010

CONSOLIDATED SILVER BUTTE MINES LTD.
REPORT ON GEOLOGICAL, GEOCHEMICAL AND VLF-EM SURVEYS, CLAIMS P-537233 AND P-622048 TO 622050 CHESTER TWP., PORCUPINE M.D., ONTARIO.

BY: J. BANKOWSKI, BSc.

NOVEMBER, 1987

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INTRODUCTION

A program of geological mapping, geochemical sampling and VLF-EM surveying was conducted on claims 537233 and 622048 to 050 by J. Bankowski, C. Black and P. Stewart from Aug. 27 to Sept. 6, 1987.

The work was carried out on a grid with 400-foot line spacings and stations every 100 feet along the lines. A total of 79 soil samples and 10 rock-chip samples were obtained and submitted to Bell-White Labs of Haileybury for analysis.

The four subject claims and two contiguous claims to the east compose the 6-claim "South Group" which is currently in good standing and are registered to Cons. Silver Butte Mines Ltd. of Vancouver.

LOCATION AND ACCESS

The claims are located in the SE$\frac{1}{4}$ of the NW$\frac{1}{4}$ of the SE$\frac{1}{4}$ of Chester Twp. and are located about mid-way between the cities of Sudbury and Timmins along Hwy. 144 (Location Map, P.2).

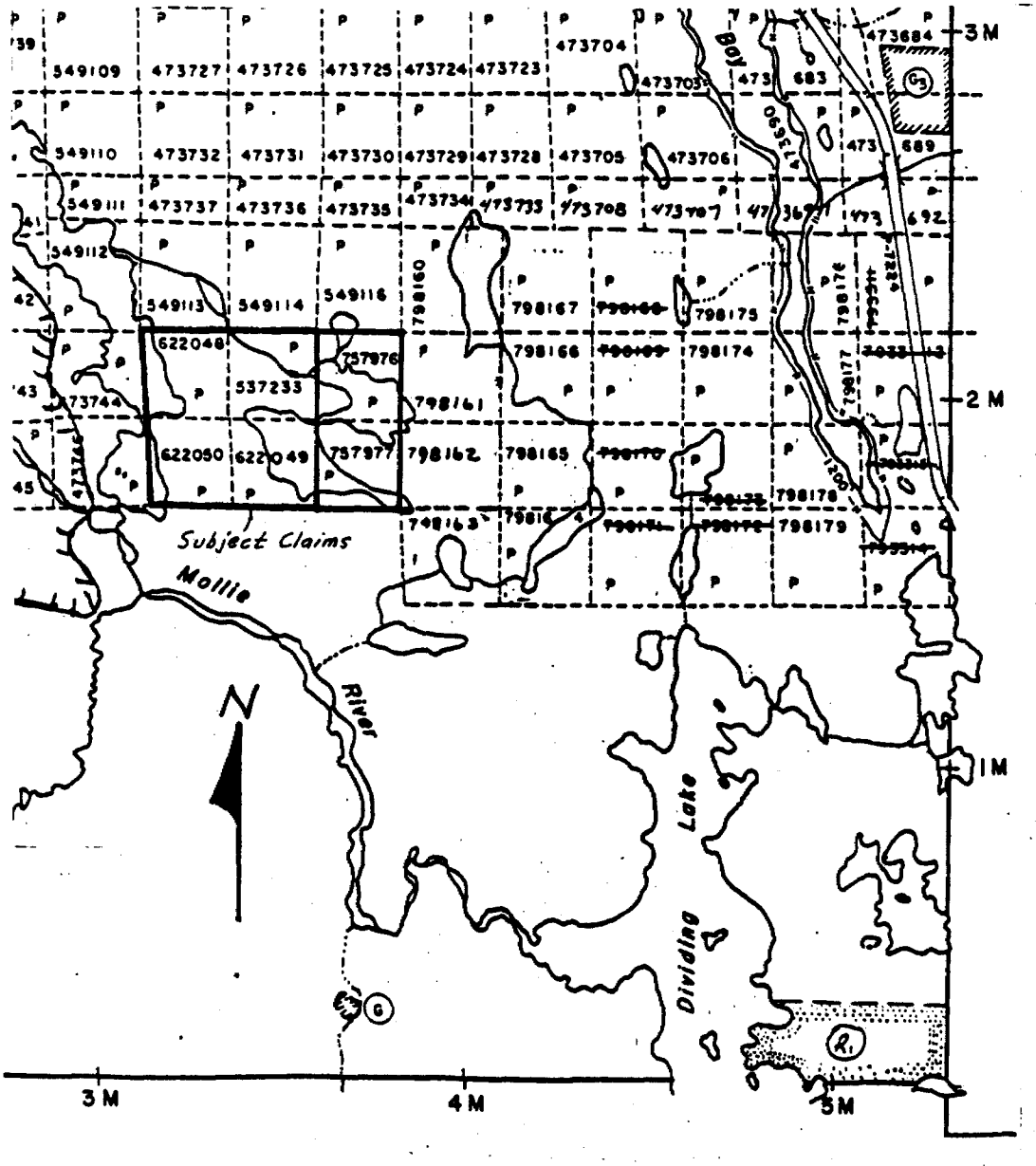
Access to the claims is via a recently constructed lumber road and then 1000 feet east by canoe accross lower Duck Lake.

REGIONAL GEOLOGY

The area is underlain entirely by late Archean intrusive rocks belonging to the "Granodiorite Clan" classification. Regionally, this large intrusive complex ranges from mafic diorite-granodiorite to acidic alaskite-trondhejemite phases and is migmatitic with abundant xenoliths of Archean volcanic rocks which range from "fresh" and relatively unaltered to completely digested.

The area has been mapped (Siragusa, P.2449, 1980) and this is the best referrence map available.

Three prominent sets of structure are present in the area. The most prominent set are a series of faults paralelling the Lake Mesomikenda fault at about 150 to 170° Az.. These stuctures are often intruded by diabase dikes.



TOWNSHIP

CHESTER

Number

G-3223

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

J. Barbeau

CLAIM LOCATION MAP

REGIONAL GEOLOGY (CON'T)

The next most prominent set of structure are a series of shears trending at 90 to 120° Az. and it is this set of shears that commonly hosts gold mineralization in the area especially at the intersection of the faults at 150 to 170° Az. and the above-mentiones shears.

The third set consists of a series of faults trending at about 45° Az. and sometimes filled by large quartz-diabase dikes.

The gold occurrence on claim 537233 trends at 72° Az. and is the most southerly of the known occurrences in the area.

CLAIM GEOLOGY

Three distinct rock-types ranging from mafic to acidic composition were noted while mapping the claims. (Figure 1).

The mafic component cosists of fine to medium-grained diorite locally with a relatively high silica content. This rock ranges from dark green to medium green in colour, is quite dense and tends to be slightly magnetic due to magnetite. Typically, this rock has a fine-grained matrix with medium-grained mafic minerals. Locally, the diorite is silica altered with variable development of sub to euhedral blue quartz "eyes" and significant development of epidote. Sulphide content is generally less than 1% but was noted up to 20% in a shear at L4E-20S.

Diorite is the most abundant type noted and forms about 50% of the mapped area.

Granodiorite is medium to coarse-grained with a "salt and pepper" texture of dark mafics and light coloured feldspars. Biotite and epidote enrichment occur locally as does development of blue quartz "eyes". This is the least common rock mapped and comprises about 15% of the area.

Pink and white granite are the most acidic rocks noted and comprises the remaining 35% of the area. The pink granites have a higher orthoclase content than the white type which has more albite. This rock is coarse-grained and massive and is locally biotite and epidote enriched and also quartz altered locally with up to 60% blue quartz "eyes" noted.

CLAIM GEOLOGY (CON'T.)

This rock-type hosts the gold occurrence at L16E-13S where a fissure vein of quartz about 2 feet wide has been traced for 325 feet to the east at a bearing of 72° Az.. A total of 1062.6 feet was drilled in 15 shallow drill holes from 1979 to 1983 with the best intersection being 0.262 oz. Au/T obtained over 6 feet. A grab sample of better mineralization by the author in 1986 gave a value of 1.24 oz. Au/T.

Overburden on the claims is generally thin at about 5-10 feet but is quite extensive and coupled with heavy deadfall and thick organics, rock exposure is poor.

GEOCHEMICAL SURVEY

A total of 79 soil samples and 10 rock-chip samples were obtained and submitted for assay (Figures 1 & 2).

The results of the soils was plotted and contoured at 10 ppb Au intervals (Figure 2).

Background appears to be about 5 ppm Au with a maximum value obtained of 44 ppb.

Three areas of anomalous gold concentration were noted and designated "A","B" & "C" in decreasing order of magnitude as follows:

"A" - located at L4E-3S to L12E-1S forms a linear 800 feet long at a bearing of 77° Az. with a maximum value of 41 ppb Au.

"B" - located at L8E-12S to L12E-11S forms a 400 foot linear at about 75° Az. and with a maximum value of 44 ppb Au.

"C" - located at L4E-16S to L8E-16S forms a 400 foot linear at about 90° Az. with a maximum value of 28 ppb Au.

All three anomalous areas are on the west claims while the east claims appear to be "flat". Sampling on the east claims however was very limited due to abundant swamp and water and this would probably account for the lack of anomalies.

The highest assay for the 10 rock chip samples was 754 ppb Au and was obtained from sheared diorite at L4E-20S.

VLF-EM SURVEY

The VLF-EM survey outlined a total of 4 conductors which in decending magnitude are (Figure 3):

Conductor 1 - located at L12E-2S to L24E-8S at a bearing of 114° Az. This is a strong conductor with maximum and minimum values of +63% and -74% and is known to extend eastward for at least 600 feet from a previous EM survey of the claims to the east giving the conductor a total length of at least 2200 feet. The entire surface trace of the conductor is in low swamp and water but would appear to be too strong to be caused by fluid channeling or organic causes and most likely is related to a concentration of sulphide.

Conductor 2 - located at L16E-15+50S at a similar bearing as Conductor 1. This is also a strong conductor with maximum and minimum values of +48% and -37%. The author traced the conductor 200 feet east and 100 west to a lake so the length is at least 300 feet and likely continues to the east in the lake. Again, the conductor appears to be too strong to be explained by fluid channeling or organics and appears to be related to sulphide.

Conductor 3 - located at L8E-13S is a weak conductor of +3% and -17%. The conductor is in low groundand may be caused by organics but is roughly on strike with Conductor 2 and is co-incident with geochemical anomaly "B" and therefor is interesting.

Conductor 4 - located in lake. Values of +41% and -25% were obtained 760 feet apart from opposite ends of a small bay. Again, this conductor is too strong to be fluids or organics.

CONCLUSIONS AND RECOMMENDATIONS

Geologically, this is a very interesting, complex setting which has high potential for the discovery of high-grade gold mineralization as on claim 537233 where a grab sample taken by the author in 1986, gave a value of 1.24 oz. Au/T.

Two of the geochemical anomalies trend at about 75° Az, which is roughly parallel to the gold-bearing vein on claim 537233 and may be caused by similar mineralization.

A strong, 2200+ foot long conductor appears to be associated with geochemical anomaly "A" at the north portion of the claim group and this geochemical anomaly should be closely examined on the ground as should anomalies "B" & "C".

The cause of the VLF-EM conductors can be resolved only by drilling as all conductors are in swamp or water. A similar conductor about $\frac{1}{4}$ mile north of the subject claims on claims registered to Murgold Resources Inc. has had a grid and VLF surveying conducted on it and is to be drilled in Jan.-Feb, 1988. If the results of this drilling prove encouraging, drilling is recommended on the conductors on the subject claims. Detailed VLF should be conducted prior to any drilling on the claims and should be done in Jan.-Feb, 1988.

Respectfully submitted

J. Bankowski

J. Bankowski, BSc.(geol.)

November 18, 1987.

CERTIFICATE

I, Joseph H. Bankowski, do hereby certify:

1 - that I am an exploration geologist residing at 88 Edgedale Dr. N.W., Calgary, Alberta;

2 - that I am a graduate of the University of Western Ontario, 1980 with a B.Sc. (Geology) and a graduate of Cambrian College, Sudbury, Ontario, 1972 (Geol. Tech.) ;

3 - that I have been engaged in the practice of my profession since graduating ;

4 - that I have no interest, direct or indirect, nor do I expect to receive any such interest in the properties or securities of Consolidated Silver Butte Mines Ltd.

Joseph H. Bankowski
Geologist (B.Sc.)
J. Bankowski
November 18, 1987.

A P P E N D I X

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3535 DATE: October 27, 1987

SAMPLE(S) OF: Rock (10) RECEIVED: October 1987

SAMPLE(S) FROM: Mr. J. Bankowski, CALGARY, Alberta

Sample No.	Gold ppb
SC-1	8
2	14
3	24
4	12
5	17
6	27
7	36
8	10
9	754**
SC-10	43

** Checked

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN PRACTICE UNLESS IT IS SPECIFICALLY STATED OTHERWISE, GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3527 DATE: October 27, 1987

SAMPLE(S) OF: Soils (79) RECEIVED: October 1987

SAMPLE(S) FROM: Mr. J. Bankowski, CALGARY, Alberta

Sample Identification	Au ppb	Ag ppm
S.C. L0E - B	10	ND
L4E - B	4	0.2
- 1S	18	0.2
- 3S	38	0.2
- 5S	6	0.2
- 14+40S	6	0.2
- 15S	10	0.2
- 16S	22	0.2
- 17S	10	0.2
- 18S	16	0.2
- 19S	12	0.2
- 20S	15	ND
- 21S	10	ND
L8E - B	16	ND
- 2+15S	34	0.4
- 3S	10	0.2
- 4S	8	0.2
- 5S	8	0.4
- 7S	10	0.4
- 8S	8	0.2
- 9S	8	0.2
- 10S	6	0.6
- 11S	8	0.2
- 12S	44	0.4
- 14S	4	0.4
- 15S	8	0.4

NOTE: ND denotes not detected.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN PRACTICE UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 3527 DATE: October 27, 1987

SAMPLE(S) OF: Soils (79) RECEIVED: October 1987

SAMPLE(S) FROM: Mr. J. Bankowski, CALGARY, Alberta

Sample Identification	Au ppb	Ag ppm
L8E - 16S	28	ND
- 17S	4	0.2
- 18S	10	0.6
- 21S	8	0.6
- 22+92S	7	0.4
L12E - B	19	0.8
- 1S	41**	0.6
- 2S	7	0.4
- 4S	10	0.2
- 6S	4	0.4
- 7S	3	1.0
- 8S	11	0.4
- 9S	8	0.4
- 10S	5	0.4
- 11S	15	0.6
- 12S	7	0.2
- 14S	5	0.2
- 16S	1	0.4
- 17S	3	0.4
- 21S	3	1.0
- 22S	7	0.2
- 23S	2	0.6
- 24S	3	0.4
- 25S	2	0.6
- 26S	10	ND
L16E - 2S	2	0.2

NOTE: ND denotes not detected.
** Checked

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER _____

BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

Page 3 of 3

NO. 3527 DATE: October 27, 1987

SAMPLE(S) OF: Soils (79) RECEIVED: October 1987

SAMPLE(S) FROM: Mr. J. Bankowski, CALGARY, Alberta

Sample Identification	Au ppb	Ag ppm
L16E - 6S	5	0.6
- 11S	4	0.6
- 17S	5	0.6
- 20S	2	0.2
- 21S	3	0.6
- 22S	3	0.2
- 23S	3	0.2
- 23+41S	3	0.4
L20E - 1N	2	0.6
- B	4	0.8
- 1S	2	0.8
- 2S	2	0.6
- 3S	3	0.4
- 4S	2	0.6
- 7S	3	ND
- 23+40S	2	0.8
L24E - 1N	3	0.4
- B	3	0.6
- 1S	2	0.4
- 2S	3	0.6
- 3S	2	0.6
- 5S	8	0.4
- 7S	2	0.8
- 8+50S	3	0.6
- 10S	3	0.8
- 11S	2	0.2

NOTE: ND denotes not detected.

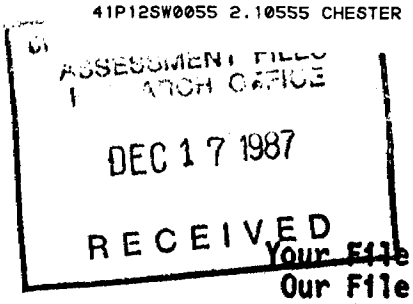
IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AVERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE, GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER _____

41P12SW0055 2.10555 CHESTER

900



December 10, 1987

Your File: 235/87
Our File: 2.10555

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated November 25, 1987
Geological and Geochemical Survey on Mining Claims
P 537233 et al in Chester Township

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

DK:pl
Enclosure: Technical Assessment Work Credits

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Timmins, Ontario

Consolidated Silver Butte Mines Ltd.
Suite 906
837 W. Hastings Street
Vancouver, B.C.
V6C 1B6

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.10555

Date: November 25, 1987

Mining Recorder's Report of Work No.: 235/87

Recorded Holder: Consolidated Silver Butte Mines Ltd.

Township or Area: Chester

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	P-537233
Magnetometer _____ days	622048
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) *See "Mining Claims Assessed" column*	
Geological _____ days	
Geochemical 20 days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

10 days Geochemical

P - 622049-50

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.10555

Date: November 25, 1987

Mining Recorder's Report of Work No.: 235/87

Recorded Holder: Consolidated Silver Butte Mines Ltd.

Township ~~XXXXX~~: Chester

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	P-537233
Magnetometer _____ days	622050
Radiometric _____ days	
Induced polarization _____ days	
Other _____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological 40 days	
Geochemical _____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

30 Days Geological

P-622048-49

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

626 (85/12)

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

#235/87

2.10555

Mining Act

Nov. 11

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
GRID, GEOLOGICAL, GEOCHEMICAL & VLF-EM	CHESTER TWP.

Claim Holder(s)	Prospector's Licence No.
CONSOLIDATED SILVER BUTTE MINES LTD.	M21777

Address: #906 – 837 W. HASTINGS ST., VANCOUVER, B.C., V6C 1B6

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
J. Bankowski (Geol.)	27 Day | 06 Mo. | 87 Yr. — 06 Day | 09 Mo. | 87 Yr.	4 mi

Name and Address of Author (of Geo-Technical report): J. Bankowski, 88 Edgedale Dr. N.W., Calgary, Alta., T3A 2R4

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical already has max. geophy. (airborne) · Electromagnetic	~~40~~
	· Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	· Radiometric	
	· Other	
	Geological	40
	Geochemical	40

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	· Electromagnetic	
	· Magnetometer	
	· Radiometric	
	· Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
OCT 14 1987
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	537233	—
	622048	~~80~~
	622049	~~80~~
	622050	~~80~~

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECORDED
SEP 22 1987

Expenditures (excludes power stripping)

RECEIVED
MINING LANDS SECTION
SEP 22 1987

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work: 4

For Office Use Only		
Total Days Cr. Recorded: 320	Date Recorded: Sept 22/87	Mining Recorder: R. Hanley
	Date Approved as Recorded	Branch Director: See reversed statement.

Date	Recorded Holder or Agent (Signature)
Sept. 22/87	J. Bankowski

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: J. Bankowski, 88 Edgedale Dr. N.W., Calgary, Alta., T3A 2R4

Date Certified	Certified by (Signature)
Sept. 22/87	J. Bankowski

1362 (81/9)

November 12, 1987 Report of Work: 235/87

Consolidated Silver Butte Mines Ltd.
#906 - 837 W. Hastings St.
Vancouver, B.C.
V6C 1B6

Dear Sirs:

RE: Mining Claims P-537233 et al
in the Township of Chester

We have not received the reports and maps (in duplicate) for the Geological and Geochemical Surveys on the above-mentioned claims.

As the assessment "Report of Work" was recorded by the Mining Recorder on September 22, 1987 the 60 day period allowed by Section 77 of the Mining Act for the submission of the technical reports and maps to this office will expire on November 21, 1987.

If the material is not submitted to this office by November 23, 1987, we will have no alternative but to instruct the Mining Recorder to delete the work credits from the claim record sheets.

For further information, please contact Mr. Dennis Kinvig at (416) 965-4888.

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

DK:pl
Enclosure: Report of Work

cc: Mining Recorder
Timmins, Ontario

Mr. J. Bankowski
88 Edgedale Dr. N.W.
Calgary, Alberta
T3A 2R4

Ontario

Ministry of Northern Development and Mines

Geophysical-Geological-Geochemical Technical Data Statement

File 235/87

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geology, Geochemistry & VLF-EM

Township or Area Chester Twp.

Claim Holder(s) Cons. Silver Butte Mines Ltd., #306-837 W. Hastings, Van.

Survey Company J. Bankowski

Author of Report J. Bankowski

Address of Author 88 Edgedale Dr. N.W. Calgary

Covering Dates of Survey Sept. 27 to Oct. 6/87 (linecutting to office)

Total Miles of Line Cut 4 miles

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
–Electromagnetic	
–Magnetometer	
–Radiometric	
–Other	
Geological	40
Geochemical	20

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____ (enter days per claim)

DATE: Nov. 19/87 SIGNATURE: J. Bankowski (Author of Report or Agent)

Res. Geol. _____ Qualifications 2 1007

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P-	537233
P-	622048
P-	622049
P-	622050

If space insufficient, attach list

TOTAL CLAIMS 4

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____

Station interval _____ Line spacing _____

Profile scale _____

Contour interval _____

MAGNETIC

Instrument _____

Accuracy – Scale constant _____

Diurnal correction method _____

Base Station check-in interval (hours) _____

Base Station location and value _____

_____

ELECTROMAGNETIC

Instrument Geonics EM-16

Coil configuration NA

Coil separation NA

Accuracy _____

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency _____

(specify V.L.F. station)

Parameters measured transmitter NAA Cutler, Maine 24.0 kHz.

GRAVITY

Instrument _____

Scale constant _____

Corrections made _____

_____

Base station value and location _____

_____

Elevation accuracy _____

INDUCED POLARIZATION RESISTIVITY

Instrument _____

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time _____ Frequency _____

– Off time _____ Range _____

– Delay time _____

– Integration time _____

Power _____

Electrode array _____

Electrode spacing _____

Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken 4

Total Number of Samples 79

Type of Sample soils
(Nature of Material)

Average Sample Weight 100 g

Method of Collection mattock

Soil Horizon Sampled B

Horizon Development

Sample Depth

Terrain

Drainage Development

Estimated Range of Overburden Thickness

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis

General

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☑ Ag
p. p. b. ☑ Au

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others

Field Analysis (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Field Laboratory Analysis
No. (_____ tests)
Extraction Method
Analytical Method
Reagents Used

Commercial Laboratory (_____ tests)
Name of Laboratory
Extraction Method
Analytical Method
Reagents Used

General

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
(R)	SEC. 36/80		19/2/80	S.R.O.	171509

SAND AND GRAVEL

(G) QUARRY PERMIT

(G1) M.T.C. PIT No. 1349

(G2) M.T.C. GRAVEL PIT No. 1649

(G3) M.T.C. GRAVEL PIT No. 1385

NOTES

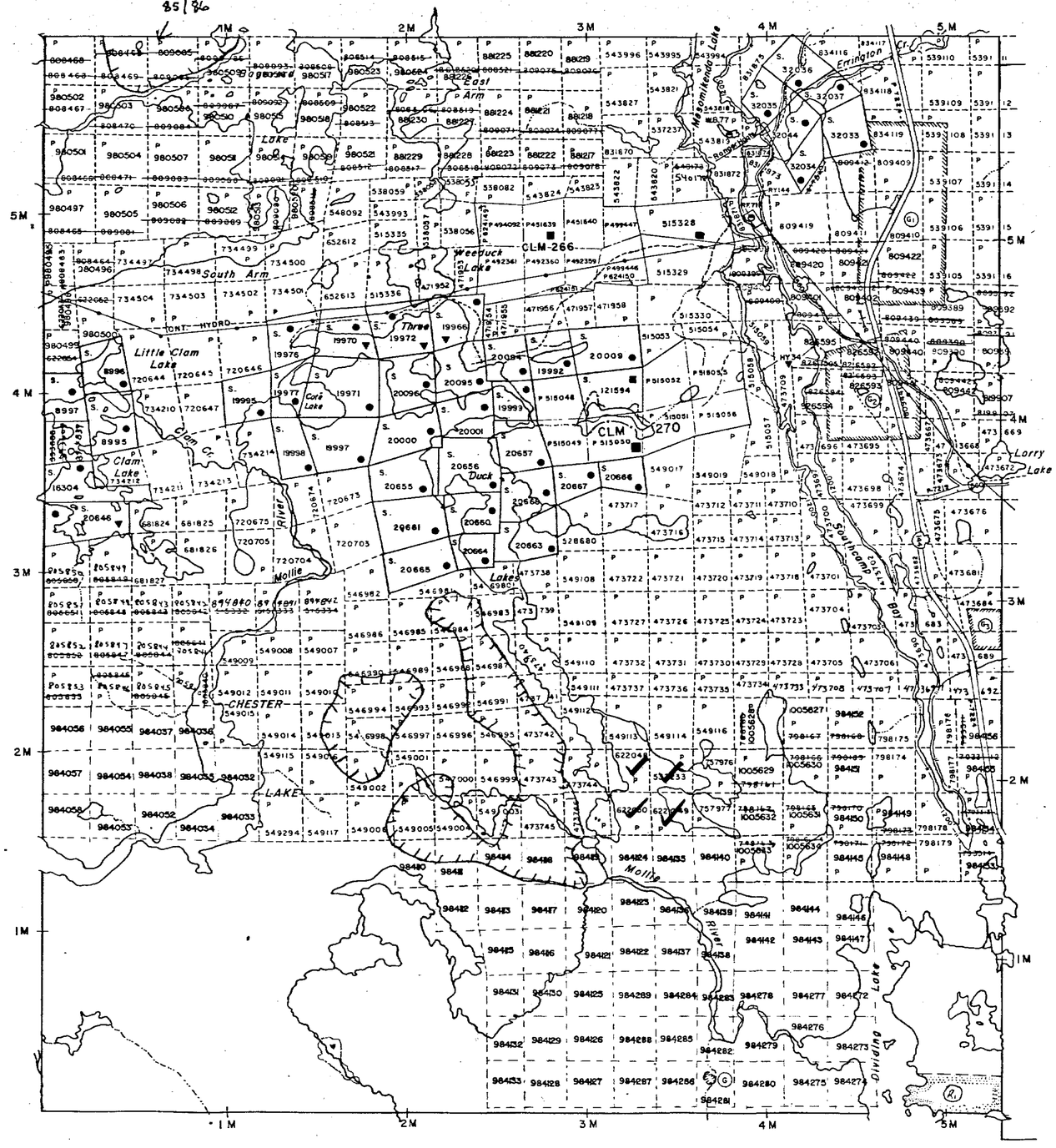
FLOODING RIGHTS TO CONTOUR 1200' RESERVED TO ONT. HYDRO, LOC. HY 36, L.O. 7543, FILE 10621.

Forestry operations cutting and site preparation 85-86

41P12SW0055 2.10555 CHESTER

NEVILLE TP.

cutting Area 85/86



YEO TP.

BENNEWEIS TP.

INVERGARRY TP.

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◒
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	◨
" , MINING RIGHTS ONLY	◨
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	Ⓡ
CANCELLED	⊗
SAND & GRAVEL	Ⓖ

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC 1.

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

CHESTER

M.N.R. ADMINISTRATIVE DISTRICT

GOGAMA

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

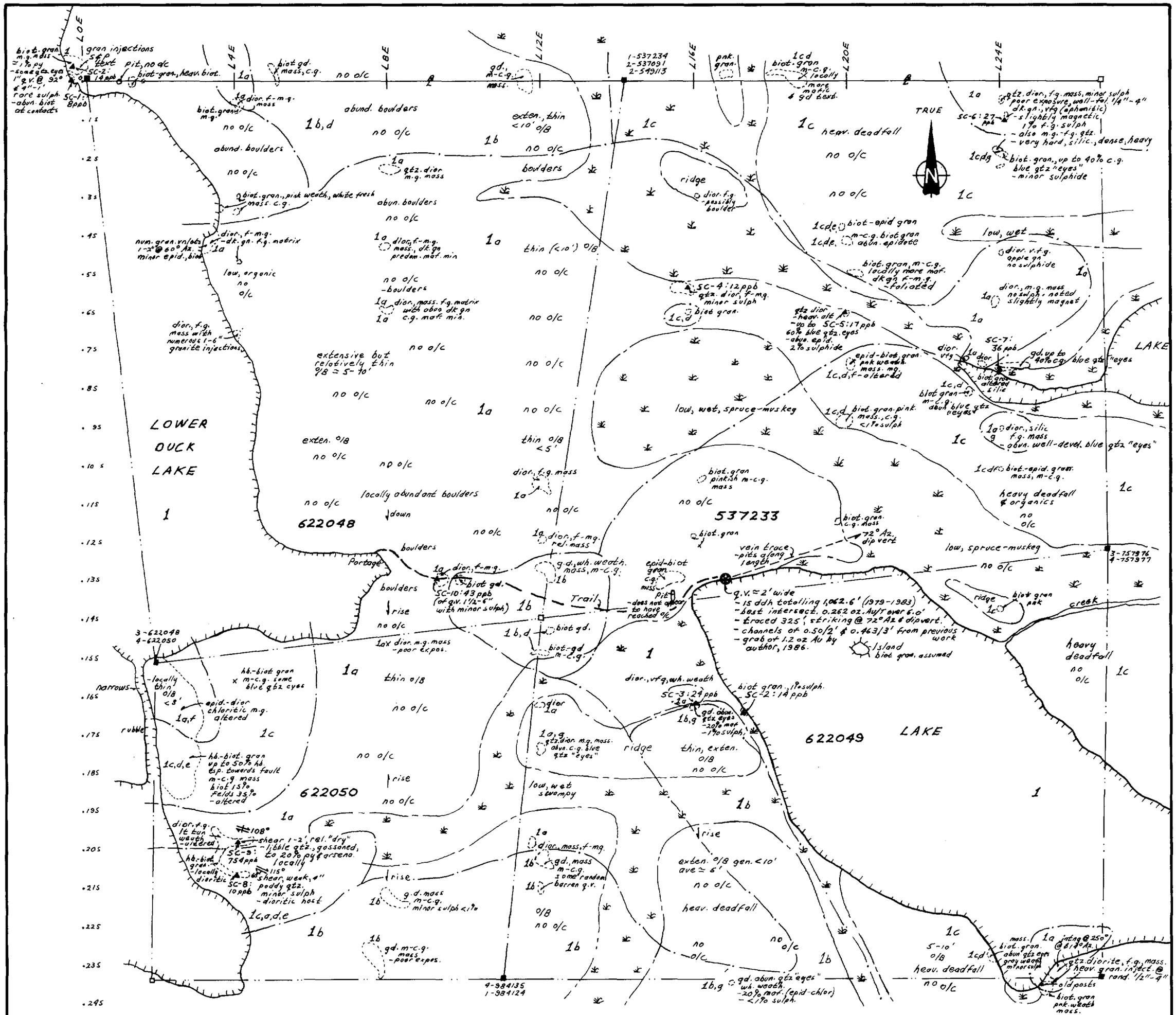
PORCUPINE MINING DIVISION RECEIVED SEP 3

Ontario Ministry of Natural Resources — Land Management Branch

Date MARCH, 1985

Rec'd Cpr. 4/85 checked L.H.

Number G-3223



LEGEND

Archean:
- 1 - granodioritic intrusive complex, undifferentiated
- 1a - diorite; fine to medium-grained, dark to medium green, commonly magnetic
- 1b - granodiorite; medium to coarse-grained, massive, "salt & pepper" texture
- 1c - granite; some white (albite), some pink (orthoclase)
- 1d,e,f - biotite, hornblende, epidote-rich
- 1g - with coarse-grained blue quartz-"eyes"

—.— - geological contact

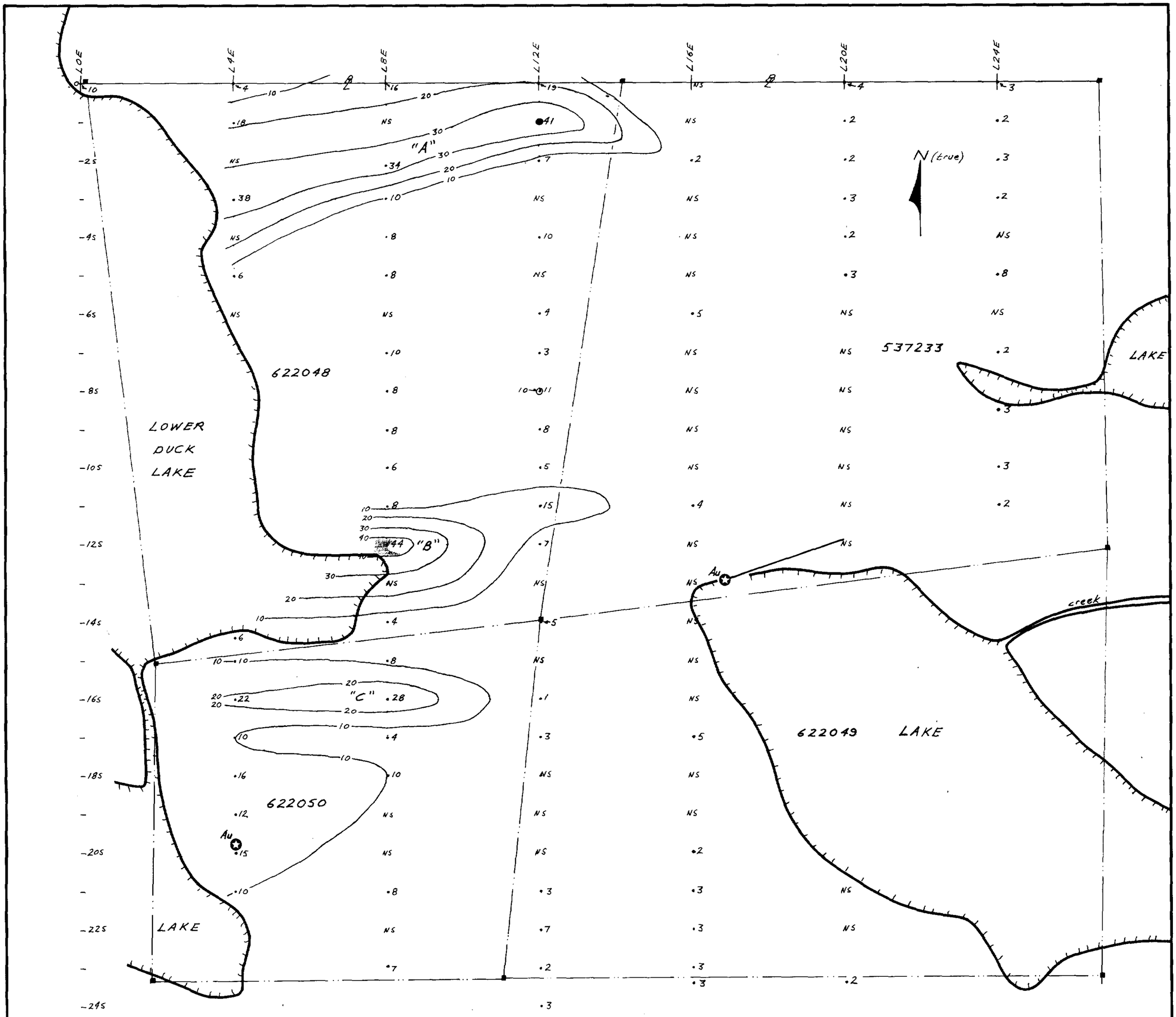
CONSOLIDATED SILVER BUTTE MINES LTD.

FIG. 1 - GEOLOGY; CLAIMS P-537233 & 622048-050
CHESTER TWP., PORCUPINE M.D., ONTARIO.

SCALE: 1" - 200' 1:2400

0 100 200 300 400 FEET

Drawn By: J. Bankowski, November, 1987



LEGEND

- .44 ; soil sample and assay in ppb Au
  - Ag in ppm also assayed but not plotted
  - refer to assay sheet in Appendix
- contour interval : 10 ppb
- NS : no sample, swamp or water or lack of soil
- "A" - geochemical anomaly in priority sequence
- Au - mineralized occurrence

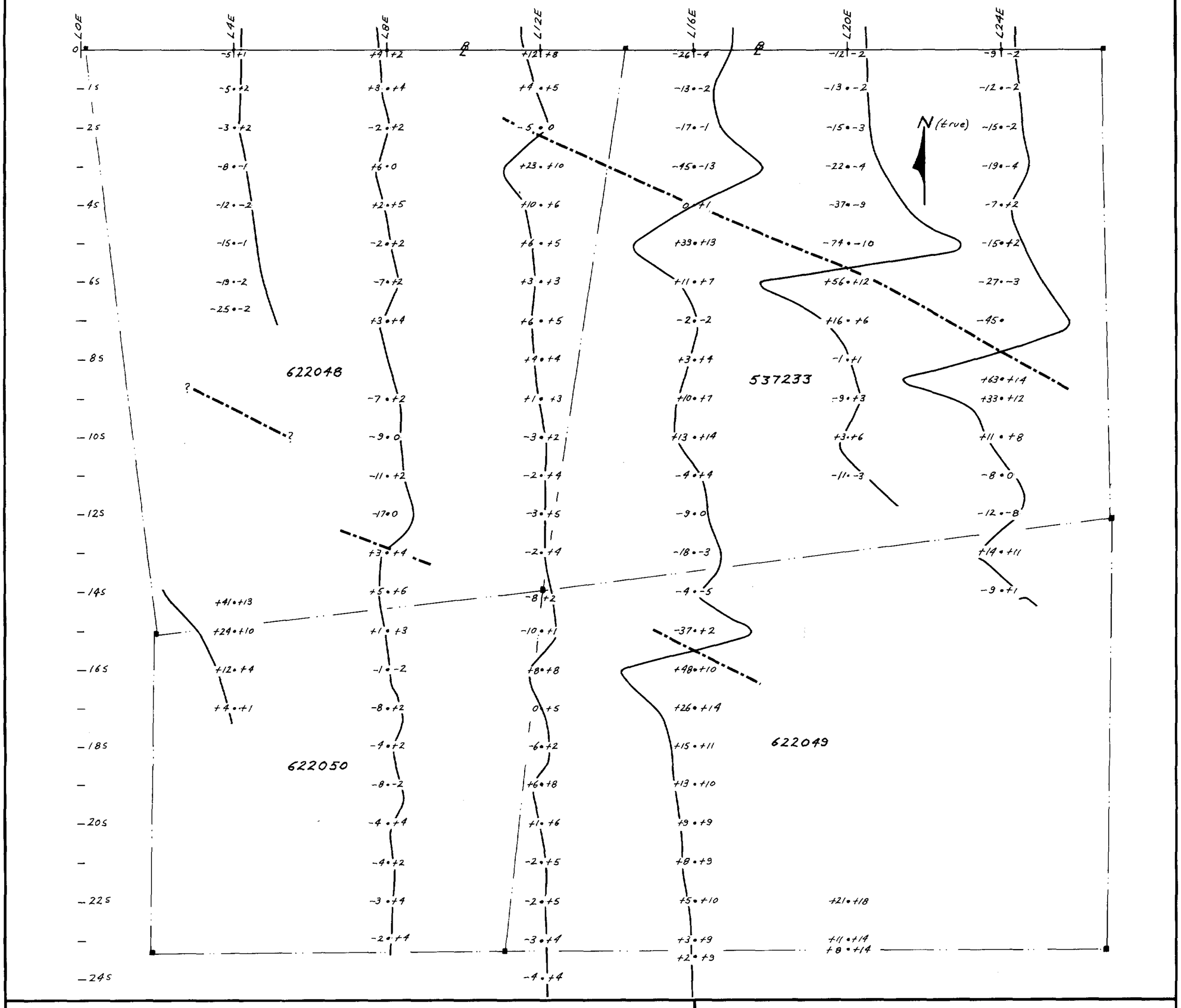
Au (ppb)
0-10
10-20
20-30
30-40
40-50

CONSOLIDATED SILVER BUTTE MINES LTD.

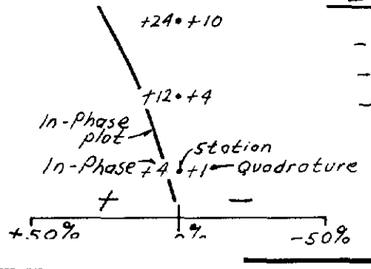
FIG. 2 - GEOCHEMISTRY; CLAIMS P-537233 & 622048-050, CHESTER TWP., PORCUPINE M.D., ONT.

SCALE: 1"-200' 0 100 200 300 400 FEET 1:2400

Drawn By: J. Bankowski, November, 1987



LEGEND



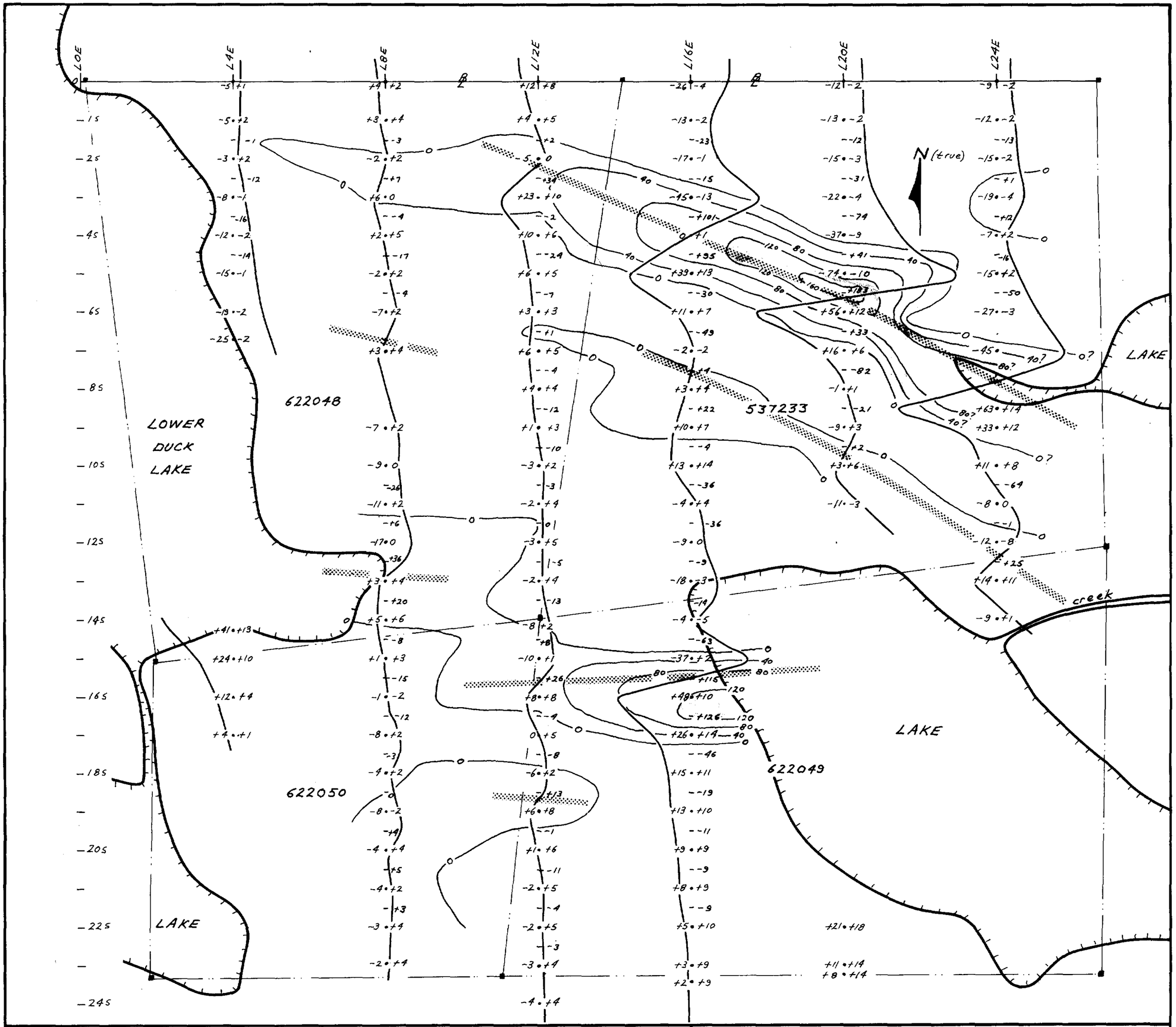
- In-Phase plotted @ 1" : 50%
- transmitter NAA Cutler, Maine @ 24.0 KHz.
- Instrument: Geonics EM-16
- ▬·▬·▬ - conductor axis
- all readings taken facing N (@ 90° to trans.)

CONSOLIDATED SILVER BUTTE MINES LTD.

FIG. 3 - VLF-EM SURVEY; CLAIMS P-537233 & 622048-050, CHESTER TWP., PORCUPINE M.D., ONT.

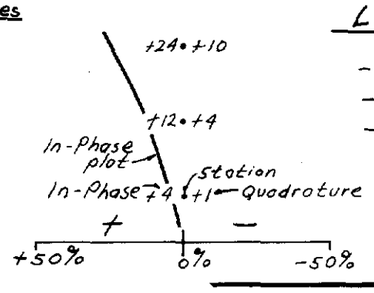
SCALE: 1" - 200' 0 100 200 300 400 FEET 1:2400

Drawn By: J. Bankowski, November, 1987.



Filtered Values

- 0-40
- 40-80
- 80-120
- 120-160
- 160-200



LEGEND

- In-Phase plotted @ 1" : 50%
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- Instrument: Geonics EM-16
- conductor axis
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CONSOLIDATED SILVER BUTTE MINES LTD.

FIG. 3 - VLF-EM SURVEY; CLAIMS P-537233 & 622048-050, CHESTER TWP., PORCUPINE M.D., ONT.

SCALE: 1" - 200' 0 100 200 300 400 FEET 1:2400

Drawn By: J. Bankowski, November, 1987.

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