

UMEX

UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED

SUITE 200 - 4299 CANADA WAY
BURNABY, B.C. V5G 1H4

TELEPHONE 437-9491

ASSESSMENT REPORT

ON

GEOLOGICAL MAPPING

ON

MINERAL CLAIMS

ND 1 to 8

Record Nos. 132468 to 75

Omineca Mining Division, British Columbia

56°N

125°30' W

(94C/4E)

by

Andre M. Pauwels

Alfred A. Burgoyne

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 5602 MAP

Work Dates: Aug. 19 - 24, 1974 July 7th - 15, 1975

Date: September 17, 1975

Owner: Union Miniere Explorations and Mining Corporation Limited

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FIGURES

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2	FIGURE 2	Geology	ND 1 - 8	1" = 400 feet	In Pocket

ND CLAIMS
ASSESSMENT REPORT

INTRODUCTION

The ND Claims is situated 38 miles northwest of Germansen Landing. Note Figure 1.

Mobilization and supply were done by helicopter in 1974, by a Hughes 500 Helicopter (Transwest Helicopters, Burnaby, B.C.) chartered for the season by Union Miniere and based in Black Lake and in 1975 by hourly chartered helicopter (Bell 206) out of Germansen Landing, B.C. (Northern Mountain Helicopter, Prince George).

The area was mapped initially in 1974 by Mr. J. Haskins (geology student, UBC), assisted by Mr. D. Wade (geology student, UBC), and under the supervision of A. Pauwels, B.Sc. (Geology) and in 1975 by A. Pauwels. The overall program was under the supervision of Mr. A. Burgoyne, P.Eng.

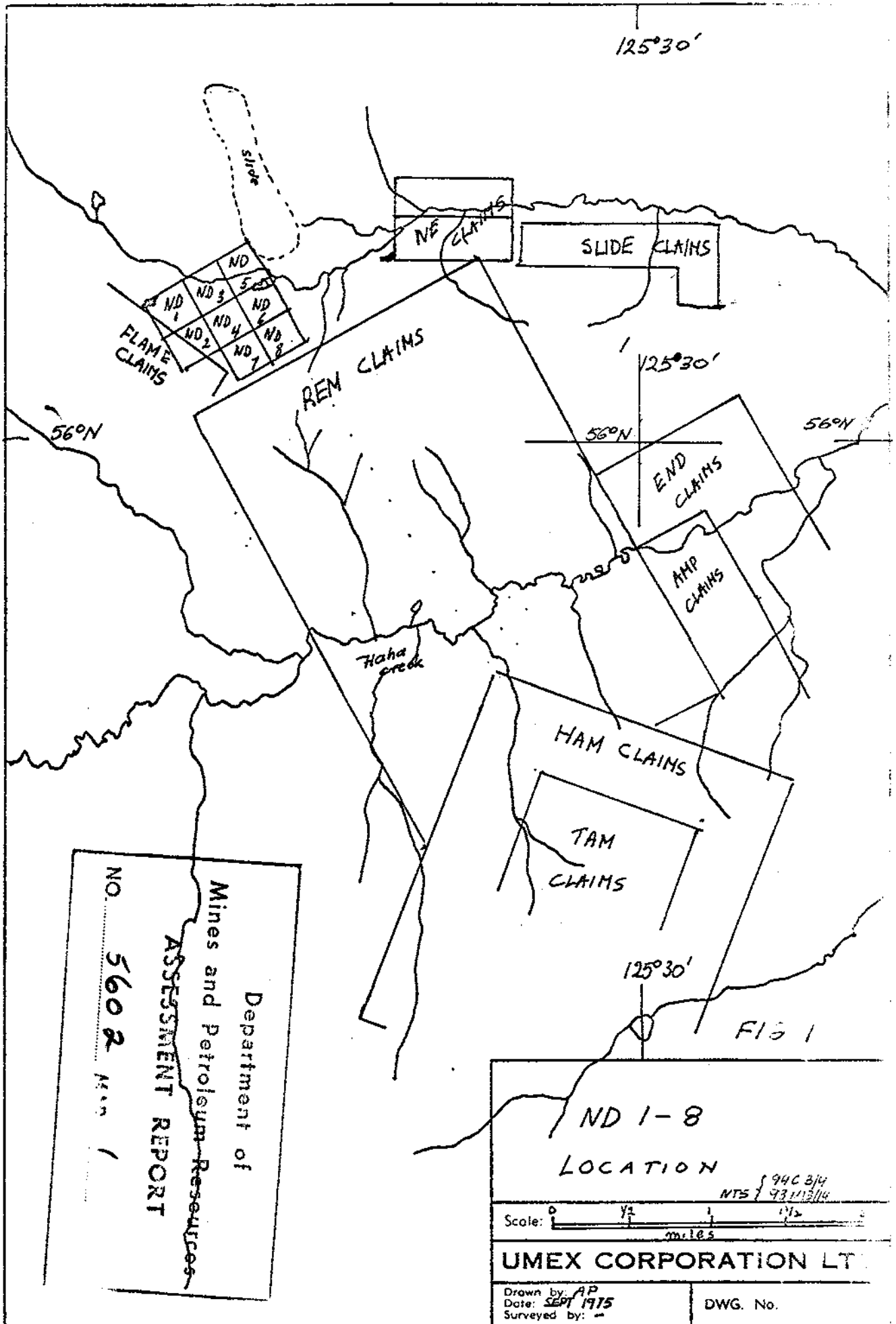
GEOLOGY

The ND claims are located on a northeasterly facing slope at the head of a tributary of HaHa Creek. Most of the property is situated above treeline at an elevation of 5000 to 6000 feet. An important portion of the property is covered by talus, other parts have only thin overburden and abundant outcrop. The southeastern part of the claim group is a steep cliff of difficult access.

The property is situated in the Hogem batholith; a multiphase magmatic body of lower jurassic to lower cretaceous age (Ref. 1 & 2), intruding the Takla volcanic sequences of upper triassic age. The results of the field mapping are presented on Figure 2.

Three different rocktypes were identified on the property:

<u>ROCK UNIT NO.</u>	<u>ROCK TYPE</u>	<u>DESCRIPTION</u>
3.	(Sy) Syenite	Pink, coarse grained, equigranular; composed of potassic feldspar (85 - 95%) and clusters of fine grained muscovite with traces of calcite (5 - 15%). Minor amounts of hornblende, epidote and biotite occur.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 5602 Min 1

ND 1-8
LOCATION
 Scale: 0 1/2 1 1 1/2 miles
 UMX CORPORATION LTD.
 Drawn by: AP
 Date: SEPT 1975
 Surveyed by: -
 DWG. No.

<u>ROCK UNIT NO.</u>	<u>ROCK TYPE</u>	<u>DESCRIPTION</u>
2.	(Fsy) Foliated	Grey to mottled pink and grey; fine grained, foliated, composed of mainly potassic feldspar and muscovite, variable amounts of biotite; overall of syenite composition. Foliae are composed of layers of predominantly mica and layers of predominantly potassic feldspar. This rocktype has locally disseminated fine grained pyrite and/or chalcopyrite. Small dykes similar to 3 cut through this unit.
1.	(Mo) Monzonite (diorite)	Medium to coarse grained, grey, composed of feldspar, hornblende and biotite. The mafic content is very variable (15 - 45%) even within small outcrops but mostly within monzonite composition. Dykes similar to 3 cut through this rocktype.

The syenite is part of the Duckling Creek Syenite (Ref. 1 & 2) of Lower to Middle Jurassic age. The Monzonite and diorite probably belongs to an older (Lower Jurassic) phase of the Hogem batholith. The chronological position of the foliated syenites is unclear, field relations suggest it to be older than the Duckling Creek syenite, but age relation with the monzonites or diorites could not be determined in the field.

The foliation trends approximately N 60° E, dipping vertically to 60° northwest. A fault zone is visible on the ridge on ND #1 Claim and is parallel to the general foliation trend. Small similar faults were noticed on the property.

As mentioned before, lean pyrite and chalcopyrite disseminations in foliated syenite, (along the foliae) can be found in several locations.

Small quartz veins with massive Bornite (up to 2" wide) were found in situ, in monzonite on the south westerly part of the claims.

A.M. Pauwels

A.M. Pauwels, B.Sc.

A.A. Burgoyne

A.A. Burgoyne, P.Eng.

- Ref. 1: J.A. Garnett, 1974 - Geology and Copper - Molybdenum Mineralization in Southern Hogen batholith. North Central B.C. CIM Vol. 67 No. 749
- Ref. 2: T.A. Garrett, 1972 Preliminary geological map of part of Hogen batholith Duckling Creek area, BCDM prel. Map #9 and Geology, Exploration and Mining in B.C. 1971, pp. 203 - 210

STATEMENT OF EXPENDITURES

ND 1-8 Claims

1974

1) Personnel (Field)	
J. Haskins, August 19-24/74, 6 days @ \$28/day	\$168.00
D. Wade, August 19-24/74, 6 days @ \$21.55/day	129.30
2) Personnel Maintenance (Food, Lodging)	
12 days @ \$10/day	120.00
3) Helicopter Mobilization and Support (Hughes-500, Transwest Helicopters)	
1 hour @ \$230/hr.	230.00

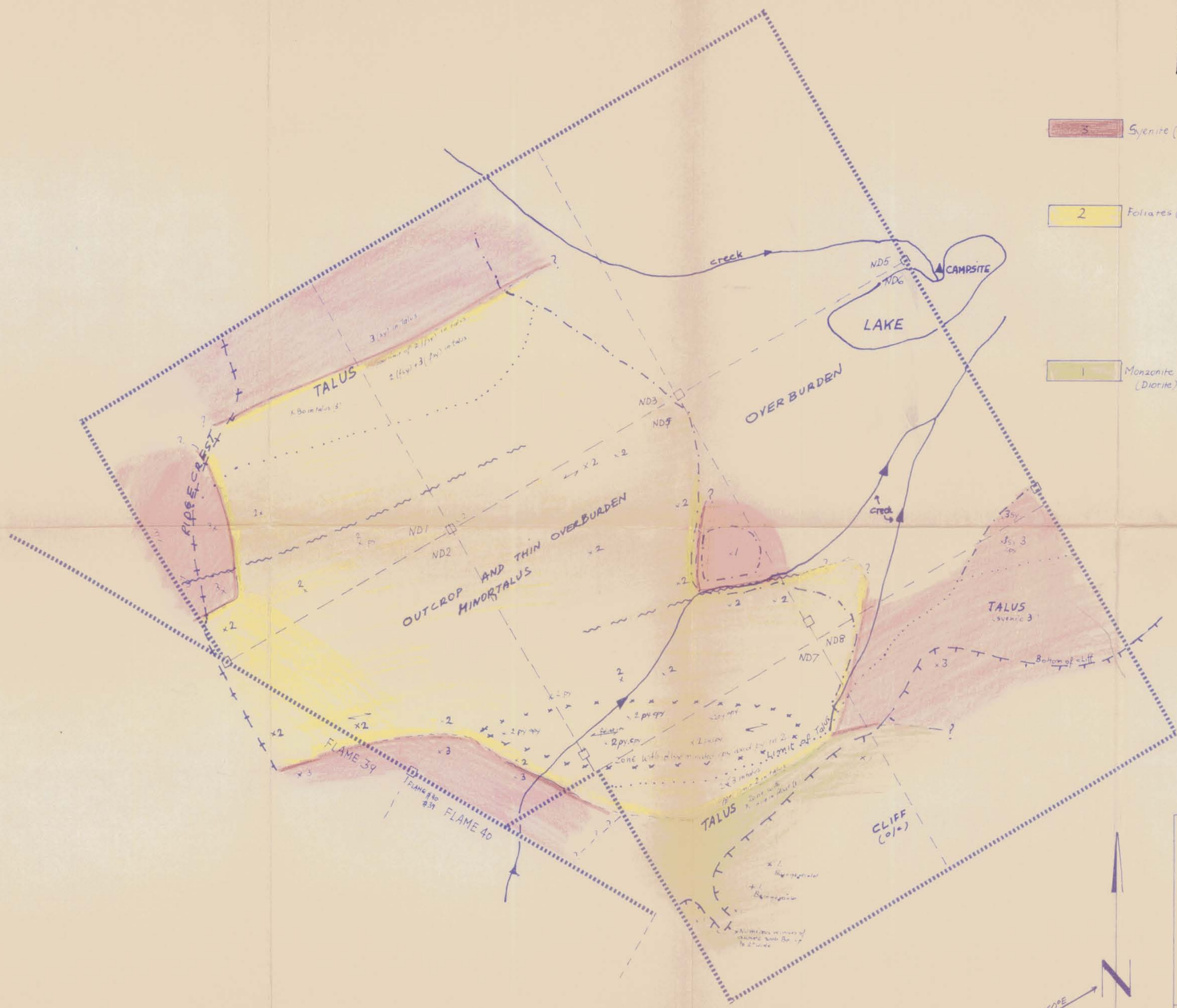
1975

1) Personnel (Field and Office)	
A. Pauwels, July 7/75 in field @ \$81.93/day	81.93
A. Pauwels, July 15/75 in office (maps, report) @ \$74.93/day	74.93
2) Personnel Maintenance (Food, Lodging)	
1 day @ \$12.50/day	12.50
3) Helicopter Mobilization (206 Bell, Northern Mountain Helicopters, Prince George)	
July 7/75, 0.8 hr. @336/hr.	268.80
	<hr/>
	\$1,085.46
	<hr/> <hr/>

LEGEND

- 3 Syenite (sy) Pink, coarse grained, equigranular; composed of potassic feldspar (85-95%) and clusters of fine grained muscovite with traces of calcite (5-15%). Minor amounts of hornblende, epidote and biotite occur.
- 2 Foliated (fsy) Grey to mottled pink and grey, fine grained foliated; composed of mainly potassic feldspar and muscovite, variable amounts of biotite; overall of syenite composition. Foliae are composed of layers of predominantly potassic feldspar and layers of predominant-Lymica. This rocktype has locally disseminated fine grained pyrite and/or chalcopyrite. Small dykes similar to 3 cut through this unit.
- 1 Monzonite (Diorite) Medium to coarse grained, grey, composed of feldspar, hornblende and biotite. The mafic content is very variable (15 to 95%) even with small outcrops, but mostly within monzonite composition. Dykes similar to 3 cut through this rocktype.

- Claim boundaries (outside ND-group assumed precise)
- Geologic boundary (assumed precise)
- x x x Zone of disseminated pyrite and py
- x mapping station, sample location
- ~~~~ Fault (defined, assumed)
- ~> Creek, direction of flow
- Bottom of cliff
- ++ Crestline of Ridge
- ... Limit of Talus
- - - Limit of outcrop/overburden
- Strike of foliation
- Campsite
- ND8 claim name
- bo Borite
- cpv chalcopyrite
- py pyrite
- qz quartz



Observations by J. Haskins (1974)
A. Pauwels B.Sc. (1974, 75)

To accompany Assessment Report on Geology of ND1-8 claims
Cominco Mining Division, by AA Burgoyne, P.Eng. and A. Pauwels B.Sc.
Sept 18 1975

A. G. Burgoyne
Audi Pauwels

**ND CLAIMS
GEOLOGY**

NTS 94C4.

Scale: 1" = 400'

UMEX CORPORATION LTD.

DRAWN BY AP
DATE Dec 74, July 75
SURVEYED BY H.P.

DWG. No.