

Sub-Mining Recorder
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OCT 10 1975

A Rock Sampling and Prospecting Report

M.R. # MW
Garrison Landing, B. C.

on the

PAULINE MINERAL CLAIMS

2 Miles East of Mt. Sidney Williams

OMINECA MINING DIVISION

British Columbia

Mineral Claim Map 93K/1AW

Latitude: 54° 54'

Longitude: 125° 23'

by

Douglas Stelling

August 31, 1975.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5648 MAP

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PAULINE GROUP REPORT

The 4 located mineral claims on which assessment credits are requested are Pauline # 1-4 inclusive, record numbers 130968 - 130971. A total of 12 claim-years are being requested on 4 mineral claims.

A program of rock chip sampling and prospecting was undertaken from August 8, 1974 to August 15, 1974. The assaying was done by Min-En Laboratories Ltd.

Total expenditures on the Pauline Group were \$ 2450.35 and assessment credits which we are requesting total \$ 2400.00.

Introduction:

This report describes the results of a rock sampling and prospecting survey which was done on all four claims. This work was completed on a large Ultrabasic intrusion which has been reported by the Geological Survey of Canada to be mineralized in places with both disseminated and massive chromite.

The field work was completed under the direction of the writer, Mr. D. Stelling and the crew consisted of the writer and his helper, Mr. Ernie French of Takla Landing, B.C.

Property and Ownership:

The Pauline Group consists of the Pauline # 1-4 inclusive with record number 130968 - 130971 and are recorded in the name of Douglas Stelling of Germansen Landing, B.C.

Location and Access:

Latitude: 54° 54'

Longitude: 125° 23'

Elevation: 5500'

Mining Division: Omineca

N.T.S. 93K/14W

This property lies about 2 miles east of Mt. Sidney Williams and about 3 miles west of the Middle River, where the B.C. Railroad maintains a line from Fort St. James, B.C.

Access at present, is by helicopter from Fort St. James which lies 65 miles to the southeast.

Previous Work.

During the summer of 1942 J.E. Armstrong and H.W. Little, of the Geological Survey of Canada, prospected the ultrabasic rocks in this area for chromite. Several deposits were found at that time. Evidence of subsequent staking for probably both chromite and asbestos was present.

Geology

The Middle River Range, which lies southwest of Middle River, is underlain by Cache Creek formations invaded by Trembleur ultrabasic and Omineca granitic intrusions.

"The Trembleur Intrusions consist of a serpentized peridotite-dunite batholith underlying Mount Sidney Williams and several serpentized peridotite-dunite sills outcropping between Mount Sidney Williams and Tsitsutl Mountain. (1) "Abundant spinel minerals including chromite are present as both disseminations and as massive vein and pod type deposits.

Prospecting and Sampling:

The middle river ridge and immediate vicinity were prospected for chromite, and particular attention was spent on large bodies of disseminated

chromite bearing dunite. A composite rock sample survey was conducted across an outcropping dunite mass which appears to be ^{at least} ~~about~~ 1100 feet long and 300 to 500 feet wide. This mass, however, appears to be much larger, judging from talus, float and other outcrops, and looks like it must be at least ½ mile long and ¼ mile wide. Samples were obtained on lines which were run across the claim line which was used as a base line. A few samples were obtained from as far as a mile south of the main outcrop. The position of these samples is marked on the claim map.

Results:

The disseminated chromite in dunite was assayed for Cr and returned values from 0.2% to 0.4 % Cr. One sample assayed .72 % Cr disseminated in dunite near a massive deposit of vein and pod like chromite in a zone from a few inches to a few feet in width. A selected sample of the massive chromite bearing dunite returned an assay of 9.8 % Cr.

Conclusions and Recommendations:

Although the results have indicated a large body of submarginal grade chrome ore, more prospecting should be done to locate either:

- 1) A large body of disseminated chrome ore of lower grade material.
- 2) Smaller high grade bodies of minable chrome ore.

It seems to the writer that if a large body of low grade disseminated chromite can be delineated, a preliminary feasibility study should be accomplished to establish what size and grade would constitute an ore body of Chromite. Chrome to iron ratios should be established and the feasibilities of up grading and beneficiation of this type of chrome bearing material should be established. The close proximity of the B.C. railroad renders this area a very attractive target for large, low grade "porphyry type" mineral deposits.

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Douglas Stelling", written in black ink.

Douglas Stelling.

REFERENCES

1. Armstrong, J.E.; 1949. Fort St. James Map-Area, Cassiar and Coast Districts, B.C., Geol. Surv. of Canada, mem. 252 pages 189-191.
2. Doerner, H.A., 1952. Can the U.S. use its Low-Grade Domestic Chrome Ore? Engineering and Mining Journal; vol. 153, No. 8.
3. Hunter, W.L.; Paulson, D.L.; 1966 Carbon Reduction of Chromite, U.S. Bureau of Mines, Report of Activities, 6755.
4. Town, J.W.; Stickney, W.A.; Engel, G.T.; Sanker, P.E., 1967. Recrystallization of chrome Spinel U.S. Bureau of Mines, Report of Activities, 6923.
5. Yousef, A.A.; Boulos, T.R.; Arata, M.A.; 1971. Magmatic Flotation Beneficiation of Chromite Ore; Canadian Metallurgical Quarterly, vol. 10. No. 4.

STATEMENT OF EXPENDITURES.

The following is a breakdown of expenses incurred in carrying out the field work on the Pauline Group Mineral Claims as follows:

Helicopter Bell 206 B	\$ 904.35
Prospecting and Sampling (D. Stelling)	525.00
Prospecting and Sampling (E. French)	210.00
Camp @ \$ 30/day	210.00
Assaying 38 Samples	266.00
Report	300.00
	<hr/>
	\$ 2450.35

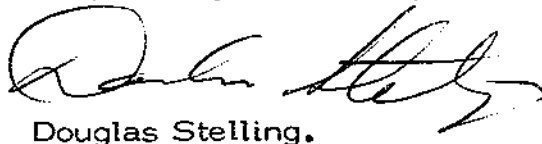


STATEMENT OF QUALIFICATIONS.

I, DOUGLAS STELLING, with business address in Germansen Landing, B.C., hereby certify that,

1. I have 3½ years school from the University of Arizona, majoring in Geological Engineering.
2. I have worked as a prospector and exploration consultant in the Omineca part of British Columbia since 1969.
3. I am the manager of Stellac Syndicate.
4. I am the president and a director of Susie Gold Mines Ltd.
5. I am a member of the Canadian Institute of Mining and Metallurgy.
6. I am an affiliate of the Association of Exploration Geochemists.
7. I have conducted the work listed in this report.
8. To the best of my knowledge, the interpretation of the data and expenditures claimed for the performance of work are correct.

Respectfully Submitted,



Douglas Stelling.

126°00'

45'

30'

Pauline Group

15'

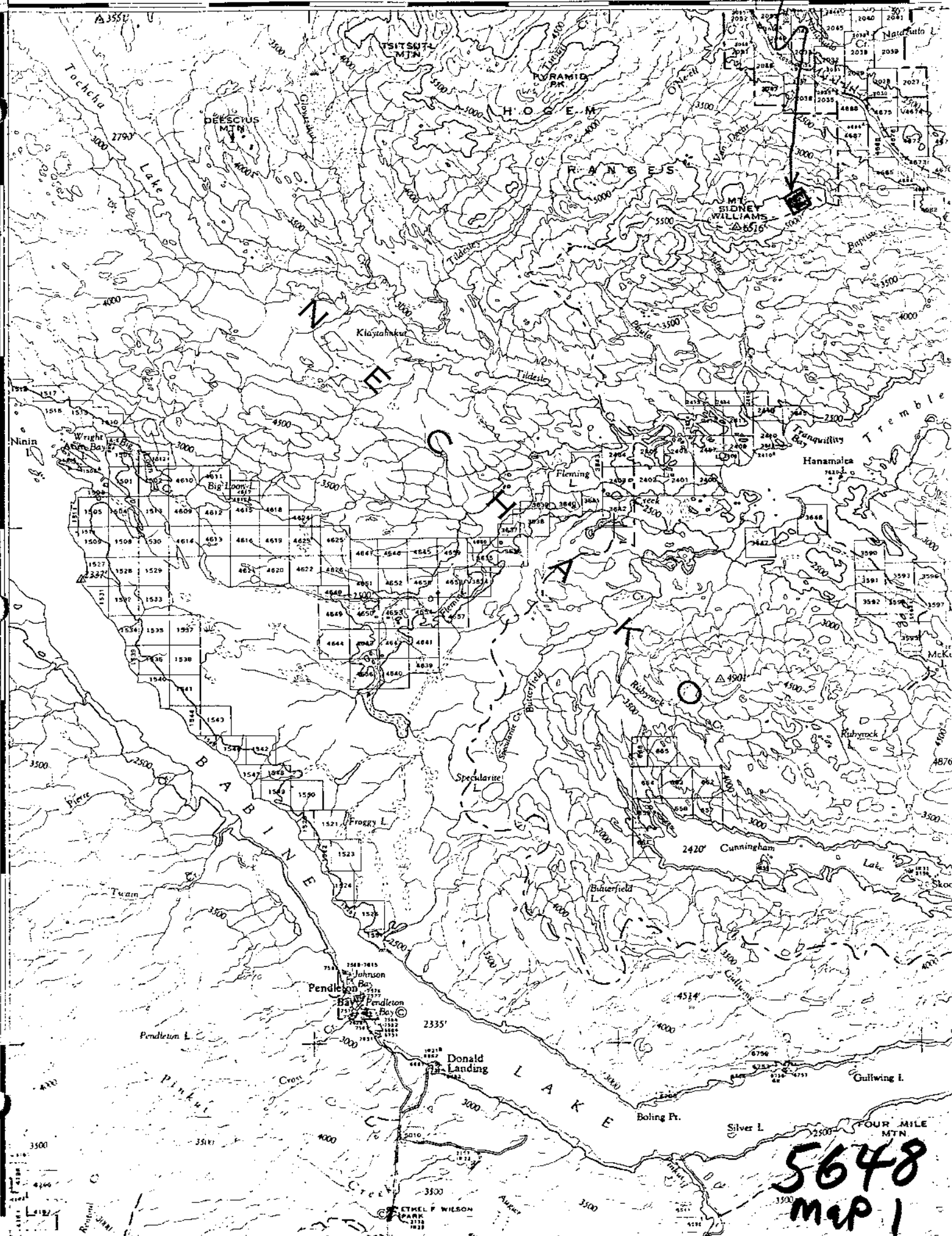
5°00'

50

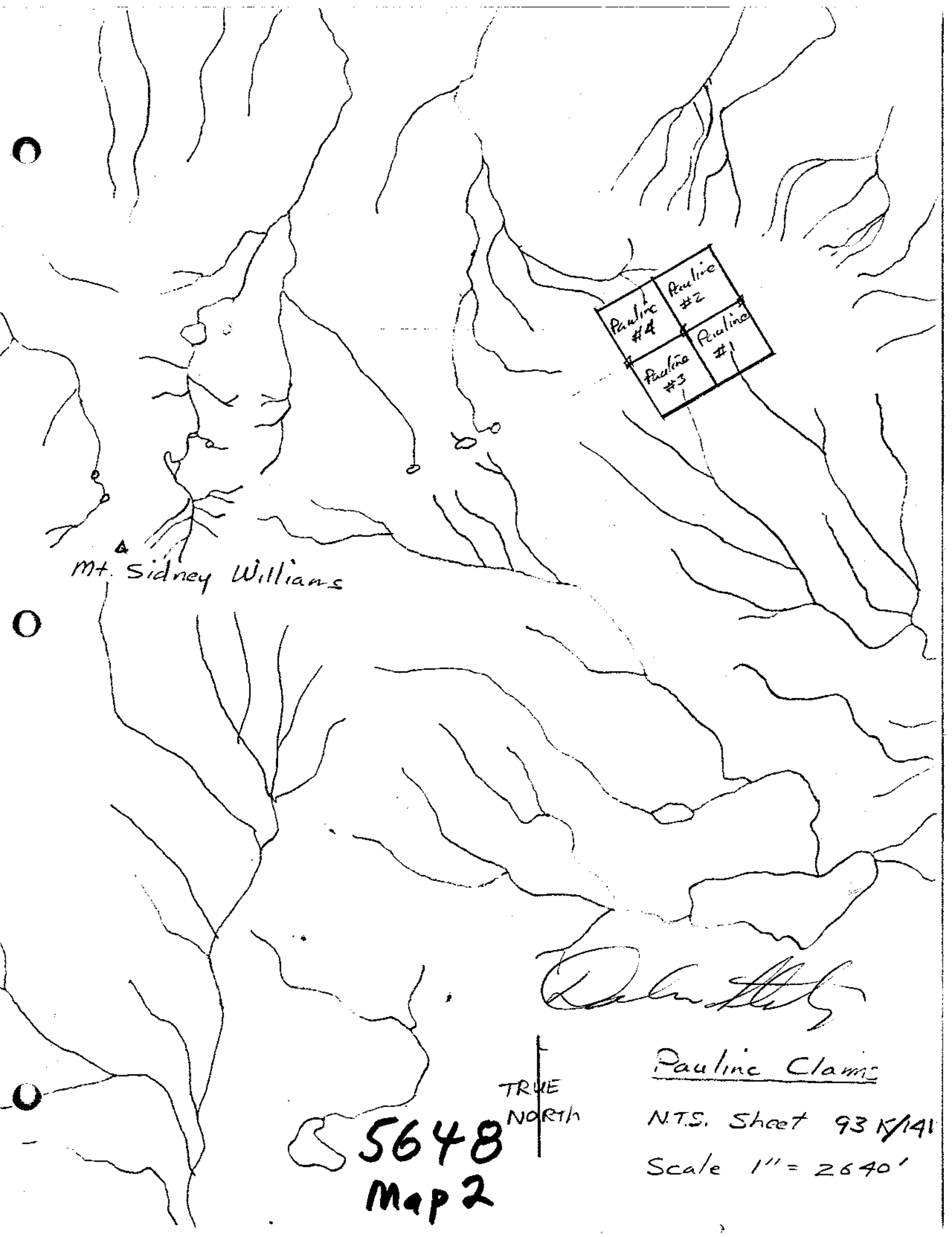
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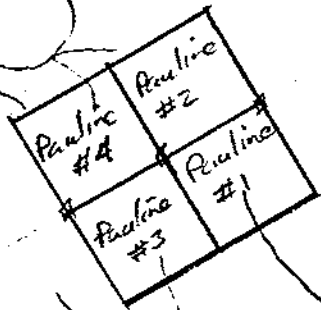
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5648
map 1

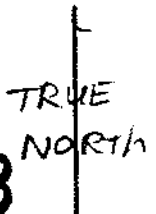


Mt. Sidney Williams

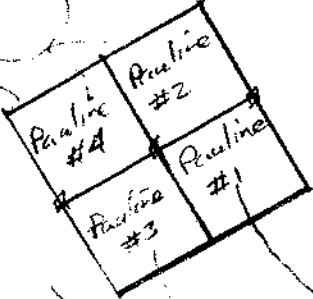
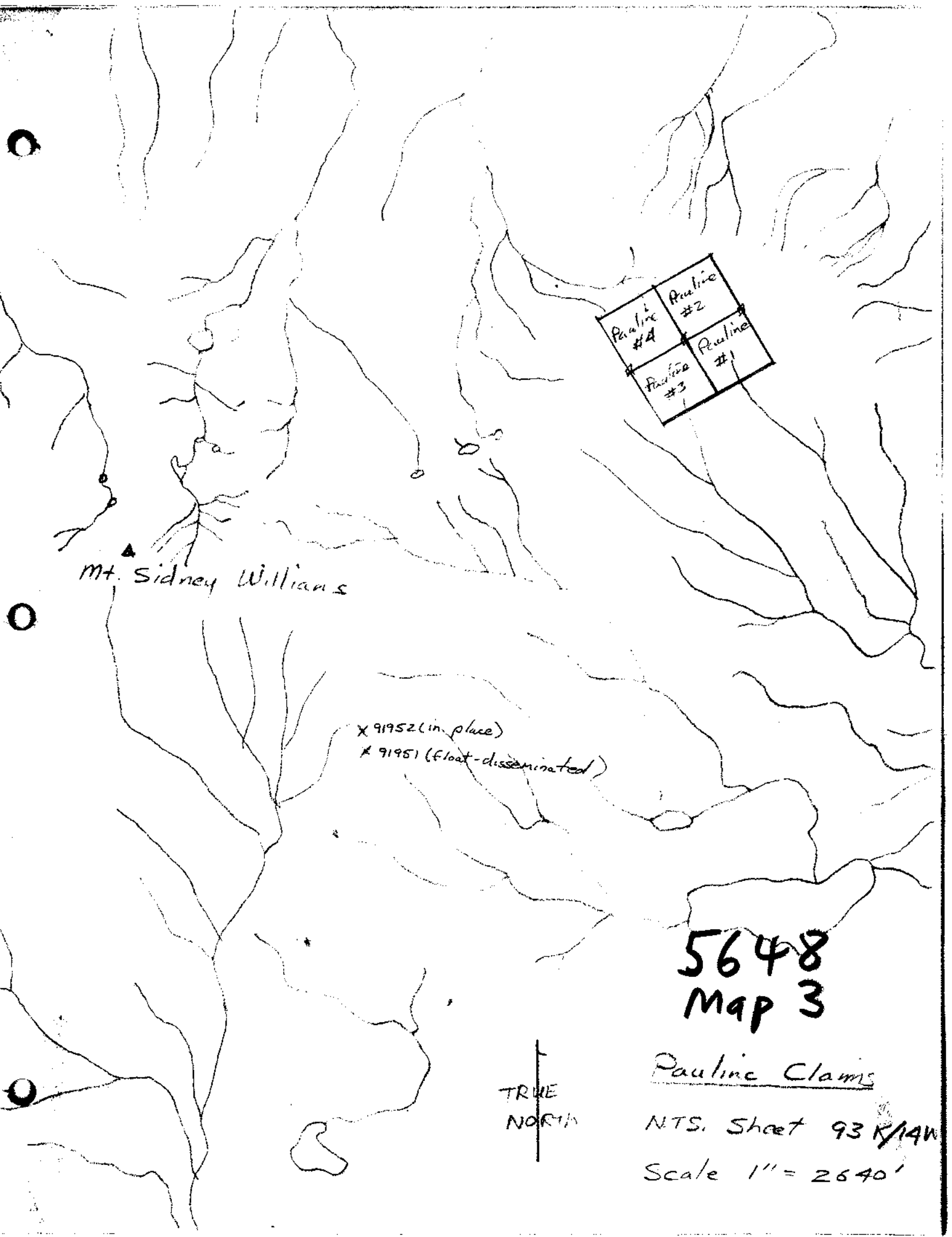


Pauline Claims

Pauline Claims
NTS. Sheet 93 K/141
Scale 1" = 2640'



5648
Map 2



Mt. Sidney Williams

X 91952 (in place)
* 91951 (float-disseminated)

TRUE
NORTH

5648
Map 3

Pauline Claims
NTS. Sheet 93 K/AW
Scale 1" = 2640'

MIN-EN LABORATORIES LTD.

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

Certificate of Assay

TO: Stellac Explorations Ltd.,
Germanen Landing, B.C.

PROJECT No. _____

DATE Sept 30/74.

File No. 1001

SAMPLE No.	Cr %			
91951	.720			
52	9.800			
53	no sample			
54	.295			
55	.262			
56	.290			
57	.218			
58	.283			
59	.295			
60	.252			
61	.293			
62	.267			
63	.268			
64	.273			
65	.258			
66	.298			
67	.375			
68	.313			
69	.250			
70	.326			
71	.258			
91972	.277			

MIN-EN Laboratories Ltd.

CERTIFIED BY Gilbert V. Harrisville

MIN-EN LABORATORIES LTD.

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

Certificate of Assay

TO: Stellac Explorations Ltd.

PROJECT No. _____

Germansen Landing, B.C.

DATE Sept 30/74.

File No. 1001

SAMPLE No.	Cr %			
68651	.320			
52	.282			
53	.262			
54	.293			
55	.305			
56	.267			
57	.302			
58	.267			
59	.278			
60	.252			
61	.290			
62	.247			
63	.292			
68664	.205			

MIN-EN Laboratories Ltd.

CERTIFIED BY *Gilbert V. Henriessalle*

MIN-EN LABORATORIES LTD.

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

Certificate of Assay

TO: Stellac Explorations Ltd.

PROJECT No. _____

Germanesen Landing, B.C.

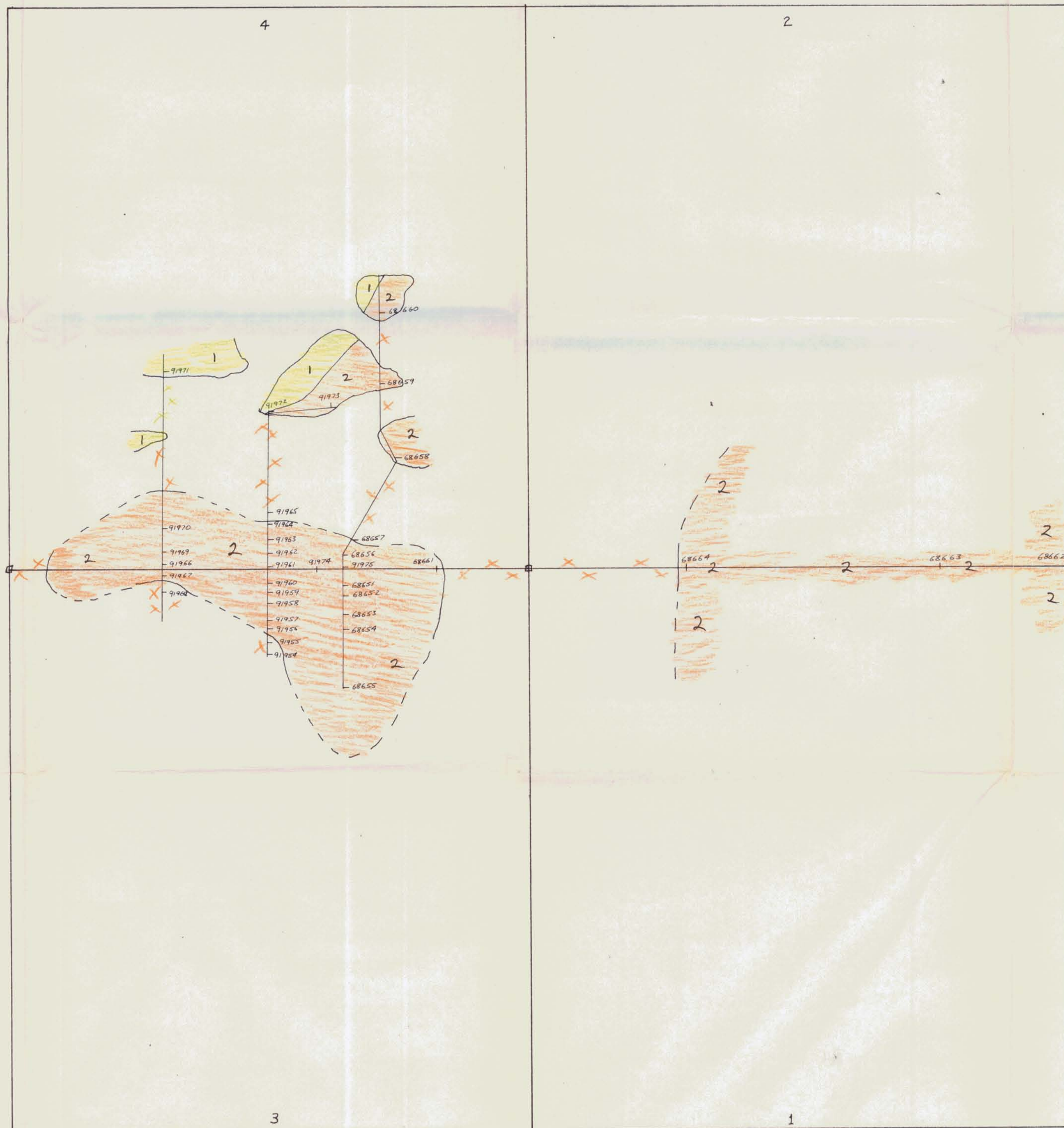
DATE Sept 30/74.

File No. 1001

SAMPLE No.	Cu %			
91973	.245			
74	.273			
91975	.283			

MIN-EN Laboratories Ltd.

CERTIFIED BY Gilbert V. Henriouille



PAULINE GROUP

LEGEND

- 2 Mainly Dunite
- 1 Mainly Pyroxerite
- ⁹¹⁹⁷⁷— Prospecting Traverse, with sample site and sample number
- ⊕ Claim Post and Claim Boundaries

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5648 MAP 4

Drawn By: D. Stelling
Date: Aug. 24, 1975
Scale: 1" = 200'
Map Area: 93K/14W

D. Stelling

