

82F/10W

GEOCHEMICAL AND GEOLOGICAL REPORT	
ON ^{FLY} NORM GROUP ^{NELWAY MINES LTD.}	
82F-10	Crawford Bay Area ^{(eastern side of}
	Slocan M.D. ^{Elk Mt. Group)}
Latitude 49° 43'	Longitude 116° 48'
November 18, 1967	C.J. Coveney, P. Eng.

12419

1249

I, THE UNDERSIGNED, HEREBY state that the work entailed in this report was done in the period November 11th, 12th, and 13th, 1967.

Mr. C. Coveney, P. Eng., in company with two men, climbed to approximately 1200 ' above Kootenay Lake and mapped and took Geo chemical samples on the Les-Ann claim. The cost involved was as follows:

Professional services	\$ 225.00
2 men for 48 hrs. @ \$2.50 per hour	120.00
1,000 miles travel, meals and accommodations	155.00
	<hr/>
TOTAL	\$ 500.00
	<hr/>

This work was performed over very difficult terrain, on a mountainside of approximate 35° slope.

Signed this 21st day of May, A.D. 1968.

Nelway Hines Ltd
N. Jacoby

NORBERT JACOBY,
Managing Director.

SWORN before me at Municipality of Burnaby, in the Province of British Columbia, this 21st day of May, 1968.





HAROLD CHIVERS
NOTARY PUBLIC

C. J. Coveney & Associates

CONSULTING GEOLOGISTS
4024 DELBROOK AVE., N. VANCOUVER B.C.
TELEPHONE 988-1469

GEOCHEMICAL AND GEOLOGICAL REPORT

ON

NORM GROUP

Crawford Bay Area

Slocan M.D.

Latitude 49° 43' Longitude 116° 48'

by

C. J. Coveney, P. Eng.

for

Nelway Mines Ltd.

Optionee of Elda A. McGregor

Crawford Creek, B.C.

Vancouver, B.C.

November 18, 1967.



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C. J. Cooney & Associates

CONSULTING GEOLOGISTS
4024 DELBROOK AVE., N. VANCOUVER B.C.
TELEPHONE 988-1469

November 88, 1967.

Mr. N. Jacoby,
c/o Nelway Mines Ltd.,
#13 - 5901 East Broadway,
Burnaby 2, B.C.

Dear Sir:

RE: NORM GROUP MINERAL CLAIMS
CRAWFORD BAY AREA
SLOCAN M.D.

INTRODUCTION

On November 2, 1967, accompanied by N. Jacoby, I examined the Norm Group of mineral claims. I revisited the property again on November 11, 1967, accompanied by M. Jacoby and a helper in order to take a number of soil samples.

CLAIMS

The property, comprising 13 claims, is located in the Crawford Bay area in the Slocan M.D. of southern British Columbia. The geographical location is approximately 49° 43' N Latitude and 116° 48' Longitude. The showing is at an elevation of 2200 feet. (See Figures 1 and 2.)

<u>CLAIM</u>	<u>TAG NUMBER</u>	<u>RECORD NUMBER</u>	<u>RECORDING DATE</u>	<u>EXPIRY DATE</u>
Norm 1	609791	8638	15 April 1966	15 April 1968
Norm 2	609792	8639	"	"
Norm 3	609793	8640	"	"
Norm 4	609794	8641	"	"
Norm 5	609806	8666	28 April 1966	28 April 1968
Norm 6	609807	8667	"	"
Norm 7	609804	8668	"	"

CLAIM	TAG NUMBER	RECORD NUMBER	RECORDING DATE	EXPIRY DATE
Norm 8	609805	8669	28 April 1966	28 April 1968
Norm 9	609800	8670	28 April 1966	28 April 1968
Norm 10	609801	8671	"	"
Norm 11	609802	8672	"	"
Norm 12	609803	8673	"	"
Les-Ann	283835	6952	19 May 1964	19 May 1968

MINERALIZATION

The workings, which consist of a 20 foot open-cut, are on a steep sidehill near the hangwall of a grey-white crystalline limestone band that strikes N 5° E and dips 45° to the south-east. (See Figure 3.) No contact was seen with the overlying quartzites but considerable quartzite float was observed on the hillside above the open-cut. The limestone band is approximately 60 - 70 feet in thickness and is conformably underlain by a 60 foot band of micaceous schist below which occurs another thick limestone bed.

The main sulphide is galena which occurs as a narrow 5" - 12" vein parallel to the bedding in the limestone and also on a 8" - 12" cross fracture that strikes N 60° west and dips 65 - 75° to the north-east. (See Figure 2.) The vein material is heavily rusted. In the face of the cut, the vein which parallels the bedding is only about 5 inches in thickness and it appears to be slightly offset on the northeast side of the cross fracture. The width of the vein here is about 12" and in a length of 5 feet it stops against another cross-break. No mineralization was seen on the northeast side of the second break neither in the cut nor in the surface limestone exposures.

Another narrow vein paralleling the limestone bedding was observed about 6 - 10 feet above the first vein but no work has been done on the vein. Again, the vein material is heavily oxidized.

The property, as it now stands, is not an attractive venture but the possibility exists that the mineralization may represent leakage

from a buried ore body with the northwest trending fracture acting as a feeder channel.

GEOCHEMICAL

On November 11th, M. Jacoby, myself and a helper took 33 soil samples above the showing. The samples were taken more or less on a grid pattern as shown on Figure 4 using the "B" horizon. The samples were taken from 3" to 12" below the surface and the material sampled was reddish-brown in color. The holes from which the samples were taken were dug with a shovel and the samples taken with a stainless steel spoon and placed in a waterproof bond paper geochemical sample bag and each sample labelled and sent to the Chemex Lab. Ltd. of North Vancouver for analysis. A copy of the Certificate of Analysis is attached. The analytical technique consists of:

- (1) The samples are sorted, recorded and dried at 80°C.
- (2) The dried samples are screened to -80 fraction on a nylon, stainless steel sieve.
- (3) $\frac{1}{2}$ gram of the -80 fraction is weighed into a test tube and digested with aqua regia.
- (4) The digested samples are diluted to a 25 ml. volume with demineralized water and thoroughly mixed.
- (5) The Ag, Pb, Zn and Cu are analyzed in aqueous solution by a Techtron AA-3 atomic absorption unit. The detection limits in soils and stream sediments are $\frac{1}{2}$ - p.p.m. for Ag; 1 - p.p.m. for Pb; 1 - p.p.m. for Zn and 5 - p.p.m. for Cu.

In Figure 4 I have shown the anomalous readings for Pb, Zn and Cu. For Pb readings above 5 - p.p.m. were taken as anomalous; above 30 - p.p.m. for Cu and above 65 - p.p.m. for Zn.

Due to the nature of the ground we were not able to take all the samples we would have liked. Nevertheless, sufficient samples were taken to indicate possible anomalous conditions but to accurately outline an anomalous area would require a much more extensive soil sampling program.

RECOMMENDATIONS

Rather than Nelway Mines undertaking such a program, I would

suggest the possibilities of such a program being brought to the attention of the mining company that has expressed an interest in the property.

Respectfully submitted,


C.J. COVENEY, P. Eng.

CJC:fmc

Encl: 4



CERTIFICATION

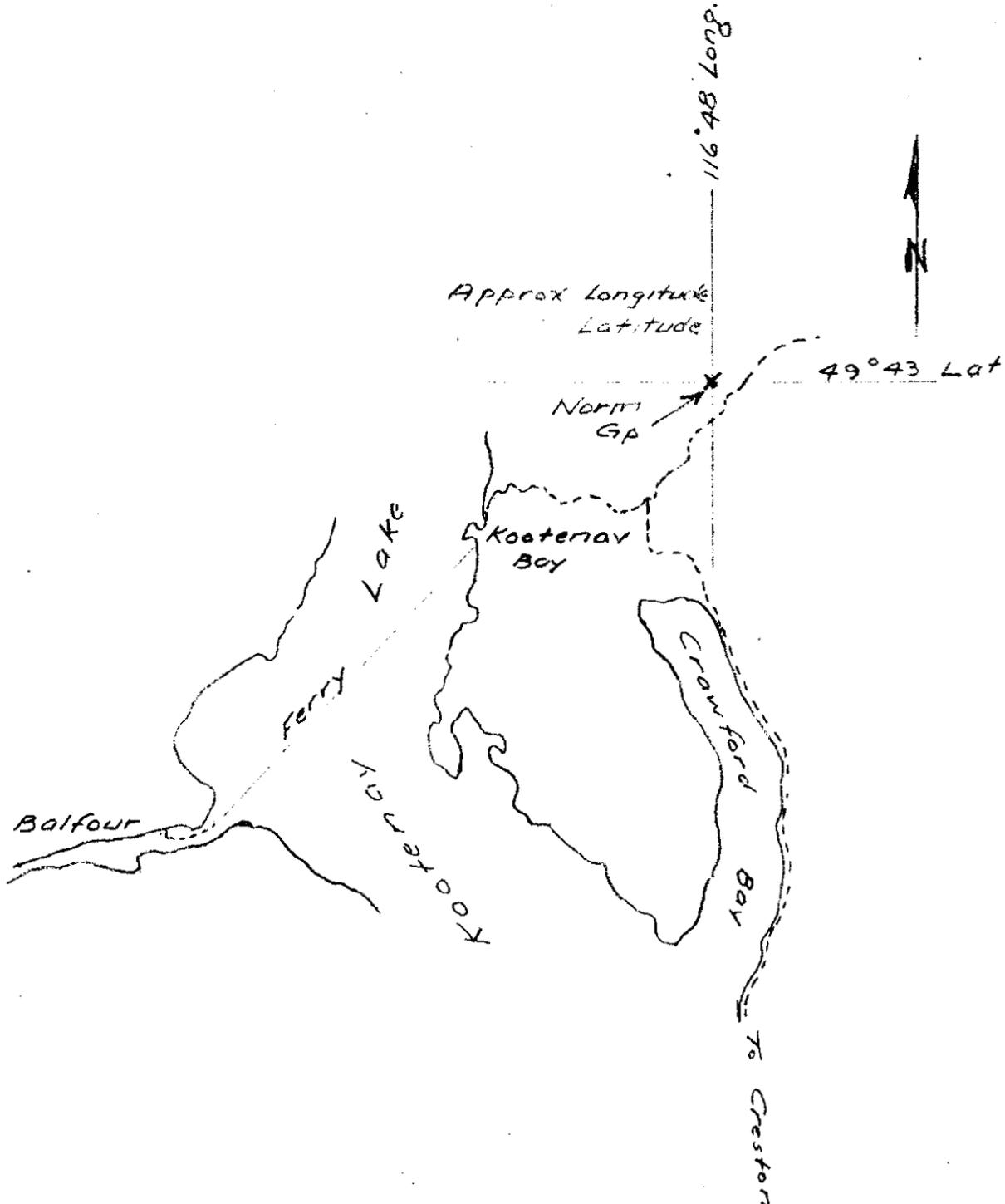
1. I, CECIL J. COVENEY, certify that I am a consulting Geologist and that I reside at 4024 Delbrook Avenue, North Vancouver, British Columbia.
2. I am a member of the Association of Professional Engineers for the Province of British Columbia and a graduate of the University of New Brunswick and the University of Toronto and have practised my profession for more than 20 years.
3. I have no direct or indirect interest in the securities or properties of Nelway Mines Ltd. nor do I expect to receive any interest.
4. This report is based on personal examination.

Signed this 18th day of November,
A.D. 1967.



CECIL J. COVENEY, P. Eng.



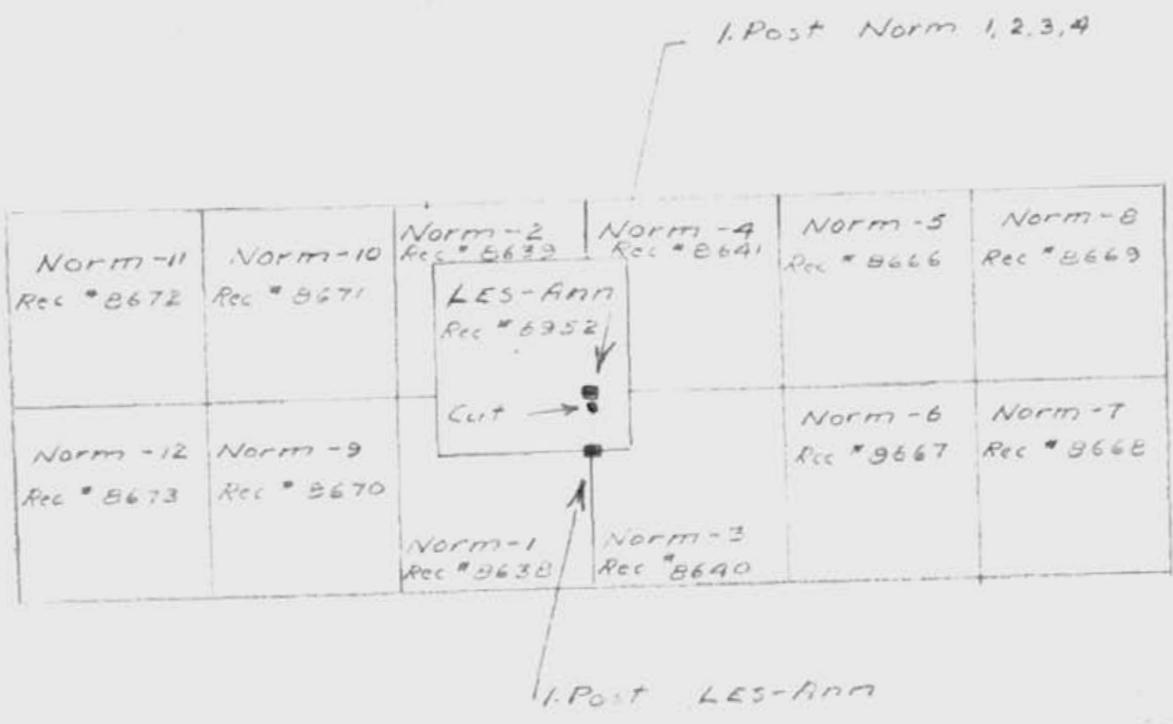


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Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 1279 MAP 1

LOCATION MAP
 NORM GP.
 1" = 2 miles

FIGURE - 1
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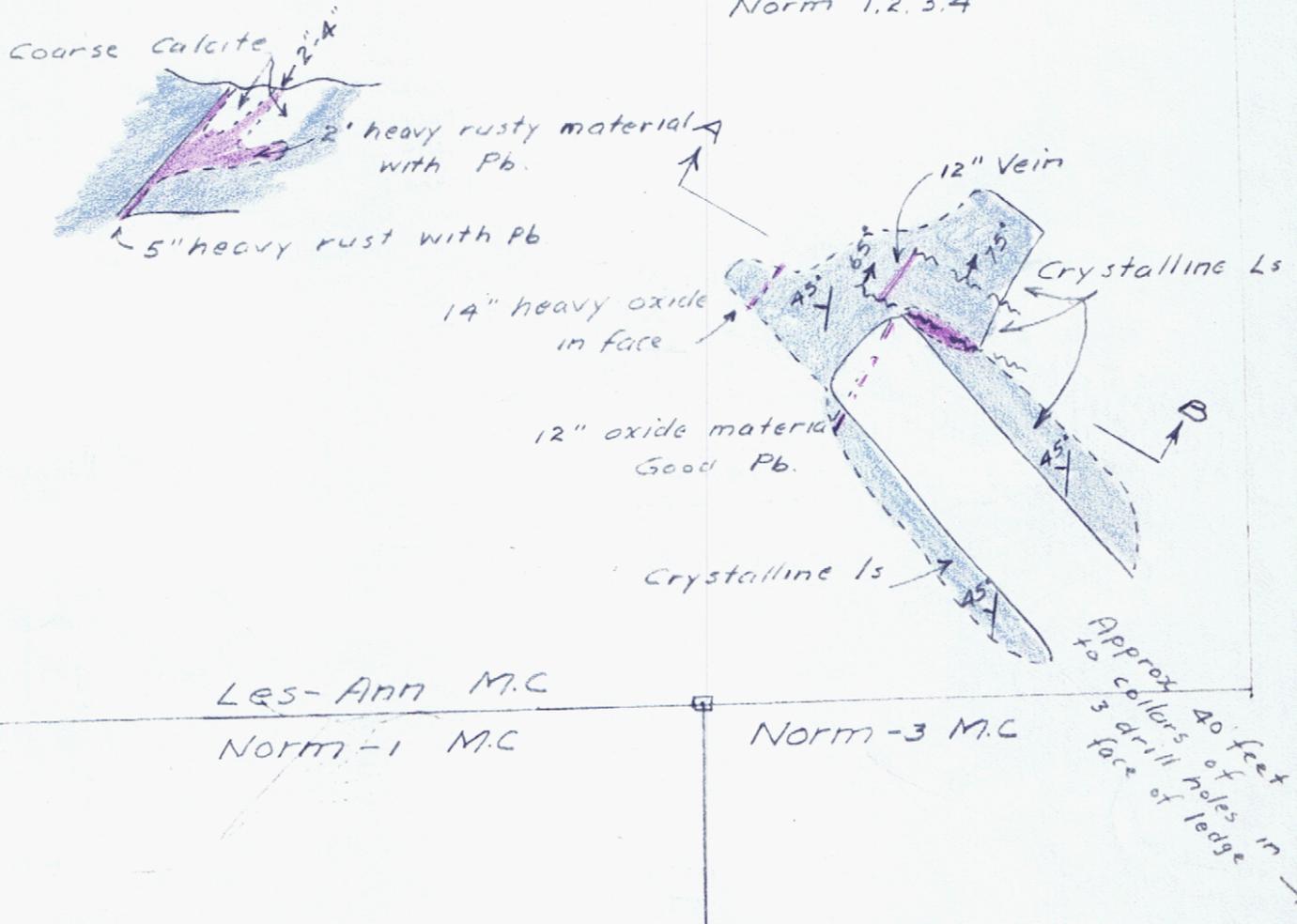
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1249 MAP 2

FIGURE-2
NORM GP.
Slocan MD
Scale 1"=1500'
17 Nov 1967



Norm - 4 M.C.

Diagrammatic section along A-B I. Post
Norm 1, 2, 3, 4



**Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT**

NO. 1249 MAP 3

FIGURE - 3
 NORM GP
 Slocan M.D.
 scale 1" = 10'
 17 Nov 1967
P. J. Rooney



P.P.M Lead 8
 P.P.M Copper 100
 P.P.M. Zinc 85

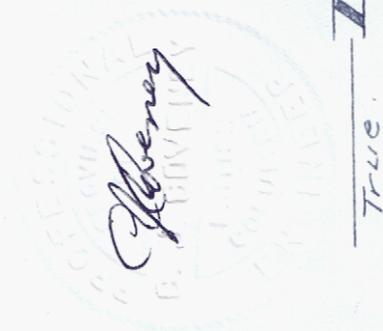


FIGURE-4

LES-Ann M.C

1. Post Les-Ann M.C

Norm-1 MC

Norm-3 MC.

**Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT**

NO. 1249 MAP 4

NORM GP.
 Slocan M.D
 scale 1"=100'
 17 Nov 1967

C. J. Oweney

CHEMEX LABS LTD.

1416 CROWN STREET — NORTH VANCOUVER, B.C. — TELEPHONE 988-6955

Certificate of Analysis

No. 796

To: Nelway Mines Ltd.
#13 5901 E. Broadway,
Burnaby 2, B.C.

Atten.:
Invoice No. 170

SAMPLE No.	ppm Lead	ppm Silver	ppm Copper	ppm Zinc
L-1-2	1	<0.5	16	64
3	12	<0.5	16	66
4	5	<0.5	15	59
5	3	<0.5	26	82
L-1-6	15	<0.5	74	94
L-2-4	5	<0.5	22	62
5	0	<0.5	33	54
L-2-5.5	5	<0.5	30	116
L-3-2	5	<0.5	20	80
3	13	<0.5	30	76
4	1	<0.5	23	35
5	0	<0.5	26	55
6	6	0.5	82	130
L-3-7	17	<0.5	87	60
L-4-4	5	<0.5	22	57
5	0	<0.5	33	55
L-4-6	0	<0.5	147	100
L-5-1	6	<0.5	67	59
2	0	<0.5	13	20
3	8	<0.5	36	87
4	5	<0.5	20	55
5	1	<0.5	30	45
L-5-6	8	0.5	100	85
L-7-2	17	<0.5	54	87
3	17	0.5	26	76
5	1	0.5	78	97
6	1	0.5	82	97
L-7-7	1	<0.5	76	70
L-9-4	13	<0.5	50	120
5	0	<0.5	33	82
6	0	<0.5	78	55
7	5	<0.5	24	66
L-9-7.5	1	<0.5	23	49

Note- Copper and Zinc analyses - no charge

Date Received Nov. 13, 1967

Date Analysed Nov. 15, 1967

CERTIFIED BY *B.W. Brown*