

83-#615 - # 11527

Sampling Program
on the
Saddle Claim Group

Skeena Mining Division
NTS 103P/12
Latitude 55 37'
Longitude 129 50'

Owner and Operator
NOR-CON EXPLORATION LIMITED

Author of Report:
Regis Cavanagh
Chief Geologist

October 13, 1983

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,527

Table of Contents

<u>Introduction:</u>	<u>Page</u>
Introduction	1
i- Location and Access	1
ii- Property and History	1
Sampling Program	2
Results	2-3
Conclusions	3-4
Recommendations	4
Author's Qualifications	5
Resume	6
Itemized Cost Statement	7
Detailed Itemized Cost Statement	8
List of Claims in Saddle Claims Group	9
Figures	
1- Location Map	10
2- Claim Map	11
3- Geology Map	12
4- Silver and Gold Assays (Map)	12
Selected Bibliography	13

INTRODUCTION

i- Location and Access:

The Saddle Claim Group is located 30 kilometres south-southeast of Stewart in the Skeena Mining Division, B.C. (Figure 1) and on the westerly side of the head of Hastings Arm (Figure 2). The showings are about at an elevation of 1400 metres.

The property is accessible by helicopter, combined sea-plane or boat and foot-trip from the sea level to the crest of the mountain.

ii- Property and History:

The Saddle Claim Group of Nor-Con Exploration Ltd. consists of seven and a fractional reverted Crown Granted 2 Post Claims, and two claims, Norcon #5 and 6 (15 and 10 units respectively). Norcon #5 and 6 have been added to the Saddle Claim Group in October, 1983.

The property has been previously explored and developed by three shallow shafts, trenches and a drift-adit (150 metres) before 1930.

Nor-Con acquired and did a reconnaissance project of the property in 1982. The reconnaissance project indicated a lead-zinc-silver-copper-gold deposit of hydrothermal origine with a depositional texture of open-space filling.

In 1983, one of the Nor-Con Exploration crews did a surface sampling program for silver and gold assays on the property. This sampling program is the subject of the report.

SAMPLING PROGRAM:

Nor-Con Chief Geologist, Regis Cavanagh, and their Consulting Geologist, Alex Burton, P. Eng. recommended a sampling program on the Saddle Property in July, 1983.

The sampling program completed in July consisted of channel samples taken across the width of the mineralized quartz veins and across the width of massive sulphide lenses. A few grab samples were taken from a granitic dyke, from the country rock, from narrow quartz veins and from three different levels of the drift-adit tailings (Figure 3).

The grid established in 1982 has been used for the location of the samples.

Acme Analytical Laboratories Ltd. of Vancouver, analysed the samples for silver and gold by fire assay and atomic absorption (File #83-1545, Dean Toye, Certified B.C. Assayer). The sample type was rock crushed and pulverized to -100 mesh.

RESULTS:

The results of the sampling program (Figure 4) indicated high gold content in the mineralized quartz veins. One gold assay returned 220 g. per tonne (7.05 oz/ton) across a vein width of 18 cm. (7 inches). Silver assayed up to 665 g. per tonne (21.3 oz/ton) over 30 cm. (1 foot).

The mineralized quartz veins are over 45 metres (150 feet) of length; no depth has been determined. Eight additional gold assays returned values between 3.7 to 32 g. per tonne (0.118 to 1.053 oz/ton) across vein width varying from 10 to 63 cm. (4 to 25 inches). Thirteen additional silver assays

returned values between 33 to 574 g. per tonne (1.08 to 18.4 oz/ton) across vein width varying from 12 to 90 cm. (5 to 35 inches).

Grab samples of the granitic dyke, country rock and the tailings indicated trace of silver and gold.

One grab sample #7218 consisting of chips taken every 10 cm. for about 4 metres through 6 narrow quartz veins returned 80.5 g. per tonne (2.35 oz/ton) for silver and trace of gold.

The results of the sampling program indicated short zones of high grade gold and silver in the mineralized quartz veins associated or related to the massive sulphide lenses and streaks.

The short zones vary from a few metres to about 10 metres of length along the quartz veins and up to 0.6 metre of width.

CONCLUSIONS:

The sampling program on Saddle Property confirms the expected silver content in the mineralized quartz veins and indicates short zones of high gold content which is erratic over a length of a few metres. The mineralization is confined to the quartz veins.

Although the samples were not analysed for lead, zinc, and copper, the silver and gold values (in dollars) may exceed the combined value for lead, zinc and copper.

The erratic content of precious metals and the short discontinued mineralized zones make the assessment of Saddle very difficult. However, considering the length and width of the mineralized veins, a small tonnage of mineable "ore"

is expected.

RECOMMENDATIONS:

An exploration program consisting of diamond drilling to test the downward extension of the mineralized zones is recommended.

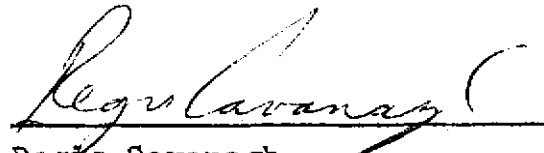
AUTHOR'S QUALIFICATIONS

I, Regis Cavanagh, of the city of Prince Rupert, in the Province of British Columbia, do hereby certify:

That I am a full time Chief Geologist for the company, "Nor-Con Exploration Ltd.", #10-342-3rd Ave. West, Prince Rupert, British Columbia, 604-627-1251 and that I am residing at 209-1200 Summit Ave. Prince Rupert, British Columbia, V8J 3Y1.

I further certify that:

- 1- I am a graduate of the Quebec University of Chicoutimi (1977), Quebec, hold a B. Sc. degree in Geological Engineering and I am a Professional Engineer registered with the Engineers' Order of Quebec.
- 2- I have been practicing my profession in prospecting, exploration and engineering through Canada for the past six (6) years.
- 3- The information for this report was obtained from pertinent material as cited under references and from a sampling program carried out under my supervision on the Saddle Property in July, 1983.


Regis Cavanagh
Chief Geologist

October 13, 1983
Prince Rupert, B.C.

RESUME

Nor-Con Chief Geologist, Regis Cavanagh and their Consulting Geologist, Alex Burton, P. Eng., went on the site of Saddle Property on July 15, 1983. They recommended a sampling program.

One of the two Nor-Con Exploration crew consisting of the Chief Geologist and an assistant carried out the sampling program between July 25 - July 28, 1983.

The sampling program consisted of surface channel and grab sampling of the country rock, dyke, tailings and mineralized quartz veins for silver and gold assays.

ITEMIZED COST STATEMENT

Nor-Con Chief Geologist and their Consulting Geologist went on Saddle Property on July 15, 1983. A Nor-Con Exploration crew consisting of the Chief Geologist and an assistant did a sampling program of the property between July 25 - 28.

Nor-Con Chief Geologist was mobilized by airplane from Prince Rupert to Stewart and the consulting geologist from Vancouver to Stewart on July 14; from Stewart to Saddle to Stewart by helicopter on July 15.

The assistant and field equipment were mobilized from Prince Rupert to Stewart by chartered boat on July 23 and 24 and from Stewart to Saddle by helicopter on July 25.

Demobilization from Saddle to another Nor-Con property (Betty-Silver Cliff) was by helicopter on July 28, 1983. The cost of demobilization is divided between Saddle and the other property.

The total cost of the sampling program on Saddle Property amounts to \$8 824.45 as presented in the Detailed Itemized Cost Statement.

Detailed Itemized Cost Statement

a) Wages

<u>Name</u>	<u>Title</u>	<u>Amnt. Earned</u>	<u>Date in July</u>	<u>Totals</u>
Regis Cavanagh	Chief Geologist	5 at \$200.00	15-25 to 28	\$1000.00
Stephen Bean	Assistant Geologist	5 at \$67.00	24 to 28	<u>335.00</u>
			Sub-total	\$1335.00

b) Food

10 man days at \$ 28.75 \$ 287.50

c) Transportation

July 14	Prince Rupert - Stewart by airplane (Chief Geologist)		204.00
July 15	Stewart-Saddle-Stewart by helicopter (Chief Geologist & Consulting Geologist)		587.70
July 24	Prince Rupert - Stewart by chartered boat (Field equipment & assistant)		520.00
July 25	Stewart to Saddle by helicopter		1501.90
July 28	Saddle to another property		<u>979.50</u>
		Sub-total	\$3793.10

d) Analysis

Qty.	Assays at \$	
33	Ag and Au at \$10.00	\$ 330.00
33	Rock sample preparation at \$2.50	<u>82.50</u>
		Sub-total \$ 412.50

e) Equipment cost: rate per day based on 33% of total cost for field program averaged between two crews.

10 man days at \$40.55 per day \$ 405.50

f) Consulting Services, Alex Burton, P. Eng.
Air ticket-Vancouver-Stewart-Vancouver + Hotel+
expenses+services from July 14 to July 24 \$1490.85

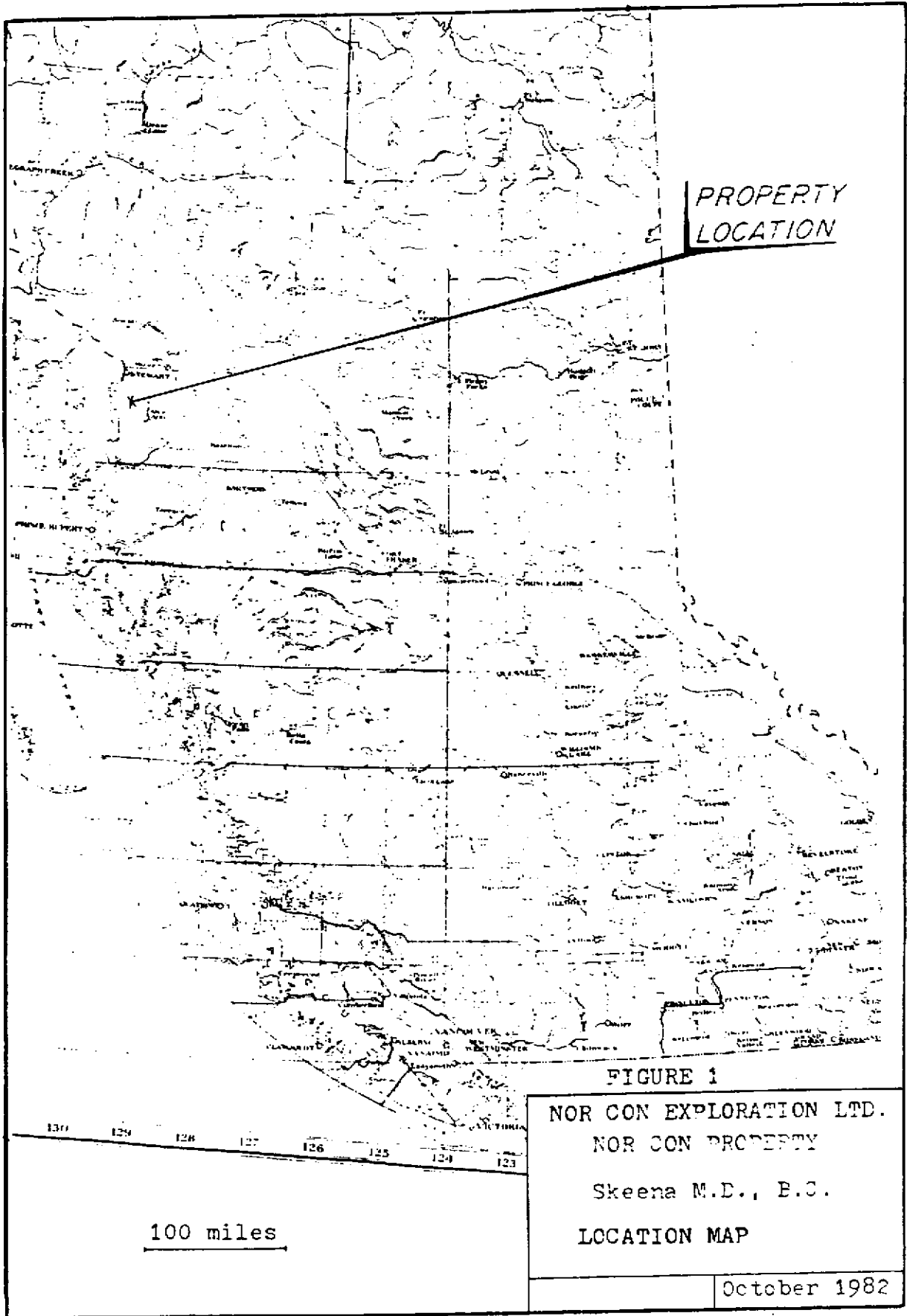
g) Office expenses and miscellaneous \$ 500.00

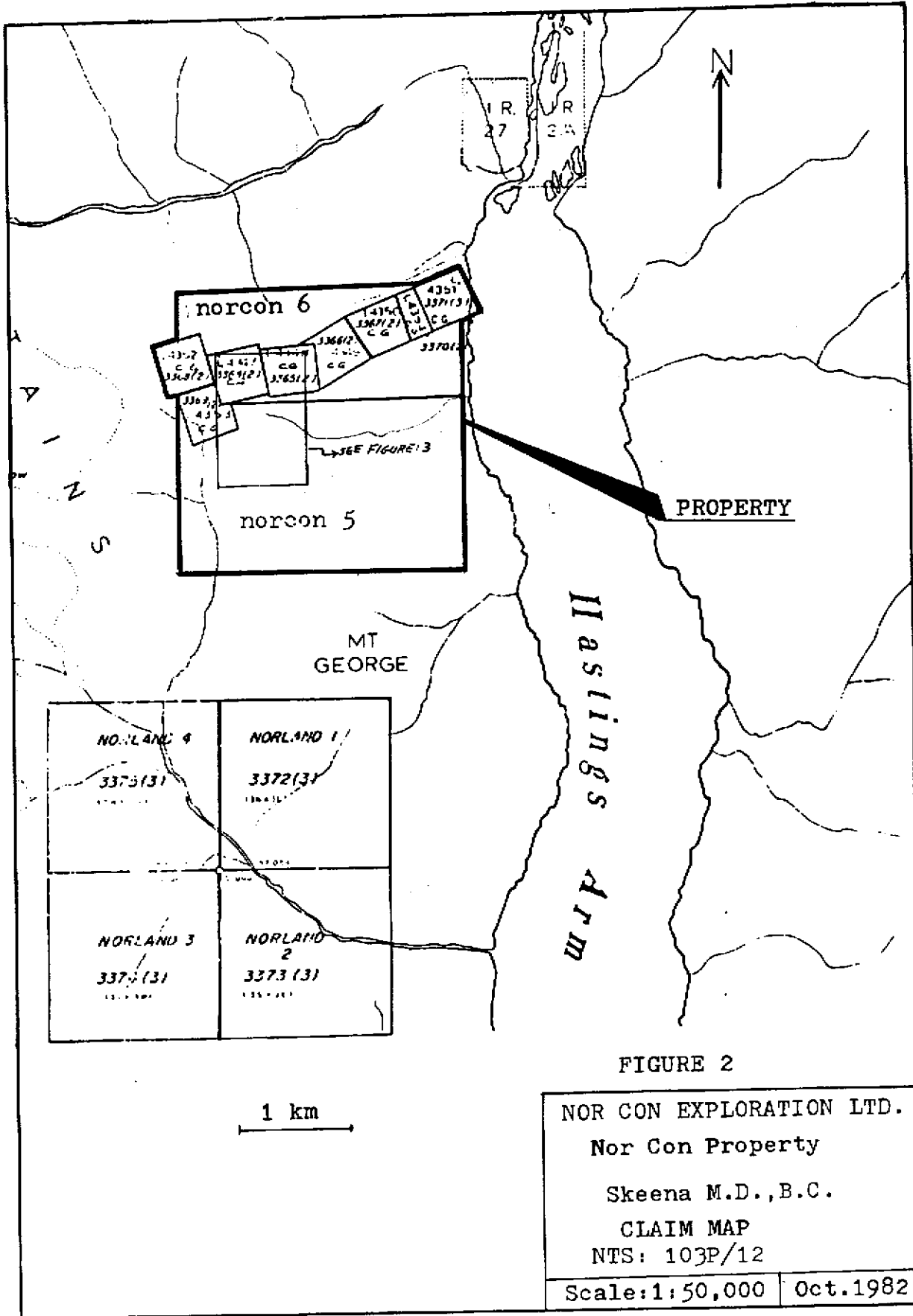
h) Cost of report preparation \$ 600.00

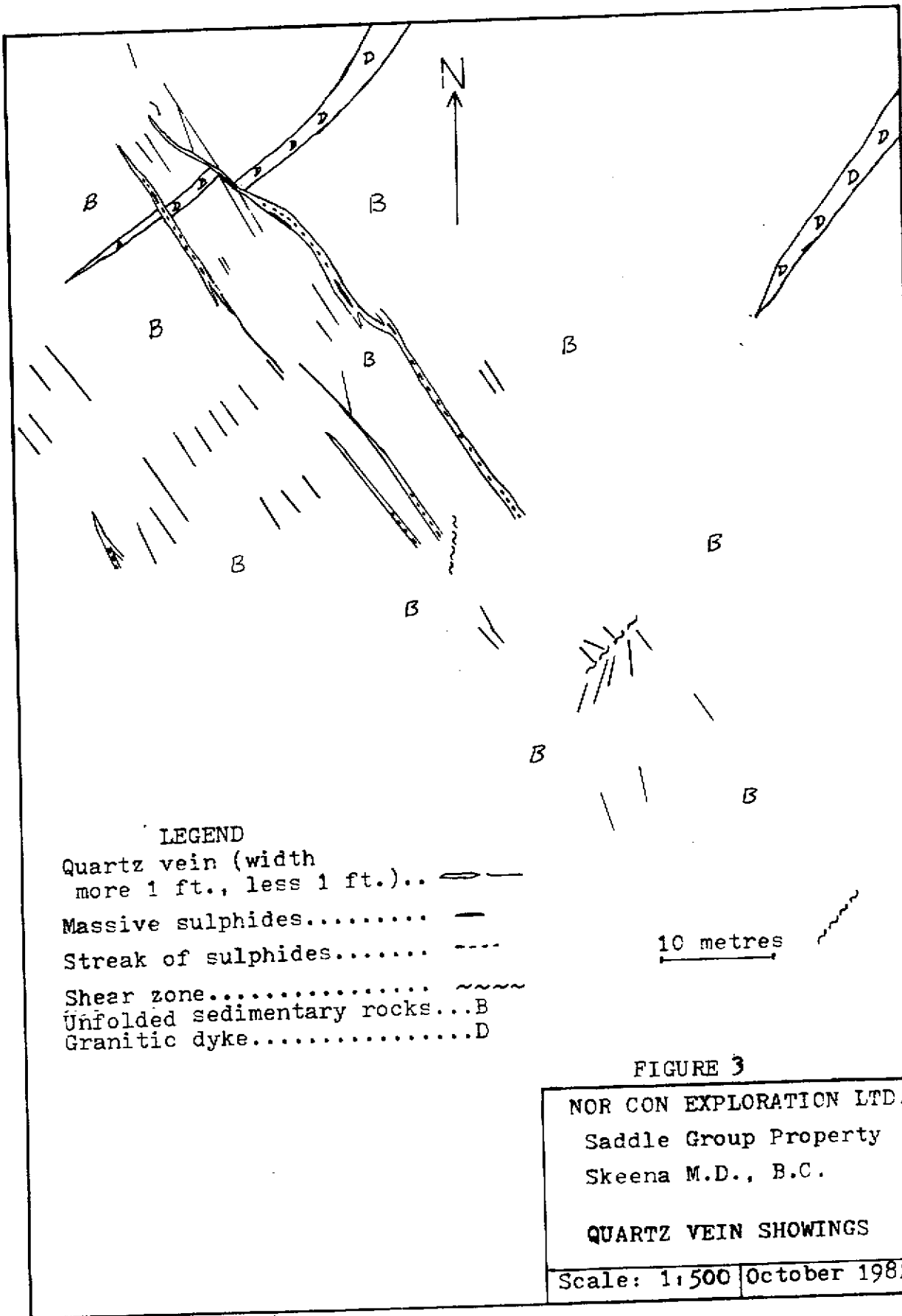
Total Cost of Sampling
Program \$8824.45

List of Claims in Saddle Claim Group

<u>Name</u>	<u># of Units</u>	<u>Record #</u>	<u>Month of Record</u>
Saddle	1	3364	2
Saddle No. 1	1	3365	2
Saddle No. 2	1	3366	2
Saddle No. 3	1	3367	2
Saddle No. 5	1	3368	2
Saddle Fr.	1	3370	2
Saddle No. 4	1	3371	3
Norcon No. 5	15	3569	9
Norcon No. 6	10	3570	9







LEGEND
 Quartz vein (width more 1 ft., less 1 ft.).. — — — — —
 Massive sulphides..... — — — — —
 Streak of sulphides..... - - - - -
 Shear zone..... ~ ~ ~ ~ ~
 Unfolded sedimentary rocks...B
 Granitic dyke.....D

10 metres

FIGURE 3

NOR CON EXPLORATION LTD.
 Saddle Group Property
 Skeena M.D., B.C.
 QUARTZ VEIN SHOWINGS
 Scale: 1,500 | October 1982

Selected Bibliography

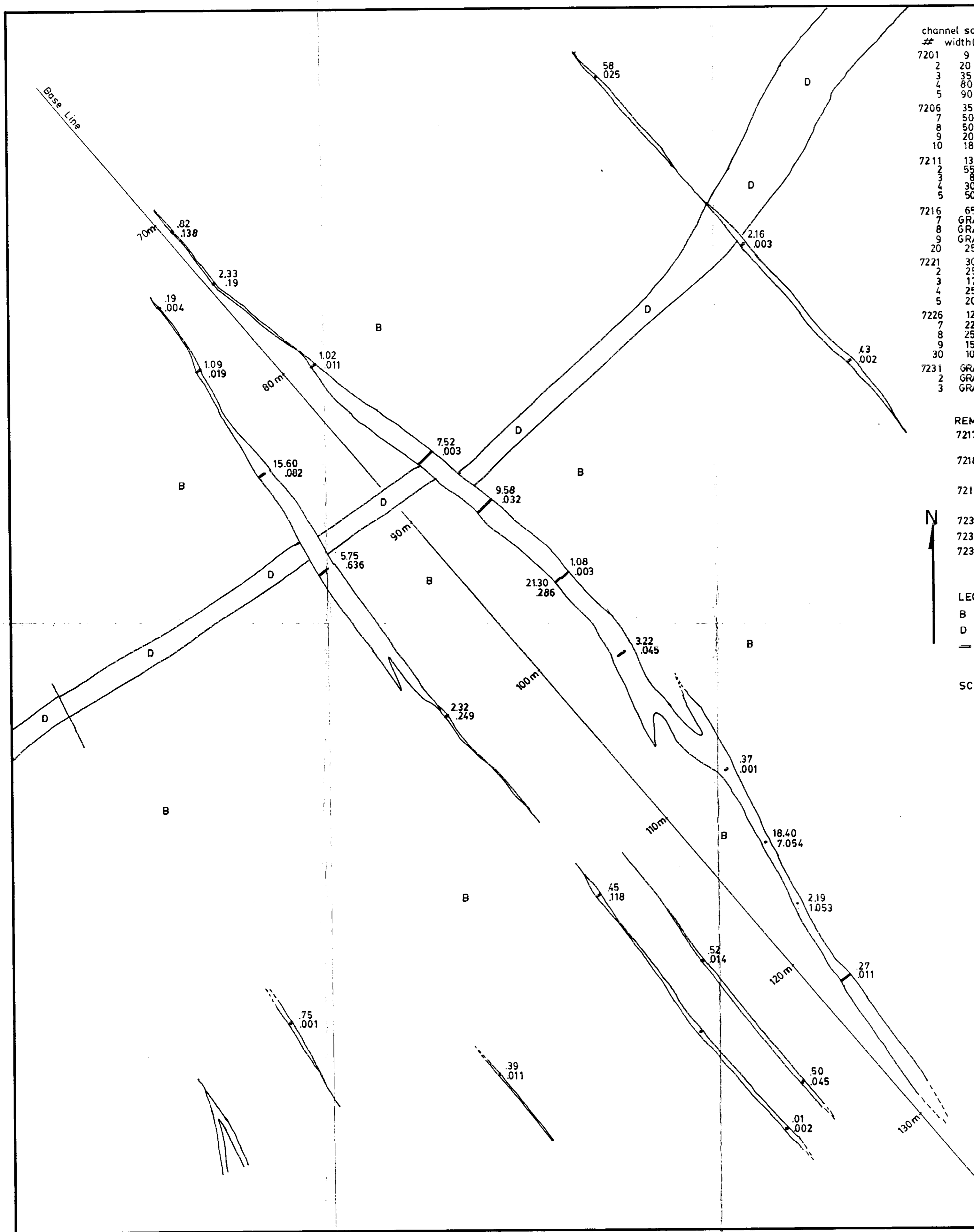
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 - 1926 p. 77
 - 1927 pp. 68,69
 - 1928 pp. 77,78
 - 1929 pp 80,82,431
 - 1930 pp. 83, 359

- Carter N.C. and Grove E.W., Geological Compilation Map of Stewart, Anyox, Alice Arm and Terrace Areas, B.C. Dept. of Mines & Pet. Res. Preliminary Map No. 8.

- Cavanagh, Regis, Reconnaissance Project of the Saddle Claim Group, Feb., 1983, assessment report.

- Corporation Files "Silver Crest Mines Limited". Mineral Resource Division EMR

- Grove E.W. (1971), Geology and Mineral Deposits of the Stewart Area, B.C. Department of Mines & Pet. Res. Bull No. 58, Figure #1.



channel sample #	width(cm)	silver		gold		
		oz/ton	g/tonne	oz/ton	g/tonne	
7201	9	.82	2.81	.138	4.7	
	2	2.33	79.9	.190	6.5	
	3	1.02	34.9	.011	.3	
	4	7.52	257.8	.003	.1	
	5	9.58	328.4	.032	1.1	
7206	35	21.30	730.3	.286	9.8	
	7	1.08	37.0	.003	.1	
	8	3.22	110.4	.045	1.5	
	9	.37	12.7	.001	.1	
	10	18.40	630.8	7.054	241.8	
7211	13	2.19	75.1	1.053	36.1	
	2	.27	9.2	.011	.3	
	3	.19	6.5	.004	.1	
	4	1.09	37.4	.019	.6	
	5	15.60	534.8	.082	2.9	
7216	65	5.75	197.1	.636	21.8	
	7	.14	4.8	.010	.3	
	8	2.35	80.5	.009	.3	
	9	.06	2.0	.001	.1	
	20	2.32	79.5	.249	8.5	
7221	30	.45	15.4	.118	4.0	
	2	.54	18.5	.150	5.1	
	3	.17	5.7	.014	.3	
	4	.50	17.1	.045	1.5	
	5	.01	0.3	.002	.1	
7226	12	.58	19.8	.025	.8	
	7	2.16	74.0	.003	.1	
	8	.43	14.7	.002	.1	
	9	.75	25.7	.001	.1	
	30	.39	13.3	.011	.3	
7231	GRAB	.01	0.3	.001	.1	
	2	GRAB	.09	2.7	.001	.1
	3	GRAB	.01	0.3	.001	.1

REMARKS:
 7217 : grab sample of granitic dyke both sides and between mineralized veins.
 7218 : grab sample every 10 cm for about 4m through 6 small quartz veins.
 7219 : grab sample of country rock around the mineralized quartz veins
 7231 : grab sample from upper dump
 7232 : grab sample from lower dump
 7233 : grab sample from intermediate dump

LEGEND:
 B : unfolded (volcanic) sedimentary rocks
 D : granitic dyke
 — : channel sample across quartz vein, silver on top of gold (oz/ton)

SCALE : 1 : 125
 10 METERS

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

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Figure 4

NOR CON EXPLORATION LTD	
Saddle Property	
Silver and Gold Assays	
OCTOBER 1983	DRAWN BY: R. CAVANAGH