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ACTION:	
FILE NO:	

Geological, Geochemical and Geophysical Report
on the
Goldbreak 25 Mineral Claim

Liard Mining Division
Longitude 129°28'; Latitude 59°23'

GEOLOGICAL BRANCH
ASSESSMENT REPORT

for

17,107

Chablis Resources Ltd.
600-890 West Pender St.
Vancouver, B.C.
V6C-1J9

by

FILMED

J. Cuttle, B.Sc., F.G.A.C.
Azimuth Geological
205-470 Granville St.
Vancouver, B.C.
V6C-1V5

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SUMMARY

The Goldbreak 25 mineral claim, located in the Liard Mining Division, is 25 air kilometers northeast of the mining town of Cassiar, British Columbia. The 20 unit claim group is presently 100% owned by Chablis Resources Ltd.

Follow up work was carried out between July 15-30, 1987 by a four man crew to isolate possible gold bearing quartz veins and mineralized shear zones. Field work included property mapping, ground magnetics, VLF-EM, soil and rock sampling, and regional prospecting. The property is underlain by alternating sequences of chemical sediments, with lesser amounts of red/green and black shales, all of the Proterozoic Good Hope Group. Dolomite and ankerite lenses are commonly found as possible replacement horizons conformable to bedding throughout the property. The high degree of slickensides found along unit boundaries suggests most units are in fault contact with each other or have strike slip relationships.

Results of all field surveys failed to isolate any mineralized horizons. It is recommended no further work be carried out on the claim.

INTRODUCTION

At the request of Chablis Resources Inc., Azimuth Geological was contracted to evaluate the mineral potential of the Goldbreak 25 mineral claim located in the Liard Mining Division. The field program was conducted from July 15, 1987 to July 30, 1987 and included rock sampling, prospecting, property mapping, 4.2 kilometers of VLF-EM-16 and magnetometer surveys, and soil geochemistry.

The field crew included a party of four supervised by J. Cuttle, B.Sc., F.G.A.C.

LOCATION, ACCESS, AND TOPOGRAPHY

The location of the Goldbreak 25 mineral claim is centered approximately 115 air kilometers south southwest of Watson Lake, Yukon Territory and 25 air kilometers northeast of the mining town of Cassiar, B.C. (Figure 1). The claim is accurately found and centered two kilometers due north from the east end of Poorman Lake, NTS Map 104P/6 (1:50,000).

Access is gained along the Stewart Cassiar highway at kilometer 660 where a small four wheel drive road swings to the west and joins up with the Spring Creek road. This road comes to an end 22 kilometers from the highway at the southwestern corner of the claim block. Care must be taken to avoid wet periods of the field season as the road has no bridges and depths to one and a half meters of creek water are not uncommon.



BRITISH COLUMBIA
 Scale 1 : 7,500,000 approx.

CHABLIS RESOURCES LTD.		
GOLDBREAK 25 CLAIM		
General Location Map		
Azimuth Geological	By: J. CUTTLE	Figure: 1
	Drawn:	
	Date: October 1987	

The area has elevation differences of 730 meters (1000M-1730M). The lower slopes of the claim are moderately forested with jack pine and spruce while the rounded peaks above 1220 meters are generally free of vegetation.

FIELD PROGRAM LOGISTICS

A tent camp was set up 22 kilometers along the Spring Creek access road, approximately half a kilometer from the southeast corner of the claim and 1.3 kilometers east of Poorman Lake. A small cabin here accomodates two people and many suitable areas for a tent camp are available. Because of the relatively steep terrain throughout the claim area, a helicopter was used to access the central and northern parts of the property. Helicopter service is available out of both Watson Lake, Yukon Territory, and Dease Lake, B.C., both at an approximate flying time of 45 minutes (.7 hrs) one way.

With wet weather and impassable roads, alternative access can be gained by float plane into Poorman Lake. Charter aircraft based in Dease Lake are available at reasonable rates.

PROPERTY STATUS

The Chablis Resources Goldbreak 25 mineral claim, record number 3473, located in the Liard Mining Division, B.C. consists of 20 units (4Nx5W) staked November 21, 1985 and recorded December 2, 1985 (Figures 2 and 3). According to



CHABLIS RESOURCES LTD.

GOLDBREAK 25 CLAIM

Claim Location Map



Scale 1: 250,000

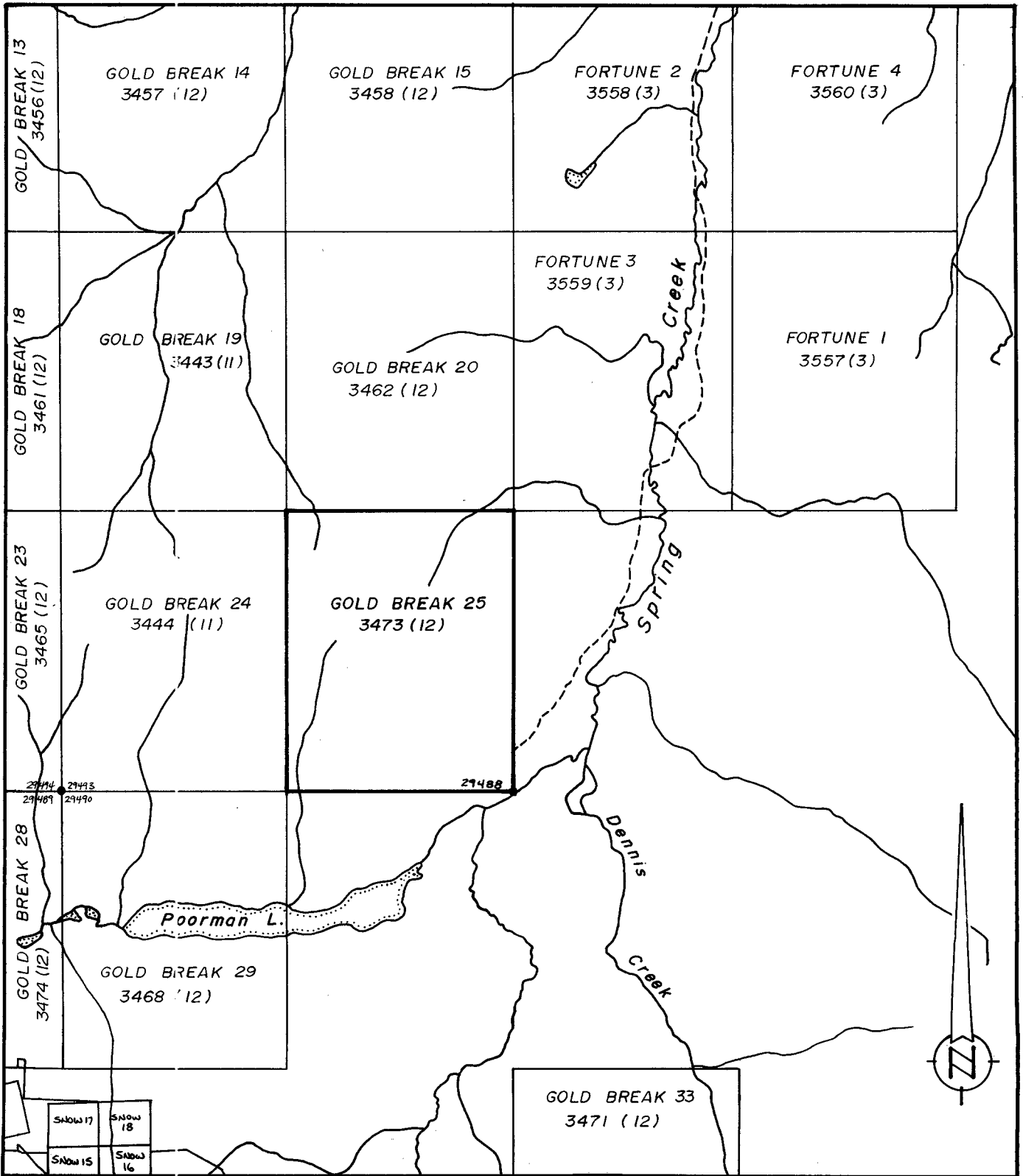
NTS 104/P

Azimuth
Geological

By: J. CUTTLE
Drawn:
Date: October 1987

Figure:

2



CHABLIS RESOURCES LTD.
 GOLDBREAK 25 CLAIM

Detail Claim Map



SCALE 1:50 000

Azimuth
 Geological

By: J. CUTTLE
 Drawn:
 Date: SEPT. 87

Figure:

3

ministry files the legal corner post is located in the southeast corner of the claim group. Seventy five percent of the boundary posts were not placed due to difficult staking conditions.

The property is in good standing until December 2, 1987. Expenditures during the current program would allow a maximum of ten years to be applied.

AREA HISTORY AND MINERALIZATION

Previous geological work and exploration activities date back to 1874 when interest centered on the McDame Creek area. This area, approximately 9 kilometers to the south of Goldbreak 25, was known for its coarse placer gold with recorded nugget finds of up to 72 ounces.

Throughout the early 1900's much of the activity in the area was directed towards placer gold recovery, notably on and around Rosella Creek (5.0 km north of the property), Spring Creek (1.0 km east of the property), Dennis Creek (1.5 km southeast of the property), and a nameless creek found on the southwest corner of the claim draining into Poorman Lake. Placer activity has since been sporadic although at the time of writing Rosella, Spring, and Dennis Creeks were all being worked privately with placer claims in good standing. The whole area has been heavily glaciated and overburden is extremely thick in most valleys. The source of the placer gold is generally thought to be gold quartz veins within the Sylvester Group volcanics located 10

kilometers to the southwest of Goldbreak 25. The gold has only recently been redistributed by glacial activity.

Recent exploration discoveries have renewed interest in the Sylvester Group volcanics. The Total Erickson Gold Mine (20 km southwest of the property) by December 31, 1985 had proven and probable reserves of 230,000 tons averaging 0.4 oz/t Au. A fire destroyed the mill in January 1986 interrupting production until early in 1987. Taurus Resources Ltd, adjacent to the Total Erickson mine, had milled 48,000 tons to produce 8,700 oz gold (average 0.18 oz/t Au) by 1984. Both producers comprise gold quartz veins within the Sylvester volcanics.

Sediments of the Atan group which are found to the southwest and on the Goldbreak 19 claim to the north of the Goldbreak 25 mineral claim host several base metal and precious metal showings. The Mount Haskin deposit located 4.5 km south of the property is a small replacement (skarn) deposit with significant lead, zinc, and silver values in Atan Group rocks. The Reed claim (9 km south-southeast of Goldbreak 25) and also in Atan Group contains grab samples in a shear zone of 19.9 oz/t Ag, 12.58% Pb, 15.9% Zn and 0.02 oz/t Au. More recently, indications of precious metal mineralization have reportedly been located by P. Plicka on the Goldbreak 19 claim group, 1.0 km to the north of the property.

REGIONAL GEOLOGY

The claim group is located regionally on the east flank of the Cassiar Mountains along the middle of a large northwesterly trending anticlinorium. Relatively thick alternating carbonate and argillaceous sedimentary sequences are divided conformably into two ages; one the Good Hope Group of Proterozoic age, and two, the Atan Group of Lower Cambrian age. These groups are conformably overlain by the sedimentary units of the Kechika and Sandpile Groups of Ordovician to Devonian age.

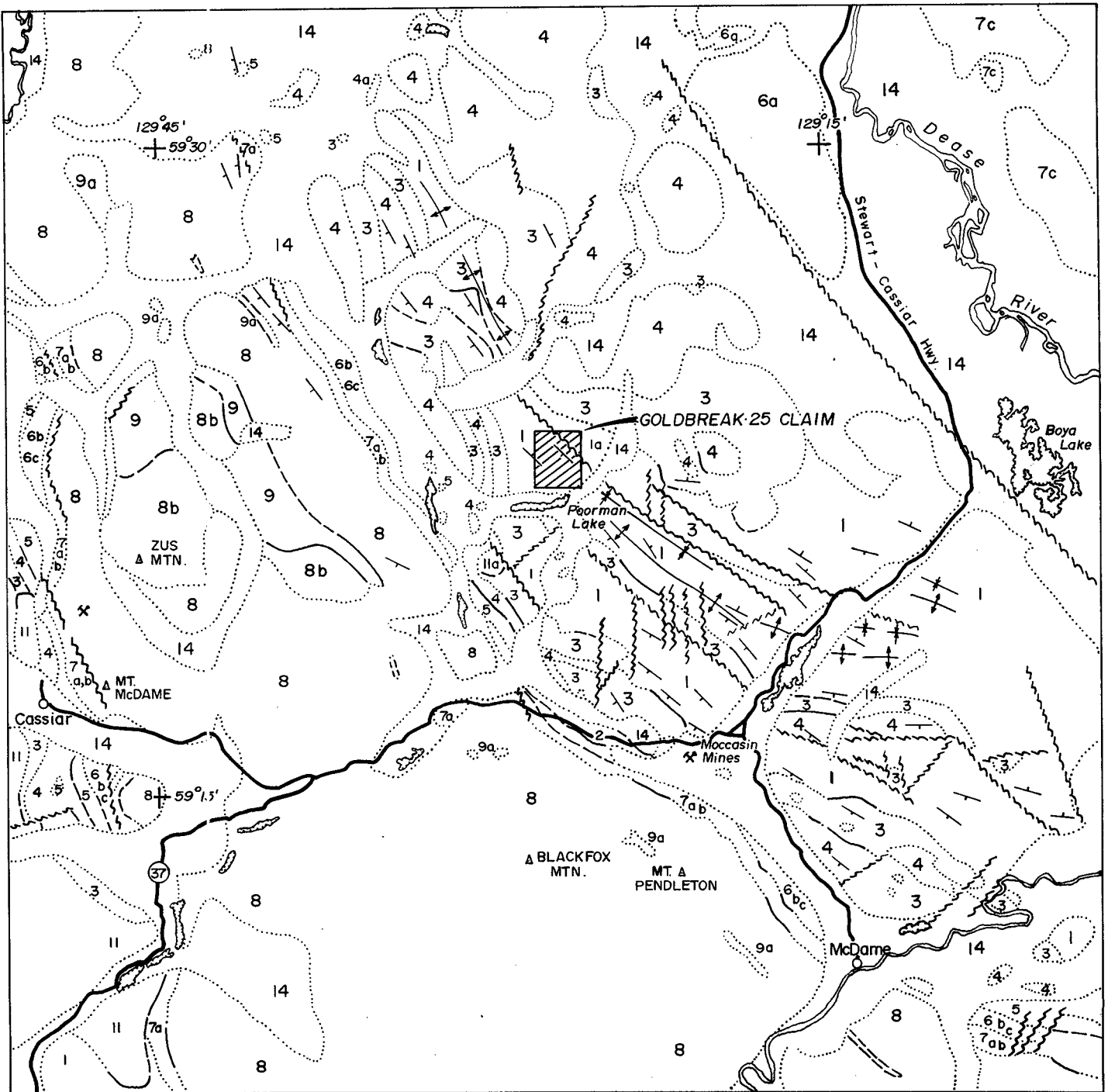
To the west, along the Stikine Ranges, lie the Sylvester Group volcanics, a series of alternating Devonian mafic volcanics, cherts, wackes, and argillites. This important group is known to host many gold quartz veins similar to the Total Erickson gold mine.

Alpine type Lower Mississippian ultramafics intrude the Sylvester Group volcanics as small sills, dykes, and stocks that host the Cassiar asbestos mine.

Forming the western boundary of the McDame map sheet is the extensive Cassiar Batholith of Lower Triassic to Lower Cretaceous age. These granitic intrusions correlate with the Omineca intrusions of north central British Columbia and are in sharp contact with the western edge of the Sylvester Group volcanics.

Regional glaciation has left the Liard Plains, and major river valleys thickly covered with overburden.

The Regional Geology can be found on Figure 4.



- Geological contact (defined, approximate, assumed)
- Fault (defined, assumed)
- Bedding (inclined)
- Anticline
- Syncline

after GABRIELSE , 1963



CHABLIS RESOURCES LTD		
GOLDBREAK · 25 CLAIM		
REGIONAL GEOLOGY		
Azimuth Geological	By: J. Cuttle Date: October 1987 Scale: 1 : 250,000	Figure: 4

- See following page for geological unit descriptions

LEGEND

PLEISTOCENE AND RECENT

- 14 Glacial and glacio-fluvial deposits, stream deposits, felsenmeer, talus, soil

JURASSIC AND/OR CRETACEOUS CASSIAR INTRUSIONS

- 11 Quartz monzonite, granodiorite; granite, pegmatite, aplite, porphyritic granite; 11a, granite porphyry; may be late Cretaceous or Tertiary; 11b, contains limestone inclusions; 11c, contains gneissic inclusions

MISSISSIPPIAN (?) LOWER MISSISSIPPIAN (?)

- 9 Serpentinite, peridotite, dunite, pyroxenite; minor metamorphosed volcanic rocks; 9a, mainly serpentinite

DEVONIAN AND MISSISSIPPIAN UPPER DEVONIAN AND LOWER MISSISSIPPIAN

- 8 Sylvester Group
Greenstone, chert-quartz arenite, chert, argillite, slate, quartzite; greywacke, limestone, conglomerate; 8a, limestone; 8b, metamorphosed volcanic rocks; 8c, quartzite, limestone, slate, argillite, phyllite; may include minor 7 and 5; 8d, chert and slate

DEVONIAN MIDDLE AND (?) UPPER DEVONIAN

- 7 McDame Group (7a, 7b)
7a, black, fetid dolomite; dolomite breccia, limestone; Middle Devonian; 7b, platy limestone; may be in part Upper Devonian; 7c, undivided 7a, 6b, 6c; 7d, undivided 7a, 7b, 6b

ORDOVICIAN, SILURIAN AND (?) DEVONIAN

- 6 Sandpile Group (6a, 6b)
6a, dolomite, cherty dolomite, dolomite breccia, sandy dolomite, dolomitic sandstone, sandstone, quartzite; Ordovician and Silurian; 6b, sandstone and quartzite, sandy dolomite, dolomite; siltstone; minor dolomite breccia; Silurian; 6c, laminated dolomite; may be in part or entirely Devonian; 6d, dolomite breccia; may be in part or entirely Devonian

CAMBRIAN AND ORDOVICIAN

MIDDLE AND (?) UPPER CAMBRIAN, LOWER AND MIDDLE ORDOVICIAN

- 5 Kechika Group
Limestone, calcareous slate, phyllitic limestone, calcareous phyllite; pyritic and carbonaceous slate and shale, conglomerate; greenstone, may be in part or entirely younger; 5a, may include infolded strata as young as Mississippian

CAMBRIAN

LOWER CAMBRIAN

- 4 Atan Group (3,4)
Limestone, dolomite; minor shale; 4a, may be in part or entirely Precambrian; 4b, may be in part or entirely as young as Devonian
- 3 Quartzite, shale, slate; argillite, pebble-conglomerate, siltstone
- 1 Good Hope Group
1. Limestone, dolomite, slate, argillite; sandy limestone, red and green slate, shale, limestone; minor quartzite, siltstone, phyllite, chlorite schist; 1a, may locally include some 4

2. Limestone, greenstone, chlorite schist, graphitic and chloritic calcareous schist

PROPERTY GEOLOGY

Regional geological mapping by H. Gabrielse (GSC Memoir 319) indicates the Goldbreak 25 mineral claim to be underlain by the Proterozoic Good Hope Group. This fact is reinforced by the occurrence of red and green slates/shales, buff dolomites, and silty limestones characteristic of the group.

Prospecting within the property boundary shows the majority of the rocks to be a buff-white silty limestone to dolomitic sequence of miogeosynclinal origin with intermixed black and red green shales and slates. These units are found both as large and small scale folds. A major north northwest trending anticline is easily isolated running through the western section of the claim. The eastern section may very possibly be in fault contact with a large massive unit of buff-white limestone with minor small lenses of brownish dolomite. This structure is difficult to isolate in the field and its existence is largely conjectural.

The following is a breakdown Gold Hope Group rocks found on the claim, listed from youngest to oldest.

- 3 Red/green shales, slates, argillites, and phyllites.
- 2a Buff coloured limestones, highly silty.
- 2 Rusty grey/black limy argillite, shales, siltstones.
- 1 Grey to white grey limestones, minor dolomite lenses.

Property Geology is located on Figures 5 and 6.

WORK PROGRAM AND DISCUSSION

Prospecting

Twelve man days were spent prospecting the Goldbreak 25 mineral claim. Ridges and creek valleys expose a variety of sedimentary rocks all varying in strike from 120 to 180 degrees. No evidence of volcanic rocks as previously reported were found. Dips of the sedimentary units are variable and indicate anticlinal and synclinal folds with amplitudes varying from one meter to one kilometer. Strike-slip fault movement is evident along all major contacts. Slickensides along unit contacts were accompanied by minor fault breccia and gouge zones. These fault zones correlate well with conductors defined by the VLF-EM survey.

Twenty three rock samples were taken while prospecting and are located by UTM coordinates found in Appendix B. Only minor sulphide comprising pyrite and pyrrhotite was seen. Generally the sulphides were associated with dolomite/ankerite horizons which normally were limited in size.

Of interest is the existence of placer gold workings in the creek bed near the southwest corner of the property. These placers, generally regarded as having been relocated by glacial activity, may also be present within the claim boundary. However placer gold is not covered under statutes regarding mineral claims and would require the area to be restaked with placer claims should such an occurrence exist.

Grid-Location

Follow-up of results isolated by Chablis Resources' 1985 field program were disappointing. Neither the trammel test pits with recorded visible gold nor the three main northeasterly trending shears were located. The mapped location of anomalous rock samples MR 096, MR 101 with 4,800 ppb and 6,900 ppb gold respectively found by P. Plicka in 1986, did however correspond to a northerly trending quartz vein. Consequently a 4.2 km grid was set up over the vein to verify previous results. The grid consists of 600 meter long base line established along the western boundary of the claim with crosslines at 100 meter intervals running east for 600 meters. Line 20+00N corresponds to boundary post 4N, 4W.

VLF EM-16 Ground Survey

A Geonics VLF-EM-16 was used to survey 4.2 kilometers of grid line, with readings taken every 12.5 meters along 100 meter spaced grid lines. Seattle (NLK) was used as the transmitter station. The signal received from Seattle is at a bearing of 160° from the claim making this station ideal for the northerly strike of the rock. Inphase and quadrature results are tabulated in Appendix D. Fraser filtered data appears on Figure 7.

Results of the survey did isolate three main conductors. All conductive zones generally trend north, paralleling the strike of the rock. Minor northeast-southwest cross cutting

features are also visible. Anomalies vary from strong to very weak and at times are exceptionally broad.

Field investigation proved the three main northerly striking conductors to be the result of graphite zones in the dark shales and/or fault contacts between individual units. The crosscutting structures could not be explained.

Magnetometer Survey

To better define geological contacts and possible sulphide mineralization a Scintrex MP-2 proton magnetometer survey was conducted over 4.2 kilometers of gridline. Magnetic readings were taken at 12.5 meter intervals and corrected for diurnal magnetic variation. Results are located on Figure 8.

No significant magnetic trends were isolated in the survey and consequently the magnetometer did not serve as a useful exploration tool.

Soil and Rock Geochemical Survey

A total of 168 soil samples were taken on the established grid. Soils were obtained from a depth of 10-20 cm and included predominantly "B" horizon with some "C" horizon representatives. Thirty rock samples were also collected on the grid and over selected areas of the property (Figure 9). Results of these are included in Appendix C. Rock sample

locations and sample descriptions are included in Appendix B.

Of the soil and rock samples analyzed for Au, Ag, Cu, Pb and Zn none returned highly anomalous values. An isolated soil sample taken at L 14+00N, 0+25E returned a value of 45 ppb Au. Rock samples taken from the quartz vein on L 16+00N did not reproduce the previously mentioned gold values of 6,900 ppb and 4,800 ppb, gold, nor were the quartz veins located within mafic volcanics as previously stated.

Rock and soil analyses were completed by Vangeochem Lab Ltd, North Vancouver, B.C. Details regarding analytical procedures are located in Appendix E.

CONCLUSIONS AND RECOMMENDATIONS

Geochemical results from the soil and rock sampling program carried out by Azimuth Geological isolated no anomalous precious metal or base metal values. Conductors located by the VLF-EM-16 did however correspond to graphite horizons and faulted unit contacts, none of which showed indications of mineralization. The magnetic results are considered too weak to be of any significant use in isolating any ore bearing horizon.

Due to a lack of evidence indicating the presence of mineralization on the Goldbreak 25 mineral claim, it is recommended no further work be carried out on the claim.

REFERENCES

- Gabrielse, H. 1963 McDame Map Area, Cassiar District, B.C.
GSC Memoir 319, 138pp.
- Mulligan, R. 1969 Metallogeny of the Region Adjacent to the
Northern Part of the Cassiar Batholith, Yukon
Territory and British Columbia GSC Paper 68-70,
12pp.
- Plicka, P. 1986 Work Report on the Goldbreak 25 Claim for
Chablis Resources Ltd. October 27, 1986.
- Plicka, P. 1986 Work Report on the Goldbreak 19 Claim for
Melissa Resources Inc. September 15, 1986.
- DiSpirito, F. 1986 Geological, Geophysical and Geochemical
Report on the Goldbreak 19 Mineral Claim for
Melissa Resources Inc., December 15, 1986.
- Gardner, C.D., ed., Canada Mines Handbook 1986-87, 495pp.

APPENDIX A

COST BREAKDOWN OF FIELD WORK

COST STATEMENT

MOB/DEMOB	\$ 2500.00
PROJECT GEOLOGIST 16 days @ \$325/day	\$ 5200.00
GEOLOGIST 18 days @ \$250/day	\$ 5400.00
TECHNICIANS 2x17 days @ \$200/day	\$ 6800.00
FOOD/ACCOMODATION 4x16 days @ \$75/day	\$ 4800.00
AIRFARE	\$ 528.00
FOUR WHEEL DRIVE TRUCK RENTAL 2x16 days @ \$75/day	\$ 2400.00
HELICOPTER	\$ 4710.00
FIELD SUPPLIES	\$ 2000.00
VLF/EM, MAGNETOMETER RENTAL 16 @ \$70/day	\$ 1120.00
EXPEDITING	\$ 456.00
RADIO TELEPHONE	\$ 156.00
FREIGHT	\$ 20.00
FUEL/PROPANE	\$ 954.27
GEOCHEMISTRY	
Supplies	\$ 210.00
Rocks - 30, ICP, Au geochem	\$ 435.00
Soils - 168, ICP, Au geochem	\$ <u>1906.80</u>
	\$ 2551.80
REPORT	\$ 4500.00
ADMINISTRATION	\$ <u>1500.00</u>
TOTAL	<u>\$45,596.07</u>

Appendix B

ROCK DESCRIPTIONS AND LOCATIONS

Rock Descriptions and Locations

Note: UTM co-ordinates from (Map No. 104P/6)

- | | | |
|---------|--|---|
| JC-87-1 | UTM: 7404E, 8175N
3990' west side of
creek | Massive calcite/siderite vein
with disseminated py. |
| JC-87-2 | UTM: 7401E, 8179N
4005' west side of
creek | Creamy white calcite,
quartzose unit? Minor zones
of siderite or ankerite
2% disseminated py. |
| JC-87-3 | UTM: 7449E, 8219N
at 5090' | Calcite vein/pod within grey
limestone. Traces of rusty
disseminated sulphide and
trace silver mineral. |
| JC-87-4 | UTM: 7476E, 8181N
at 4380' | Brown weathered dolomite with
disseminated sulphide (py) as
traces. |
| JC-87-5 | UTM: 7408E, 8348N
at 5620' | Silty dark grey limestone with
small mm scale calcite
ankerite veinlets. In close
contact with dolomite calcite
replacement unit. No visible
sulphide. |
| JC-87-6 | UTM: 7408E, 8348N
at 5620' | Light brownish red weathered
dolomite vein/boudin with
minor white carbonate. No
visible sulphide. |
| JC-87-8 | UMT: 7385E, 8330N
at 5420'
Grid co-ordinate
L15+75N, 1+18E | Outcrop of possible quartz
vein with minor ankerite, and
calcite. Minor traces of
pyrite. |
| JC-87-8 | UTM: 7402E, 8325N
at 5490'
Grid co-ordinate:
L15+60N, 3+25E | Float of highly siliceous zone
(qv??) with minor amounts of
carbonate. No visible
sulphide. |

JC-87-9	UTM: 7402E, 8325N at 5480' Grid co-ordinate: L15+30N, 2+45E	Float of quartz vein with minor carbonate and limonite stain. Includes sections of small phyllitic fragments.
JC-87-10	L16+25N, 1+15E	Float of quartz vein with intermixed carbonate (ankerite) and traces of sulphide.
HK-87-1	UTM: 7390E, 8340N at 5610'	Buff weathering, argillaceous dolomite with minor quartz and calcite veining (<5cm). Dolomite contains disseminated py.
HK-87-2	UTM: 7420E, 8350N at 5669'	Buff weathered dolomite with conglomeratic sections of red argillitic clasts. Contains disseminated py.
HK-87-3	UTM: 7403E, 8380N 5495'	Buff weathered dolomite/ calcite pod with tarnished py (minor).
HK-87-4	UTM: 7440E, 8370N at 5675'	Buff weathered dolomite/ calcite pod or vein. <1% py. Host is grey silty limestones.
HK-87-5	L20+00N, 3+50E- 3+50E - 3+75E	Quartz vein as float containing minor py and chloritized shale clasts.
HK-87-6	L19+00N, 0+00E	Quartz vein as float with argillite/phyllite clasts. Iron stained along quartz fractures.
HK-87-7	L15+00N, 4+25E- 4+50E	Quartz vein float with minor iron oxide staining. No visible sulphide.
LH-87-1	UTM: 7527E, 8210N at 3760'	Grey limestone with calcite veinlets, minor siderite. Trace of limonite.

LH-87-2	UTM: 7520E, 8221N at 3940'	Limestone with 30-40% siderite Light grey colour with local banded texture.
LH-87-3	UTM: 7529E, 8340N at 5180'	Grey limestone with small calcite veinlets. Local rusty zones.
LH-87-4	UTM: 7525E, 8341N at 5200'	Massive limonite/jarosite oxidation. Locally vuggy with quartz infilling.
LH-87-5	UTM: 7524E, 8342N at 5200'	Siderite/calcite/dolomite with rusty zones. Locally vuggy texture.
LH-87-6	UTM: 7541E, 8370N at 4800'	White calcite vein (2cm wide) with traces disseminated py. Hosted by grey limestone.
LH-87-7	UTM: 7532N, 8395N at 4420' in creek bed.	Calcite vein (3cm) with minor siderite hosted by limestone. Trace of disseminated py.
LH-87-8	UTM: 7531E, 8393N at 4440'	Contact between limestone and calcite/dolomite veins. Hematitic and limonitic along fractures.
LH-87-9	UTM: 7473E, 8310N at 5500'	Siderite/dolomite/calcite veinlets with minor pyrite and fine grained galena(?) along fractures
LH-87-10	UTM: 7460E, 8361N at 5670'	Siderite/calcite/dolomite pod in fine limestone with minor dissiminate py.

LH-87-11 UTM: 7560E, 8351N Dark grey limestone with rusty
at 5640' surfaces.

LH-87-12 UTM: 7450E, 8344N Buff orange weathered dolomite
at 5700' zone with minor calcite.

LH-87-13 UTM: 7502E, 8298N 11 cm wide calcite/siderite
at 5600' vein with iron stain along
fractures. Traces of py.

APPENDIX C

ROCK AND SOIL GEOCHEMICAL RESULTS



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: AZIMUTH GEOLOGICAL
ADDRESS: 205 - 470 Granville Street
: Vancouver, B.C.
: V6C 1T2

DATE: Sept 04 1987

REPORT#: 870914 GA
JOB#: 870914

PROJECT#: 87-06-01
SAMPLES ARRIVED: July 31 1987
REPORT COMPLETED: Sept 04 1987
ANALYSED FOR: Cu Pb Zn Ag Au (FA/AAS)

INVOICE#: 870914 NA
TOTAL SAMPLES: 30
SAMPLE TYPE: 30 ROCK
REJECTS: SAVED

SAMPLES FROM: J. CUTTIE
COPY SENT TO: AZIMUTH GEOLOGICAL

PREPARED FOR: AZIMUTH GEOLOGICAL

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870914 6A

JOB NUMBER: 870914

AZINUTH GEOLOGICAL

PAGE 1 OF 1

SAMPLE #	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
HK-87-01	47	15	20	.1	nd
HK-87-02	46	8	10	.1	nd
HK-87-03	14	5	6	.1	nd
HK-87-04	13	4	4	.1	nd
HK-87-05	13	nd	5	.1	nd
HK-87-06	15	3	3	.1	nd
HK-87-07	15	3	7	.1	5
JC-87-01	12	2	4	.1	5
JC-87-02	12	3	4	.1	nd
JC-87-03	12	7	6	.1	nd
JC-87-04	12	5	6	.1	10
JC-87-05	12	11	2	.1	nd
JC-87-06	12	4	4	.1	nd
JC-87-07	14	5	5	.1	5
JC-87-08	15	4	3	.1	5
JC-87-09	17	10	4	.1	nd
JC-87-10	16	8	4	.1	nd
LH-87-01	13	9	5	.1	nd
LH-87-02	15	9	6	.1	nd
LH-87-03	12	10	2	.1	nd
LH-87-04	21	nd	36	.7	nd
LH-87-05	17	12	7	.1	nd
LH-87-06	12	10	2	.1	nd
LH-87-07	32	4	3	.1	nd
LH-87-08	24	10	6	.1	nd
LH-87-09	12	2	4	.1	nd
LH-87-10	12	4	4	.1	nd
LH-87-11	13	9	3	.1	nd
LH-87-12	12	nd	6	.1	nd
LH-87-13	12	7	5	.1	nd

DETECTION LIMIT
nd = none detected

1 2
-- = not analysed

1 0.1 5
is = insufficient sample



VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

=====

GEOCHEMICAL ANALYTICAL REPORT

=====

CLIENT: AZIMUTH GEOLOGICAL
ADDRESS: 209 - 470 Granville St.
: Vancouver, B.C.
: V6C 1T2

DATE: Sept 04 1987

REPORT#: 870916 GA
JOB#: 870910


PROJECT#: 87-06-01
SAMPLES ARRIVED: Aug 04 1987
REPORT COMPLETED: Sept 04 1987
ANALYSES FOR: Cu Pb Zn Ag Au

INVOICE#: 870910 GA
TOTAL SAMPLES: 168
SAMPLE TYPE: 168 SOIL
REJECTS: DISCARDED

SAMPLES FROM: J. CUTTIE
COPY SENT TO: AZIMUTH GEOLOGICAL

PREPARED FOR: AZIMUTH GEOLOGICAL

ANALYSED BY: VL Staff

SIGNED: 



VANGEOCHEM LAB LIMITED

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(604) 251-5656

REPORT NUMBER: 870916 5A

JOB NUMBER: 870916

AZIMUTH GEOLOGICAL

PAGE 1 OF 5

SAMPLE #	Cu	Pt	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
14+00N 0+00E	22	16	67	.6	10
14+00N 0+25E	25	18	62	.7	45
14+00N 0+50E	22	16	52	.3	nd
14+00N 0+75E	23	17	55	.5	30
14+00N 1+00E	22	16	55	.2	10
14+00N 1+25E	21	15	55	.4	nd
14+00N 1+50E	23	18	68	.4	nd
14+00N 1+75E	20	15	55	.5	nd
14+00N 2+00E	20	16	60	.4	nd
14+00N 2+25E	19	11	44	.5	10
14+00N 2+50E	28	21	68	.6	10
14+00N 2+75E	21	15	53	.5	20
14+00N 3+00E	20	17	56	.7	10
14+00N 3+25E	23	16	57	.6	nd
14+00N 3+50E	19	17	74	.8	nd
14+00N 3+75E	32	14	68	.4	10
14+00N 4+00E	47	16	55	.4	nd
14+00N 4+25E	30	13	56	.6	nd
14+00N 4+50E	27	15	58	.4	nd
14+00N 4+75E	23	14	62	.4	20
14+00N 5+00E	29	18	79	.4	10
14+00N 5+25E	24	14	60	.5	10
14+00N 5+50E	23	17	56	.7	10
14+00N 5+75E	24	20	56	.4	nd
14+00N 6+00E	23	21	55	.8	nd
15+00N 0+00E	22	17	66	.5	nd
15+00N 0+25E	21	13	53	.4	nd
15+00N 0+50E	21	16	55	.5	10
15+00N 0+75E	17	14	43	.7	10
15+00N 1+00E	22	16	61	.4	nd
15+00N 1+25E	21	16	67	.5	nd
15+00N 1+50E	23	15	57	.4	nd
15+00N 1+75E	12	8	20	.3	nd
15+00N 2+00E	20	13	66	.3	nd
15+00N 2+25E	23	15	52	.7	nd
15+00N 2+50E	18	11	51	.5	nd
15+00N 2+75E	18	13	48	.1	nd
15+00N 3+00E	75	13	49	.1	nd
15+00N 3+25E	128	8	75	.1	nd

DETECTION LIMIT

1

2

1

0.1

5

nd = none detected

-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

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1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER 870916 GA JOB NUMBER: 870916 AZIMUTH GEOLOGICAL PAGE 2 OF 5

SAMPLE #	Cu	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
15+00N 3+50E	28	12	62	.1	nd
15+00N 3+75E	26	10	53	.1	nd
15+00N 4+00E	24	8	51	.1	nd
15+00N 4+25E	25	12	54	.2	10
15+00N 4+50E	21	9	39	.1	10
15+00N 4+75E	29	17	76	.1	10
15+00N 5+00E	16	12	33	.5	nd
15+00N 5+25E	15	9	29	.5	nd
15+00N 5+50E	23	11	48	.2	nd
15+00N 5+75E	20	17	50	.3	nd
15+00N 6+00E	21	12	52	.5	nd
16+00N 0+00E	29	18	72	.4	nd
16+00N 0+25E	23	18	53	.4	nd
16+00N 0+50E	23	14	51	.3	nd
16+00N 0+75E	20	15	52	.3	nd
16+00N 1+00E	21	15	52	.3	5
16+00N 1+25E	20	13	53	.3	nd
16+00N 1+50E	25	16	54	.3	nd
16+00N 1+75E	26	13	56	.3	nd
16+00N 2+00E	23	12	50	.1	nd
16+00N 2+25E	27	13	46	.5	nd
16+00N 2+50E	33	14	62	.2	nd
16+00N 2+75E	26	14	47	.4	nd
16+00N 3+00E	32	15	60	.2	nd
16+00N 3+25E	16	12	39	.8	nd
16+00N 3+50E	20	12	44	.5	nd
16+00N 3+75E	19	12	40	.4	nd
16+00N 4+00E	33	19	72	.2	nd
16+00N 4+25E	24	11	50	.4	nd
16+00N 4+50E	26	14	57	.4	10
16+00N 4+75E	30	12	53	.6	nd
16+00N 5+00E	40	18	79	.5	nd
16+00N 5+25E	31	18	30	.5	nd
16+00N 5+50E	18	11	31	.5	nd
16+00N 5+75E	22	11	47	.4	nd
16+00N 6+00E	27	12	47	.4	nd
17+00N 0+00E	30	13	65	.3	nd
17+00N 0+25E	22	17	51	.1	nd
17+00N 0+50E	21	16	50	.1	nd

DETECTION LIMIT 1 2 1 0.1 5
 nd = none detected -- = not analysed is = insufficient sample



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(604) 251-5656

REPORT NUMBER: 370916 GA

JOB NUMBER: 870916

AZIMUTH GEOLOGICAL

PAGE 3 OF 5

SAMPLE #	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
17+00N 1+00E	24	18	59	.6	nd
17+00N 1+25E	26	13	50	.6	nd
17+00N 1+50E	23	15	60	.3	nd
17+00N 1+75E	24	15	59	.2	nd
17+00N 2+00E	23	12	52	.2	nd
17+00N 2+25E	28	15	65	.4	nd
17+00N 2+50E	26	15	59	.4	nd
17+00N 2+75E	25	11	48	.3	nd
17+00N 3+00E	16	11	37	.7	10
17+00N 3+25E	21	11	38	.6	10
17+00N 3+50E	23	12	47	.4	10
17+00N 3+75E	31	13	43	.4	10
17+00N 4+00E	23	12	55	.4	nd
17+00N 4+25E	23	11	57	.4	10
17+00N 4+50E	26	17	59	.6	nd
17+00N 4+75E	27	14	51	.6	nd
17+00N 5+00E	26	14	54	.3	nd
17+00N 5+25E	20	11	30	.6	nd
17+00N 5+50E	22	12	40	.4	nd
18+00N 0+00E	24	12	49	.5	nd
18+00N 0+25E	22	13	43	.4	nd
18+00N 0+50E	20	11	37	.6	nd
18+00N 0+75E	16	10	51	.7	nd
18+00N 1+00E	22	11	44	.6	nd
18+00N 1+25E	22	11	48	.3	nd
18+00N 1+50E	23	15	56	.3	nd
18+00N 1+75E	26	11	55	.3	nd
18+00N 2+00E	23	14	62	.3	nd
18+00N 2+25E	26	22	63	.6	nd
18+00N 2+50E	20	14	55	.4	nd
18+00N 2+75E	24	13	49	.6	nd
18+00N 3+00E	27	15	58	.3	nd
18+00N 3+25E	28	14	58	.6	nd
18+00N 3+50E	27	16	59	.4	nd
18+00N 3+75E	29	17	68	.3	nd
18+00N 4+00E	25	12	56	.6	nd
18+00N 4+25E	27	12	71	.3	nd
18+00N 4+50E	28	10	46	.3	nd
18+00N 4+75E	26	9	38	.3	nd

DETECTION LIMIT

nd = none detected

1 2

-- = not analysed

1 0.1 5

is = insufficient sample



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REPORT NUMBER: 870916 GA

JOB NUMBER: 970916

AZIMUTH GEOLOGICAL

PAGE 4 OF 5

SAMPLE #	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
18+00N 5+00E	25	10	56	.2	nd
18+00N 5+25E	21	10	45	.4	10
18+00N 5+50E	24	13	52	.4	nd
19+00N 0+00E	23	8	43	.5	nd
19+00N 0+25E	23	11	47	.3	nd
19+00N 0+50E	26	11	62	.3	nd
19+00N 0+75E	26	10	64	.6	nd
19+00N 1+00E	26	14	52	.2	nd
19+00N 1+25E	24	13	65	.5	nd
19+00N 1+50E	27	13	68	.2	nd
19+00N 1+75E	29	12	64	.3	nd
19+00N 2+00E	27	15	56	.2	nd
19+00N 2+25E	30	13	64	.5	nd
19+00N 2+50E	26	15	50	.6	nd
19+00N 2+75E	23	11	54	.5	nd
19+00N 3+00E	39	21	101	.7	nd
19+00N 3+25E	24	12	60	.4	nd
19+00N 3+50E	27	11	48	.5	nd
19+00N 3+75E	27	10	72	.3	nd
19+00N 4+00E	29	8	72	.1	nd
19+00N 4+25E	30	12	71	.2	10
19+00N 4+50E	31	17	74	.4	nd
19+00N 4+75E	37	19	97	.4	nd
19+00N 5+00E	30	13	74	.5	nd
19+00N 5+25E	33	12	54	.4	nd
19+00N 5+50E	21	10	47	.3	nd
19+00N 5+75E	24	9	49	.4	nd
19+00N 6+00E	25	12	47	.4	nd
20+00N 0+00E	24	11	64	.3	nd
20+00N 0+25E	24	9	45	.3	10
20+00N 0+50E	22	13	44	.5	10
20+00N 0+75E	20	8	36	.5	10
20+00N 1+00E	22	11	42	.5	nd
20+00N 1+25E	21	13	27	.3	nd
20+00N 1+50E	21	12	45	.5	nd
20+00N 1+75E	25	11	53	.5	nd
20+00N 2+00E	21	13	27	.3	nd
20+00N 2+25E	21	12	45	.5	10
20+00N 2+50E	25	11	53	.5	10

DETECTION LIMIT

nd = none detected

-- = not analysed

is = insufficient sample



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REPORT NUMBER: 370916 GA

JOB NUMBER: 970916

AZIMUTH GEOLOGICAL

PAGE 5 OF 5

SAMPLE #	CU	Pb	Zn	Ag	Au
	ppm	ppm	ppm	ppm	ppb
20+00N 2+75E	18	7	33	.9	10
20+00N 3+00E	25	6	50	.4	10
20+00N 3+25E	21	6	46	.3	nd
20+00N 3+50E	63	11	54	.5	nd
20+00N 3+75E	21	8	50	.3	nd
20+00N 4+50E	28	11	77	.4	nd
20+00N 4+75E	22	7	64	.6	nd
20+00N 5+00E	24	8	65	.5	nd
20+00N 5+25E	23	6	68	.5	nd
20+00N 5+50E	25	10	69	.5	nd
20+00N 5+75E	22	6	60	.6	nd
20+00N 6+00E	25	7	66	.3	10

DETECTION LIMIT
nd = none detected

1 2
-- = not analysed

1 0.1 5
is = insufficient sample

APPENDIX D

VLF-EM 16 FIELD RESULTS

VLF-EM-16 Field Results (% Dip/Quadrature)

Dip/Quad (North, West +, South, East -)

L20+00N Dip/Quad

B/L	-7/+6						
	-5/+8		-1/+20		+2/+7		+23/-14
0+25E	-5/+8	0+75E	-4/+21	3+25E	+4/+7	4+75E	+20/-16
	-6/+7		-4/+18		+3/+4		+16/-14
0+50E	-6/+8	2+00E	-4/+18	3+50E	+3/ 0	5+00E	+11/-16
	-9/+7		-5/+16		+3/-4		+8/-17
0+75E	-9/+6	2+25E	-5/+14	3+75E	+3/-4	5+25E	+6/-20
	-7/+6		-4/+13		+8/-5		+2/-18
1+00E	-6/+8	2+50E	-5/+11	4+00E	+12/-8	5+50E	+1/-17
	0/+12		-6/ +8		+20/-15		+1/-16
1+25E	+3/+16	2+75E	-7/+7	4+25E	+24/-11	5+75E	0/-16
	+4/+20		-5/+6		+24/-12		0/-14
1+50E	+2/+19	3+00E	-2/+7	4+50E	+26/-12	6+00E	+1/-15

L19+00N Dip/Quad

B/L	-4/+2						
	-3/+2		+9/+16		-4/+8		+2/-11
0+25E	-1/+5	1+75E	+10/+18	3+25E	-6/+4	4+75E	+11/-10
	0/+6		+9/+18		-7/+4		+13/-12
0+50E	+1/+8	2+00E	+6/+16	3+50E	-9/+1	5+00E	+10/-16
	+1/+9		+7/+17		-10/0		+9/-17
0+75E	+3/+10	2+25E	+11/+19	3+75E	-11/-1	5+25E	+8/-19
	+3/+10		+12/+20		-11/-3		+10/-17
1+00E	+5/+11	2+50E	+9/+19	4+00E	-10/-4	5+50E	+9/-18
	+4/+11		+5/+14		-9/-5		+9/-19
1+25	+2/+10	2+75E	+2/+12	4+25E	-7/-6	5+75E	+8/-19
	+3/+11		0/+11		-4/-7		+10/-16
1+50E	+7/+13	3+00E	-3/+9	4+50E	-3/-10	6+00E	+11/-13

L18+00N Dip/Quad

B/L	-8/-5						
	-7/-4		+1/-2		+2/+4		-14/-9
0+25E	-5/-3	0+75E	+3/-1	3+25E	+4/+10	4+75E	-12/-9
	-3/-2		+3/+1		-1/+5		-7/-12
0+50E	0/+2	2+00E	+5/+2	3+50E	-5/+4	5+00E	-6/-13
	+3/+4		+7/+4		-9/+1		-2/-14
0+75E	+7/+6	2+25E	+8/+5	3+75E	-11/-2	5+25E	+1/-15
	+11/+8		+8/+6		-14/-2		+4/-17
1+00E	+12/+9	2+50E	+9/+6	4+00E	-14/-3	5+50E	+8/-15
	+11/+8		+9/+7		-15/-2		+12/-15
1+25E	+10/+8	2+75E	+10/+9	4+25E	-16/-4	5+75E	+15/-11
	+8/+5		+6/+8		-16/-8		+18/-10
1+50E	+3/+1	3+00E	+3/+5	4+50E	-18/-8	6+00E	+20/-9

L17+00N, Dip/Quad

B/L	-4/-6		+5/-3		+8/+7		-12/-8
	-4/-6						
0+25E	-6/-8	1+75E	+3/-4	3+25E	+5/+6	4+75E	-9/-9
	-12/-4		+2/-4		+1/+5		-8/-11
0+50E	-16/-15	2+00E	+2/-4	3+50E	+1/+5	5+00E	-5/-12
	-11/-10		+5/-1		+1/+9		-2/-14
0+75E	-4/-5	2+25E	+7/+1	3+75E	-6/+2	5+25E	0/-15
	+1/-3		+6/+1		-13/-3		+1/-15
1+00E	+8/+2	2+50E	+6/0	4+00E	-17/-6	5+50E	+7/-14
	+12/+4		+6/+1		-17/-4		+14/-12
1+25E	+13/+3	2+75E	+6/+1	4+25E	-16/-3	5+75E	+16/-12
	+13/+4		+7/+2		-17/-5		+20/-10
1+50E	+11/+2	3+00E	+7/+4	4+50E	-18/-5	6+00E	+22/-11

L16+00N Dip/Quad

B/L	-1/-3						
	-2/-2		+13/+5		+3/+4		-9/-8
0+25E	-1/0	1+75E	+14/+7	3+25E	-1/+3	4+75E	-10/-11
	+1/+1		+12/+7		-1/+2		-8/-12
0+50	-1/0	2+00E	+11/+5	3+50E	-4/+4	5+00E	-9/-14
	-4/-4		+9/+3		-7/+4		-8/-17
0+75E	-5/-4	2+25E	+3/-1	3+75E	-5/+3	5+25E	-5/-17
	-4/-2		-3/-3		-6/+4		-1/-17
1+00E	-2/+2	2+50E	-1/-2	4+00E	-7/-4	5+50E	+3/-18
	-2/+8		+3/+1		-14/-4		+7/-18
1+25E	+1/+4	2+75E	+3/+3	4+25E	-15/-5	5+75E	+14/-14
	+2/+1		+5/+2		-11/-5		+16/-15
1+50E	+7/+2	3+00E	+3/+4	4+50E	-10/-7	6+00E	+22/-13

L15+00N Dip/Quad

B/L	+4/0						
	+5/+4		+11/+12		+3/+8		-18/-9
0+25E	+9/+5	1+75E	+7/+11	3+25E	-5/+6	4+75E	-13/-10
	+9/+7		+4/+8		-5/+6		-13/-13
0+50E	+10/+9	2+00E	+4/+8	3+50E	-9/+7	5+00E	-14/-15
	+11/+8		+8/+10		-9/+8		-11/-17
0+75E	+12/+9	2+25E	+4/+9	3+75E	-15/+4	5+25E	-13/-19
	+10/+5		+4/+8		-19/+2		-10/-20
1+00E	+8/+4	2+50E	+7/+6	4+00E	-24/0	5+50E	-5/-20
	+8/+5		+11/+7		-23/-1		+2/-20
1+25E	+11/+10	2+75E	+10/+10	4+25E	-15/+1	5+75E	+5/-22
	+16/+9		+8/+9		-18/-4		+7/-21
1+50E	+15/+14	3+00E	+5/+9	4+50E	-18/-7	6+00E	+8/-22

L14+0CN Dip/Quad

B/L	+1/+4						
	+9/+5		+14/+6		-6/+9		-17/+5
0+25E	+12/+5	1+75E	+12/+6	3+25E	-6/+7	4+75E	-27/+2
	+10/+4		+8/+6		-9/+6		-27/-1
0+50E	+9/+3	2+00E	+8/+5	3+50E	-3/+6	5+00E	-29/-1
	+8/-2		+2/+1		-3/+6		-32/-3
0+75E	+5/+1	2+25E	-2/+3	3+75E	-3/+6	5+25E	-29/-2
	+10/+2		-3/+6		-3/+6		-28/-5
1+00E	+10/+2	2+50E	+6/+10	4+00E	+1/+8	5+50E	-29/-6
	+12/+5		+7/+16		+1/+9		-27/-10
1+25E	+12/+4	2+75E	+7/+12	4+25E	0/+9	5+75E	-24/-10
	+14/+5		+4/+10		-5/+10		-19/-10
1+50E	+13/+8	3+00E	+1/+9	4+50E	-10/+8	6+00E	-19/-12

APPENDIX E

ANALYTICAL PROCEDURES

VANGEOCHEM LAB LTD.
1521 Pemberton Ave.
North Vancouver, B.C.
V7P 2S3

TO:

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine gold by fire-
assay method and detected by atomic absorption spec. in
geological samples.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.
- (b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Extraction

- (a) 20.0 - 30.0 grams of the pulp samples were used. Samples were weighed out by using a top-loading balance into fusion pot.
- (b) A Flux of litharge, soda ash, silica, borax, flour, or potassium nitrite is added, then fused at 1900 degrees F and a lead button is formed.

(c) The gold is extract by cupellation and part with diluted nitric acid.

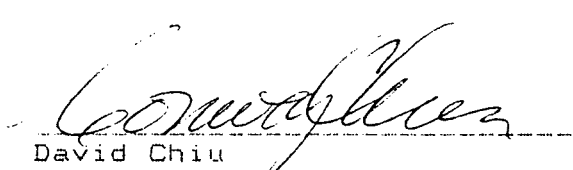
(d) The gold bead is saved for measurement later.

3. Method_of_Detection

(a) The gold bead is dissolved by boiling with sodium cyanide, hydrogen peroxide and amonium hydroxide.

(b) The gold analyses were detected by using a Techtron model AAS Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.


David Chiu
VANGEOCHEM LAB LTD.

VANGEOCHEM LAB LTD.
1521 Pemberton Ave.
North Vancouver, B.C.
V7P 2S3

TO:

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine multiple elements
in hot acid soluble by Induction Couple Plasma
Spectrometer (ICP) analysis.

1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.
- (b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

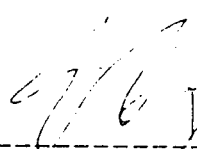
- (a) 0.500 gram of -80 mesh sample was used.
- (b) Samples were digested in a hot water bath with diluted aqua regia acids.
- (c) The digested samples were diluted to a fixed volume and shaken well.

- (d) The Au complex ions were extracted into diisobutyl ketone and thiourea medium. (Anion exchange liquids "Aliquot 336").
- (e) Separate Funnels were used to separate the organic layer.

3. Method of Detection

The gold analyses were detected by using a Techtron model AAS Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

- 4. The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and his laboratory staff.



Eddie Tang
VANGEOCHEM LAB LTD.

APPENDIX F

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, JIM F. CUTTLE, of the Municipality of North Vancouver, in the Province of British Columbia, certify as follows regarding the report on the Goldbreak 25 mineral claim owned by Chablis Resources Ltd:

That I am a geologist having practiced my profession in Canada and Norway for the past 7 years.

That I am a graduate of the University of New Brunswick with a B.Sc. in Geology in 1980.

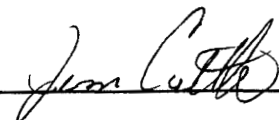
That I have no direct or indirect interest in the properties of Chablis Resources Ltd. nor do I expect to receive any.

That I am employed on a contract basis with Azimuth Geological of Vancouver, B.C.

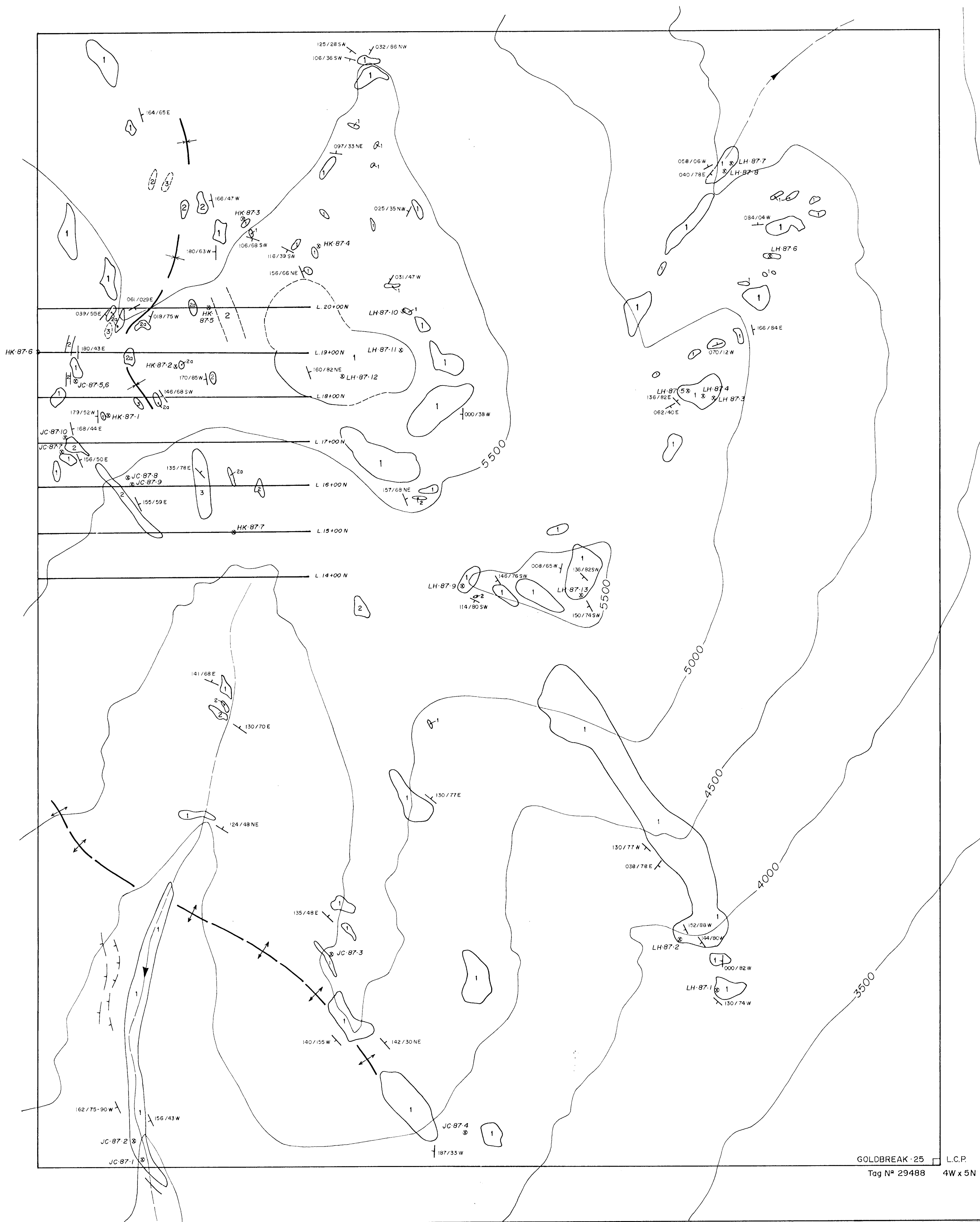
That I am a Fellow of the Geological Association of Canada.

That I am presently residing at 103-1612 St. Georges Ave., North Vancouver, British Columbia.

Signed: _____


Jim F. Cuttle, B.Sc., F.G.A.C.

November 9, 1987



GOLDBREAK 25 L.C.P.
Tag N° 29488 4W x 5N

PROTEROZOIC

ATAN GROUP

- 3** Red Argillite with minor fine conglomerate and green slates.
- 2a** Grey banded silty limestone.
- 2** Grey, black, and brown argillite and siltstone.
- 1** Massive grey limestone with minor dolomite lenses

130/74W Strike and dip (degrees) of bedding.

Synclinal axis

Outcrop

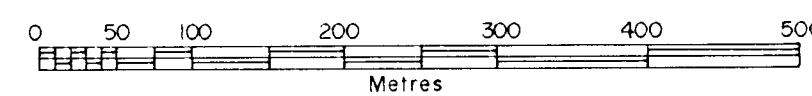
Anticlinal axis

Float

Rock sample location and label

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,107

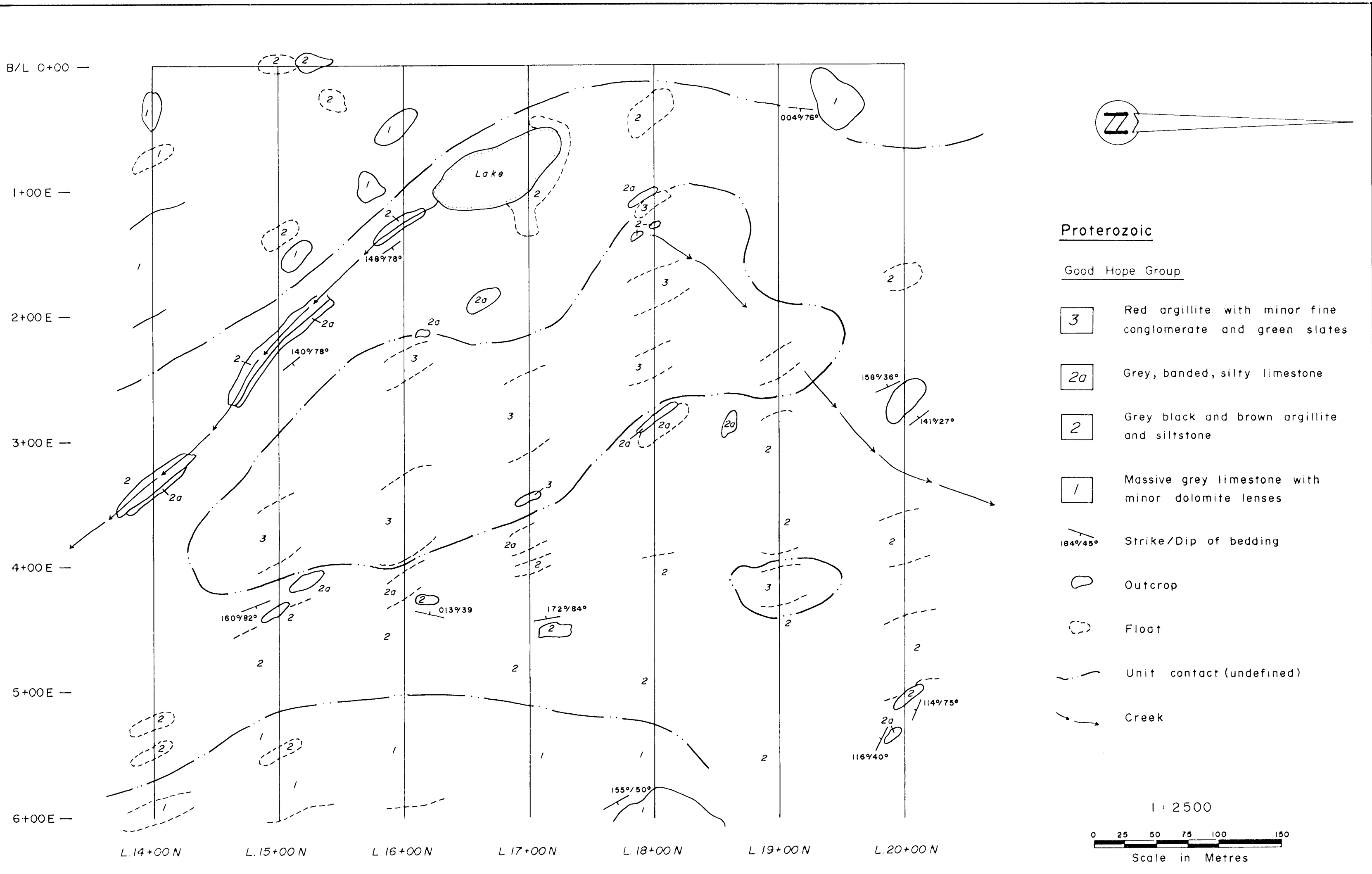


CHABLIS RESOURCES LTD.

GOLDBREAK 25 CLAIM

PROPERTY GEOLOGY

Azimuth Geological	By: J. Cuttle	Figure: 5
	Date: October 1987	
	Scale: 1: 5000	

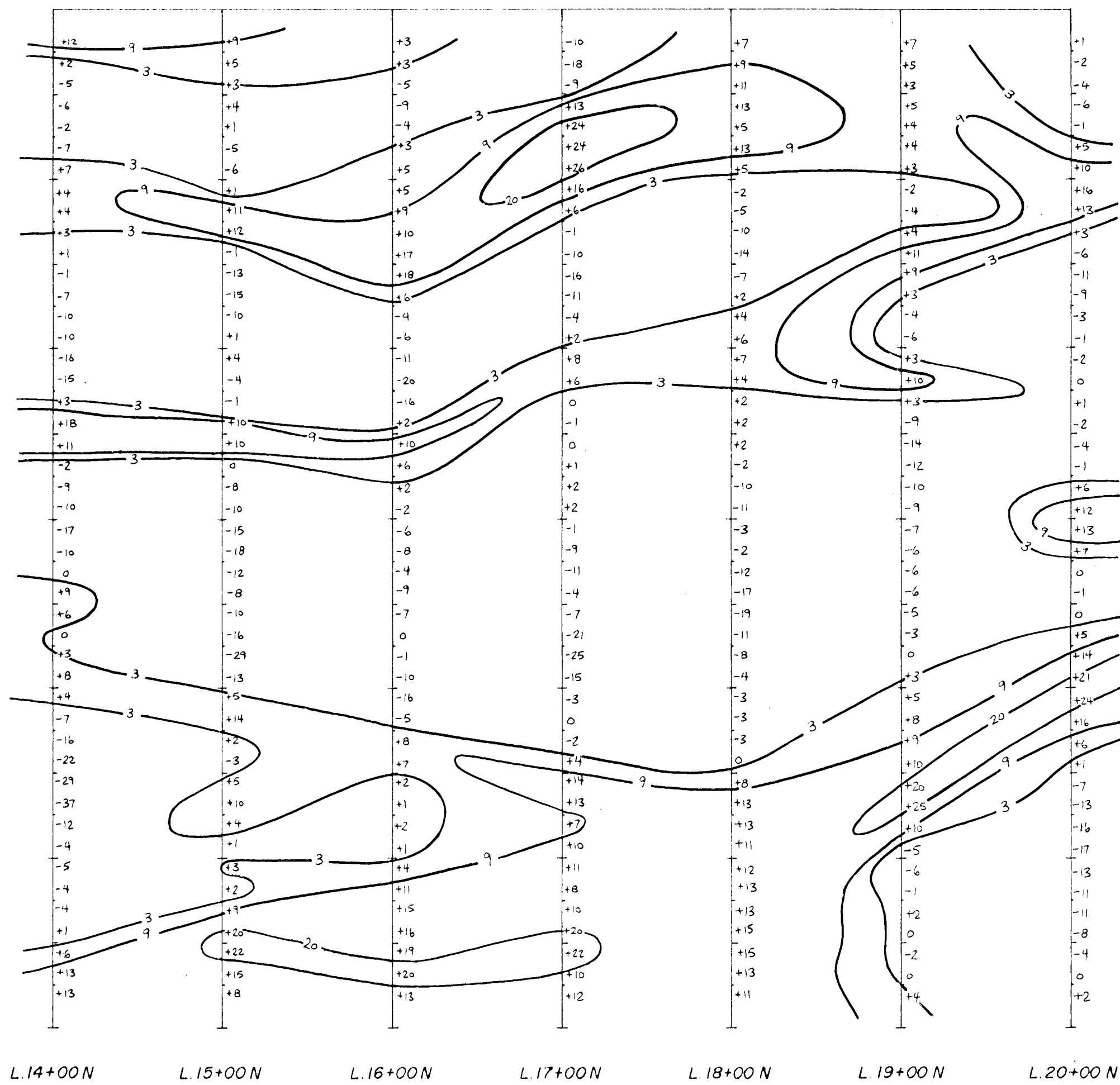


GEOLOGICAL BRANCH
ASSESSMENT REPORT

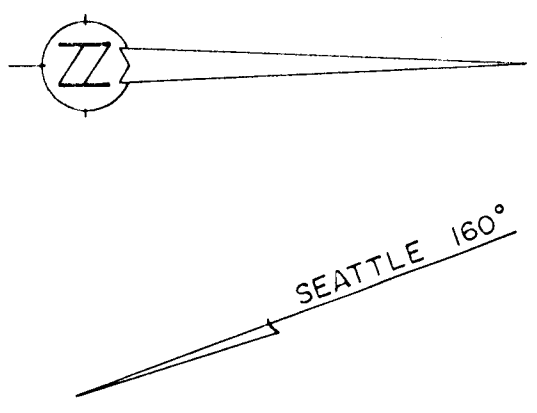
CHABLIS RESOURCES LTD.
GOLDBREAK 25 CLAIM

17,107

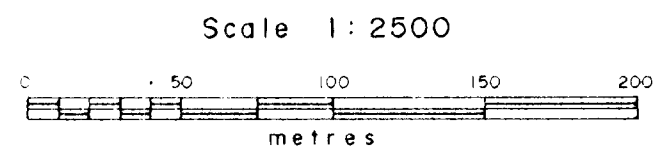
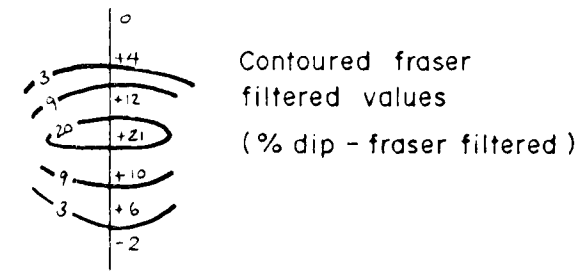
GRID GEOLOGY	
Azimuth Geological	By: J. Cuttle Drawn: Date: October 1987
Figure: 6	



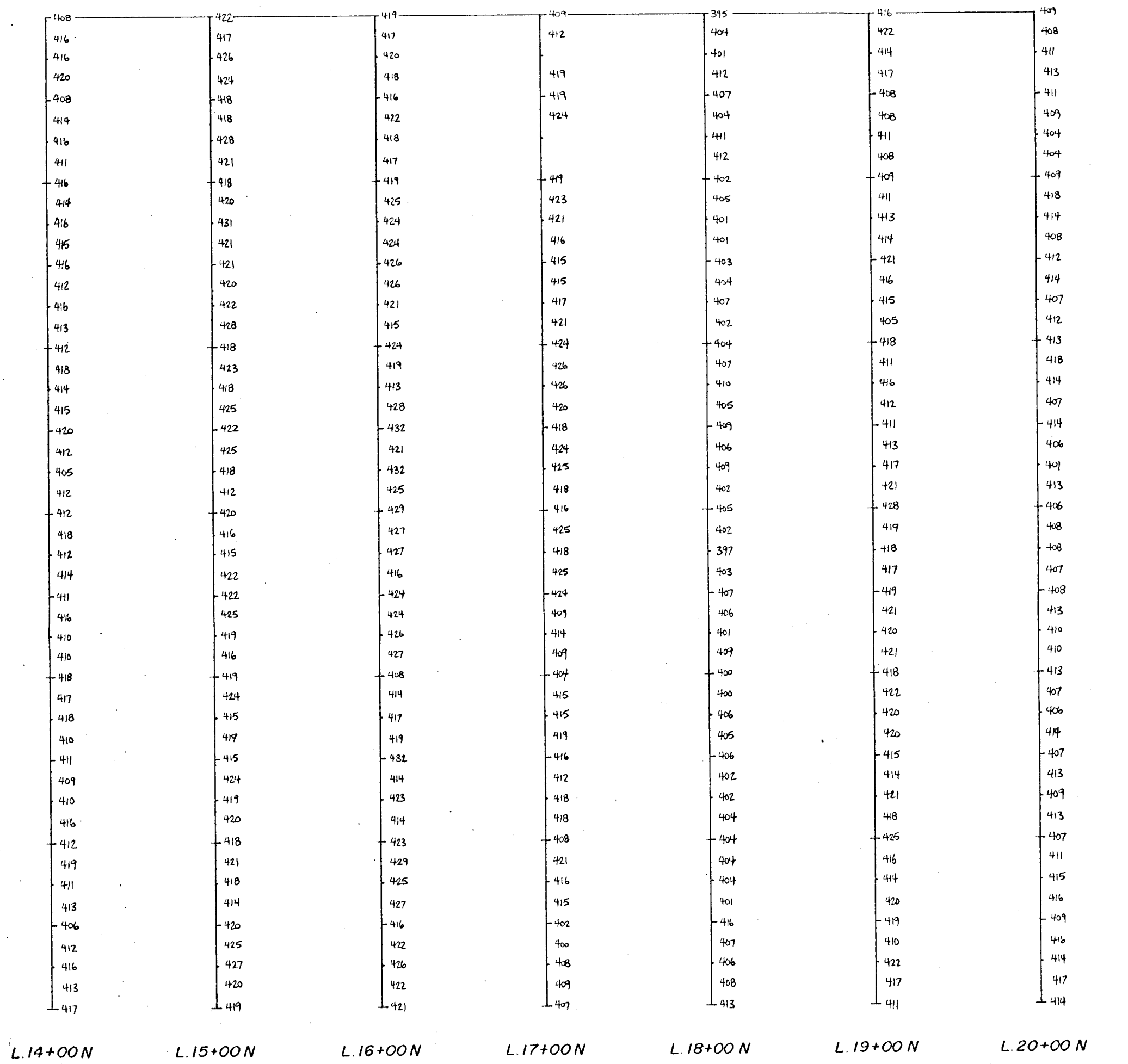
B/L 0+00
 -
 -
 1+00 E
 -
 -
 2+00 E
 -
 -
 3+00 E
 -
 -
 4+00 E
 -
 -
 5+00 E
 -
 -
 6+00 E



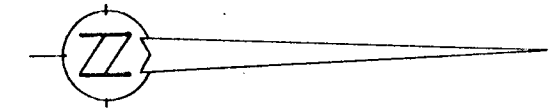
CHABLIS RESOURCES LTD. BRANCH
 2575
 REPORT
 17,107



CHABLIS RESOURCES LTD.		
GOLDBREAK 25 CLAIM		
VLF-EM-16 SURVEY		
Fraser Filtered		
Azimuth Geological	By: J. Cuttle	Figure: 7
	Drawn:	
	Date: September 1987	



B/L 0+00
 1+00 E
 2+00 E
 3+00 E
 4+00 E
 5+00
 6+00 E



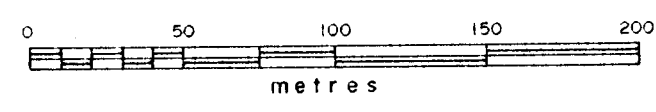
GEOLOGICAL BRANCH
 ASSESSMENT REPORT

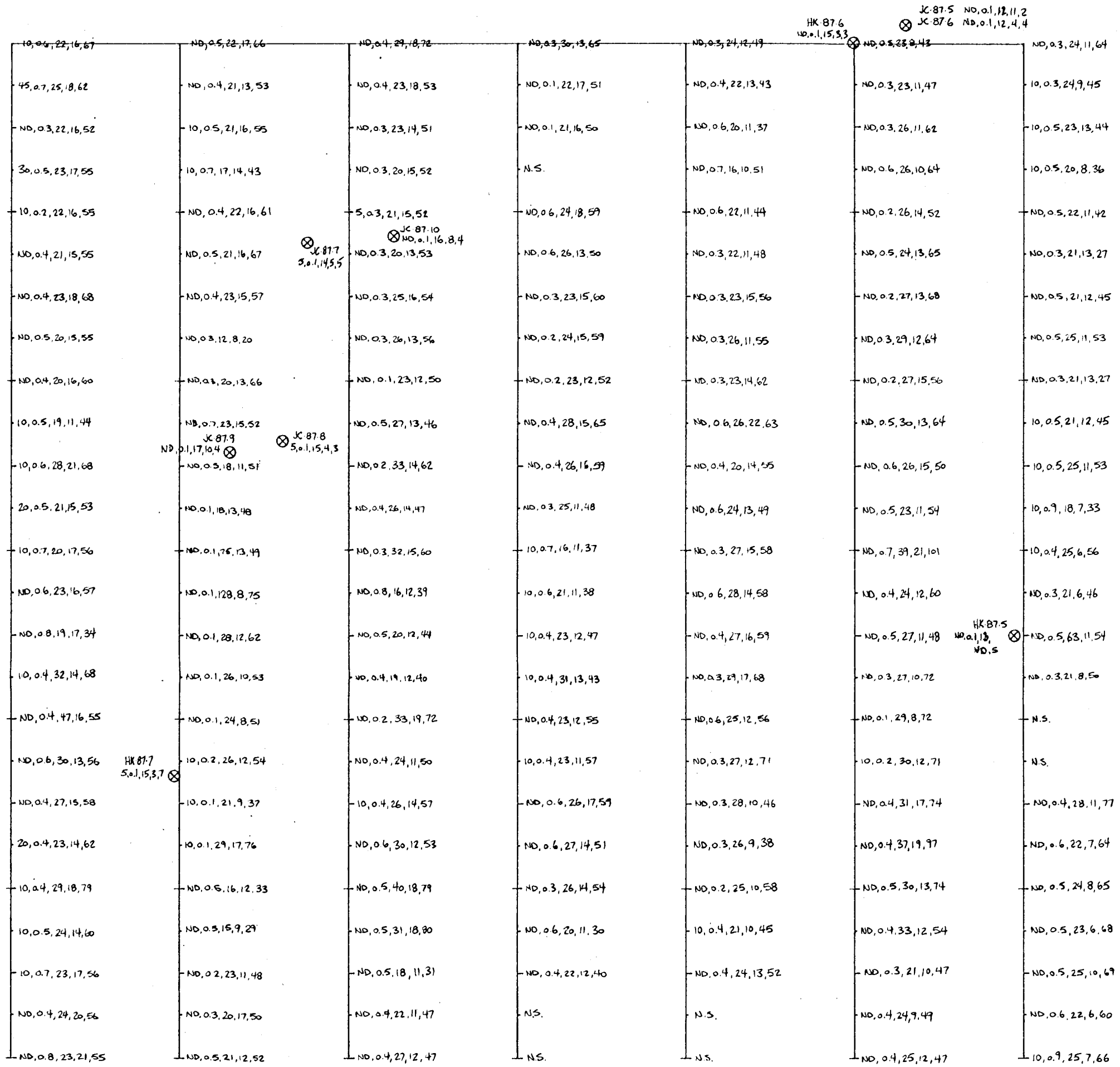
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CHABLIS RESOURCES LTD.		
GOLDBREAK 25 CLAIM		
PROTON MAGNETOMETER SURVEY		
Azimuth Geological	By: J. Cuttle	Figure: 8
	Date: September 1987	

Base level : 58,000 Gammas

Scale 1:2500





B/L 0+00
 —
 1+00 E
 —
 2+00 E
 —
 3+00 E
 —
 4+00 E
 —
 5+00 E
 —
 6+00 E



17,107

L.14+00N L.15+00N L.16+00N L.17+00N L.18+00N L.19+00N L.20+00N

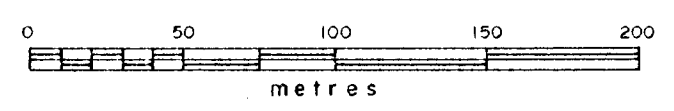
SOIL SAMPLES

10.04.23.12.47 (Au-ppb, Ag, Cu, Pb, Zn-ppm)
 ND Not detected
 NS. No sample

ROCK SAMPLES

⊗ 5.01.14.5.5 (Au-ppb, Ag, Cu, Pb, Zn-ppm)

Scale 1:2500



CHABLIS RESOURCES LTD.		
GOLDBREAK 25 CLAIM		
SOIL and ROCK GEOCHEMISTRY		
Gold, Silver, Copper, Lead, Zinc		
Azimuth Geological	By: J. Cuttle	Figure: 9
	Drawn:	
	Date: September 1987	