

2788

Part
2 of 2

MOX, SB-VENUS, CN-MARS
GROUPS OF CLAIMS
GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL
REPORT by J.P. GUELPA, Geol.
December 1970
Field work August 1, 1969 -
June 30, 1970

*placed
in copy to Foreign department
9/25/70 JHE*

2788
PART 2
OF 2

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 MAP #1

SOUTH SEAS MINING LTD

CLAIMS
LAYONNAGE
SURVEY GRID

DESSIN : A. A. HUMBERT
Drawn by
DATE : NOVEMBRE 1969
November 1969

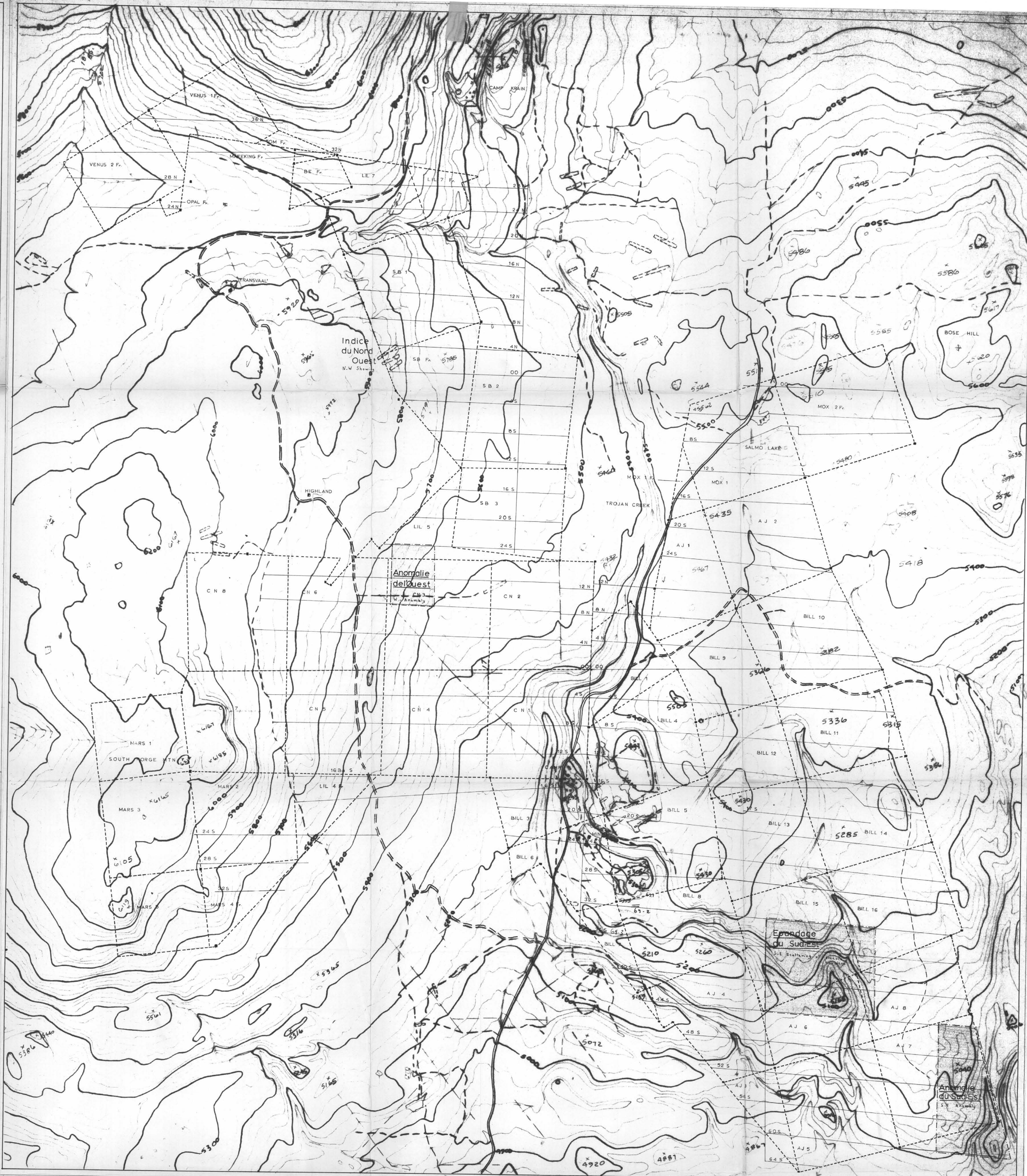
1"=500'

LEGENDE

- Limite de claim.
Claim boundary
- VENUS Nom de claim
Claim name
- 20 N Numérotation des layons
Line numbers

Etude de détail
Detailed study

REMARQUE



To accompany geological, geophysical and geochemical report, by JP GUELPA geologist, on the MOX, S.B VENUS, CN-MARS Groups of claims 18 miles South-East of Ashcroft (Highland Valley)

Samloops Mining Division dated December 10, 1970

JP GUELPA

Guelpa



N
APP. BOX

63-280

500
V. I. - 25'

PROF. MANUSCRIPT
BASED ON 1:50000 MAPS REF. 921/10W 11E

2788 M-1



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 2788

2788 M-1

2788
 re-arrange of base.

SOUTH SEAS MINING LTD

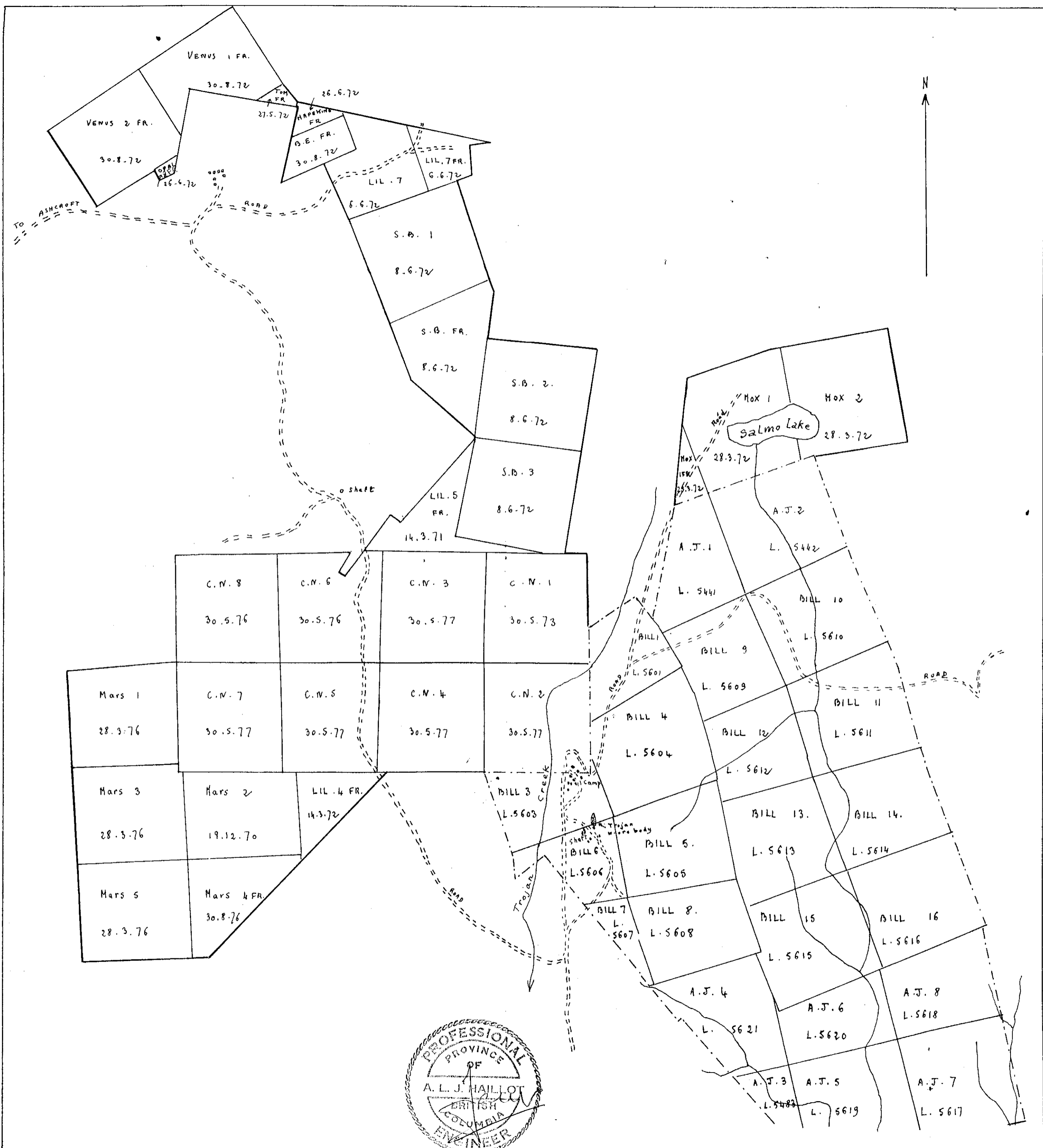
Anniversary Map

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 2788 MAP #2

BY : J.P. Guelpa

Date : May 20, 1970

30.5.75 - Expiration of claims



To accompany geological, geophysical and geochemical reports, by J-P GUELPA geologist on the MOX, S.B., VENUS, C.N., MARS groups of claims 18 miles South-East of Ashcroft (Highland Valley) Kamloops Mining Division dated December 15, 1970 J-P GUELPA

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 MAP

SOUTH SEAS MINING LTD

GEOLOGIE
GEOLOGY

ECHELLE : 1"=500'
Scale

SECTEUR EST
AUTEUR : P. SONNENDRUCKER
G. COUPELLIER
DATE : DECEMBRE 1969

SECTEUR OUEST
J. P. GUELPA
A. HUMBERT

LEGENDE

PETROGRAPHIE

QUATERNAIRE

13 RECOUVREMENT GLACIAIRE INDIFFERENCE
General overburden

TERTIAIRE (EOCENE MOYEN)

12A KAMLOOPS GROUP 12A-AGGLOMERATS, TUFFS (Lags, tuffs)
12B-LAVES-BASALTE, ANDESITE, (RHYOLITE)

SECONDAIRE (TRIAS SUPERIEUR A JURASSIQUE MOYEN) TRIAS and JURASSIC

GUICHON CREEK BATHOLITE

11 BRECHE (MINE DE TROJAN)
Breccia

ANDÉSITE (FILONS)
Andesite

9 QUARTZ PORPHYRY, QUARTZLATITE

8 DACITE PORPHYRY, BROWN PORPHYRY

7 GRANODIORITE A GRAIN FIN
Fine grained granodiorite

6 DIORITE A GRAIN FIN, SUBOPHTHIQUE
Subophitic fine grained diorite

5 QUARTZ MONZONITE (BETHELEM PHASE OU WITCHES BROOK PHASE)

4 ZONE A FORTE FRACTURATION ET A CIMENT ABONDANT
Strongly fractured with abundant blebs cement zone

3 ZONE A GUICHON FRACTURE ET A CIMENT
Fractured Guichon with blebs cement zone

2 ZONE A GUICHON FISSURE AVEC EPIDOTE
with epidote coated fissures

1 GUICHON GRANODIORITE NORMALE
Normal Guichon granodiorite

BETHELEM
PORPHYRIES

HIGHLAND VALLEY
PHASE
GUICHON
VARIETY

MINERALISATION

● CHALCOPYRITE

● MALACHITE

● CHRYSOCOLLE

STRUCTURE

JOINTS, DIACLASES
Joints

FISSURES, FRACTURE A DIRECTION MESURABLE
Fissures and fracture

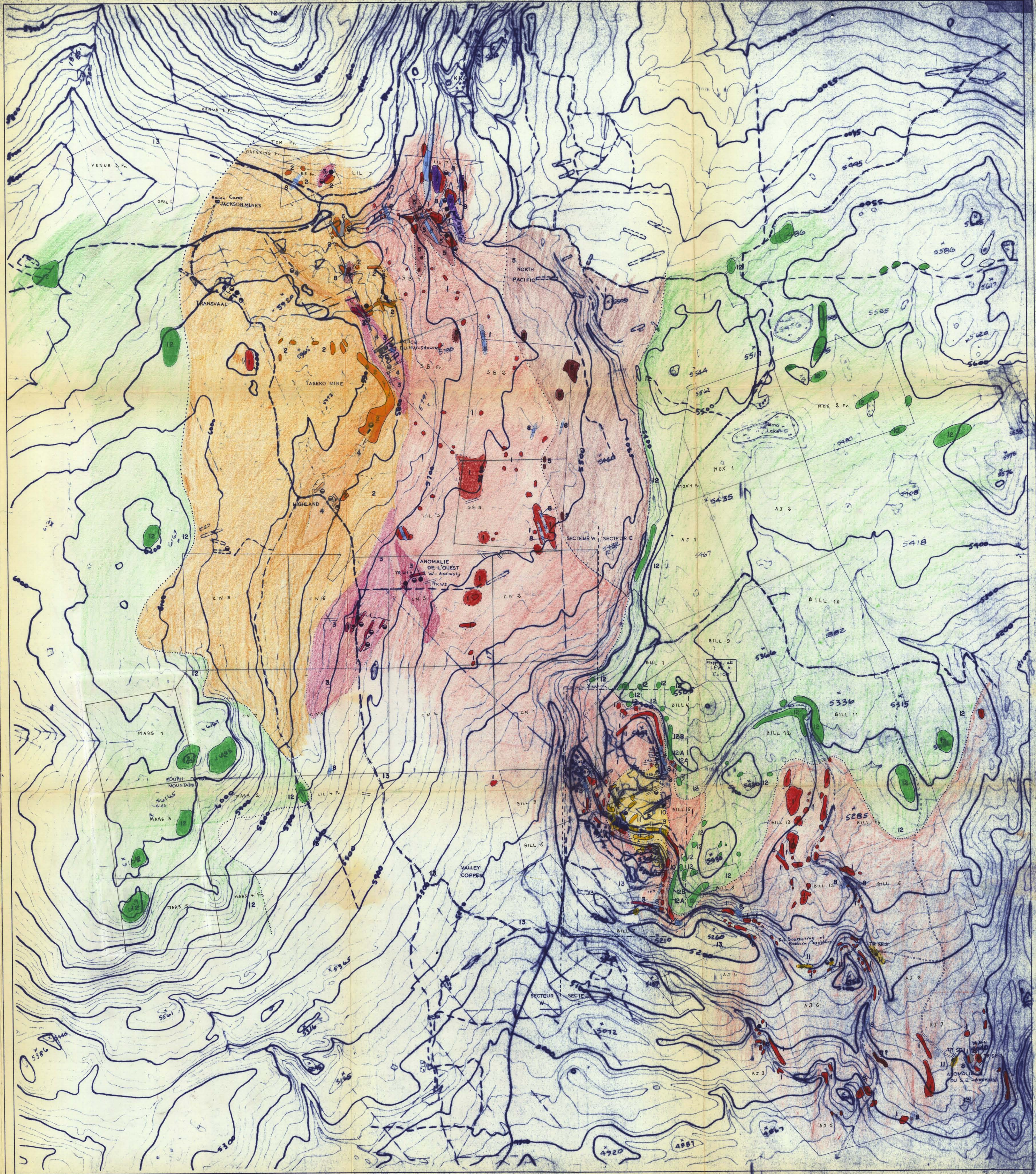
FAILLES
Fault

AFFLEUREMENTS
Outcrops

○ SUB AFFLEUREMENT OU
AFFLEUREMENT INCERTAIN
Sub outcrop

LIMITES DE ZONES
zone boundaries

LIMITES D'UNITES
Unit boundaries



To accompany geological, geophysical and geochemical report, by
JP GUELPA geologist, on the MOX, 50-VENUS, CN-MARS Green
claims 18 miles South-East of Buxcroft (Highland Valley)
Kamloops Mining Division, dated December 16, 1970
JP GUELPA
quebec
PROFESSIONAL
ENGINEER

68-280
SCALE 500 FT
TO 1 INCH
V.I. - 25'
PENCIL
MANUSCRIPT
BASED ON 1:50000 MAPS REF. 92 I/10 W 112

2788 M-3

STANDARD SHEET COORDINATES
WEST 1000000
1960 WEST PAPER SYSTEM
WASHINGTON D.C.

PECHINEY DEVELOPMENT LTD

PLAN

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 M-3

SOUTH SEAS MINING LTD

GEOLOGIE
GEOLOGY

ECHELLE : 1"=500'
Scale

SECTEUR EST
AUTEUR : P. SCHNEIDERUCKER
A. COUETILLIER
DATE : 10 DECEMBRE 1969

SECTEUR OUEST
AUTEUR : J. P. GUELPA
A. HUMBERT

LEGENDE

PETROGRAPHIE

QUATERNAIRE

13 RECOUVREMENT GLACIERE INDIFFERENCE
Glacial overburden

TERTIAIRE (EOCENE MOYEN)

12 KAMLOOPS GROUP
12A: AGGLOMERATS, TUFFS (agglomerates, tuffs)
12B: LAVES BASALTE, ANDESITE, (RHYLITE)

SECONDAIRE (TRIAS SUPERIEUR A JURASSIQUE MOYEN)

GUICHON CREEK BATHOLITE

11 BRECHE (MINE DE TROJAN)
Breche

10 ANDESITE (FILONS)
Andesite

9 QUARTZ PORPHYRY, QUARTZLATITE

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Fine grained granodiorite

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1 GUICHON GRANODIORITE NORMALE
Normal Guichon granodiorite

HIGHLAND VALLEY
PHASE
GUICHON
VARIETY

MINERALISATION

- CHALCOPYRITE
- MALACHITE
- CHRYSOCOLLE

STRUCTURE

- JOINTS, DIACLASES
- FISSURES, FRACTURE A DIRECTION MESURABLE
- FAILLES
- AFFLEUREMENTS
- SUB AFFLEUREMENT OU AFFLEUREMENT INCERTAIN
- LIMITE DE ZONES
- LIMITE D'UNITES

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 2788

2788 M-3

2788 M-3
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AUGUST, 1977



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2788 MAP #4

SOUTH SEAS MINING LTD

MAGNETISME
MAGNETISM

Echelle : 1" = 500'

Scale

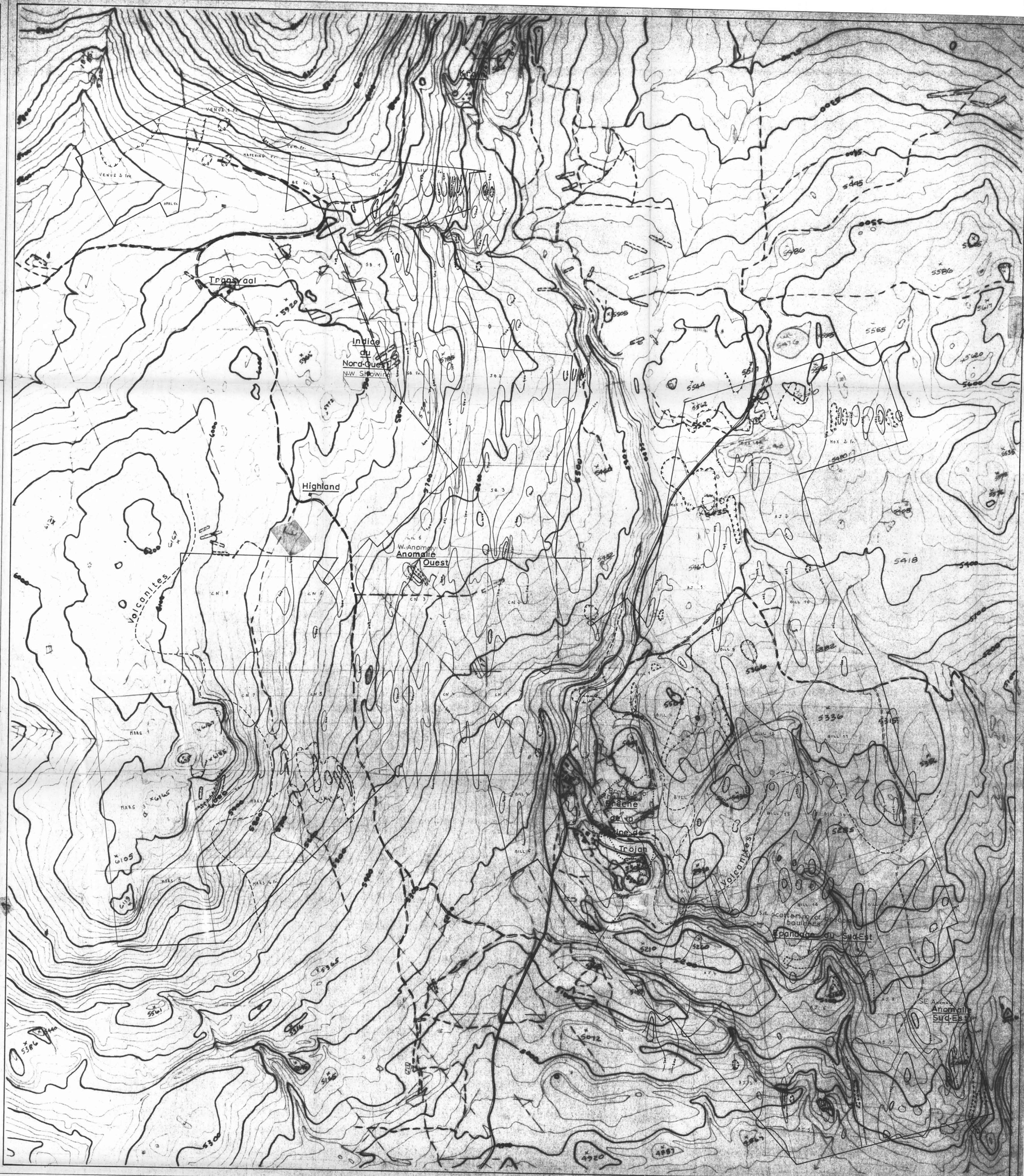
Dessiné par : J.P. Guelpa

Date: DECEMBRE 1969

LEGENDE

Courbes isogammes
Isogams

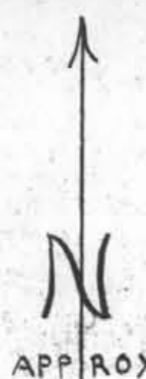
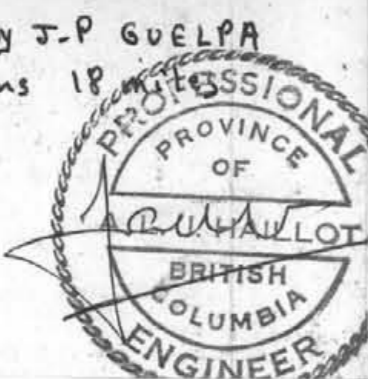
+1000 g
+700 g
+400 g
0
-400 g
-1000 g



To accompany geological, geophysical and geochemical report, by J.P. GUELPA
geologist, on the MAX, SB-VENUS, CN-MARS groups of claims 18
South-East of Ashcroft (Highland Valley)

Banjoite Mining Division dated December 10, 1970

J.P. GUELPA



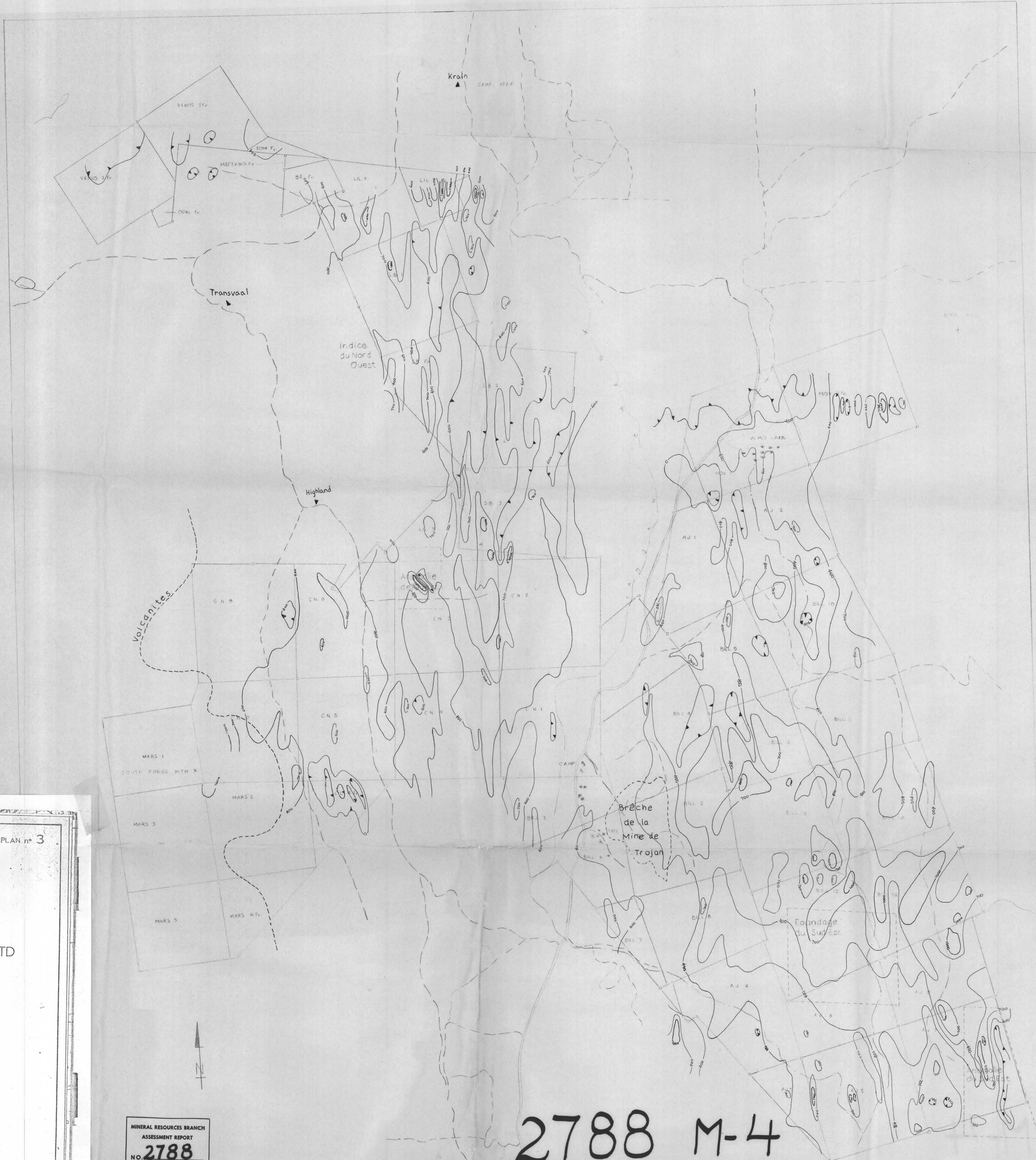
68-280

PENCIL
MANUSCRIPT

SCALE 500 FEET
TO 1 INCH
V.I. - 25'

TECHNICAL DRAWING MAP COURTESY PLAN 1:5000 MANUSCRIPT
BASED ON 1:50000 MAPS REF. 92 I/10W 116

2788 M-4



PECHINEY DEVELOPMENT LTD PLAN n° 3

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 MAP 4

SOUTH SEAS MINING LTD

MAGNETISME
MAGNETISM

Echelle
Scale 1" = 500'

Dessiné par: J. P. Guelpa
Date: DECEMBRE 1969

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 2788

2788 M-4

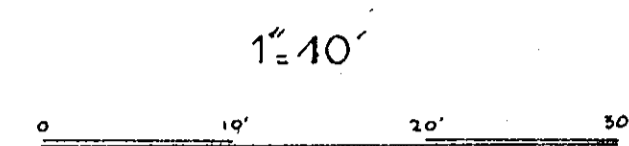
2788
M-4
COPIED FROM ORIGINAL
DEPT. OF MINES & PET. RES.
AUGUST, 1977

88

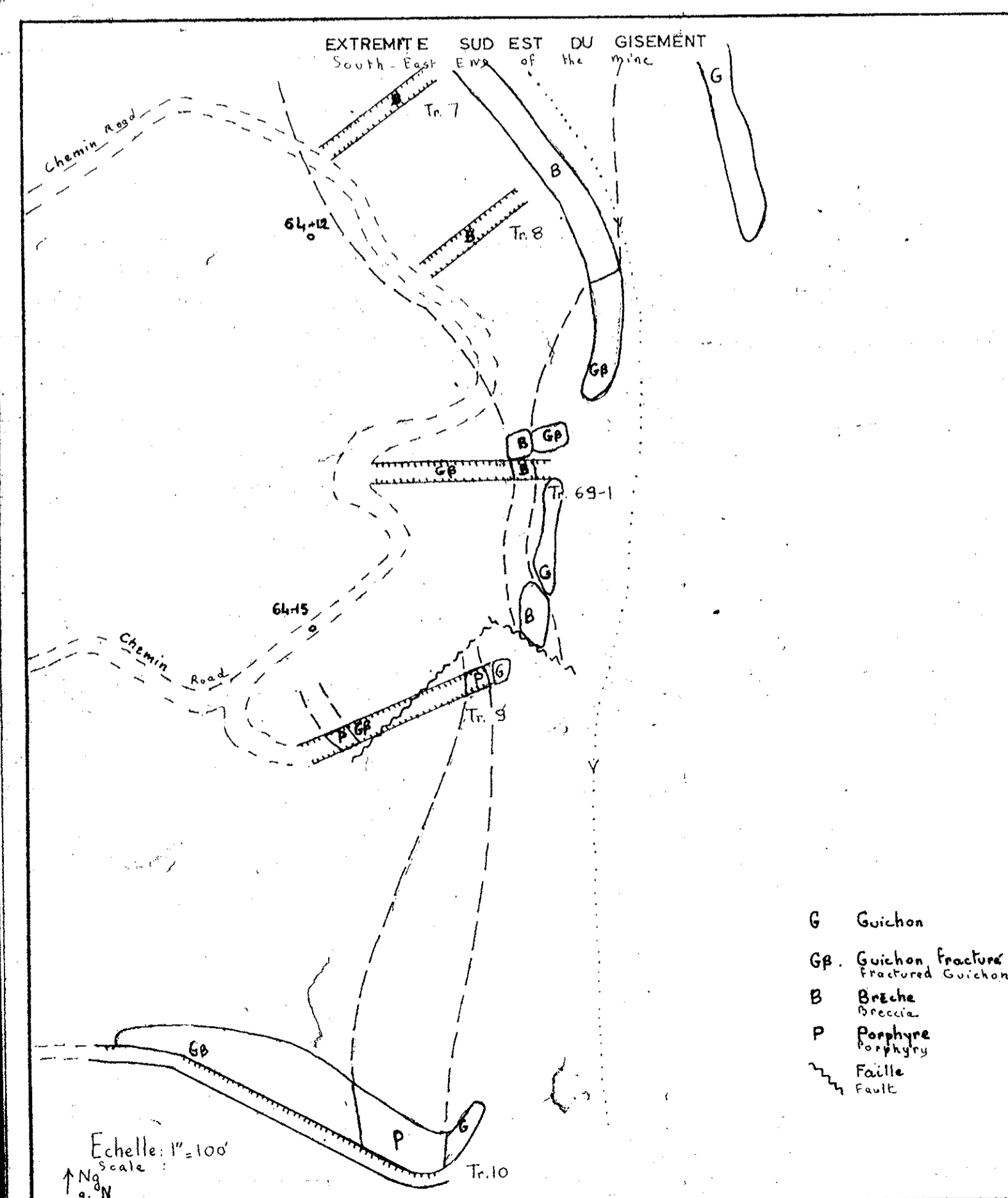
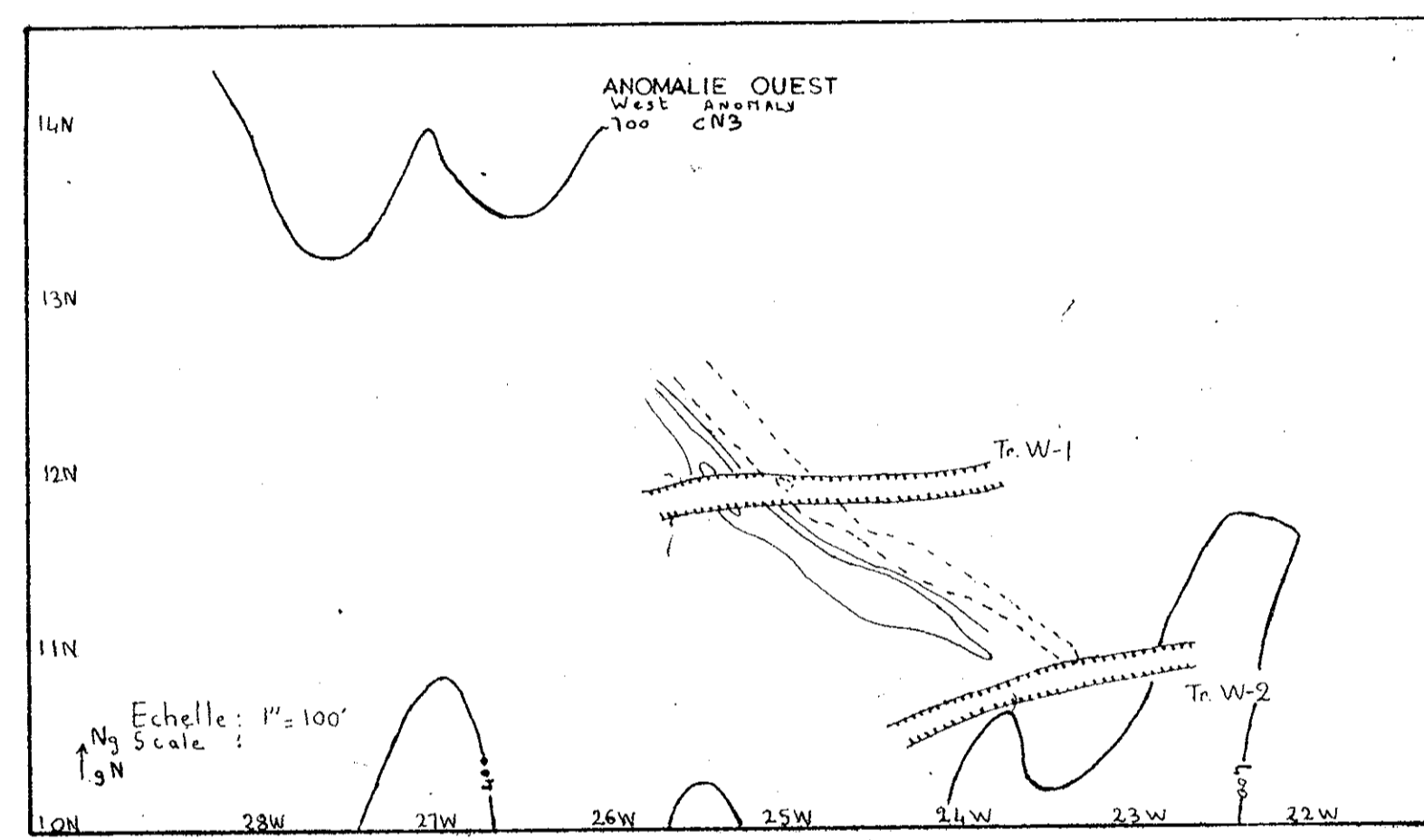
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 MAP

SOUTH SEAS MINING LTD

COUPES DES TRANCHÉES
TRENCH SECTIONS



AUTEUR: J.P. GUELPA
BY
DATE: OCTOBRE 1969
OCTOBER 1969



G Guichen
Gp. Guichen Fracture
B Brèche
P Porphyre
C.C. Ciment noir en Zébré
F Faille

LEGENDE

- +++ Guichen
- Guichen Fracture
- Brèche
- AAA Porphyre
- Ciment noir en Zébré
- ~ Faille
- .. Cp. Chalcoppyrite
- .. Mal. Malachite
- .. Mag. Magnésite
- .. Ol. Olivine
- .. ol. sp. Olivine

TENEURS Grade

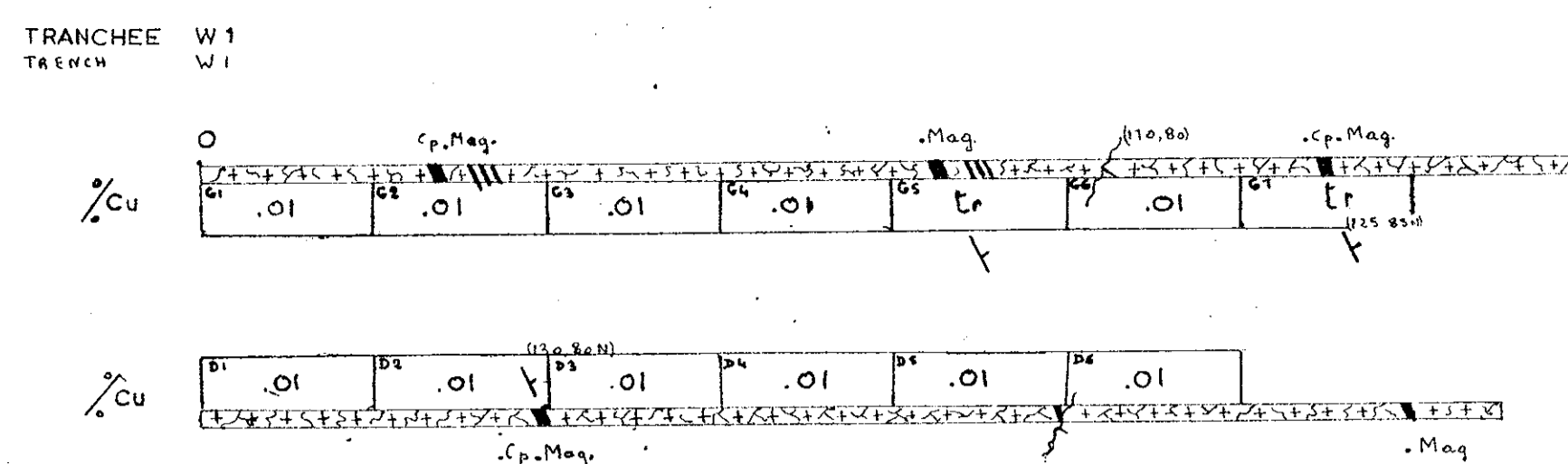
Echantillon n°

%Cu	.05	Résultats d'analyse Résultats
ppm	788	(Bethléem 1969)
		Contrôle résultats par (Coulter) 1969

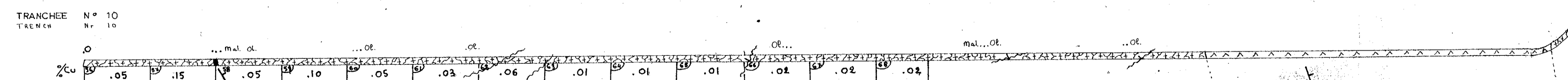
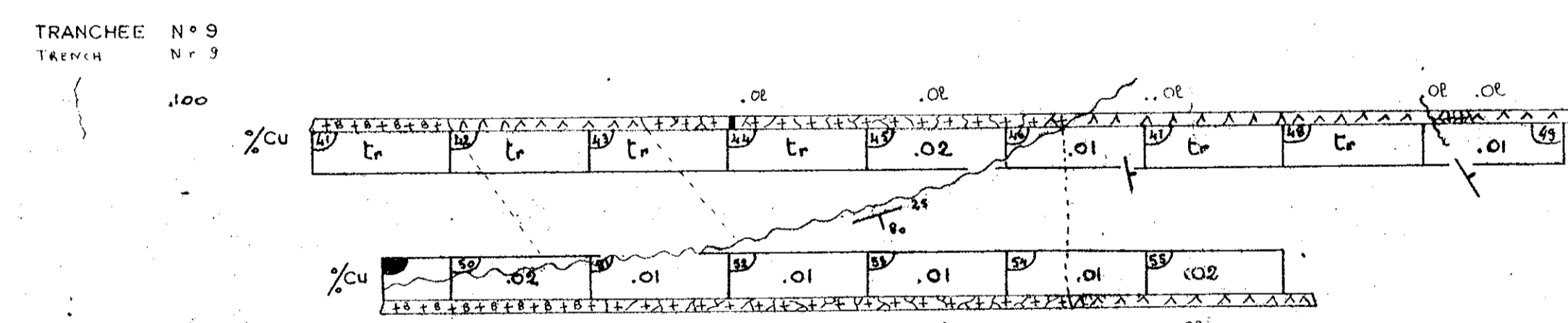
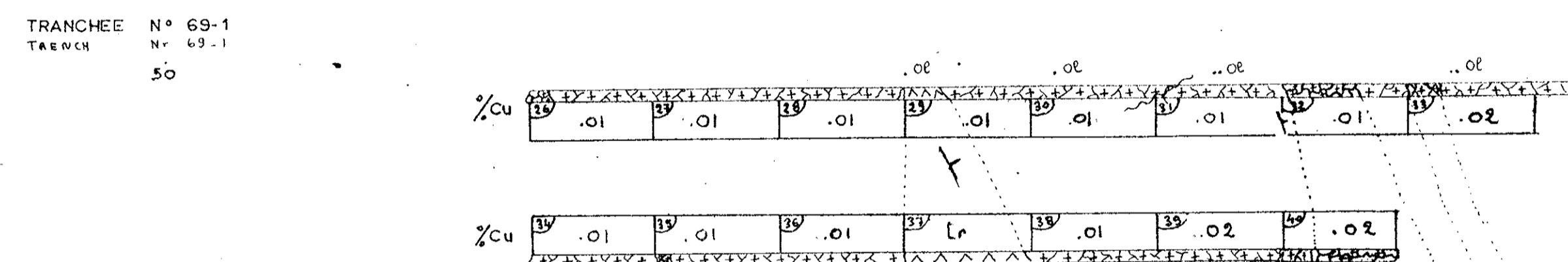
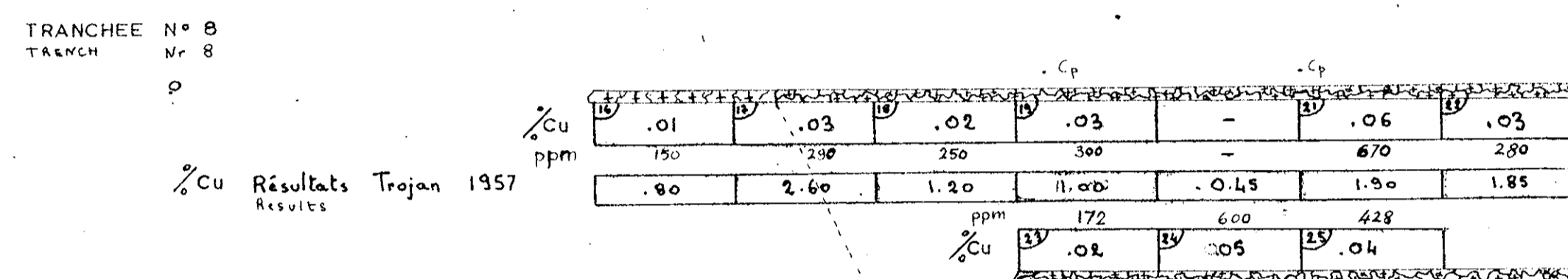
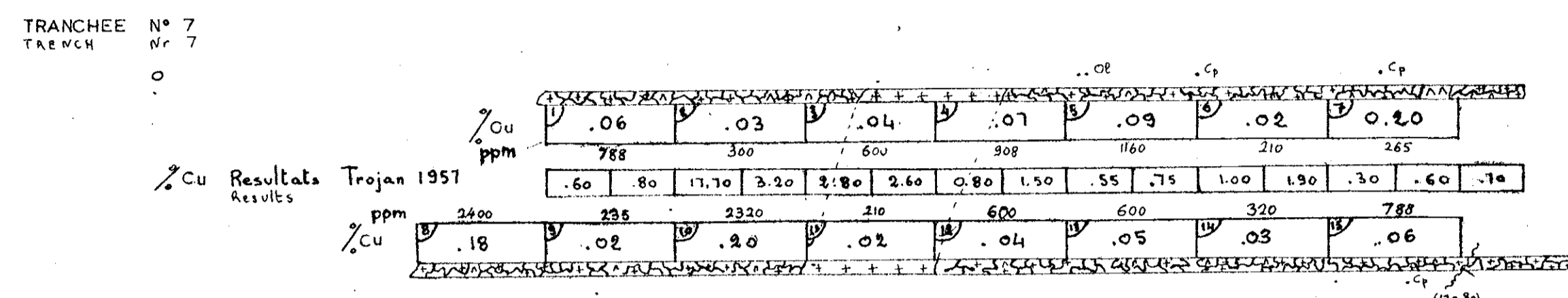
%Cu

.60	.80	Résultats d'analyse Résultats
		(Trojan 1957)

ANOMALIE OUEST - WEST ANOMALY

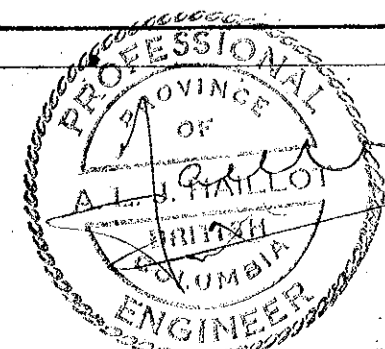


EXTREMITE SUD EST DU GISEMENT
SOUTH-EAST END OF THE MINE



2788 M-5

To accompany geological, geophysical and geochemical report, by J.P. GUELPA geologist, on the Hox, S.O. VEUVUS, CH-MARS groups of claims 18 miles South-East of Ashcroft (Highland Valley) Kamloops Mining Division dated December 16, 1970 J.P. GUELPA



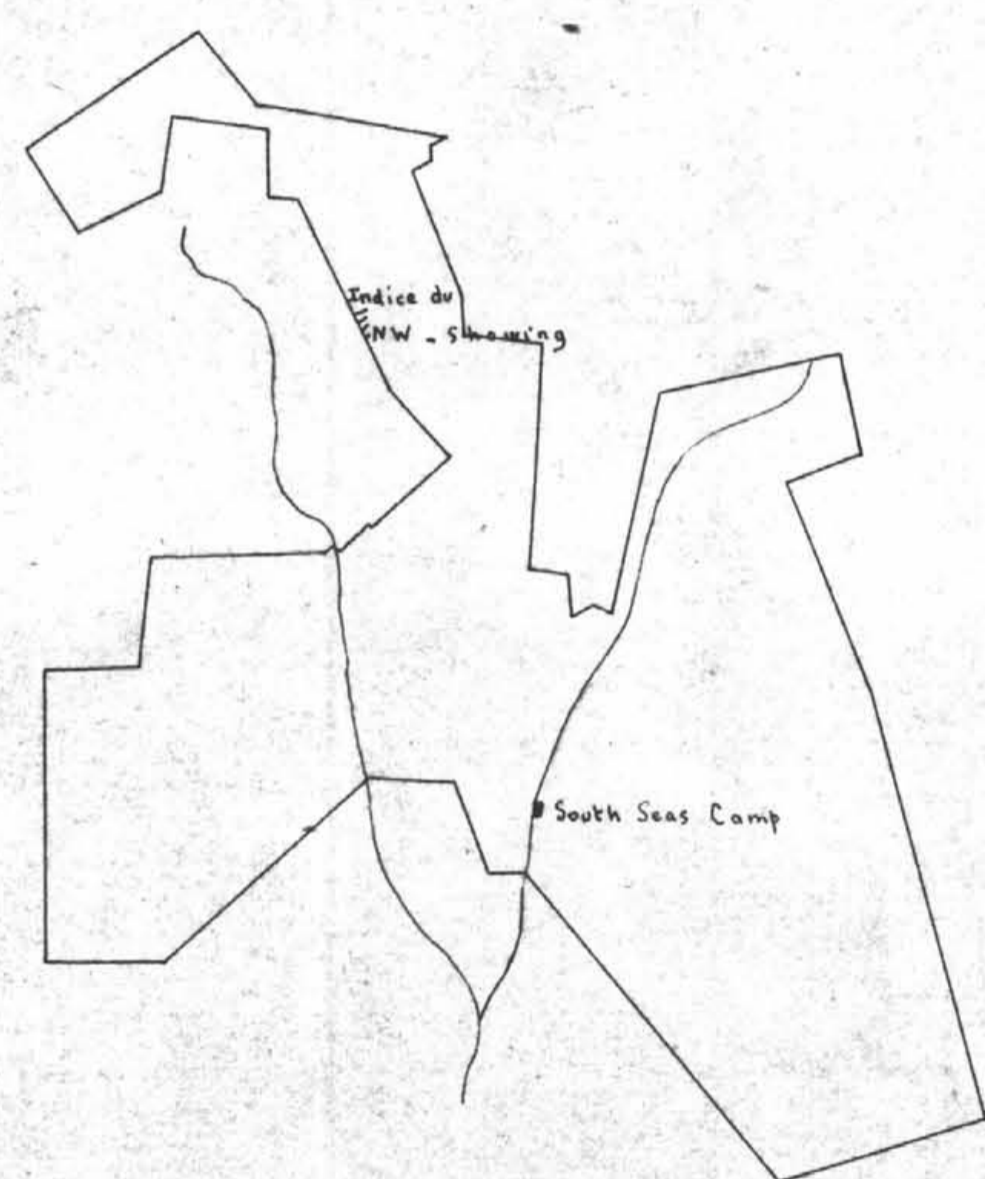
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 M.P. 46

SOUTH SEAS MINING LTD SONDAGES A PERCUSSION

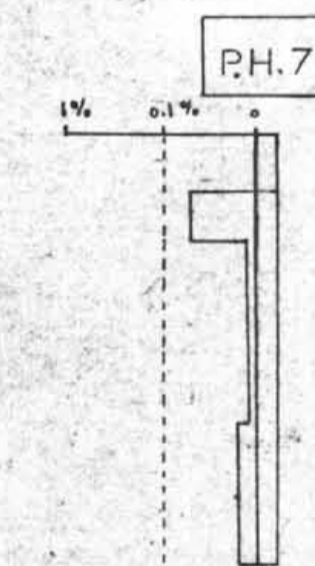
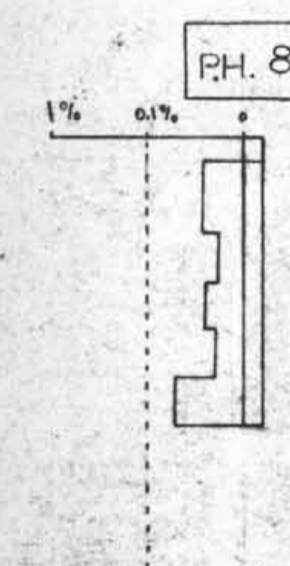
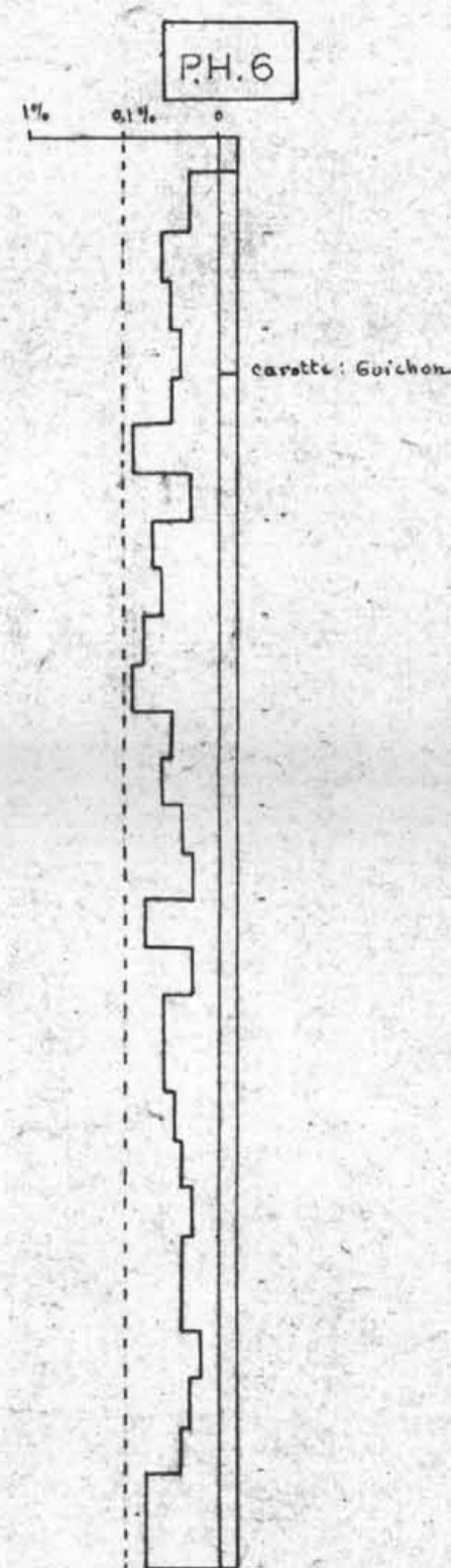
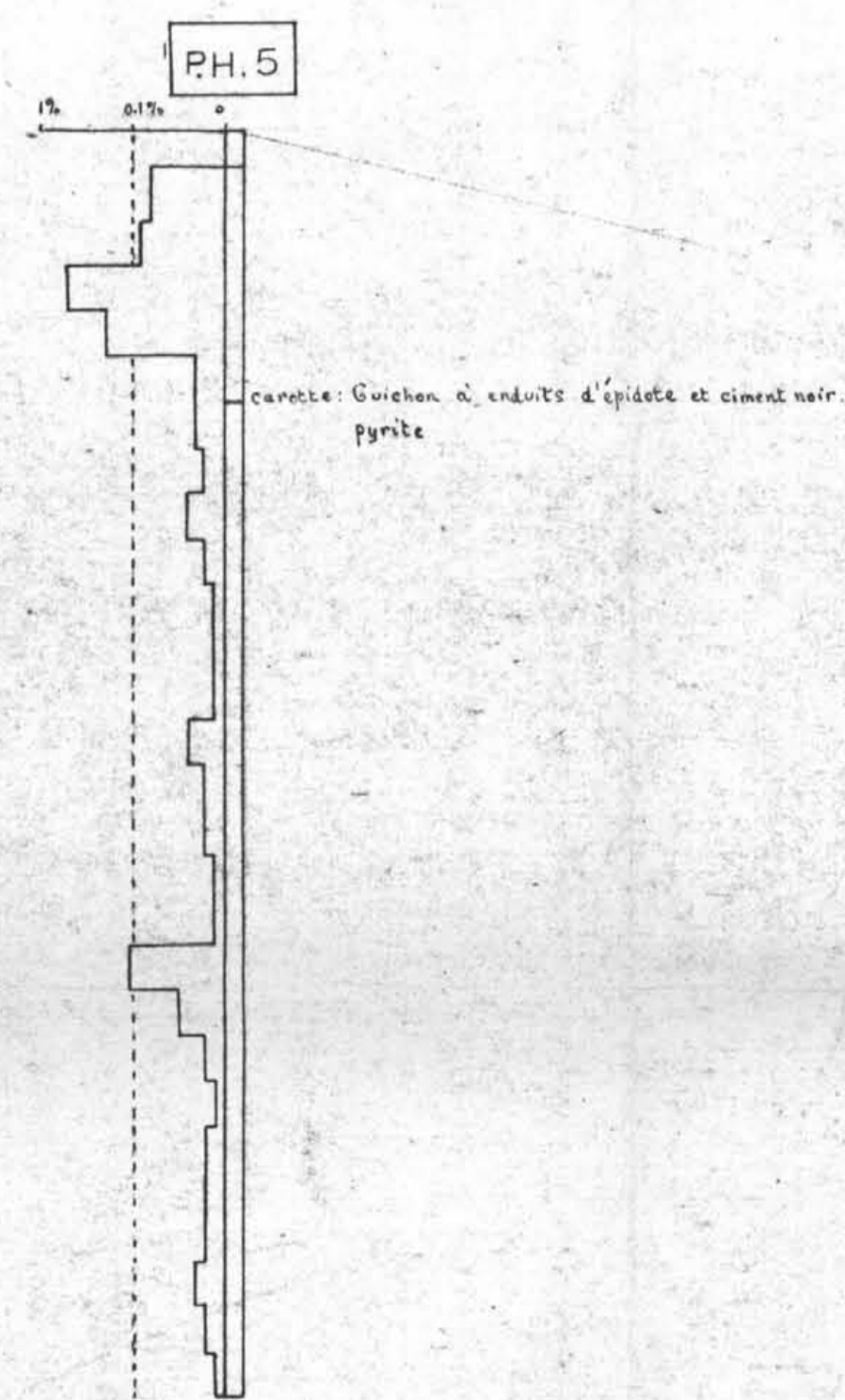
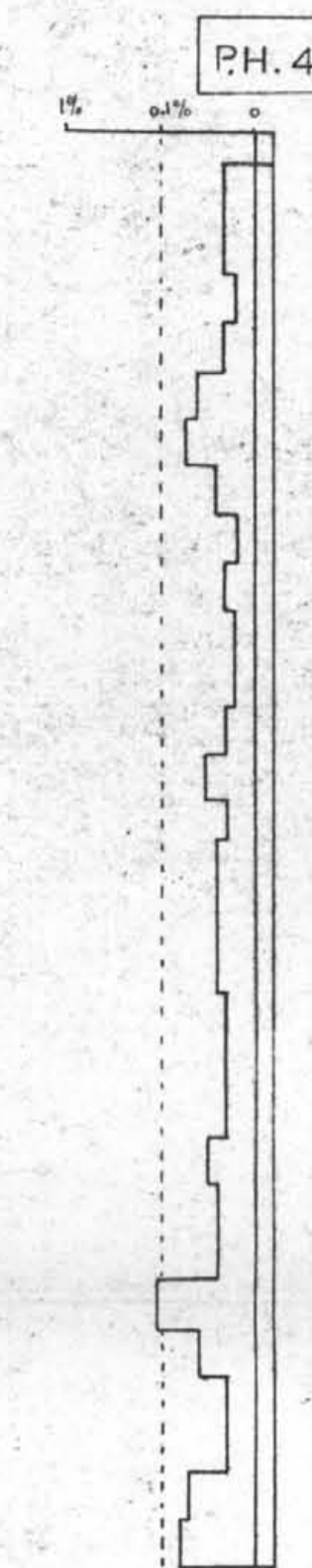
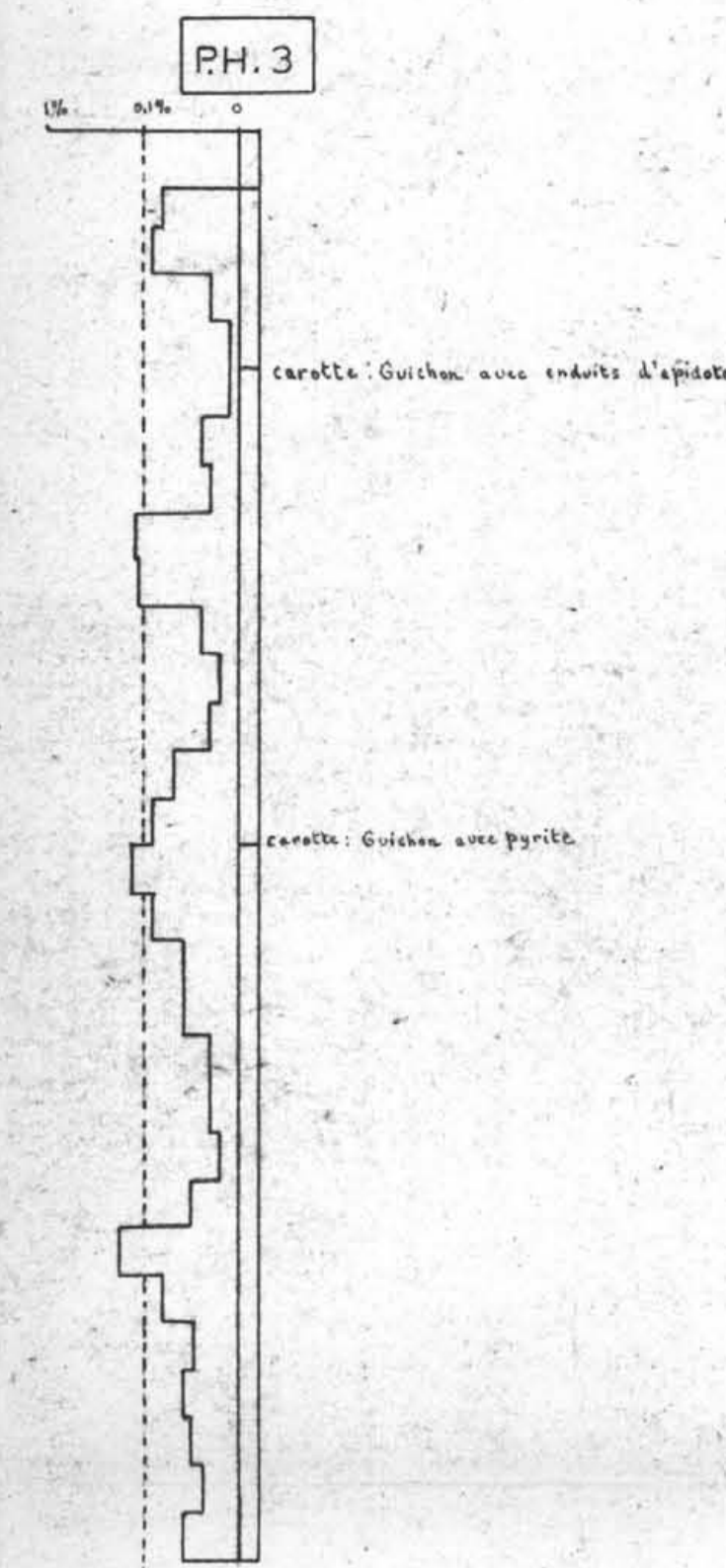
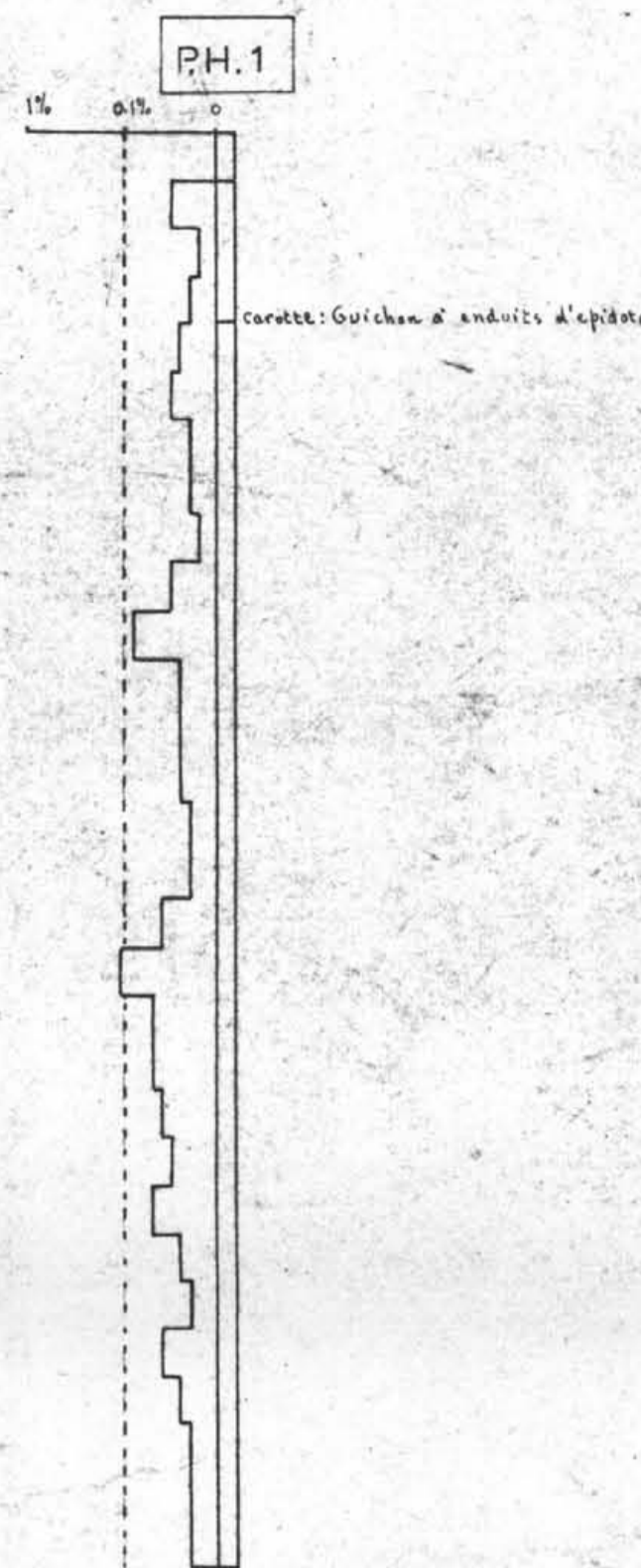
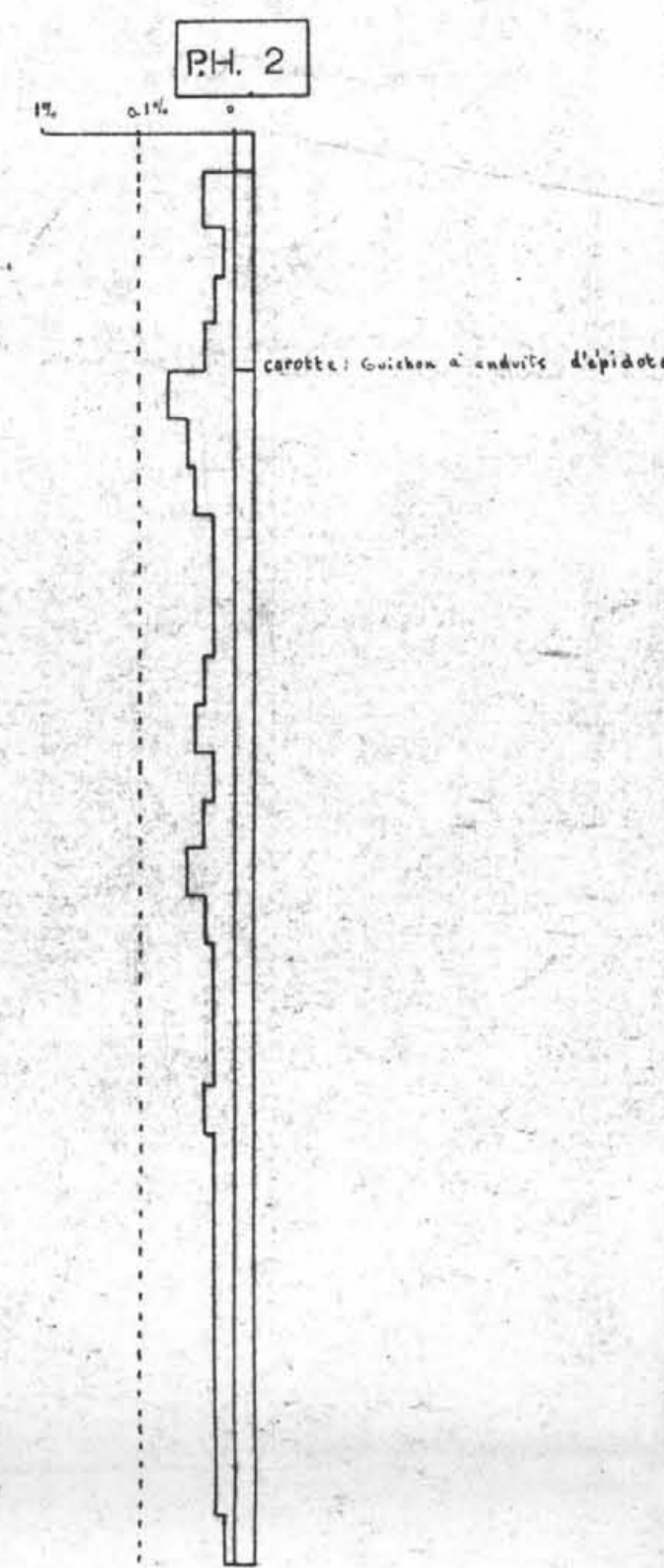
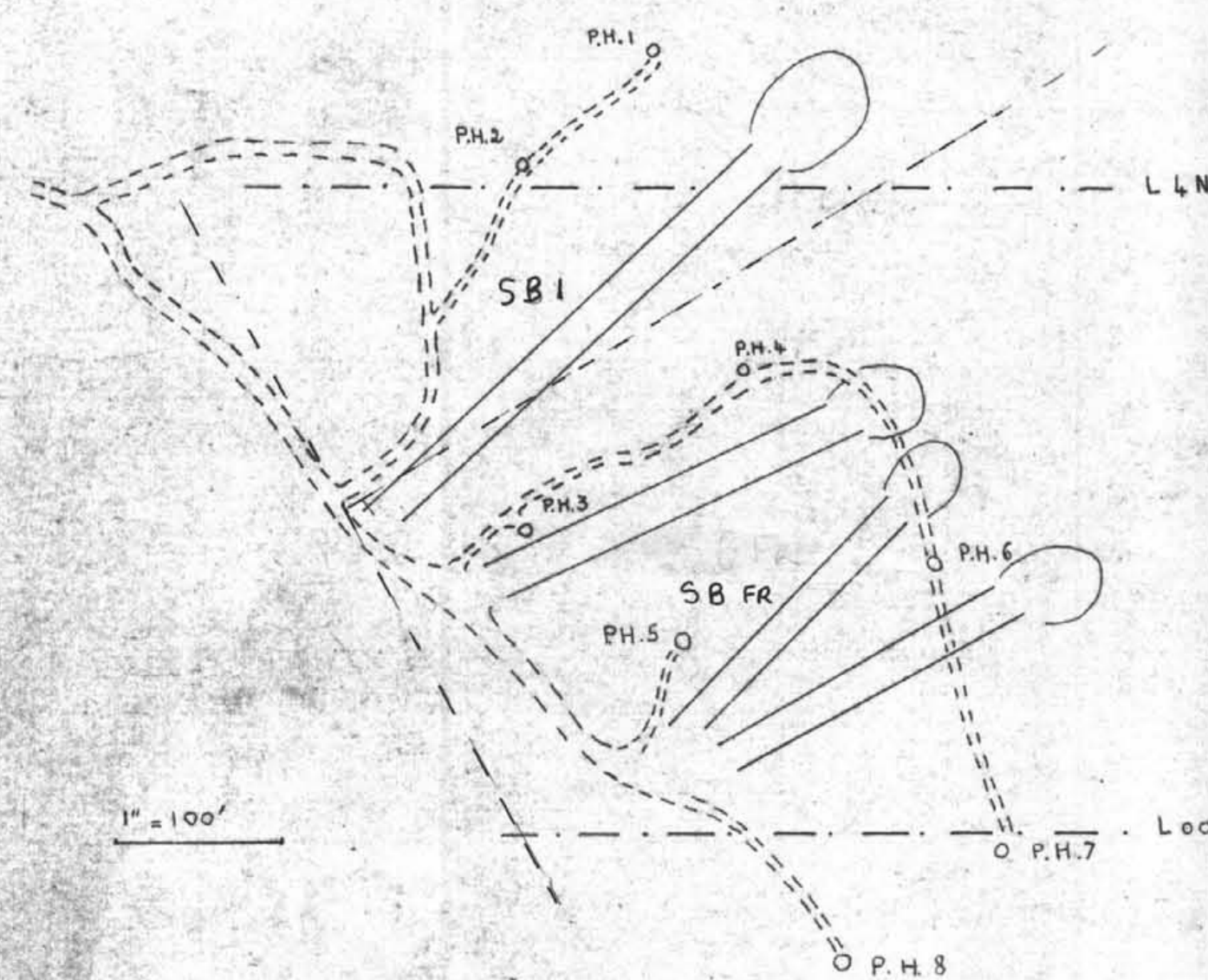
INDICE DU NW-SHOWING
TENEURS Cu % GRADE
PERCUSSION DRILL HOLES

SCALE :
ECHELLE : 1" = 40'
AUTEUR : J.P. GUELPA
BY :
DATE : MARS 1970
MARCH 1970

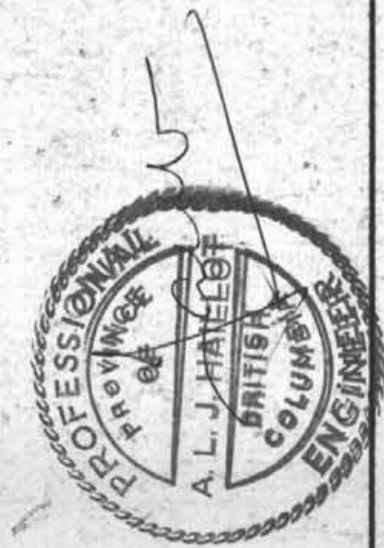
LOCALISATION LOCATION



IMPLANTATION DRILL - SITES



2788
M-6



The accompanying geological, geophysical and geochemical reports by J.P. Guelpa geologist, on file HQ, St. Venz, Ont.-N.B.S. groups of Ontario
Kamloops Mining Division, British Columbia, Canada, 1970. J.P. Guelpa

Department of
Mineral and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 MAP #7

SOUTH SEAS MINING LTD

SONDAGES SURFACE

MAI - JUIN 1970

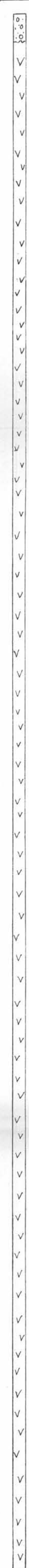
SURFACE DIAMOND DRILL HOLES

MAY - JUNE 1970

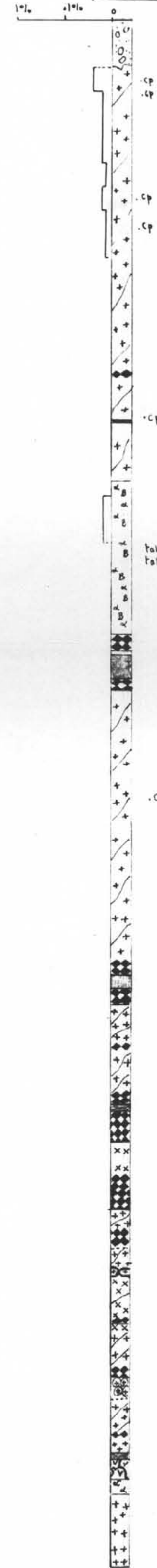
Echelle : 1" = 40'
Scale : 1" = 40'

Auteur : J.P. Guelpa
By :
Date : Juin 1970
June 1970

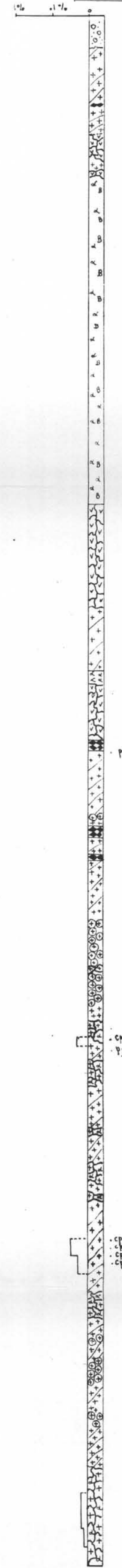
70-4



70-5



70-6

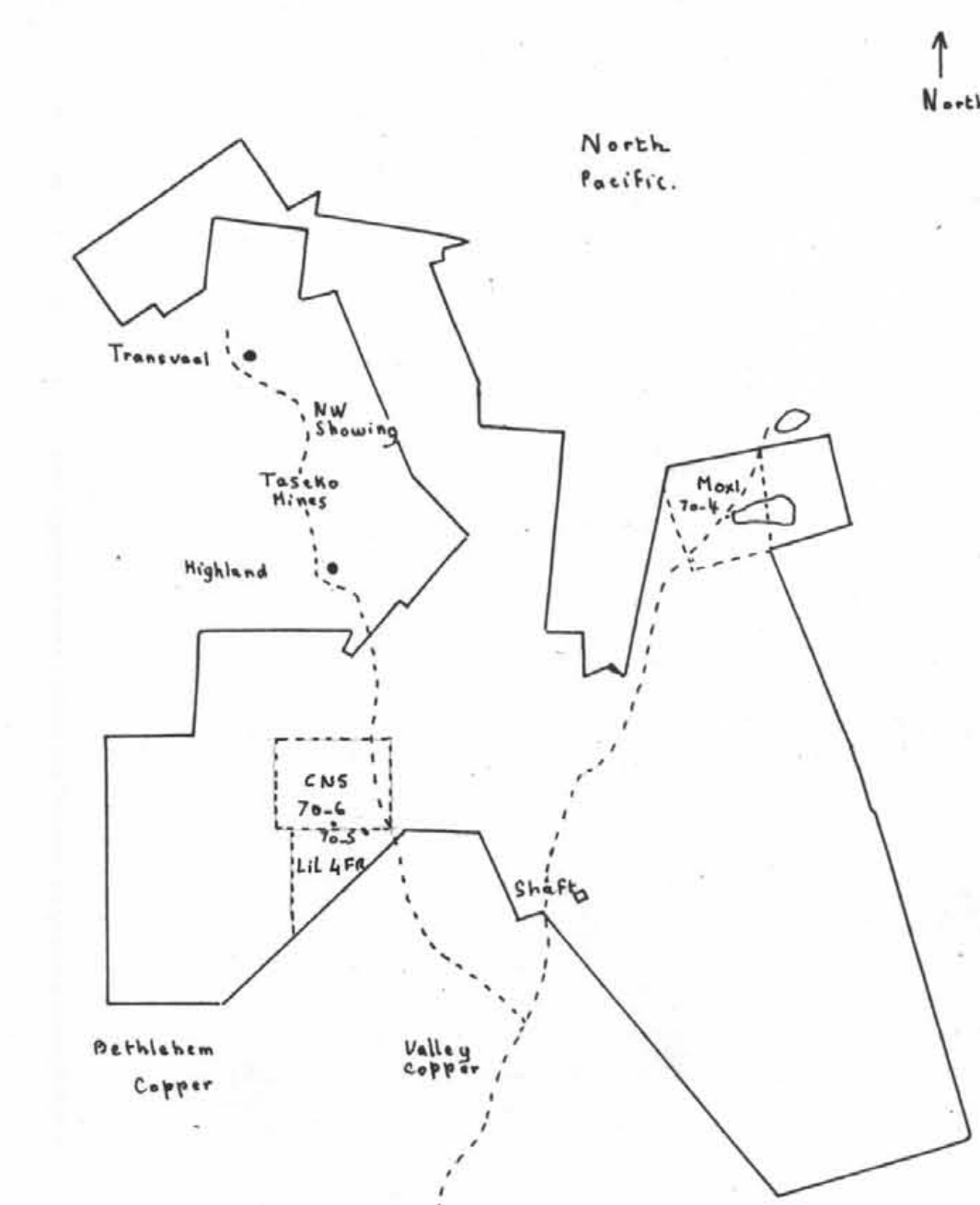


LEGENDE

- Andésite rose ou rougeâtre Pink or reddish andesite
- Andésite(?) entre filonienne Olean dyke-line andesite(?)
- Andésite filonienne grise Gray dyke-line andesite
- Agglomérat Agglomerate
- Verre volcanique brun Brown volcanic glass
- Gneiss fissuré à épaisse ciment noir Fissured gneiss with epidote + black cement coating
- différenciation leucocrate de la gneiss différenciation form grano diorite
- Gneiss à structure S mylonitique Partly to largely mylonitic gneiss
- Breche multicolore claire Multicolored Breccia (light)
- Roche complètement écaillée avec argile Entirely crushed rock with some gouge

M. 1/4 → Tenebris Cu - Grades

LOCALISATION LOCATION



2788
M-7

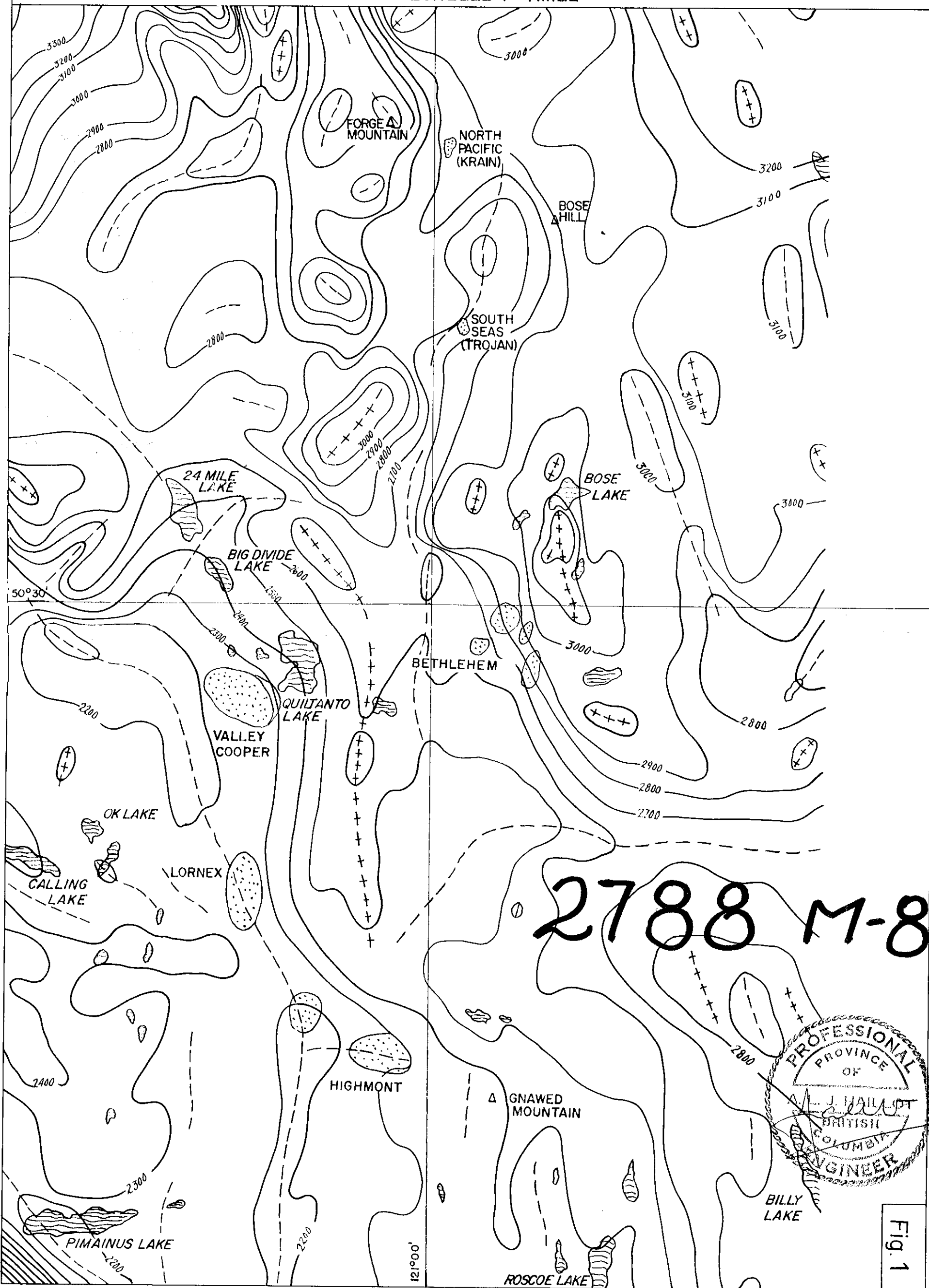
Scale : 1" = 1/2 mile



To accompany geological, geophysical and geochemical reports by J.P. GUELPA geologist, on the Hoy, SB-VENUS, CH-MARS groups of Claims 18 miles South-East of Ashcroft (Highland Valley) Kamloops Mining Division dated December 16, 1970 J.P. GUELPA

PECHINEY
DEVELOPMENT

HIGHLAND VALLEY
EXTRAIT DE LA CARTE AEROMAGNETIQUE
ECHELLE 1"=1MILE



2788 M-8

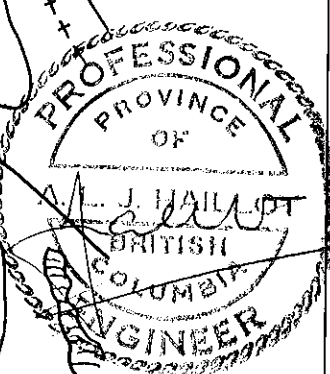


Fig. 1

AEROMAGNETIC MAP

Scale 1" = 1 mile

To accompany geological, geophysical, geochemical report by J.P. GUELPA geologist, on the Mox, 30. VEINUS, CN. MARKS, Groups of Claims, 18 miles south-East of Ashcroft (Highland Valley) Kamloops Mining Division dated December 16, 1970

J.P. Guelpa *Guelpa*

Fig. 2B

PECHINEY DEVELOPMENT LTD.
SOUTH SEAS MINING LTD.

ANOMALIE OUEST

TOPOGRAPHIE
GEOCHIMIE
Octobre 1969

WEST ANOMALY
TOPOGRAPHY
GEOCHEMISTRY
October 1969

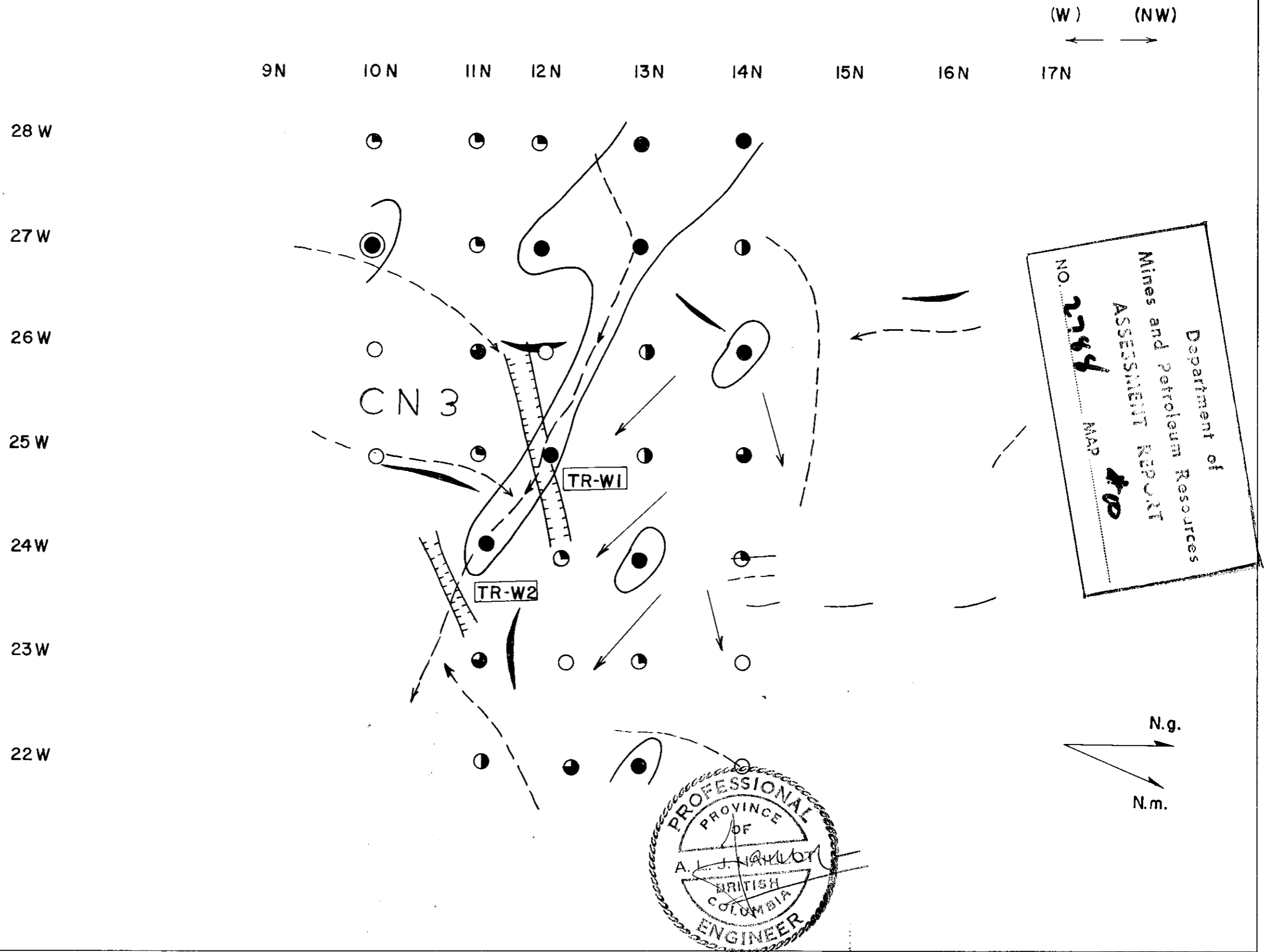
LEGENDE

TOPOGRAPHIE (TOPOGRAPHY)

Crête (esker) Crest
Ravin Ravine

GEOCHIMIE (GEOCHEMISTRY)

○ < 100ppm
◐ 100-200ppm
◑ 200-400ppm
◒ 400-800ppm
● ≥ 800ppm



To accompany geological, geophysical and geochemical report, by J.P. GUELPA geologist, on the Mox, SB-VENUS, CN-MAXS groups of claims 18 miles south-east of Ashcroft (Highland Valley)

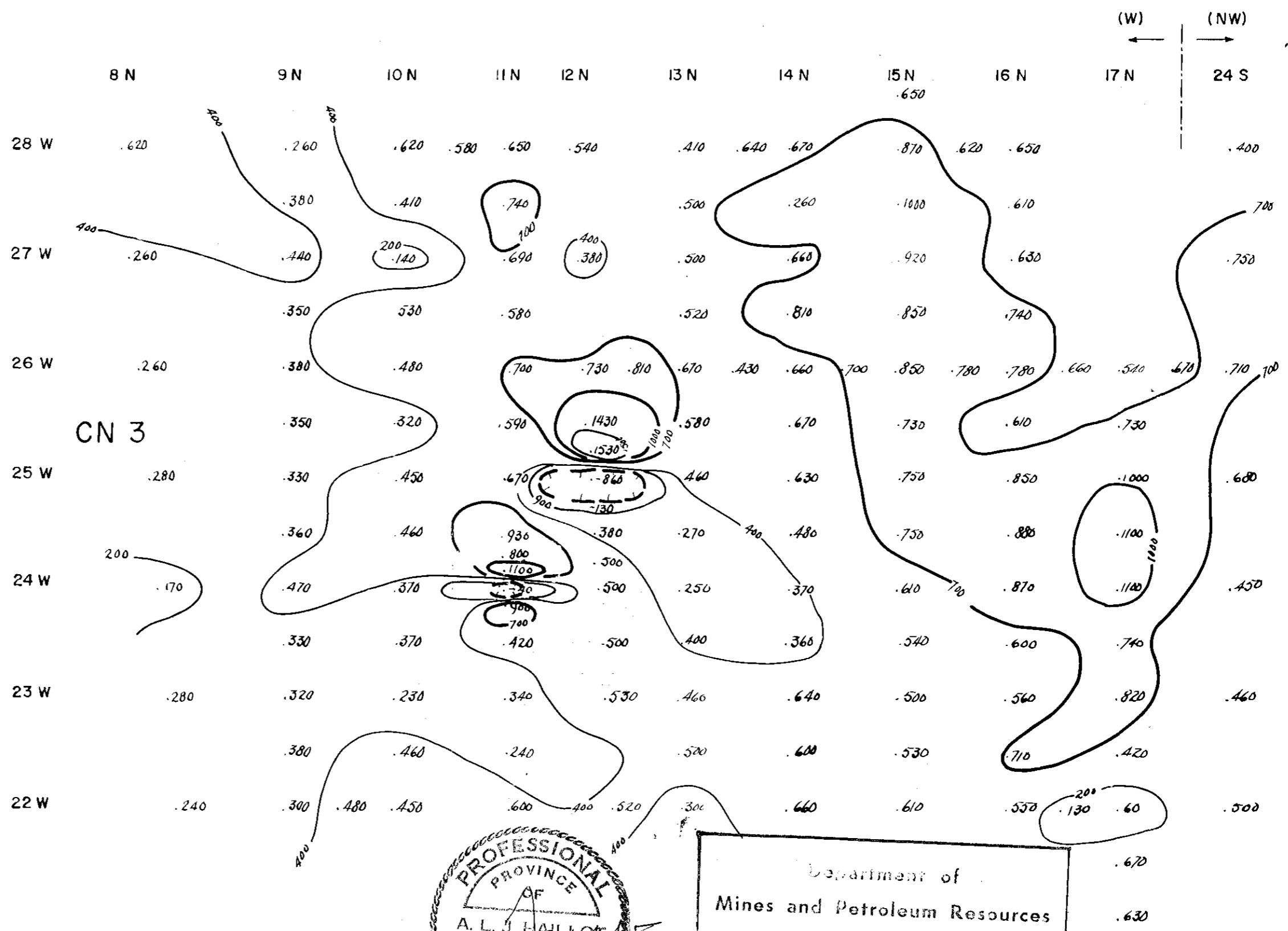
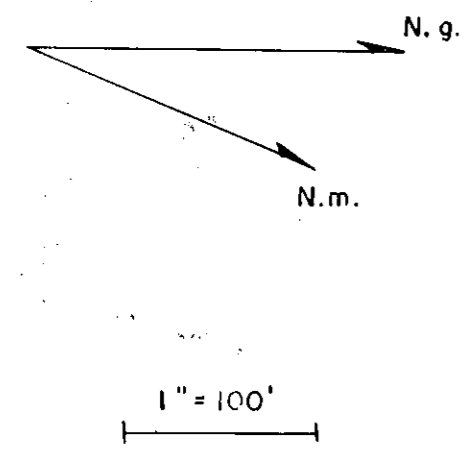
Kamloops Mining Division dated December 16, 1970

J.P. GUELPA *Guelpa*

Fig.2 A

PECHINEY DEVELOPMENT LTD.
SOUTH SEAS MINING LTD.

ANOMALIE OUEST
WEST ANOMALY
MAGNETISME
MAGNETISM
Septembre 1969



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 M/P #9

To accompany geological, geophysical and geochemical report, by J.P. GUELPA geologist, on the MOX, SB- VENUS, CN- MARS, groups of claims, 18 miles South-East of Ashcroft (Highland Valley)
Kamloops Mining Division dated December 18, 1970
J.P. GUELPA *Guelpa*

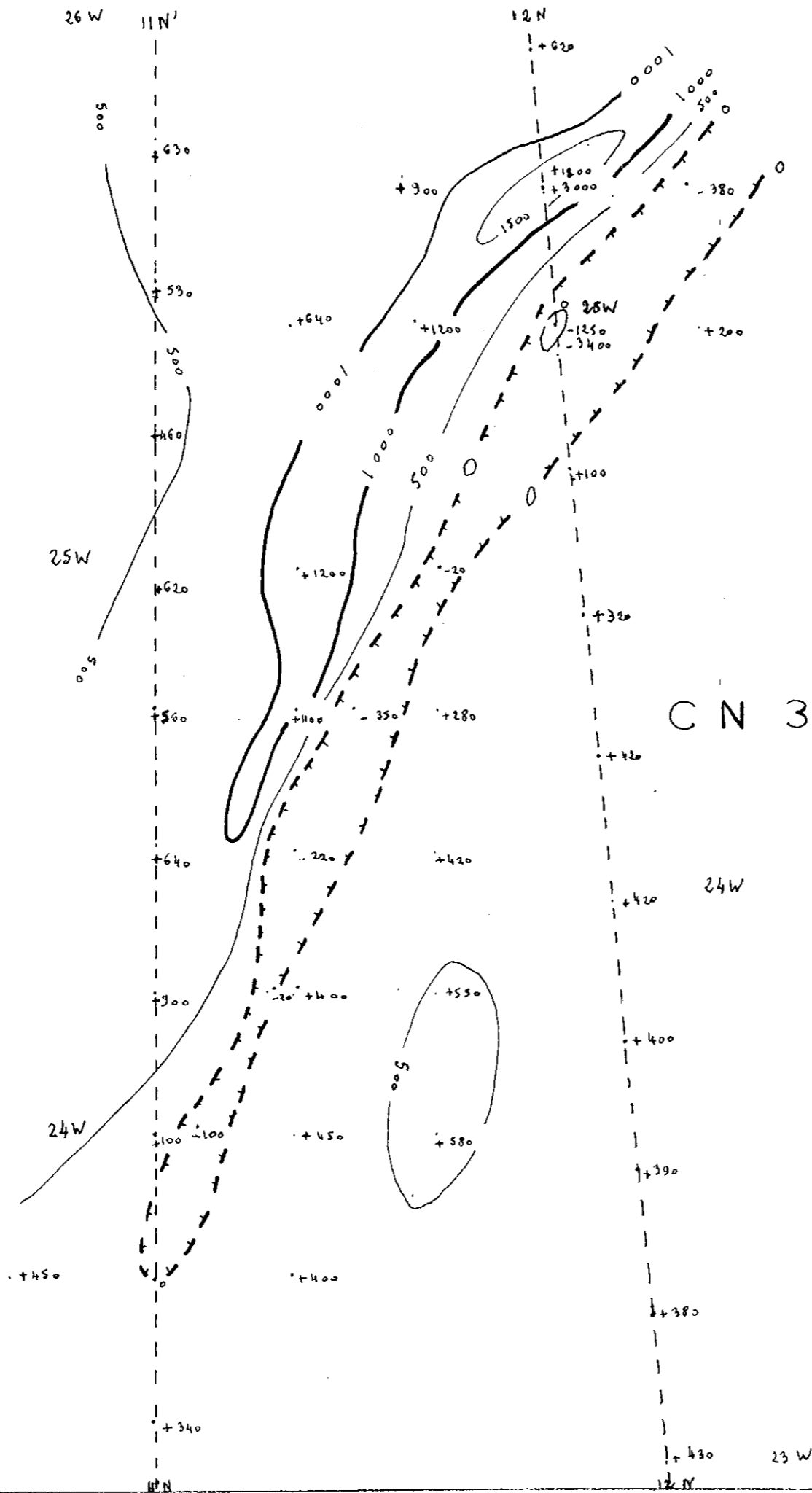
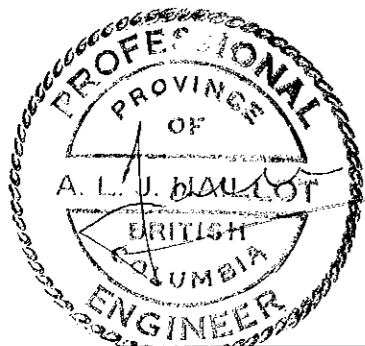
PECHINEY DEVELOPMENT LTD
SOUTH SEAS MINING LTD

WEST ANOMALY
(CN 3)
MAGNETISM
TOPOGRAPHY

October 1969

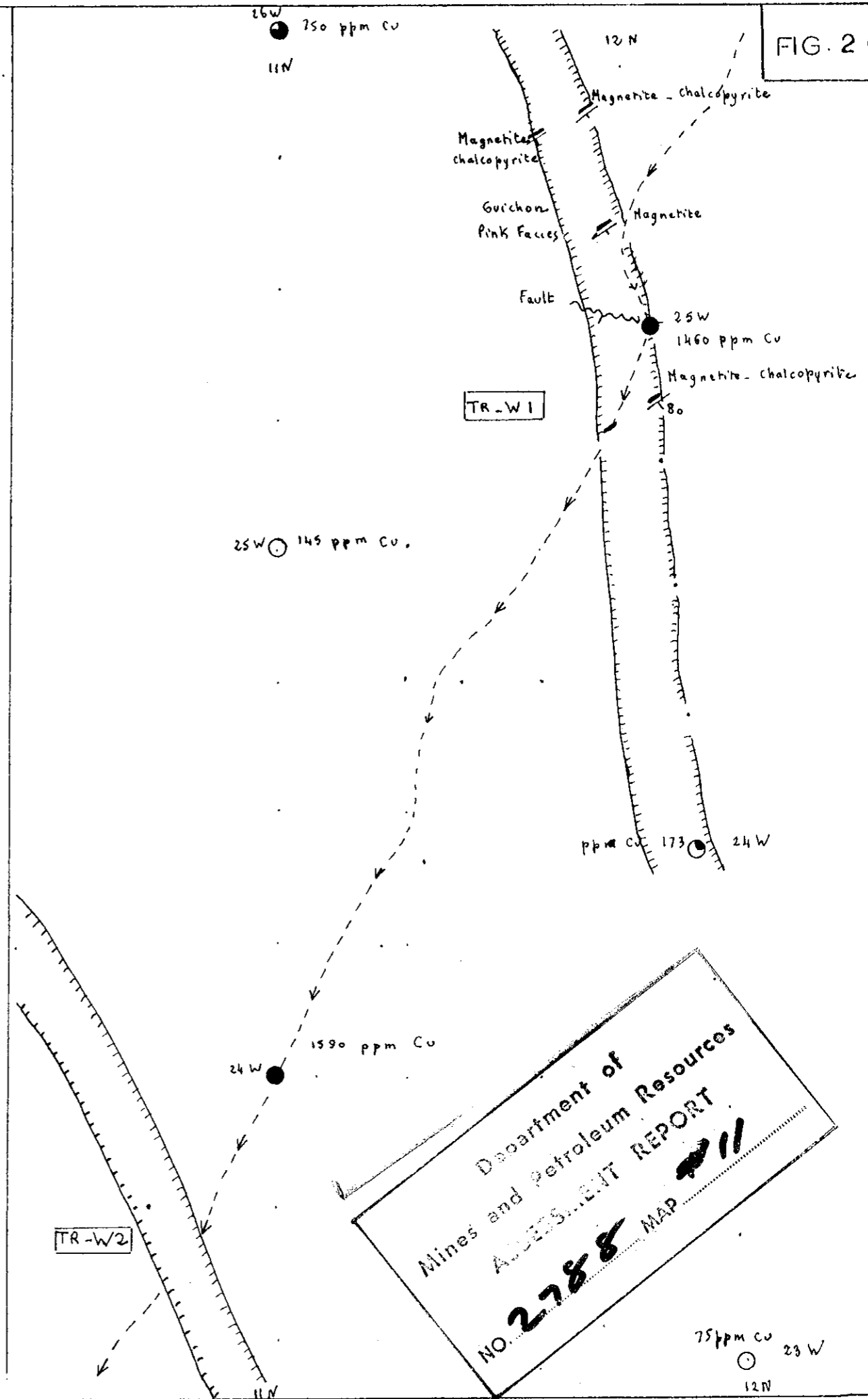
G.N.
M.N.

1" = 25'



CN 3

FIG. 2 C



Department of
Mines and Petroleum Resources
ACCESSIBILITY REPORT
NO. 2788 MAP #11

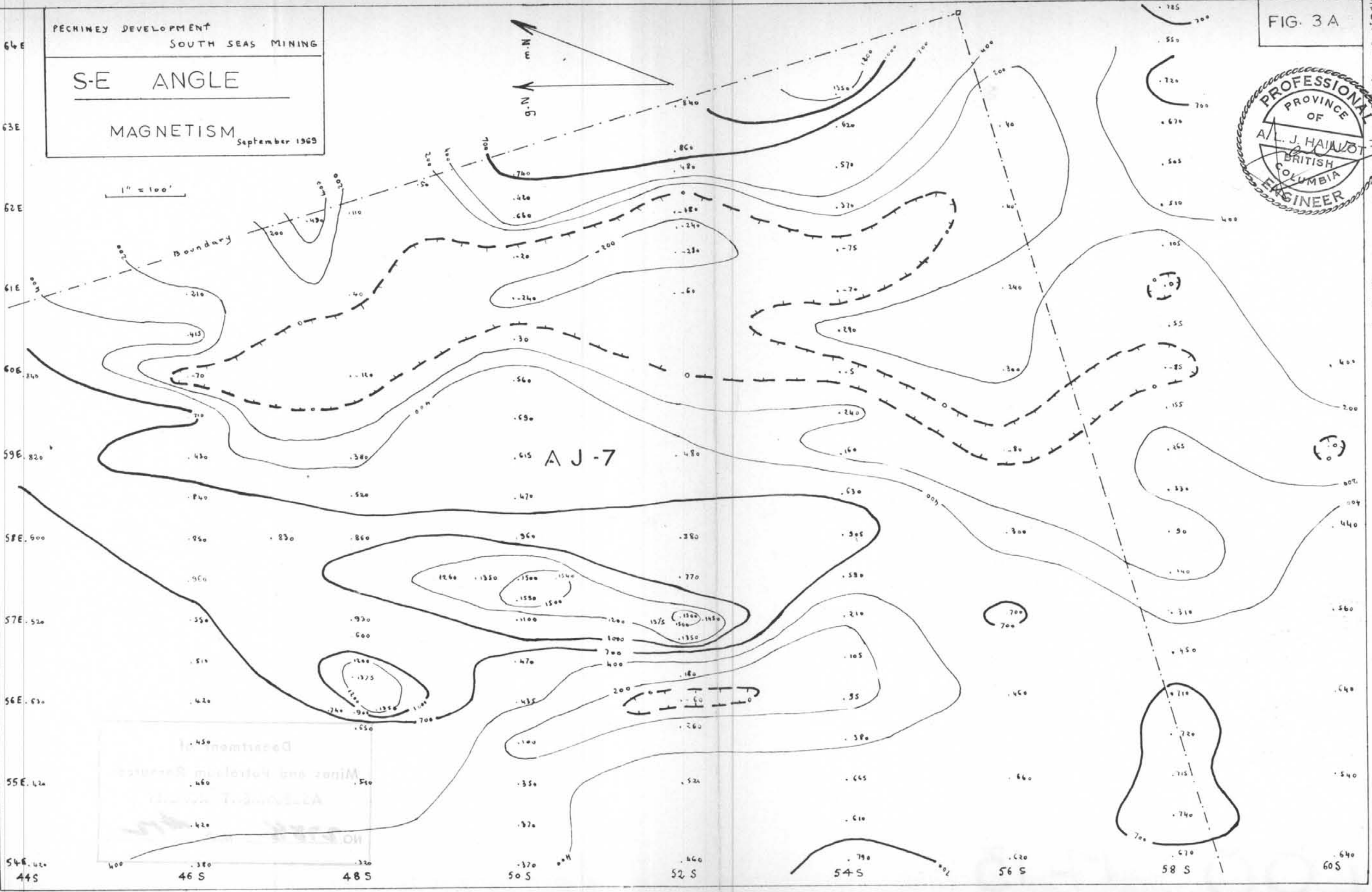
To accompany geological, geophysical and geochemical report, by J-P GUELPA geologist, on the MOX, SP-VENUS, CN-HARS groups of claims 18 miles South-East of Ashcroft (Highland Valley)
Kamloops Mining Division dated December 16, 1970 J-P GUELPA *[Signature]*

PECHINEY DEVELOPMENT
SOUTH SEAS MINING

S-E ANGLE

MAGNETISM
September 1969

FIG. 3 A



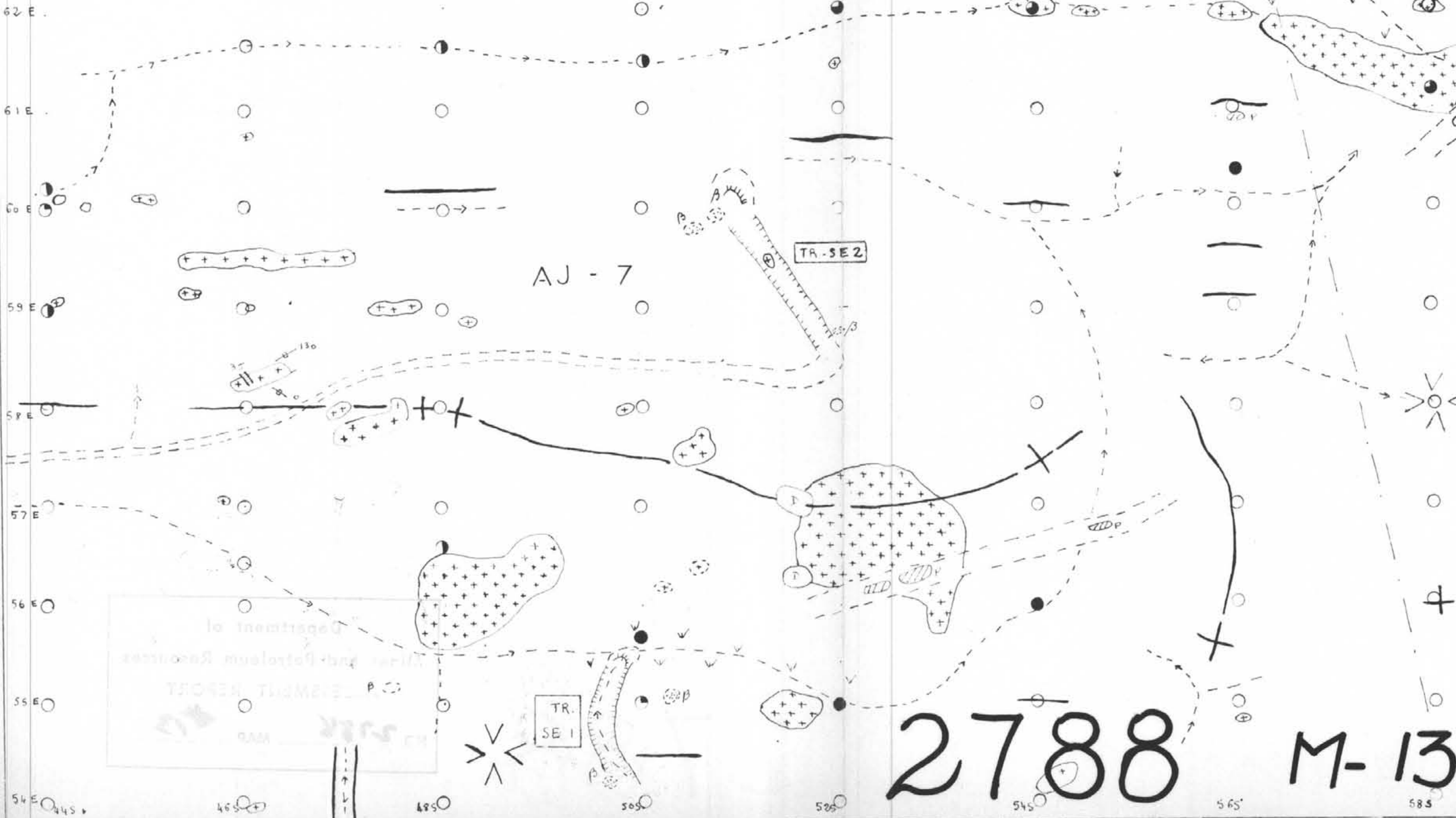
To accompany geological, geophysical and geochemical report, by J-P GUELPA Geologist, CN-HARS groups of claims 18 miles South-East of Ashcroft (Highland Valley) Kamloops Mining Division dated December 16, 1970
J-P GUELPA *guelpa*

PECHINEY DEVELOPMENT LTD
SOUTH SEAS MINING

South-East Angle
Geology - Topography
1" = 100' September 1969
Geochemistry October 1969

FIG. 3B

N.G.
1" = 100'



Geochemistry
○ < 50ppm
● 50-100ppm
● 100-200ppm
● 200-400ppm
● > 400ppm

LEGEND
Geology
○ Outcrop
+ Guichon
Dyke (dark) andesite
Porphyry
Breccia
Topography
— Crest
+ Summit
> Flow

To accompany geological, geophysical and geochemical reports by J-P GUELPA geologist, on the MoX, SB-VENUS, CN-MARS groups of claims 18 miles South-East of Ashcroft (Highland Valley) J-P GUELPA
Kamloops Mining Division dated December 16, 1970 *quels*

SOUTH SEAS MINING LTD

Epanouage de brèche du Sud - Est
SE Scattering of Breccia boulders
(BILL 15)

TOPOGRAPHIE
GEOCHIMIE
TOPOGRAPHY
GEOCHEMISTRY

ECHELLE 1" = 100'
SCALE

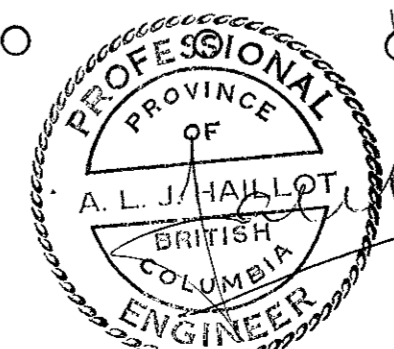
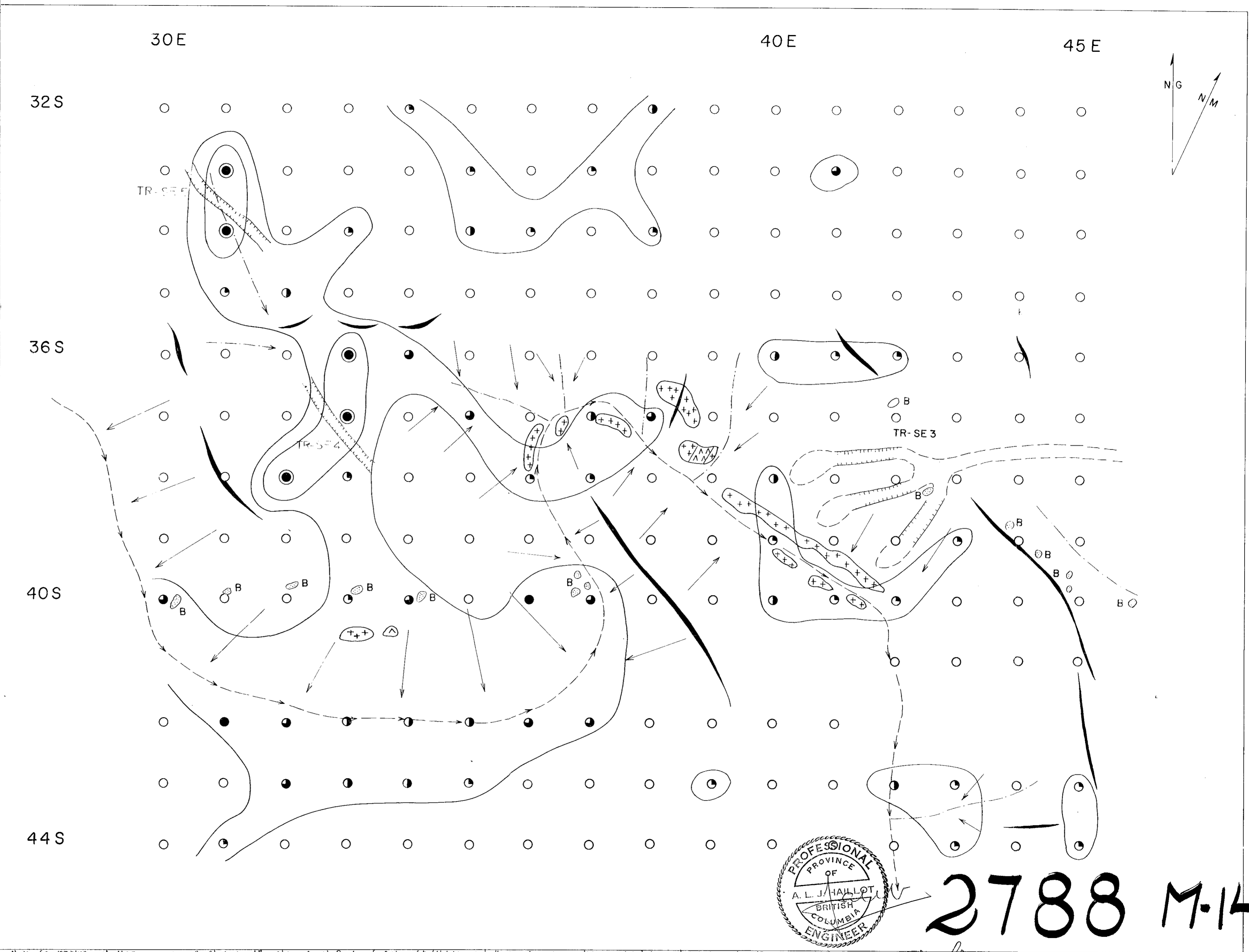
Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2788 MAP #14

AUTEUR: P. SONNENDRUCKER
BY
DATE: DECEMBRE 1969
December 1969

LEGENDE

- | | | | |
|------------------------------------|-----------------------------------|------------------------------|------------------------------------------------------------------------|
| TOPOGRAPHIE
(TOPOGRAPHY) | | GEOLOGIE
(GEOLOGY) | |
| | Crête
Crest | | Guichon granodiorite (affleurement)
Granodiorite Guichon (outcrop) |
| | Creek principal
Main Creek | | Porphyre (affleurement)
Porphyry (outcrop) |
| | Vallon secondaire
minor valley | | Brèche type South Seas - Breccia
(blocs non en place)
(boulders) |
| | Figuré de pente
slope | | |

- GEOCHIMIE**
(GEOCHEMISTRY)
- -
 -
 -
 -
 -
- < 50 ppm
50-100 ppm
100-200 ppm
200-400 ppm
400-800 ppm
800-1600 ppm



2788 M-14

To accompany geological, geophysical and geochemical report, by J-P GUELPA geologist, on the MOX, SB-VENUS, CN-MARS groups of claims 18 miles south-east of Ashcroft (Highland Valley) Kamloops Mining Division dated December 16, 1970 J-P GUELPA