

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)]	TOTAL COST
Mapping a Mineralized Quartz Vein and Sampling.	\$ 8815.11

AUTHOR(S) L. LeBlond SIGNATURE(S) L. LeBlond

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) SMI 2000-0200492-145 YEAR OF WORK 2000

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) _____

PROPERTY NAME HUGIN

CLAIM NAME(S) (on which work was done) Hugin 1, #340546 & Hugin 2, #340547.

RECEIVED

GOVERNMENT AGENT
SMITHERS

DEC 21 2000

NOT AN OFFICIAL RECEIPT

TRANS # _____

COMMODITIES SOUGHT Gold & Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN _____

MINING DIVISION OMINECA NTS 103I/16W

LATITUDE 54 ° 48 ' N " LONGITUDE 128 ° 22 ' W " (at centre of work)

OWNER(S)
1) L. LeBlond 2) W.H. McRae

MAILING ADDRESS

<u>Box 1097</u>	<u>4820 Walsh</u>
<u>Terrace, B.C. V8G 4V1</u>	<u>TerrACE, B.C. V89 1Y9</u>

OPERATOR(S) (who paid for the work)
1) L. LeBlond 2) Nil

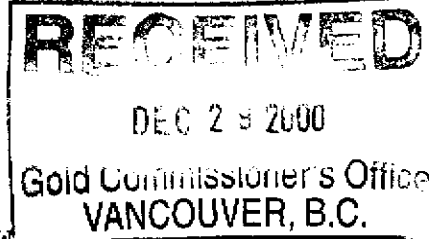
MAILING ADDRESS

<u>Box 1097</u>	
<u>Terrace, B.C. V8G 4V1</u>	

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Coast Range Intrusives, Hazelton Sediments of Mid-Jurassic age, Quartz Vein(s) Intruded thru' Sediments/Conglomerates and Quartz Felspar Porphyry volcanics Schisting/Fracturing/Graphite. Arsenopyrite, Pyrite, Galena. Quartz Vein(s) Dip 60-80 degrees -Width 2-3 Metres, Strike 40 Metres & Open. Depth 100 Metre

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS _____ 24688
Hugin 1-4 Assessment Report, Dec 23, 1996.

TABLE OF CONTENTS



Introduction

1. Location Map in B.C.
2. Claim Map of area 103I16W
3. Enlarged Map of Work.
4. Diagramatic X Sections on Vein(s).

INTRODUCTION

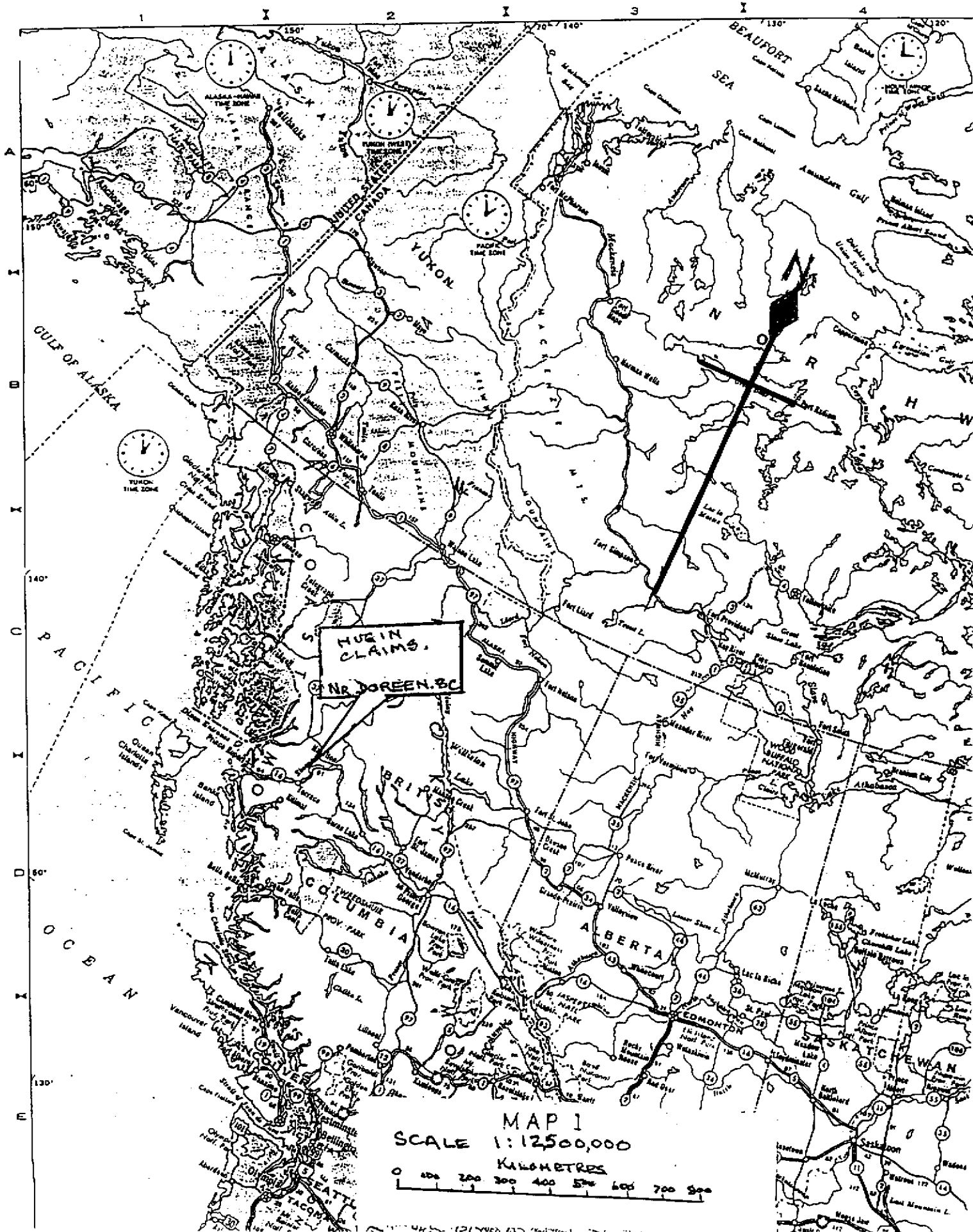
- A. Geographic & Physiographic Position.
 - B. Property Defined and Owners.
 - C. Key to Zones.
 - D. Summary of Work Done & Date Carried Out.
 - E. Geology & Structure.
 - F. Mineralization.
 - G. Sampling.
 - H. Theory.
 - I. Recommendations.
-
5. Photo's Section 11 Photos.
 - 6 Assay Certificate.
 7. Credits.
 8. Vitae.
 9. Cost of Work.

Base Map of Claims 1;5000, in Folder.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

26,430

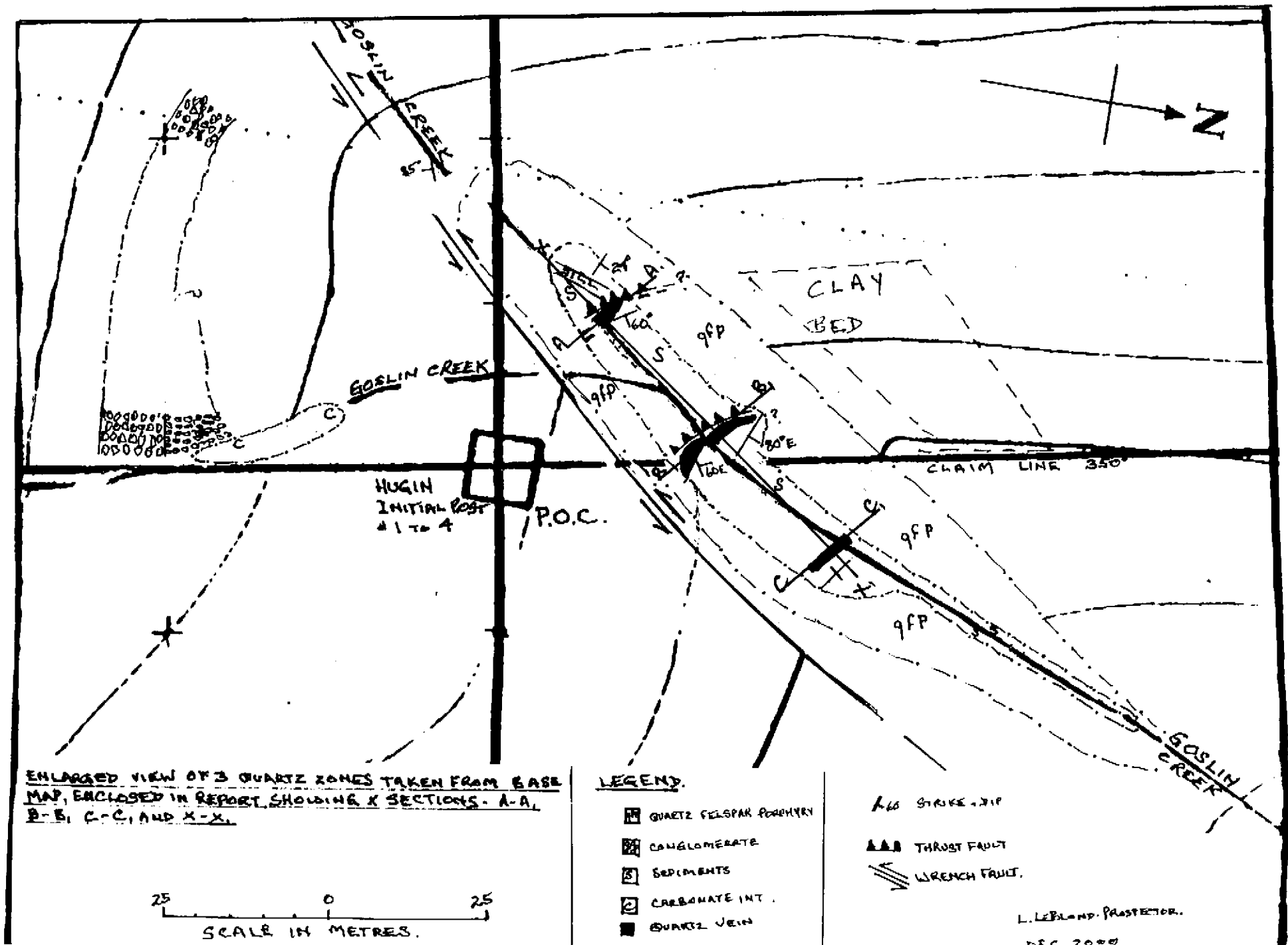
MAP 1



MUGIN CLAIMS.
N. JOREEN, B.C.

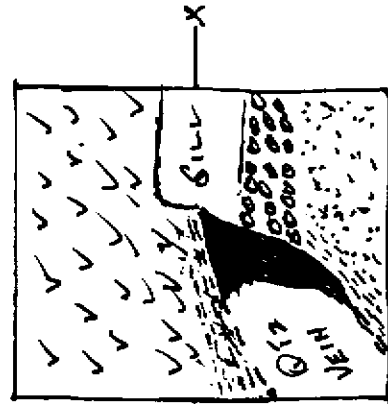
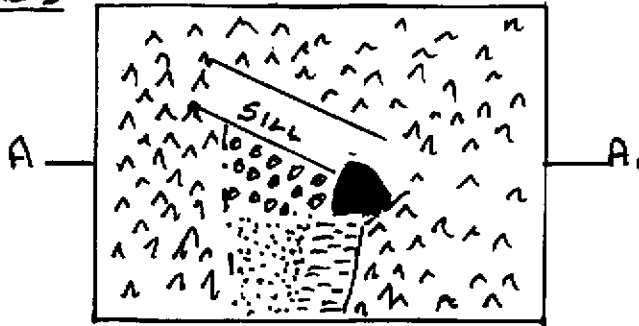
MAP 1
SCALE 1:12500,000
KILOMETRES
0 100 200 300 400 500 600 700 800

MAP

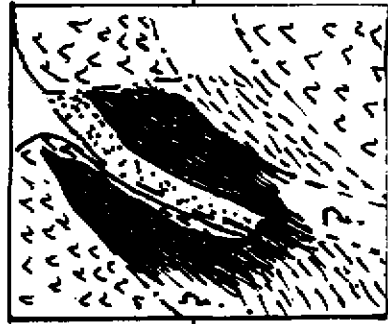
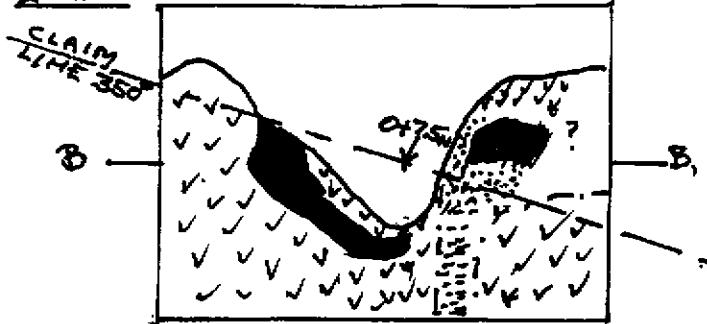


DIAGRAMATIC X SECTIONS ON ZONES 1-2-3 AT A-A, B-B, C-C + X-X.

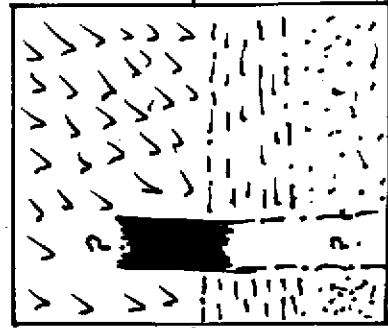
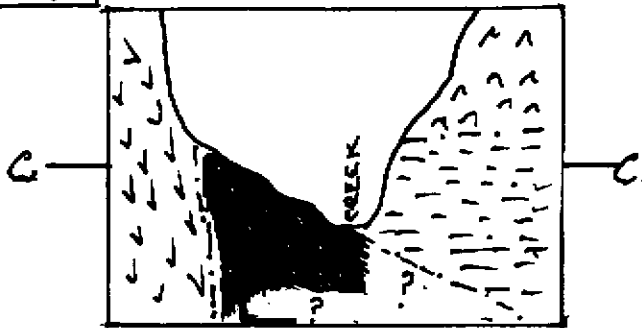
ZONE 1









ZONE 2



ZONE 3



KEY.

-  COAL SEDIMENTS
-  CONGLOMERATES
-  SCHISTED SEDIMENTS
-  GRANITE SERIES
-  RHYOLITE SILL
-  QUARTZ VEIN

NOT TO SCALE

ZONES A, B, C - 50 METRES APART
 ZONE 2. WIDTH FROM QUARTZ VEIN
 NORTH TO SOUTH. VEIN 40 METRES.
 RHYOLITE SILL ABOUT 4 METRES THICK.

L. LESLON
 PROSPECTOR
 DEC, 2000

INTRODUCTION

A. Geographic and Physiographic Position

The Hugin Property is located 52 Kms North of Terrace, B.C. or 150 Kms air miles East of Prince Rupert, B.C. or 5 Kms to the headwaters of Goslin Creek from Dorreen, B.C. on the Skeena River from Dorreen. Entrance is gained by helicopter from Terrace or Smithers, B.C. or hike from Dorreen, B.C.

B. Property Defined and Owners

The Hugin Property consists of 4 units, Tenure #s 340546 to 340549 inclusive. This property is owned by W.H. McRae of Terrace, B.C. and L. LeBlond of Terrace, B.C.

C. Key to Zones

For this report, the #1 Zone will be the most Westerly area, figures and Photo's will be marked for this Zone #1, see map and diagramatic X sections enclosed in this report. #2 Zone is the central showing located on the Claim Line at 0+70 north from the Initial Post for these claims. Zone 2 (the main showing) includes a show on the north side of Goslin Creek, a central show on the side of the creek striking into the creek and under the sediments on the north side of the creek also a showing on the south side 5 metres above the creek, Its not known if Zone 1 & 2 are the same vein but assumed to be at this time.

#3 Zone is 50 metres east (down) consists of a quartz vein with vertical dip. See map & X sections.

The creek dips 30 degrees east from Zone 1 to Zone 3 a distance of 100 metres.

Zone 1 is a run off creek only, a creek flows from the South past the Initial Post and forms the Goslin Creek at Zone 2 area.

D. Summary of Work Done and Date Carried Out

Work was carried out on an area with a massive sulphide, show suspected of having a quartz vein in the nearby area, this later proved correct. Three assays taken on oxydised breaks in the Volcanics ran 3.31 - 2.68 - 2.17 gms/tonne in gold. This area was opened up and found to be massive sulphides and later to reveal gas/solution vents from a quartz vein.

The work consisted of prospecting, opening up by hand seven showings within this area, sampling and mapping this zone, plus interim report to Gov Geo P. Wojdak for this area. This report covers the work done so far. This work was carried out from Aug 2, 2000 to Oct 26, 2000 a total of 38 working days was worked on this project.

E. Geology & Structure

See Map and Diagramatic X sections, North/South AA-BB-CC East/West XX, also Photos and assays all in this report, Film for Zone 3 was mislaid.

This area is part of the Hazelton volcanics of Jurassic age and Coast Intrusions - see Kindle .E.D. Mem 205.

A carbonate intrusion is exposed in a creek at 0+25S from the Hugin Initial Claim Post it intruded a conglomerate bed about 50 metres thick. This intrusion was seen in the creek between Zone 2 and 3 but not known if this was in place or float. The carbonate intrusion was most probably the reason for the quartz vein(s) in this area.

a Series of at least two thrust faults heading west see Diagramatic X section and Photos of Zone 1 and 2.

To the South by Hugin Initial Claim Post a East/West Wrench fault has moved the veins, needs more prospecting.

To the North a clay bed covers the area for an area 100X 50 metres to another fault striking E/W at 1+62N on the claim line this appears to have cut the vein(s) off, a lot of graphic/graphit sediments in this area.

Zone 3, the quartz vein strikes 035, dips vertical and at this time believed to be a separate vein or at least a different source.

F. Mineralization

Zone 1 and 2 appear similar in composition, both carrying arsenopyrite either massive crystals, blebs or smears, iron pyrite is also present Scorodite is seen on most of the most of the surfaces around the arsenopyrite, this was confirmed by P. Wodjak P. Geo in Smithers, B.C. Geologist for the Omineca area.

Zone 3 has some AsFeS but not as extensive, this vein

carries galena and blackjack not seen in Zones 1 & 2 leading to the conclusion this is a separate vein fed by a different source.

The quartz felspar porphyry has AsFeS and FeS (iron pyrite) in it giving it a red/brown colour on the surface, this forms the iron cap located east of Zone 2 on the north side, see photo #6.

The volcanics are in contact with the schisted sediment (conglomerate in places) are about 2 to 3 metres thick and can be seen in Photos on the north side of the creek for about 400 metres, the sediment are altered for about 35cms but do not carry much gold see assays #88 & 94. In Zone 2 the sediments in the creek are altered to graphite in places where the creeks join.

G. Sampling

Zone 1, sample was taken over 90 cm length (H80) on the edge of the show, needs blasting, H81 over 75 cms in the gouge.

H82 & H83 in 2 Vuggy veins over 30 cm & 15 cm.

Zone 2, main show (north) H84 to H88 over 1 metre lengths NB due to further study its now realized that this was sampled over the strike and not the width.

H89 over 2 metres on south show and H90 over 85cms

H91 & H92 over 2 metres and 38cms.

Zone 3, H93 taken over the width of 2 metres H94 in the contact sediments.

Sampling was done using a moil and canvas, placed in plastic bags and sent to Canada Assayers for assay.

H. Theory

Zones 1 & 2 are the same vein dips of 60 to 80 degrees if stretched out would give a depth of 50 metres at least the strike on the south moved due to a fault, north end open but could continue for a further 150 metres. Zone 3 is either a separate vein or due to its depth ie lower than Zone 1 & 2 has tapped into another source, or only part of the minerals reached zones 1 & 2 before the thrust faults cut the minerals off, if this is the case

more interesting sections would be lower down in the mountain, this would be the tip of the ice berg.

I. Recommendation

Further work is required.



Zone 1, Photo 1.

Showing Rhyolite Sill before opening up Quartz vein, Sill on top 1 metre thick conglomerate bed with sediment bed below .



Zone 1, Photo 2 .



Zone 1, Photo 3.

Zone 1, Photo 2. Looking NW to Quartz Vein and gouge, two vuggy veins H82, H83 can be seen.

Zone 1, Photo 3 above. Better view of footwall, Dip shown by stick held in place by prospecting hammer.

Zone 1, Photo 4. Looking down and west to vein and gouge.

The two vuggy gas/solution vents, shown on photo 2 the best, in the felsites extend across the creek but not in the creek bed below. Slight movement east and west but generally line up on each side of creek.

H82 and H83 were the samples taken and assayed on the vents, and H80 sampled on the quartz vein over 90 cms. H81 was taken over the gouge at 75cms in length.



Zone 1, Photo 4.

Above Photo 4 shows a better view of the gouge, samples of arsenopyrite with Scorodite and pyrite staining can be seen. Strike and dip taken on the footwall, 150/58E, this was difficult due to the bending and uneven surface.



Zone 1, Photo 5.

Looking East from Zone 1 towards Zone 2, 50 metres further on. Showing fractured volcanics and oxydization from the two gas/solution vents above the vein below. On top of the schisted sediments. retaining wall in the foreground.



Zone 2, Photo 6.

Looking North and along claim line at Iron Cap and main show outcrop after being exposed. Right side "South Show".



Zone 2 Photo 7.



Zone 2, Photo 8.

South Show vein and massive sulphides on footwall.
Qtz vein 2 metres plus 35 cms of sulphides. Vein on top of Qtz FeI
Por. Sediments below and in creek. Retain wall in place.



Zone 2, Photo 9.



Zone 3, Photo 10.

Looking North from Quartz vein at schisted sediments.
H94 sample taken at pink tape, on contact with vein.



Zone 3, Photo 11.



Quality Assaying for over 25 Years

Assay Certificate

0V-0465-RA1

Company: **Hugin Explorations**
Project:
Attn: **Leon LeBlond**

Oct-24-00

We hereby certify the following assay of 15 rock samples submitted Oct-12-00 by Leon LeBlond.

Sample Name	Au g/tonne	Au g/tonne	Ag g/tonne	Pb %	Zn %
H 80	0.04				
H 81	0.02				
H 82	0.84				
H 83	1.83	1.76			
H 84	0.03				
H 85	0.64				
H 86	0.35				
H 87	0.08				
H 88	0.02				
H 89	1.01				
H 90	0.60	0.59			
H 91	0.01				
H 92	0.14				
H 93	1.29		222.0	8.10	1.73
H 94	0.05				

Certified by _____

Credits;

Addey. G. P.Geo..Gov Geo (1984)
Personel Communication.

Kindie. E.D. Mem 205.

Wilton.P. P.Geo..Gov Geo (1984)
Personel Communication
and for Womo Report #10440.

and for all the Prospectors I've worked
with and met along the way;

Fredericks. Joe. N.W.T.

Stevens.Jack. N.W.T.

Remillong.Louis. Dorreen,B.C.

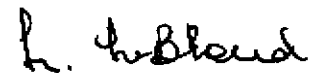
and

Ward. Phylis. Mining Clerk in Smithers,B.C.
for her advice and courtesy.

VITAE

L.LeBlond,

Three Federal Government prospecting courses in
the Northwest Territories. Completed Mineral Exploration
Course for prospectors (1984) in British Columbia.
Prospecting in Northwest Territories and British
Columbia for 36 years.



L.LeBlond

Prospector.

December 21, 2000.

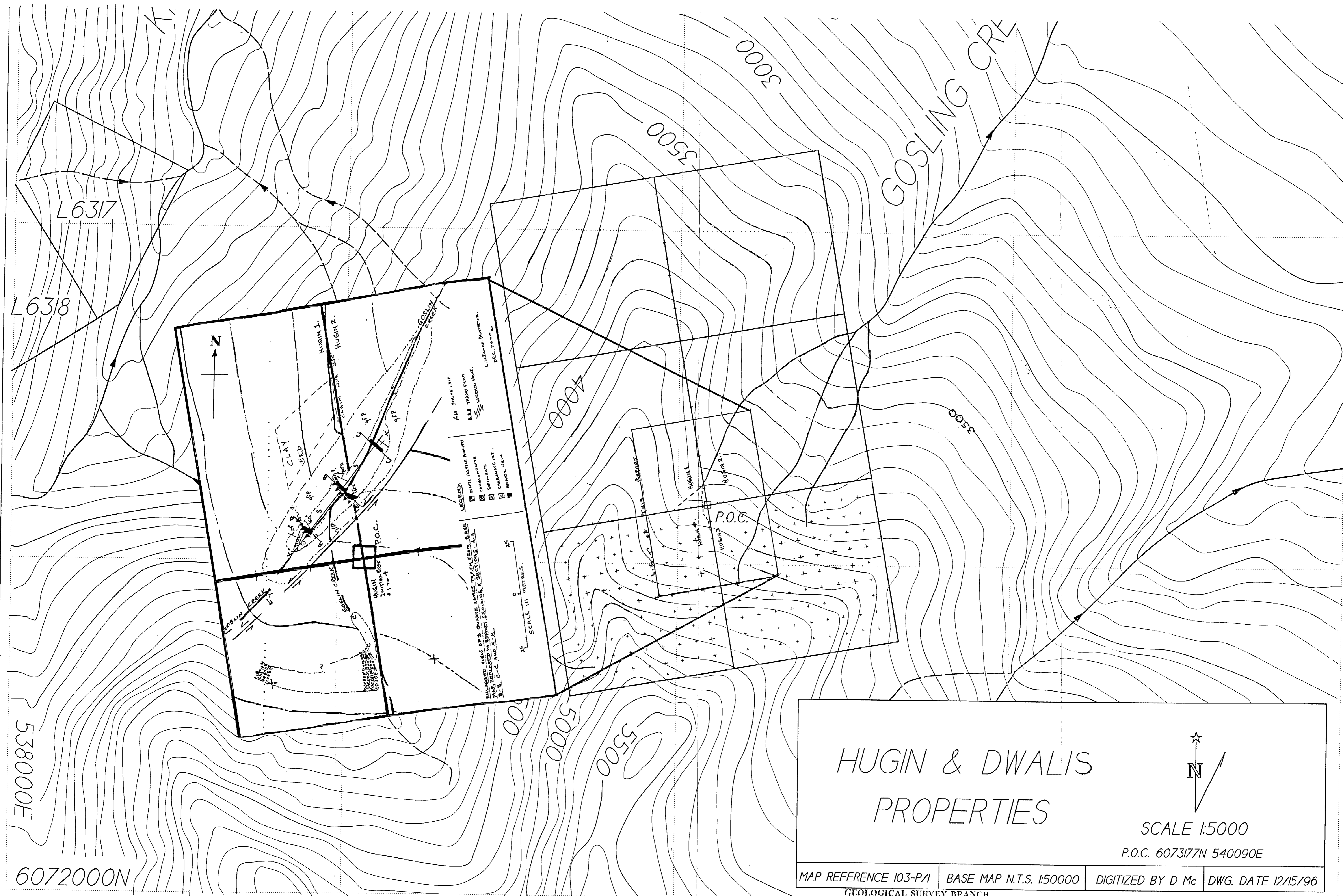
COST OF WORK

Prospecting, trenching, sampling, mapping and photography and making reports.

1 Man X 38 days @ \$150/day.....	5700.00
Food 38 days @ \$50 /day.....	1900.00
Travel.....	408.46
Assays & Freight.....	216.65
Office, cost of reports.....	590.00
	<hr/>
Total.....	\$8815.11

Work carried out and paid for by;

L. LeBlond
L. LeBlond
Prospector,
December 21, 2000.



**HUGIN & DWALIS
 PROPERTIES**

SCALE 1:5000
 P.O.C. 6073177N 540090E

MAP REFERENCE 103-P/1	BASE MAP N.T.S. 1:50000	DIGITIZED BY D Mc	DWG. DATE 12/15/96
-----------------------	-------------------------	-------------------	--------------------

GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT

538000E
 6072000N

26,430