				5+00S	16
2+00S			31				BL8+00W	15
2+50S			15				8+00W	
3+00S			7				0+50N	15
3+50S			15				1+00N	12
4+00S			16				1+50N	105
4+50S			12				2+00N	35
5+00S			14				2+50N	40
BL6+00W			14				3+00N	46
6+00W							3+50N	16
0+50S			25				4+00N	43
1+00S			13				4+50N	35
1+50S			14				5+00N	16
2+00S			27					
2+50S			17					
3+00S			22					
3+50S			28					

/ Continued on page 2

*NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORE FOR A MAXIMUM OF ONE YEAR.

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L. Wong
PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Oil Chemists Society • Canadian Testing Association
REFEREE AND/OR OFFICIAL CHEMISTS FOR: National Institute of Oilseed Products • The American Oil Chemists' Society



TO: **NORSEWANT MINING CORP.**
717 - 837 West Hastings St.,
Vancouver, B.C.

..... PAGE 8

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 PHONE (604) 254-1647 TELEX 04-507514 CABLE SUPERVISE

CERTIFICATE OF ASSAY

No.: **8306-2056** DATE: **June 24/83**

We hereby certify that the following are the results of assays on: **Soil samples**

MARKED	XXXXXXXXXXXX		Copper	XXX	XXX	XXX	Sample	Copper
			Cu (ppm)				Marked:	Cu (ppm)
8+00W							BL10+00W	23
0+50B			9				10+00W	
1+00B			12				0+50S	33
1+50B			18				1+00S	15
2+00B			29				1+50S	17
2+50B			21				2+00S	23
3+00B			23				2+50S	14
3+50B			14				3+00S	16
4+00B			14				3+50S	27
4+50B			18				4+00S	15
5+00B			11				4+50S	14
BL9+00W			20				5+00S	23
9+00W							0+50W	24
0+50B			24				1+00W	22
1+00B			33				1+50W	21
1+50B			34				2+00W	18
2+00B			21				2+50W	27
2+50B			13				3+00W	17
3+00B			19				3+50W	28
3+50B			27				4+00W	29
4+00B			14				4+50W	18
4+50B			16				5+00W	31
5+00B			11				BL11+00W	16
0+50W			12				11+00W	
1+00W			19				0+50W	113
1+50W			27				1+00W	38
2+00W			25				1+50W	14
2+50W			24				2+00W	23
3+00W			25				2+50W	113
3+50W			18				3+00W	21
4+00W			41				3+50W	27
4+50W			26					
5+00W			25					

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[Signature]
L. Wong
 PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

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TO:
WORSHPONT MINING LTD.
 PAGE 3

CERTIFICATE OF ASSAY

No.: **8306-2056** DATE: **June 24/83**

We hereby certify that the following are the results of assays on:

Soil samples

MARKED					Sample Marked:	Copper Cu (ppm)
<u>11+00V</u>					<u>13+00V</u>	
4+00H					4+50B	26
4+50H					5+00B	20
5+00H					BL14+00W	33
0+50B					<u>14+00V</u>	
1+00B					0+50H	39
1+50B					1+00H	34
2+00B					1+50H	11
2+50B					2+00H	151
3+00B					2+50H	220
3+50B					3+00H	28
4+00B					3+50H	19
4+50B					4+00H	26
5+00B					4+50H	25
					5+00H	24
BL13+00W					0+50B	17
<u>13+00V</u>					1+00B	30
0+50H					1+50B	26
1+00H					2+00B	22
1+50H					2+50B	16
2+00H					3+00B	11
2+50H					3+50B	15
3+00H					4+00B	35
3+50H					4+50B	19
4+00H					5+00B	20
4+50H					BL15+00W	29
5+00H					<u>15+00V</u>	
0+50B					0+50H	30
1+00B					1+00H	31
1+50B					1+50H	29
2+00B					2+00H	16
2+50B						
3+00B						
3+50B						
4+00B						

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 PHONE (604) 254-1847 TELEX 04-507514 CABLE: SUPERVISE

TO: **HOSEPOORT MINING LTD.**

.... PAGE 4

CERTIFICATE OF ASSAY

No.: **8306-2056** DATE: **June 24/83**

We hereby certify that the following are the results of assays on: **Soil sample**

MARKED	XXXXXXXXXXXX		Copper Cu (ppm)	XXX	XX	XXX	Sample Marked:	Copper Cu (ppm)
	GOLD	SILVER						
<u>15+00W</u>							<u>16+00W</u>	
2+50H			18				2+50H	17
3+00H			20				3+00H	15
3+50H			16				3+50H	15
4+00H			48				4+00H	18
4+50H			21				4+50H	22
5+00H			26				5+00H	18
0+50H			34					
1+00H			25				BL22+00W	18
1+50H			19					
2+00H			29					
2+50H			44					
3+00H			9					
3+50H			79					
4+00H			19					
4+50H			30					
5+00H			36					
<u>BL16+00W</u>			22					
<u>16+00W</u>								
0+50H			34					
1+00H			18					
1+50H			22					
2+00H			25					
2+50H			14					
3+00H			17					
3+50H			20					
4+00H			17					
4+50H			13					
5+00H			13					
0+50H			39					
1+00H			23					
1+50H			23					
2+00H			35					

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APPENDIX II
COST DECLARATION

COST DECLARATION

<u>Dag Livgard</u> - survey		
8 days (including 2 days and travel)		
8 days @ \$80/day		\$ 640.00
<u>Kevin Lonsdale</u> - survey		
8 days (including 2 days travel)		
8 days @ \$ 60/day		480.00
<u>Egil Livgard, P.Eng.</u>		
Report and Maps		
2 days @ \$300/day		<u>600.00</u>
		\$1,720.00

Expenses:

Gas	\$ 63.25	
Accommodation	143.10	
Food	103.63	
Supplies	<u>112.14</u>	422.12
Map Drafting	\$ 150.00	
Typing & Miscellaneous	50.00	
Analysis of Samples	<u>795.00</u>	<u>995.00</u>
TOTAL COST:		<u>\$3,137.12</u>

APPENDIX III

PERSONNEL

PERSONNEL

DAG LIVGARD

7 summers varied field experience for
Livgard Consultants Ltd.

KEVIN LONSDALE

No experience

TIME OF SURVEY:

May 26, 27, 28, 29, 30, 1983
June 1, 2, 3, 1983

APPENDIX IV

RIO TINTO SOIL RESULTS WITH APPROX. LOCATION
OF 1983 GRID

APPENDIX V

CERTIFICATE, E. LIVGARD, P.Eng.

LIVGARD CONSULTANTS LTD.

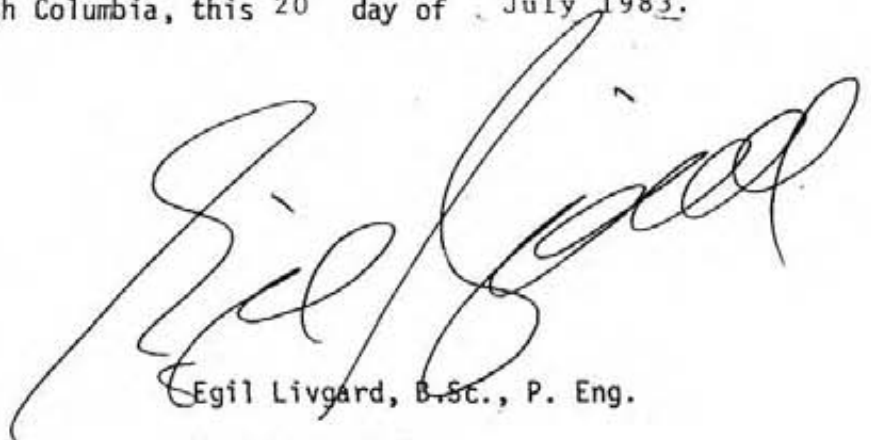
VANCOUVER, B.C.

CERTIFICATE

I, EGIL LIVGARD, of 1990 King Albert Avenue, Coquitlam, British Columbia:

1. I am a consulting geological engineer.
2. I am a graduate of the University of British Columbia, B.Sc., 1960. Geological Science.
3. I am a Member of the Association of Professional Engineers of the Province of British Columbia.
4. From 1960 to 1970 I was engaged in mining and exploration geology in Canada and Norway for various companies, and since that time I have been a consultant to the Mining Industry in B.C.
5. My report is based on the personal examination of the property and on information compiled from materials as referred to in the report.
6. I am a Director of Norsemont Mining Corporation and I own 84,000 common shares beneficially.

DATED at Vancouver, British Columbia, this 20 day of July 1983.



Egil Livgard, B.Sc., P. Eng.

Vancouver, B.C.