



41P12SW8456 2.12807 CHESTER

010

SILVER BUTTE RESOURCES LTD.  
REPORT ON GEOLOGICAL MAPPING  
AND SAMPLING PROGRAM  
CLAIMS P-809389-392, 399-402,  
420-422, 439-442, 819907 and  
826592-595  
CHESTER TOWNSHIP, PORCUPINE  
MINING DIVISION, ONTARIO.

2.12807

J. Bankowski, B.Sc.(Geol.)  
October, 1989.

Qual. 2.7007

TABLE



41P12SW8456 2.12807 CHESTER

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PAGE

1	.....	INTRODUCTION
	.....	LOCATION AND ACCESS
	.....	PREVIOUS WORK
2	.....	Figure 1-CLAIM LOCATION MAP
3	.....	PREVIOUS WORK (CON'T.)
	.....	REGIONAL GEOLOGY
4	.....	REGIONAL GEOLOGY (CON'T.)
	.....	CLAIM GEOLOGY
5	.....	CLAIM GEOLOGY (CON'T.)
6	.....	CLAIM GEOLOGY (CON'T.)
7	.....	CLAIM GEOLOGY (CON'T.)
8	.....	CLAIM GEOLOGY (CON'T.)
	.....	CONCLUSIONS AND RECOMMENDATIONS
9	.....	CONCLUSIONS AND RECOMMENDATIONS (CON'T.)
10	.....	REFERENCES
11	.....	CERTIFICATE
APPENDIX		
12&13	.....	ASSAY CERTIFICATES
FIGURES		
Figure 2	.....	GEOLOGY MAP, 1" to 200 feet
Figure 3	.....	GEOLOGY, "EAST" SHOW, 1" to 50 feet
Figure 4	.....	BULLDOZER STRIPPING SKETCH

## INTRODUCTION

A program of geological mapping at a scale of 1 inch to 200 feet was conducted on the 20 claim "Central Chester" property in June of 1989 using a pre-existing grid with 100 by 400-foot spacing. This grid was established during the summer of 1987 and VLF-EM and geochemical soil sampling was conducted on the property at this time.

In addition to the geological mapping, a total of 51 rock-chip samples were taken from various locations on the property and were assayed for gold and silver and a total of 80 hours of Cat D-7 bulldozer stripping was performed east of Highway #144.

The claims are all currently in good standing and are registered to Silver Butte Resources Ltd. (formerly Consolidated Silver Butte Mines Ltd.), #1201-900 West Hastings St., Vancouver, British Columbia, V6C 1E5.

## LOCATION AND ACCESS

The claims are located in east-central Chester Twp. and are bisected N-S by Hwy. #144 about 15 miles south of the town of Gogama, Ontario (Figure 1).

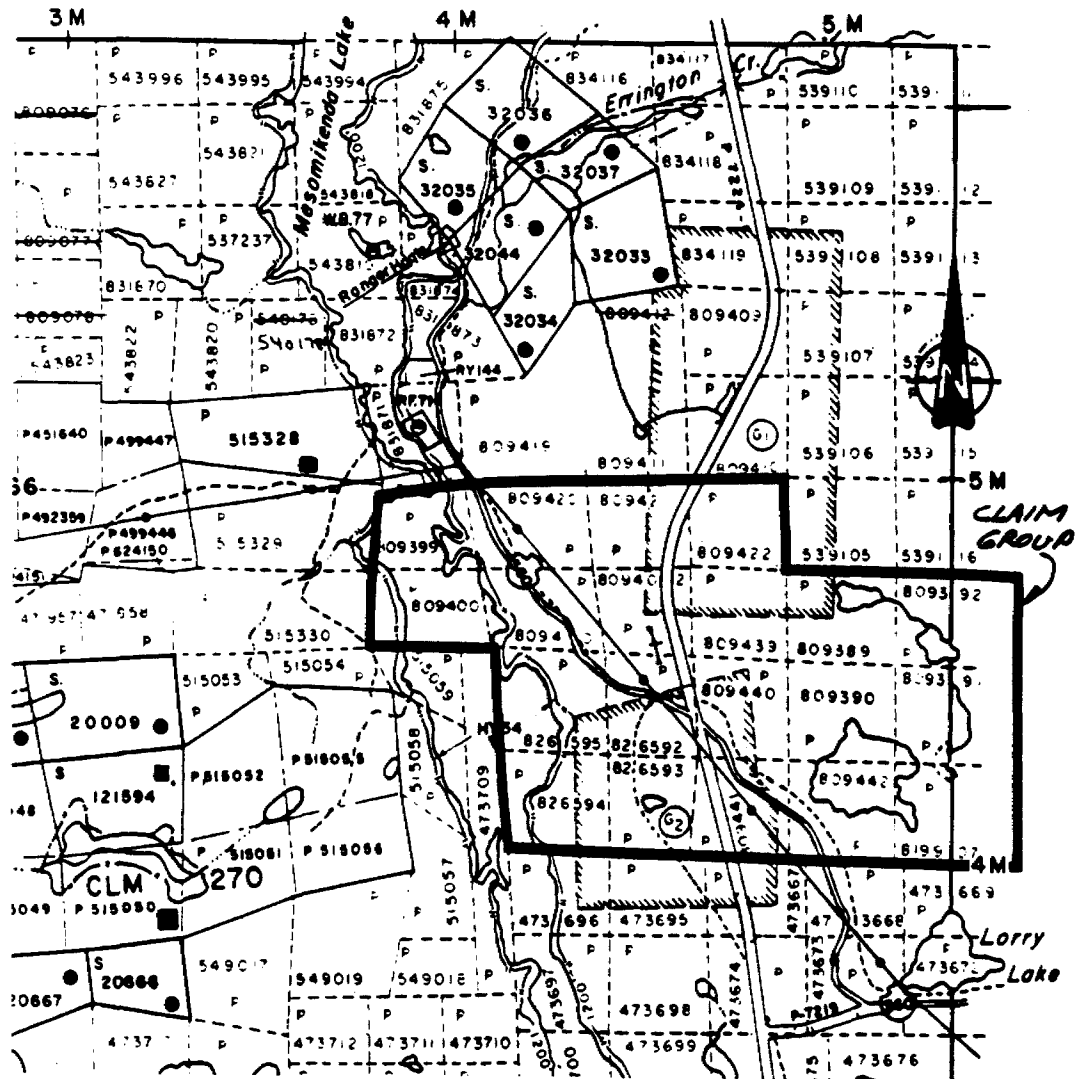
The claims are also bisected in a NW-SE direction by Hwy. #560 near the center of the claim group. West of the #144-560 intersection, the road is known as the Mesomikenda Lake road and personnel involved in the work stayed at Camp C.G.M. near the western boundary of the property. East of the intersection, the old portion of the #560 is abandoned and has not been used in quite some time but was cleared off by the bulldozer in the course of accessing the property.

Access to the property therefore is excellent and the grid also allows easy access to areas away from the roads.

## PREVIOUS WORK

A ground VLF-EM -magnetometer survey was carried out on the claims in 1980 by Shield Geophysics for William Simms and an air-born VLF-EM-magnetometer survey was conducted over the claims and adjoining area in 1985 by Terraquest for Gordon Leliever.

FIGURE 1 - CLAIM LOCATION MAP



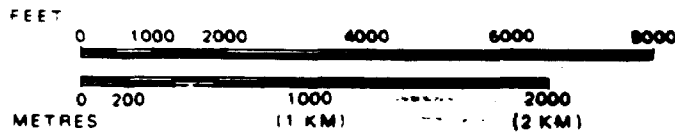
TOWNSHIP

CHESTER

Number

G-3223

SCALE: 1 INCH = 40 CHAINS



### PREVIOUS WORK (CON'T.)

Limited sampling of three known gold occurrences on the property as well as interesting mineralization along the roads on the property were taken by the author in 1986 and values up to 0.752 oz. gold per ton were obtained.

A grid with a cut baseline trending at 95-275° with flagged cross-lines at 5-185° every 400 feet and with stations every 100 feet along the lines was established in 1987 and a VLF-EM survey and a soil geochemical survey were conducted. A total of 83.5 hours of Cat D-7 bulldozer stripping was also conducted west of Hwy. #144 during 1987.

### REGIONAL GEOLOGY

The area is underlain entirely by late Archean metavolcanics and a younger, granodioritic, intrusive complex and has been mapped in 1980 by G.M. Siragusa for the Ontario Geological Survey ( Siragusa, G.M., 1981).

The metavolcanics in the general area consist of two broadly parallel Early Precambrian (Archean) belts of locally pillowed tholeiitic basalt trending west-northwest and dipping subvertically (Siragusa, G.M., 1981).

The northern basaltic belt crosses the north boundary of Chester Twp. and ranges from about 1 mile thick at the NW corner of the Twp. to  $\frac{1}{4}$  mile thick at the NE corner of the Twp.

The Southern basaltic belt is best exposed to the west of Chester Twp. in Yeo Twp. and grades to what Siragusa calls migmatite and to what Laird (Laird, H.C., 1932) called granite-diorite complex to the east as it crosses the south boundary of Chester Twp. and is about  $1\frac{1}{2}$  miles thick. The belt is basically composed of hornblende diorite-gabbro cut by veins of potassic granitic rock and appears to be the metamorphic equivalent of the basalt exposed in Yeo Twp. to the west. Xenoliths of relatively unaltered mafic volcanics are abundant within this migmatite.

Between the two basaltic belts is a band of intermediate pyroclastic metavolcanics which is in contact with the northern basaltic belt in the north portion of Chester Twp. and ranges from about 1 mile thick at the NW corner of the Twp. to  $\frac{1}{4}$  mile

REGIONAL GEOLOGY (CON'T.)

thick at the NE corner of the Twp.

Between the pyroclastic, intermediate volcanics and the south basaltic belt and comprising the central portion of Chester Twp. is a younger, intrusive, granodioritic complex composed of trondhejemite and granodiorite with numerous inclusions of mafic volcanic material.

The east-central portion of Chester Twp. is occupied by mafic rock which was mapped by Laird as Pre-Algoman dioritic intrusive grading to mafic volcanics in the SE portion of the body while Siragusa has mapped the rock as migmatite continuous with the migmatite belt in the south portion of Chester Twp.

The basalt of the south belt as exposed in Yeo Twp., the migmatite in the south portion of Chester Twp. and the mafic rock in the east-central portion of Chester Twp. are considered to all be of contemporaneous, volcanic origin which have undergone variable degrees of metamorphism in response to the younger, intrusive granodioritic complex in central Chester Twp.

All these rock-types are cut by numerous diabase dikes and lesser lamprophyric dikes both of Proterozoic age.

Three sets of faulting occur in this assemblage at about 160°, 120° and 45°. Little movement appears to have taken place on these structures except for the set at 160° as represented by the Mesomikenda Lake fault where displacement of about  $\frac{1}{4}$  mile horizontally and substantial but undetermined vertical displacement has been noted. Subordinate faults parallel to this regional fault are numerous within the intrusive complex in Chester Twp. and are commonly occupied by the Proterozoic diabase dikes. Shearing is common within the structural set at 120°.

Gold mineralization in the area is generally within the intrusive complex in shears at about 100-120° and appears to be best developed at the intersection with the 160° structures.

CLAIM GEOLOGY

The entire property is underlain by Archean rocks consisting of older, migmatitic rock of probable volcanic origin intruded by a younger, granodioritic complex which are both cut by prot-

CLAIM GEOLOGY (CON'T.)

erozoic diabase and lamprophyre dikes (Figure 2).

The property is basically composed of only two rock-types with migmatitic rock of mafic volcanic origin underlying the east half of the property while the intrusive granodioritic complex forms the western half of the property.

The migmatite in the east part of the property is primarily composed of diorite to quartz diorite, is medium to dark green on fresh surfaces, is fine to medium grained and is massive in nature with a low content of sulphide. This mafic material is cut by abundant volumetrically subordinate, veins, disseminations and small masses of granitic material thought to be contemporaneous with the granodioritic, intrusive complex to the west. As stated earlier, the mafic component of the migmatite is considered to be equivalent to basalt exposed in southern Yeo Twp. to the west but is of a higher metamorphic grade due its' close proximity to the intrusive complex and extensive mixing with the intrusive material especially close to the contact of the two types.

Alteration observed within the mafic diorite ranged from a slight coarsening of the grain size and the addition of small amounts of coarse grained quartz to very coarse grained rock composed of up to 70% blue quartz "eyes". The blue quartz "eyes" are also abundant within the intrusive complex to the west. The alteration observed tends to be local in nature and tends to occur in areas associated with heavy injection and mixing of intrusive, granitic material and with zones of shearing.

The granodioritic, intrusive complex underlying the west half of the property tends to be light colored, is coarse grained and is massive in nature. Abundant inclusions (xenoliths) of mafic volcanic rock ranging from several feet in size to 2,000 feet by 200 feet were noted during the course of mapping and ranged from relatively unaltered to completely digested.

Rock-types within the complex range from relatively acid trondhjemite (leucodiorite) composed of potassic feldspar and quartz with less than 10% mafics to more basic granodiorite and this may be a function of the included volcanic rocks with the acid type more closely representing the original nature of the

CLAIM GEOLOGY (CON'T.)

intrusive complex and the more mafic granodiorite resulting from contamination with the included volcanic component.

Prior to the 1989 work, a total of three occurrences of gold mineralization were known on the property and are designated the "Hydro, South and East" showings (Figure 2). The "Hydro and South" showings are located within the intrusive complex at about 3W-3N while the "East" showing is within the migmatite in an area of heavy granitic intrusion and mixing at about L32E-20S. As a result of the 1989 work, a new area of gold mineralization was located at about L44E-2S and has been named the "North" shear. Three new occurrences of gold mineralization were located in the immediate area of the "East" showing while no further occurrences were located in the "Hydro-South" area. A total of three distinct areas of gold mineralization are therefore known on the property at the present time.

The "Hydro" showing consists of a quartz-sulphide vein 6 inches to 4 feet wide trending at 180° az. and has been exposed over a length of 75 feet. Several old pits and shafts are located on the vein although only limited mining appears to have been undertaken. A channel sample from previous work is reported to have assayed 0.5 oz. gold per ton over 3.3 feet and a grab sample of better mineralization by the author yielded a value of 0.752 oz. gold per ton. Mineralization in the vein consists of arsenopyrite and some pyrite and the better gold values appear to be related to heavier sulphide mineralization which ranges up to about 20%.

The vein appears to pinch out to the south and passes into swamp to the north. Unfortunately, the vein lies squarely under an active Ontario Hydro power line which limits further work but the vein appears strong at its' north end where it passes into swamp and diamond drilling could extend the vein north along its strike. The vein is hosted in coarse grained granodiorite.

This showing was formerly known as the Eccles-Holmes No. 1 showing circa 1932-33.

The "South" showing consists of a shear 3-4 feet wide in granodiorite exposed for about 50 feet at a bearing of 70° and vertical dip. There is little quartz in the shear but sulphide mineralization of pyrite with lesser chalcopyrite and arsenopyrite ranges from heavy to massive. A grab sample of better mineraliz-



CLAIM GEOLOGY (CON'T.)

ation taken by the author in 1986 yielded a value of 0.054 oz. gold per ton.

The shear pinches out to the south and merges with a large volcanic xenolith to the north and may be genetically related to the xenolith since heavy folding of quartz-carbonate mineralization is noted in the xenolith where the shear merges and appears to terminate.

This showing appears to be of limited potential and no further work appears to be indicated at the present time.

The "East" showing which was previously known as the Eccles-Holmes No. 4 showing has been developed with a shaft of an estimated 50 feet from which limited mining appears to have been carried out. The showing consists of a shear about 4 feet wide with a vertical dip and a bearing of 140° az. in quartz diorite and is exposed over a length of 100 feet. Mineralization consists of quartz, arsenopyrite, pyrite and chalcopyrite with occasional clumps of scapolite.

The area around the show was extensively bulldozer stripped and sampled during 1989 (Figures 4 & 3 respectively). Three samples were taken over the showing with values of 325, 440 and 55 ppb gold (Appendix, sample # 3434, 3435 and 3436 respectively). A grab of similar material taken by the author in 1986 yielded a value of 0.252 oz. gold per ton and the erratic nature of the gold mineralization may be responsible for the low values obtained from the recent work.

Three new occurrences of gold mineralization were outlined by the 1989 work in the general area of the "East" showing and appear to be located in a fairly wide zone of mineralization. The new occurrences are as follows;

- 1 - L28E-20+50S, samp. #3415: 0.468 oz. gold per ton  
#3439: 60 ppb gold over 45"  
- shear about 4 feet wide in quartz diorite at 104°, vertical dip. Quartz veining with chlorite and several % sulphide  
- samp. #3415 of selected quartz-sulphide mineralization
- 2 - 33+50E-19S, samp. #3463: 0.312 oz. gold per ton over 24"  
- chip sample over 24" of heavily altered quartz diorite  
- mineralization appears erratic

CLAIM GEOLOGY (CON'T.)

- 3 - 36+75E-21S, samp. #3459: 1,300 ppb gold (0.041 oz.)  
 - grab of two narrow quartz veins 1-2" wide at 98 and 120° with 5% sulphide in altered quartz diorite

A zone 800 feet long by 200 feet wide at a bearing of about 104° az. within which gold mineralizations occurs appears to be indicated from recent work. This zone is composed of altered quartz diorite and is heavily intruded and mixed with granitic rock. It is also worthy of note that numerous, small and randomly oriented dikes of diabase and lamprophyre were noted in the areas of gold mineralization.

The area around the "East" showing appears to be worthy of further work and may offer good depth potential for gold mineralization.

The "North" shear is a newly discovered area of gold mineralization located at about 42E-1S and is a shear zone at least 20 feet wide at 120° az. in altered quartz diorite. The shear is composed of heavily foliated quartz-carbonate with some free quartz and up to 20% sulphide, mainly pyrite. Four grab samples of the shear representing a width of 20 feet and a strike length of 300 feet assayed 400, 550, 1,000 and 450 ppb gold for an average of about 0.02 oz. gold per ton.

This shear was noted during the mapping of the property and was subsequently bulldozer stripped over about 300 feet. Although the grade of the shear is relatively low, the shear must be considered of interest since it appears to be a strong structure and is at least 20 feet wide. The shear offers good potential for strike extension in both directions and could host higher grade gold mineralization locally.

CONCLUSIONS AND RECOMMENDATIONS

Three distinct areas of gold mineralization are currently known to exist on the property and appear to warrant further work.

The "Hydro-South" show area is considered to be of some interest specifically the strike extension of the "Hydro" showing to the north of the present exposure by means of one or more

CONCLUSIONS AND RECOMMENDATIONS (CON'T.)

shallow diamond drill holes. No further work is indicated on the "South" showing at the present time.

The "East" showing is located in a zone at least 800 feet by 200 feet in size as are 3 newly discovered occurrences of gold mineralization. Values to 0.468 oz. gold per ton in grab samples and 0.312 oz. gold per ton over 24" in chip-channel samples were obtained from the zone.

The zone consists of heavily altered quartz diorite and heavy intrusion and mixing of granitic material with numerous small and randomly oriented diabase and lamprophyre dikes.

Due to the complexity of the geology within the zone, further geological mapping of the zone at a scale of 1" to 50' is recommended. Limited diamond drilling is also recommended.

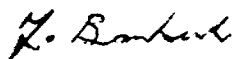
The newly discovered "North" shear was exposed over a length of 300 feet and has a width of at least 20 feet at a bearing of 120° and a vertical dip. Four grab samples of the shear over its' known length and width returned an average value of about 0.02 oz. gold per ton but is a strong structure open in both directions.

Further bulldozer stripping or diamond drilling of this shear to extend its' known strike length and determine the grade of gold mineralization is recommended.

Proposed diamond drill hole locations to test the "Hydro, East and North" zones are shown on Figure 2 in no particular priority sequence.

Proposed diamond drill locations to test 2 strong VLF-EM conductors from the 1987 survey are also shown. These conductors are considered to be too strong to be caused by organic or structural effects and are thought to be caused by sulphide mineralization.

Respectfully Submitted;



J. Bankowski, B.Sc.(Geol.)

REFERENCES

Siragusa, G.M.

1981: Precambrian Geology of Chester and Yeo Tps., and parts of Neville and Potier Tps., Sudbury District; Ontario Geological Survey Preliminary Map P. 2449, Geological Series, Scale 1:15,480 or 1 inch to 1/4 mile, Geology 1980.

Laird, H.C.

1932: Ontario Department of Mines Annual Report, 1932  
Vol. XLI, Part 3, O.D.M. Map No. 41d, Scale 1:47,520  
or 1 inch to 3/4 mile.

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, 1979 with a B.Sc. (Geology) and also 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 personally performed or supervised the work described in this report;
- 5 - that I have no interest, direct or indirect, nor do I expect to receive any such interest in the properties or securities of Silver Butte Resources Ltd.

Joseph H. Bankowski  
Geologist, B.Sc.

*J. Bankowski*

Dated: October 12, 1989.

APPENDIX



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-3C1

PHONE (604) 944-0221

To: CONSOLIDATED SILVER BUTTE MINES LTD

1201 - 900 W. HASTINGS ST.  
VANCOUVER, BC  
V6C 1E5

Project :

Comments: ATTN: EILEEN ALEXANDER ☑: JOE BANKOWSKI

\*\*Page No. 1

Tot. Pages: 2

Date: 24-AUG-89

Invoice #: I-8923350

P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8923350

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA-AA	Ag ppm Aqua R	Au FA oz/T	
3401	205 ---	< 65	< 0.2	-----	<i>OSWAY TWP.</i>
3402	205 ---	< 5	< 0.2	-----	
3403	205 ---	< 5	< 0.2	-----	
3404	205 ---	< 5	< 0.2	-----	
3405	205 ---	< 5	< 0.2	-----	
3406	205 ---	< 5	< 0.2	-----	
3407	205 ---	< 5	< 0.2	-----	
3408	205 ---	< 5	< 0.2	-----	
3409	205 ---	250	< 0.2	-----	
3410	205 ---	70	< 0.2	-----	
3411	205 ---	190	< 0.2	-----	<i>Chester Twp - refer to Fig. 2, 3 &amp; 4 for locations of samples</i>
3412	205 ---	10	< 0.2	-----	
3413	205 ---	< 5	< 0.2	-----	
3414	205 ---	< 5	< 0.2	-----	
3415	205 ---	>10000	0.3	0.468	
3416	205 ---	15	< 0.2	-----	
3417	205 ---	< 5	< 0.2	-----	
3418	205 ---	< 5	< 0.2	-----	
3419	205 ---	< 5	< 0.2	-----	
3420	205 ---	< 5	< 0.2	-----	
3421	205 ---	< 5	< 0.2	-----	
3422	205 ---	< 5	< 0.2	-----	
3423	205 ---	120	1.8	-----	
3424	205 ---	30	< 0.2	-----	
3425	205 ---	< 5	< 0.2	-----	
3426	205 ---	10	0.4	-----	
3427	205 ---	< 5	< 0.2	-----	
3428	205 ---	< 5	< 0.2	-----	
3429	205 ---	< 5	< 0.8	-----	
3430	205 ---	< 5	< 0.2	-----	
3431	205 ---	< 5	< 0.2	-----	
3432	205 ---	< 5	< 0.2	-----	
3433	205 ---	20	0.4	-----	
3434	205 ---	325	< 0.2	-----	
3435	205 ---	440	< 0.2	-----	
3436	205 ---	55	< 0.2	-----	
3437	205 ---	65	12.3	-----	
3438	205 ---	< 5	< 0.2	-----	
3439	205 ---	60	< 0.4	-----	
3440	205 ---	< 5	< 0.2	-----	

CERTIFICATION

*Jan Buchler*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To CONSOLIDATED SILVER BUTTE MINES LTD

1201 - 900 W. HASTINGS ST.  
VANCOUVER, BC  
V6C 1E5

Project :

Comments: ATTN: ELLEN ALEXANDER CC: JOE BANKOWSKI

\*\*Page No. 2  
Tot. Pages 2  
Date 24-AUG-89  
Invoice # 1-8923350  
P.O. # NONE

## CERTIFICATE OF ANALYSIS A8923350

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Ag ppm Aqua R	Au FA oz/T	
3441	205 ---	< 5	<< 0.2	-----	<i>Chester Twp;</i>
3442	205 ---	< 5	<< 0.2	-----	
3443	205 ---	< 5	<< 0.2	-----	
3444	205 ---	< 5	<< 0.2	-----	
3445	205 ---	< 5	<< 0.2	-----	
3446	205 ---	< 10	< 0.2	-----	
3447	205 ---	< 5	< 0.2	-----	
3448	205 ---	1140	0.3	-----	<i>S. Chester Prop.</i>
3449	205 ---	400	< 0.2	-----	
3450	205 ---	550	0.3	-----	<i>Chester Twp;</i>
3451	205 ---	1000	0.4	-----	
3452	205 ---	450	0.3	-----	
3453	205 ---	< 5	<< 0.2	-----	
3454	205 ---	< 5	<< 0.2	-----	
3455	205 ---	< 5	<< 0.2	-----	
3456	205 ---	< 5	< 0.2	-----	
3457	205 ---	< 5	<< 0.2	-----	
3458	205 ---	< 5	<< 0.2	-----	
3459	205 ---	1300	0.2	-----	
3460	205 ---	< 5	< 0.2	-----	
3461	205 ---	30	0.4	-----	
3462	205 ---	20	0.5	-----	
3463	205 ---	>10000	2.4	0.312	
3464	205 ---	360	2.8	-----	
3465	205 ---	145	2.4	-----	

CERTIFICATION: *Hart Buchler*







Natural Resources

(Geophysical, Geological, Geochemical and Expenditures)

DOCUM W 85



41P125W84S6 2.12807 CHESTER

900

The No **5906 175**

Type of Survey(s) <b>GEOLOGICAL 2.12807</b>	Township or Area <b>CHESTER TWP</b>
Claim Holder(s) <b>SILVER BUTTE RESOURCES LTD.</b>	Proprietor's Expiry Date <b>7-1977</b>
Address <b>#1201-900 WEST HASTINGS ST., VANCOUVER, B.C., V6C 1E5</b>	
Survey Company <b>J. BANKOWSKI</b>	Date of Survey (from & to) Day   Mo.   Yr.   Day   Mo.   Yr. <b>01 6 89   20 6 89</b>
Name and Address of Author (of Geo-Technical report) <b>J. BANKOWSKI, 88 EGEDALE DR. N.W., CALGARY, ALTA., T3A 2R4</b>	

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	<b>20</b>
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
P	809389				
	809390				
	809391				
	809392				
	809399				
	809400				
	809401				
	809402				
	809420				
	809421				
	809422				
	809439				
	809440				
	809441				
	809442				
	819907				
	826592				
	826593				
	826594				
	826595				

RECEIVED  
21 1989  
LANDS SECTION

RECORDED  
AUG. 18 1989

Expenditures (Technical and other) (Mining)

Per Claim (Days)

**AUG 18 1989**

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.

Date **Aug. 16/89** Recorded Holder or Agent (Signature) **J. Bankowski**

Total number of mining claims covered by this report of work. **20**

For Office Use Only

Total Days Cr. Recorded **400** Date Recorded **AUG 18/89** Mining Recorder **[Signature]**

Date Approved as Recorded \_\_\_\_\_ Branch Director \_\_\_\_\_

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 EGEDALE DR. N.W., CALGARY, ALBERTA**

**T3A 2R4, Tel. # (403) 239-7273** Date Certified **Aug. 16/89** Certified by (Signature) **J. Bankowski**

1362 (8/79)



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

December 11, 1989

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

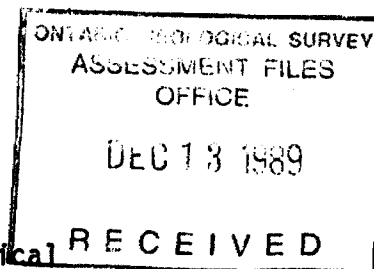
Dear Sir:

Re: Notice of Intent dated November 6, 1989 for Geological  
Survey submitted on Mining Claims P 809389 et al in  
Chester Township.

Mining Lands Section  
880 Bay Street, 3rd Floor  
Toronto, Ontario  
M5S 1Z8

Telephone: (416) 965-4888

Your File: W8906-375  
Our File: 2.12807



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  
Provincial Manager, Mining Lands  
Mines & Minerals Division  
*R.M.*  
RM:eb  
Enclosure

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

Resident Geologist  
Timmins, Ontario

Silver Butte Resources Ltd.  
1201-900 West Hastings Street  
Vancouver, B.C.  
V6C 1G5

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



Recorded Holder  
**SILVER BUTTE RESOURCES LTD.**

Township or Area  
**CHESTER TOWNSHIP.**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>20</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	P 809389 to 392 incl. 809399 809401-402 809420 to 422 incl. 809439 to 442 incl. 819907 826592-593

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

10 days Geological P 809400, 826594-595

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; Geological - 40; Geochemical - 40; Section 77(19) - 60.



RE YOUR File W8906-375 RECORDED AUG. 18/89 (TIMMINS)

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) GEOLOGICAL
Township or Area CHESTER TWP.
Claim Holder(s) SILVER BUTTE RESOURCES LTD. #1201-900 W. HASTINGS ST. VAN, B.C.
Survey Company J. BANKOWSKI
Author of Report J. BANKOWSKI
Address of Author 88 EDGE DALE DR. N.W. CALGARY, ALTA
Covering Dates of Survey JUNE/89 (linecutting to office)
Total Miles of Line Cut -

MINING CLAIMS TRAVERSED List numerically

- P - 809389 (prefix) (number)
P - 809390
P - 809391
P - 809392
P - 809399
P - 809400
P - 809401
P - 809402
P - 809420
P - 809421
P - 809422
P - 809439
P - 809440
P - 809441
P - 809442
P - 819907
P - 826592
P - 826593
P - 826594
P - 826595

If space insufficient, attach list

Table with 2 columns: SPECIAL PROVISIONS CREDITS REQUESTED, DAYS per claim. Includes rows for Geophysical (Electromagnetic, Magnetometer, Radiometric, Other) and Geological (20), Geochemical.

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_ (enter days per claim)

DATE: Oct. 12/89 SIGNATURE: J. Bankowski Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications 2.7007

Table with 4 columns: File No., Type, Date, Claim Holder. Includes header 'Previous Surveys'.

TOTAL CLAIMS 20

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 \_\_\_\_\_  
Coil configuration \_\_\_\_\_  
Coil separation \_\_\_\_\_  
Accuracy \_\_\_\_\_  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency \_\_\_\_\_  
(specify V.L.F. station)  
Parameters measured \_\_\_\_\_

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 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Total Number of Samples \_\_\_\_\_

Type of Sample \_\_\_\_\_  
(Nature of Material)

Average Sample Weight \_\_\_\_\_

Method of Collection \_\_\_\_\_  
\_\_\_\_\_

Soil Horizon Sampled \_\_\_\_\_

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.      
   p. p. b.   

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

W.C.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

+S. - MINING AND SURFACE RIGHTS

Date	Order No.	Date	Disposition	File
		3/7/80		17-100

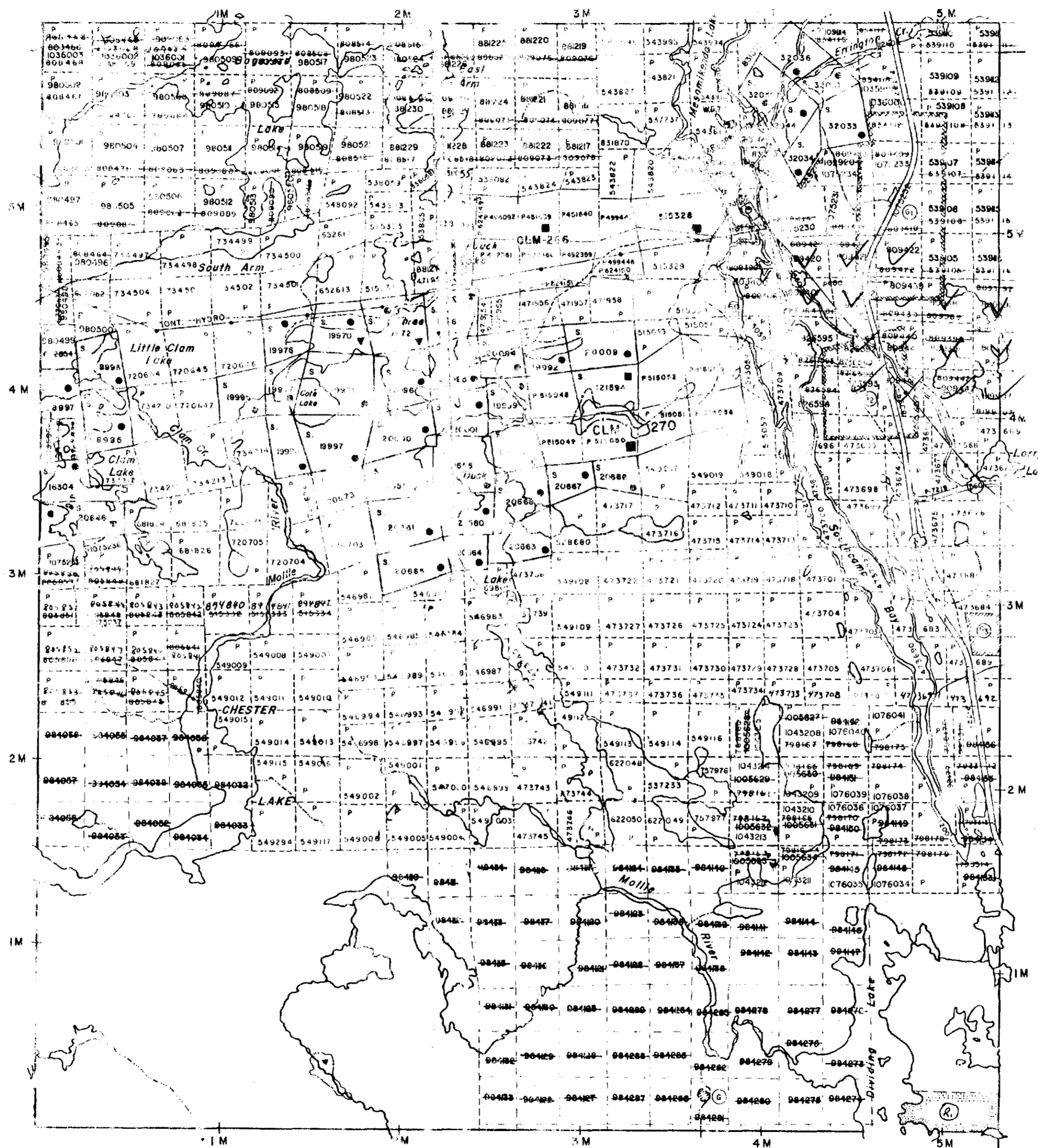
SAND AND GRAVEL

- ① SAND AND GRAVEL
- ② SAND AND GRAVEL
- ③ SAND AND GRAVEL PIT No. 1649
- ④ SAND AND GRAVEL PIT No. 1385
- ⑤ SAND AND GRAVEL DISPUTE FILE NO. D/4789

NOTES

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

MILLIE TP.



INVERGARRY TP.

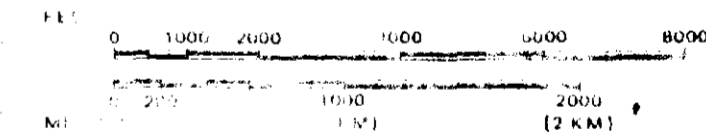
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- SURVEYED LINES: TOWNSHIPS, BASE LINES, ETC.
- LOT, 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
- SUB-DIVISION OR COMPOSITE PLAN RESERVATIONS
- ORIGINAL SHORE LINE
- MARSH OR MUSKEG
- MINES
- TRAVELERS MONUMENT

DISPOSITION

- TYPE OF DOCUMENT
- PATENT, SURFACE & MINING RIGHTS
- SURFACE RIGHTS ONLY
- MINING RIGHTS ONLY
- SURFACE & MINING RIGHTS
- SURFACE RIGHTS ONLY
- MINING RIGHTS ONLY
- EFFECTIVE OF OCCUPATION
- ORIGINAL GRANT
- RE-GRANT
- SAND & GRAVEL

SCALE 1 INCH = 70 CHAINS



TOWNSHIP

CHESTER

M.M.R. ADMINISTRATIVE DISTRICT

GOGAMA

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUBSURY



Ministry of Natural Resources  
 Land Management Branch

Date MARCH 1980 Number

6-3275



41P125W456 2, 12807 CHESTER



