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Supplementary Report

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on

GLEN AUDEN RESOURCES LIMITED Swayze Area Properties

for

CAN-MAC EXPLORATION LTD.



Addendum

Supplementary Report

on

GLEN AUDEN RESOURCES LIMITED Swayze Area Properties

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CAN-MAC EXPLORATION LTD.

INTRODUCTION AND SUMMARY

This report has been prepared at the request of CAN-MAC EXPLORATION LTD. in compliance with requirements of the Vancouver Stock Exchange. The report endorses and supports previous reports submitted on three properties identified as the GLEN AUDEN RESOURCES LIMITED, Swayze Area Properties particularly known as the Saxton, Topboot and Denyes properties.

Modifications have been made both to the recommendations made in previous reports and previous budgets submitted.

These modifications have been deemed to provide for more efficient and cost effective exploration. In particular, winter conditions have enhanced road building and stripping operations on the properties. They can consequently now be accessed by bush road rather than much costlier air access.

The Saxton property did not yield sufficiently encouraging results to warrant plans for further geophysics or drilling.

Ongoing exploration is proposed for the Topboot property because of favourable exposures and significant sample results.

Ground exploration work on the Denyes property may be delayed until road access is provided by timber operators who will be logging the area this summer.

REFERENCES

- Report on the Property of GLEN AUDEN RESOURCES LIMITED, Swayze and Denyes Townships, Porcupine Mining Division, District of Cochrane by R. K. Abernathy, B. A. Sc. February, 1987.
- Report on the Property of GLEN AUDEN RESOURCES LIMITED, Denyes Township, Porcupine Mining Division, District of Cochrane by K. A. Abernathy, B. A. Sc, March 1987.

Addendum - Updated Geology, Sylvanite Property, Denyes Twp., by Donald B. Garner, B. Sc., May 1987.

Appendix B

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(note only Addendum and Appendix B on file in this office)

- 3) Report on Electromagnetic and Magnetic Surveys on the Saxton Lake Property of GLEN AUDEN RESOURCES LIMITED, Swayze Township, by Greg Hodges, B. Sc., 28 July 1987.
- 4) Report on the Magnetic Survey conducted on the Topboot Lake Property of GLEN AUDEN RESOURCES LIMITED, Swayze and Denyes Townships, District of Sudbury by Greg Hodges, B. Sc. 6 Aug. 1987.
- 5) Summary Report on the Geology Survey conducted on the Topboot Lake Property of GLEN AUDEN RESOURCES LIMITED, Swayze and Denyes Townships, District of Sudbury by R. K. Abernathy, B. A. Sc., 13 August 1987.
- 6) Brief Report on the Lithogeochemical Survey, Swayze and Denyes Townships, District of Cochrane for GLEN AUDEN RESOURCES LIMITED by R. K. Abernathy, B. A. Sc., September 1987.

PROPERTIES

GLEN AUDEN RESOURCES LIMITED Swayze Area Properties.

- 1) Saxton Property
- 2) Topboot Property
- 3) Denyes Property

LOCATIONS

- Saxton Property 32 claims Swayze township
- Topboot Property 39 claims Swayze and Denyes townships
- Denyes Property original 6 claims enlarged to 70 +/claims
 Denyes township.

ACCESS

Since the reports listed in the references were completed, the Saxton and Topboot properties can be accessed by bush road. The Denyes property will be accessible by bush road later in the summer when forestry roads extend into Denyes township.

Secondary road access is provided from Foleyet over the all weather Foleyet Timber road or from Sultan over the all weather Dore Road.

The bush road junction is about 64 km south on the Foleyet Timber road from highway 101.

EXPLORATION WORK COMPLETED

1) Saxton Property

Line cutting, geophysical and geological and some sampling completed by GLEN AUDEN.

Road building, stripping, rock trenching, preliminary trench mapping and sampling being carried out by CAN-MAC.

2) Topboot Property

Line cutting, geophysical and geological mapping, geochemical and rock sampling carried out by GLEN AUDEN.

Preliminary diamond drilling by CAN-MAC during the fall of 1987.

Road building, stripping, rock trenching, preliminary trench mapping and sampling being carried out by CAN-MAC.

3) Denyes Property

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Limited line cutting, local mapping and sampling carried out by GLEN AUDEN.

CAN-MAC propose to do line cutting, geophysical and geological surveying and ultimately stripping and trenching. This work will be primarily focused on the immediate showing areas but will ultimately be extended to cover projections of favourable structures within staked claims which are now part of a larger property package.

A modified program may involve airborne surveying prior to ground work pending completion of a forestry road to the property.

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BUDGETS

Proposed budgets for each property have been abstracted from budget documents filed with financing (Flow Through) authorities.

Though the actual exploration work being carried out or currently proposed may differ from categories listed, monies spent are projected to remain within total funds allocated in the budgets.

SAXTON PROPERTY

<u>Phase 1</u>

Personnel - Mob/Demob	\$800.00
- Field Costs	6,700.00
Support Costs - accommodation	4,150.00
Transporation - ground and air	11,700.00
Contract Services	
I.P. Surveying	30,000.00
Equipment Rentals	
Compressor, plugger and backhoe	9,000.00
100m @ \$ 80/m	8,000.00
Analyses	5,000.00

Reports:	geophysical/geological	1,750.00
Explosive	S	5,000.00
Contingen	cies	3,400.00
		<u>\$85,000.00</u>

TOPBOOT PROPERTY

Phase II

Personnel	- Mod / Demob	\$1,600.00
	- Field Costs	11,000.00
Support Costs	 Accommodation Transportation Communication 	10,550.00
Contract Serv	ices	
	- I.P. Surveying - Line cutting - Bulldozing Backhoe	7,000.00
	- Compressor - Explosives, sampling	47,000.00
Analyses		
Reports: Ge	ophysical / geological	1,875.00
Other: co	ordinator	7,475.00
Contingency		7,475.00
	TOTAL	\$87,500.00

ENYES PROPERTY

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Personnel	– Mob/Demob – Field Costs	\$800.00 8,500.00
Support Costs	- Accommodation	4,750.00
Transportion	- ground and air	11,700.00
Contract Serv Line Cut I.P. Sur	ices ting – 30 miles veying	39,750.00
Equipment Ren (compressors,	tals generator, backhoe)	23,000.00
Diamond Drill	ing	
350 m @ \$80.0	O/m	\$28,000.00
Analyses		6,000.00
Reports: geo	physical / geological	2,000.00
Explosives		6,000.00
Contingencies		6,250.00
		\$125,000.00

SUMMARY AND CONCLUSIONS

Data listed in the references has been reviewed with the authors on several occasions.

Both the Saxton and Topboot properties have been examined on the ground prior to exploration work programs by CAN-MAC and again during the course of field exploration work.

The Denyes property was not physically examined though several helicopter observations were made in company with the geologists who performed work on the ground. Reports listed in the references are competently prepared and are accurate assessments of the potential of the properties to the extent of the information and data available at the time they were prepared.

Recommendations made in the reports have since been modified to conform with what management and geological consultants engaged by management conclude would be a more efficient and cost effective exploration approach.

It has been consequently decided to temporarily forego additional geophysics and drilling in favour of surface stripping, rock trenching, mapping and sampling. To date this approach has provided physical evidence to explain magnetic and electromagnetic anomalies.

On the Saxton property magnetic anomalies can be explained by ultramafic rock units (Komatiites) and the elctromagnetic anomalies are explained by graphitic schists.

Alteration zones exposed on the Saxton property are geologically intriquing but have so far failed to yield significant anomalous gold values.

It is unlikely that additional geolphysics or drilling will be required on the Saxton Property.

Current exploration work completed on the Topboot property indicates that broad zones of alteration are associated with previously known mineralized vein and stringer zone occurrences.

Sampling has yielded significant values in gold that are in the economic range.

Current geological interpretation based on fresh surface exposures suggest that previous preliminary drilling may not have adequately tested the gold bearing structures.

Exploration work on the Topboot property should be continued up to and including the drilling stage.

Surface stripping, rock trenching, mapping and sampling on the Denyes Property should proceed when ground conditions and funding permit.

Respectfully submitted, Tagliamonte, Frank P.

18 February 1988.



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1, Frank P. Tagliamonte, P. Eng., of 29 Beaver Crescent, in the City of North Bay, Province of Ontario, certify as follows concerning my Supplementary Report on GLEN AUDEN RESOURCES LIMITED, Swayze Area Properties for CAN-MAC EXPLORATION LTD. Dated 18 February 1988.

- 1) I am a member in good standing of:
 - a) The Association of Professional Engineers of Ontario.
 - b) Ordre des Ingenieurs du Quebec.
 - c) Association of Geologists of Quebec.
 - d) Geological Association of Canada
- 2) I am a graduate of the South Dakota School of Mines and Technology, Rapid City, South Dakota, U.S.A. with a BSc. degree in Geological Engineering obtained in 1975.
- 3) I have been practicing my profession in Canada and occasionally in the United States for the past 31 years.
- 4) I have no direct or indirect interest in the properties, leases or securities of GLEN AUDEN RESOURCES LIMITED or Can-Mac Exploration Ltd. nor do I expect to receive any except as provided for in option agreements with CAN-MAC covering mining claims in Bostom & Bisley townships, Larder Lake Mining Division, Ontario.
- 5) The attached report is a product of:
 - a) Data listed in the references.
 - b) Reviews and consultations covering reports listed in the reference.
 - c) Property examinations and supervision of field exploration on the Saxton and Topboot properties.
 - d) General knowledge of several properties in the area which have been visited and examin ed.

HISTOR - ENCLOSE

AD MINING ŵ P. Tagliacaste 13285 Dated this 18th day of Febuary 1988 E BEC QUEBEC North Bay , Ontario in 木. P. MAGLIAMOHTE D ۲Ľ. . Hiller Frank P. Tagliamonte , P.Eng. POLINCE OF ON GEOLOGICAL ENGINEERING SERVICES



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REPORT ON STRIPPING AND TRENCHING ON THE SAXTON LAKE, TOPBOOT LAKE AND SYLVANITE PROJECTS, SWAYZE AND DENYES TOWNSHIPS, PORCUPINE MINING DISTRICT, ONTARIO, NOVEMBER 1987 THROUGH MARCH 1988.

FOR: CAN-MAC EXPLORATION LTD. BY: ROBIN E. GOAD, M.Sc., F.G.A.C. GEOLOGICAL ENGINEERING SERVICES 29 BEAVER CR., NORTH BAY, ONTARIO

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INTRODUCTION:

In November, 1987 a stripping and trenching program was initiated by Can-Mac Exploration Ltd. on their Saxton Lake and Topboot lake properties, Swayze and Denyes Townships, Ontario. An additional property, referred to as the Sylvanite Prospect, was not stripped because of a reduction in budjet and the loss of cool temperatures required to maintain winter road access. The Swayze area has again become of significant interest to the exploration community because it is underlain by the Swayze-Deloro metavolcanic-metasedimentary belt which is part of the Abitibi Greenstone Belt. The latter greenstone belt hosts several famous mining camps and "world class" mineral deposits. The Swayze area also contains several small past producing mines, including the Jerome, Orofino, Rundle and Kenty Mines.

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The Saxton Lake property was investigated because of its favourable regional and local geological setting for gold mineralization. The property was also of interest because of a 2.5 Km long, semi-continuous max-min conductor, several areas with elevated magnetic anomalies and anomalous gold concentrations up to 3130 ppb.

The Topboot Lake property was also of interest because of its favourable regional and local geological setting. Two auriferous zones had previously been investigated on the property and had yielded assays up to 1.336 ozs. Au/ton (41.6 grams Au/tonne) (Abernathy, Feb., 1987). An induced polarization survey indicated several additional bedrock anomalies which were thought to be favourable localities for follow-up examination.

The Sylvanite Prospect, although not investigated as part of this program, is hosted by similar geology with quartz-carbonate veins apparently previously yielding assays up to 2.41 ozs. Au/ton (74.96 grams Au/tonne) (Abernathy, Mar., 1987).

PROPERTIES, LOCATION AND ACCESS:

The claim groups discussed in this report are referred to as the "Saxton Lake", "Topboot Lake" and "Sylvanite Prospect" properties. They are held by Glen Auden Resources Ltd., subject to an option agreement with Can-Mac Exploration Ltd. Can-Mac can earn a 50 % equity interest in the claims by making expenditures totalling 2,000,000 dollars over a 4 year period.

The Saxton Lake, Topboot Lake and Sylvanite properties are within the "Swayze Gold District" of the Porcupine Mining District, Ontario (Figure 1). The Swayze Gold District is an approximately 74 Km long by 26 Km wide, east-trending area underlain by the Swayze-Deloro metavolcanic-metasedimentary belt. The district is between the communities of Chapleau to the west, Timmins to the east and Foleyet on its north boundary.



The Saxton Lake property consists of 32 unpatented, contiguous claims, located in Swayze Township (Figure 2). They are located at approximatly 82 degrees, 40 minutes longitude and 47 degrees, 50 minutes latitude. The claims are registered under the numbers 932054-069 and 932077-092, inclusive. According to records maintained by Robert S. Middleton Exploration Services Inc., as of Dec. 1987, the claims were in good standing until the dates indicated in table 1.

The Saxton Lake claims are accessed by a winter road transecting the long axis of the claims. The winter road is an extension of a secondary timber haulage road, maintained by the Foleyet Timber Co. Ltd. The secondary road extends west from the main haulage road, approximately 60 Km south of Hwy. 101. The main haulage road extends south from Highway 101, approximately 1 Km west of the Mooseland Resort, between Timmins and Foleyet. The winter road will likely be upgraded this summer by the Foleyet Timber Co. Ltd., in order to access timber on the Saxton Lake claims.

The Topboot Lake property consists of 42 unpatented, contiguous claims, straddling the boundary between Swayze and Denyes Townships (Figure 3). They are located at approximately 82 degrees, 43.75 minutes longitude and 47 degrees, 49 minutes latitude. The claims are registered under the numbers 866466-475, 930726 & 727, 931809-812, 931819-821, 1027201-203, 932196-200, and 932501-515, inclusive. According to records maintained by Robert S. Middleton Exploration Services Inc., as of Dec., 1987, the claims were in good standing until the dates indicated in table 1.

The Topboot Lake claims are accessed by an extension of the winter road constructed on the Saxton Lake claims. During the spring, summer and autumn the claims can be accessed along this road using all terrain vehicles (ATC's). The claims can also be accessed by float equipped fixed wing aircraft or rotary aircraft, which can be chartered from the Ivanhoe Lake airbase, or in Ramsey or Timmins.

The Sylvanite Prospect consists of 76 unpatented, contiguous claims, in Denyes Township (Figure 4). They are located at approximately 82 degrees, 49.75 minutes longitude and 47 degrees, 48.8 minutes latitude. The claims are numbered 931813-818 and 1026241-310, inclusive. According to records maintained by Robert S. Middleton Exploration Services Inc., as of Dec., 1987, the claims were in good standing until the dates indicated in table 1.

The Sylvanite claims are accessed by float or ski equipped fixed wing aircraft, or by rotary aircraft, which can be chartered from the Ivanhoe Lake airbase or from Timmins or Ramsey.



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TABLE 1

Record#	CLAIM_NO	DUEDATE	HOLDI	ER		PROPERT	ſY
103	932054	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
104	932055	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
105	932056	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
106	932057	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
107	932058	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
108	932059	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
109	932060	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
110	932061	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
111	932062	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
112	932063	06/30/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
113	932064	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
114	932065	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
115	932066	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
116	932067	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
117	932068	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
118	932069	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
119	932077	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
120	932078	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
121	932079	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
122	932080	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
123	932081	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
124	932082	06/30/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
125	932083	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
126	932084	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
127	932085	06/30/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
128	932086	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
129	932087	06/30/88	GLÉN	AUDEN	RESOURCES	SAXTON	LAKE
130	932088	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
131	932089	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
132	932090	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
133	932091	06/12/88	GLEN	AUDEN	RESOURCES	SAXTON	LAKE
134	932092	06/12/89	GLEN	AUDEN	RESOURCES	SAXTON	LAKE



FIGURE 3 TOPBOOT LAKE CLAIM GROUP

TABLE 1 CONTINUED

Record#	CLAIM_NO	DUEDATE	HOLDE	ER		PROPERTY	1	
81	866466	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
82	866467	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
83	866468	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
84	866469	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
85	866470	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
. 86	866471	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
87	866472	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
88	866473	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
89	866474	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
90	866475	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
91	930726	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
92	930727	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
93	931809	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
94	931810	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
95	931811	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
96	931812	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
97	931819	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
98	931820	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
99	931821	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
100	1027201	11/13/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
101	1027202	11/13/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
102	1027203	11/13/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
135	932196	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
136	932197	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
137	932198	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
138	932199	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
139	932200	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
140	932501	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
141	932502	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
142	932503	06/12/90	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
143	932504	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
144	932505	06/12/90	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
145	932506	06/12/89	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
146	932507	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
147	932508	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
148	932509	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
149	932510	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
150	932511	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
151	932512	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
152	932513	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
153	932514	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP
154	932515	06/12/88	GLEN	AUDEN	RESOURCES	TOPBOOT	LAKE	GROUP

- 1997年1月1日、1997年1月1日、1997年1月1日、1997年1月1日、1997年1月1日、1997年1日、1997年1日、1997年1日、1997年1日、1997年1日、1997年1日、1

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FIGURE 4 SYLVANITE PROSPECT CLAIM GROUP



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SWAYZE AND DENYES TOWNSHIP EXPLORATION HISTORY AND PREVIOUS WORK:

The earliest known work in Swayze and Denyes Townships, was reconnaissance mapping by the Ontario Bureau of Mines along the Woman, Groundhog and Ivanhoe rivers (Parks, 1900).

The Swayze area saw little activity until 1931 when J.G. and J.L. Kenty made a gold discovery in Swayze Township near Brett Lake. In 1932 the Ontario Department of Mines conducted further reconnaissance mapping in the township and in 1933 development work commenced at the "Kenty Mine" (Furse, 1932; Donavon, 1965, 1968). Two vertical shafts were sunk to a depth of 500 feet and 5000 feet of lateral development work was done at levels 125 feet apart (Donavon, 1965). In 1934 work was suspended on the property because gold values were too erratic (ibid).

In 1962 & 63 Flint Rock Mines Ltd. drilled 34 holes in "highly sheared and fractured basic volcanic rocks", on the northeast shore of Cree Lake (ibid).

The only other significant work conducted in the area, on properties other than the Can-Mac/Glen Auden holdings, was mapping by the Ontario Department of Mines in Swayze and Dore townships, and the Halcrow-Ridout Lakes Area (Donavon, 1965, 1968). The area was also investigated as part of a regionally extensive mapping program of the "Chapleau Area" by Thurston et al (1977).

Saxton Lake

Little work was recorded on the current Saxton Lake claims before their acquisition by Glen Auden Resources Ltd. However, the writer observed several trenches on the property of which there are no records. The claims were covered by an Ontario Geological Survey sponsered airborne E.M. and aeromagnetic survey, flown by Questor Surveys Ltd. The survey indicated an east-trending conductor centered near Saxton Lake (Abernathy, Nov.a 1987; O.G.S., 1982).

Most of the current Saxton Lake property was part of a block of 581 claims staked by Canico Ltd. and Golden Hope Resources Ltd., in Swayze, Denyes, and Dore townships (Canico, 1984). Canico carried out airborne E.M., magnetic and radiometric surveys in 1982 (Krause 1982). The airborne surveys were followed-up by linecutting, ground magnetometer and geological mapping over the entire property. Selective I.P. and diamond drilling were carried out in areas not part of the current Saxton Lake claims. Mapping on the Canico/Golden Hope claims by Bell (1983), identified a "cherty interflow sediment" on the north shore of Freymond Lake which returned an assay of 1.65 ppm Au.

The current Saxton Lake claims were staked by Robert Abernathy in 1986, who later optioned them to Glen Auden Resources Ltd.

Glen Auden cut a grid over the entire property, carried out magnetometer and max-min geophysical surveys, and geological mapping and sampling (Hodges, 1987; Abernathy, Nov.a 1987). Hodges (1987) noted a "moderately strong", east-trending max-min conductor centered near Saxton Lake, and a strong magnetic anomaly 200 M south of the conductor. Abernathy (Nov.a 1987) tentatively identified the magnetic anomaly as an ultramafic intrusion and identified a deformation zone north of Freymond (1983) had previously obtained anomalous gold Lake where Bell concentrations. Abernathy (Nov.a 1987) also took several samples which contained anomalous qold and other trace element concentrations. One sample was of particular interest as it contained 3130 ppb Au and was collected near the conductor.

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Topboot Lake

Topboot Lake claims have been periodically The current explored since the discovery of the Kenty Mine in 1931. In 1932 J.E. Derraugh made a gold discovery on the property and staked 8 claims. The discovery was hosted in guartz-carbonate veins with pyrite, chalcopyrite and traces of galena, which he traced in trenches over a strike length of 220 feet. Rickaby (1934) examined the discovery for the Ontario Department of Mines and described the veins as in lenzes up to 6 feet wide adjacent to a lamprphyre dyke. He obtained gold grades up to 2.22 ozs. Au/ton over 8 inches and a 56 inch section which averaged 0.24 ozs. Au/ton. In 1932-33 the property was acquired by Kirkland Hudson Bay Gold Mines Ltd., who drilled a series of short holes totalling 2,000 feet. The results apparently did not warrent further work and the option was dropped.

Prospecting, trenching and blasting were periodically carried out on the current Topboot Lake property over 10 years (Abernathy, Feb. 1987). Several airborne E.M. and aeromagnetic surveys were also flown in the area including 2 sponsored by the Ontario and Canadian governments (O.D.M.-G.S.C. 1963a/b).

In 1975 and 76 George Mangotich of Englehart, Ontario staked 21 claims around the Derraugh occurrence. During the currency of his claims V.L.F., E.M. and magnetometer geophysical surveys were conducted and geological mapping (George, 1977). In addition, a 170 foot hole was drilled north of Topboot Lake. The hole apparently intersected rhyolite; chert; graphite with 1/4 to 1 inch wide guartz-carbonate veinlets; diabase; and guartzsericite-feldspar schist with guartz-carbonate-tourmaline-pyrite stringers (ibid). No assays were given.

In 1983 Norminex Ltd. staked 3 claims over the Derraugh occurrence and conducted a magnetometer survey and geological mapping (Winter, 1983; Davies, 1984). Re-sampling of the Derraugh vein yielded assays up to 1.65 ozs. Au/ton over 24 inches (ibid).

Parts of the current Topboot Lake claim group were among the

previously mentioned 581 group of claims staked in 1983 by Canico Ltd. and Golden Hope Resources.

The current Topboot Lake group of claims was staked in 1986 by Robert Abernathy, who later optioned them to Glen Auden Resources Ltd. Glen Auden carried out geological mapping and sampling, lithogeochemistry, I.P. and magnetometer surveys (Abernathy, Feb., Aug., Sept. 1987; Abernathy and Hodges, Dec. 1987). Resampling of the Derraugh and # 2 veins initially yielded assays up to 1.369 ozs. Au/ton (42.58 grams Au/tonne) and 0.189 ozs. Au/ton (6.5 grams Au/tonne), respectively (Abernathy, Feb. 1987). The later lithogeochemistry survey achieved grades in the Derraugh and # 2 vein up to > 30,000 ppb Au and 19,400 ppb Au, respectively (Abernathy, Aug. and Sept. 1987). Additional areas of anomalous gold concentrations were also identified in the survey, including an old trench at the southeast corner of the property (2,450 ppb Au), and proximal to the dominant northeast trending swamps or linears (up to 2,100 ppb Au) (ibid). Abernathy (Aug. 1987) interpreted these linears as faults which were locally intruded by diabase. Results achieved by Abernathy also indicate anomalous concentrations of Ag, W, Ba and locally Cu, Pb, As, Zn and Sb in the veins, and in rocks marginal to the linears.

The magnetometer survey conducted by Hodges (1987), identified several distinct magnetic lows corresponding to the aforementioned linears and were attributed to dykes. The survey also identified several positive magnetic anomalies.

The I.P. survey conducted for Glen Auden Resources Ltd., identified numerous discontinuous and continuous conductors. Abernathy and Hodges (Dec. 1987) mention 2 particularly strong anomalies at the north ends of grid lines 1+00E and 1+00W which were interpreted as graphite. Several weak, narrow anomalies were also noted adjacent to a northeast-trending linear near the known gold occurrences. Other I.P. anomalies are centered at 0+50 M S on line 4+00W and over the Derraugh occurrence. These anomalies are attributed to bedrock sulphides.

The Topboot Lake claims were optioned to Can-Mac Exploration Ltd. in 1987. Can-Mac conducted a 1,228 foot diamond drill program in October and November, supervised by Robert S Middleton Exploration Services Inc. (Abernathy, Nov.b 1987). Four holes were drilled into linears near the # 2 vein and a fifth hole could not be anchored and had to be abandoned. The holes encountered zones of intense carbonate, sericite, chlorite and pyrite alteration and returned assays up to 0.08 ozs. Au/ton (2.7 grams Au/tonne) (ibid).

Sylvanite Prospect

The Sylvanite Prospect has also been periodically explored since the discovery of the Kenty Mine in 1931. In 1932 & 33

Sylvanite Gold Mines staked 18 claims which are now part of the current Can-Mac/Glen Auden property. Trenching on what is now claim 931816, encountered a 200 foot long zone of porphyry dykes and quartz-carbonate-pyrite veins in bedded tuffs (Rickaby, 1934). The claims were optioned in 1934 by Erie Canadian Mines Ltd., who carried out geological mapping and channel sampled the trenches (Harris, Flanagan and Green 1932-34). High grade assays were achieved up to 2.41 ozs. Au/ton over an 8 foot width (high assays were cut to 5 ozs. Au/ton). Widths were attained up to 10.4 feet averaging 1.86 ozs Au/ton. Abernathy (Mar. 1987) states that 5 short diamond drill holes were recommended by Erie, although there is no evidence that the holes were drilled.

In 1940 Sylvanite Gold Mines Ltd. confirmed the earlier Erie results and extended the trenches to 300 feet (ibid).

In 1972 Falconbridge Nickel Mines Ltd. staked 6 claims over the Sylvanite Prospect, conducted geological mapping and resampled the old trenches (Kelly, 1973). Thirtyfive chip samples taken from the trenches failed to confirm the earlier high grade results, although an 8.5 foot section averaged 0.20 ozs. Au/ton. Consequently, the claims were allowed to let lapse.

In 1981 Manville Canada Inc. re-staked the Sylvanite prospect, cut a grid, carried out radiometric and geological surveys, and re-sampled the old trenches (Evelegh, 1984). Assays were reportedly acheived up to 0.20 ozs. Au/ton over 5 feet.

Parts of the current Can-Mac/Glen Auden claims were part of the Canico/Golden Hope block of 581 claims in Swayze, Denyes and Dore Townships (Canico, 1984). Parts were also covered by several government sponsored airborne geophysical surveys (O.D.M.-G.S.C. 1963a/b)

In 1986 6 claims were staked over the Sylvanite Prospect by Robert Abernathy, who subsequently optioned them to Glen Auden Resources Ltd. Glen Auden cut a grid, conducted geological mapping and magnetometer surveys, and re-sampled the old trenches (Abernathy, Mar. 1987). Grab samples of rocks collected from the trenches yielded assays up to 0.321 ozs. Au/ton and the magnetometer survey was useful in determining the contacts between lithologies. Since the completion of these surveys an additional 70 claims were staked and the entire block of claims optioned to Can-Mac Exploration Ltd.

REGIONAL GEOLOGY:

The Saxton Lake, Topboot Lake and Sylvanite Prospect are within the Swayze-Deloro metavolcanic-metasedimentary belt, which is part of the Abitibi Subprovince of the Superior Structural Province of the Canadian Shield (Thurston et al, 1977). The Swayze-Deloro belt is an east-trending belt of Archean -7-

metavolcanic and metasedimentary rocks, 74 Km long by 26 Km wide (ibid). The belt is bound by granitic terrain on all sides except to the northwest where it is truncated by the Kapuskasing Structural Zone. The margins of the belt are dominated by mafic to intermediate meta-volcanics which are succeded by metasediments and local mafic to ultramafic intrusions towards the centre (ibid). Several centres of Early Precambrian felsic metavolcanics, and related continental-rise volcaniclastic metasediments and sub-volcanic porphyritic intrusions are scattered along the length of the complex (ibid).

The south part of the Swayze-Deloro Belt is bordered by granitoid intrusions with quartz monzonite or granodiorite compositions (ibid). Conversely, the north part of the belt is bordered by metamorphosed intrusions with trondhjemite or granodiorite compositions.

The Kapuskasing Structural Zone is comprised of high grade (granulite and almandine-amphibolite facies) metasediments and mafic intrusions, which are separated from the Swayze-Deloro belt by a fault zone of ubiquitous mylonitization and recrystalization (ibid).

Diabase is apparently not common in the Swayze-Deloro belt but locally occurs with a northeasterly trend (Donavon, 1965).

Lamprophyre dykes are the youngest rocks in the area and have been postulated as young as Mesozoic in age (Thurston et al, 1977).

Metamorphism in the Swayze-Deloro belt is predominantly greenschist facies but increases to amphibolite facies near granitoid intrusions and migmatite complexes (ibid).

Rocks of the Swayze-Deloro belt generally have east-trending foliations at low angles to bedding and flow banding (ibid). Foliations are typically defined by the alignment of platey or elongate minerals. Schistosity is well developed in areas of intense metamorphim or shearing. A secondary lineation is commonly well developed and plunges steeply in the eastern part of the Swayze-Deloro belt but is more shallow (20 to 60 degrees) further west in the Halcrow-Ridout Lakes area (ibid). Jointing is common throughout the area. An east-trending shear zone is noted in Grenlaw Township on the north shore of Ridout Lake and major faults trending north-northwest are reportedly common (ibid).

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METHODOLOGY:

The stripping and trenching program by Can-Mac Exploration Ltd., was conducted from a temporary trailer camp. The camp was errected on the main Foleyet Timber haulage road, adjacent to a

small lake north of Bayley Lake. Stripping was contracted through Noron Exploration Services of Barry's Bay, Ontario. Noron subcontracted the heavy equipment work to Cam Roy Construction Ltd. of Sudbury, Ontario, who provided a D-7 bulldozer, and Linkbelt and Komatsu back hoes. Personnel for the project included a geologist, a foreman, 3 heavy equipment operators, a cook and up to 3 labourers.

A winter road was constructed from the terminus of a secondary timber haulage road, maintained by the Foleyet Timber Co. Ltd. The road transects the Saxton Lake claims along their long axis. It continues past the Saxton Lake claims on a westerly trend before heading north to the Topboot Lake claims, between Topboot and Swayze Lakes.

Areas thought to be favourable targets for gold mineralization were cross-sectioned or followed with trenches. Typically, an area 15 to 25 M wide by up to 1 Km long was cleared of vegetation with the bulldozer. Back hoes subsequently dug 5 to 10 M wide trenches down to bedrock. Debris was piled on one side of the trenches and a service road constructed on the other. The service road provided access to the trenches for 4 wheel drive trucks and a compressor towed by a skidder. The compressor was used to remove any remaining debris on the bedrock with a blow pipe and also to power drills used for blasting. The geologist then mapped and sampled the exposed bedrock. Maps were prepared at 1:1,000 and 1:2,500 scales. Channel or grab samples were collected at a maximum interval of 10 M and sent to Swastika Analytical Laboratories in Swastika, Ontario; for Au and locally Aq, Pt, Pd and multi-element analyses. An additional 8 samples of B horizon inorganic soil, and humus were collected for a limited soil orientation survey of the Topboot Lake claims.

WORK PERFORMED:

<u>Saxton Lake</u>

performed Work on the Saxton Lake claims included the grid-line roads, minor mapping, construction of winter prospecting, and and stripping trenching. Winter roads constructed on the Saxton Lake claims total 4.25 line kilometres and are located as shown in figure 5.

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An unusual lack of pervasive snow cover during the last week of November and the first week of December, enabled the writer to conduct cursory grid-line geological mapping and sampling when not occupied with the stripping and trenching program. The gridlines mapped included 8+00W, 33+00W and parts of lines 27+00W, 30+00W and 31+00W. The lack of snow also enabled Noron Exploration Services to evaluate the terrain for stripping, and conduct prospecting and sampling along grid-lines.

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Stripping and trenching were carried out on the Saxton Lake claims according to the dimensions listed in table 2, and as shown in figures 5-10. The term "Stripping", as applied in this report, refers to an area cleared of vegetation, snow and topsoil with the bulldozer. The term "Trenching", as applied in this report, refers to an area dug down to bedrock with the back hoe. Some of the areas stripped were not trenched because of a reduction in budget, or a change in strategy resulting from improved knowledge of the property geology. In addition, 3 smaller trenches were not mapped and sampled because of budget considerations and because they were of lower priority than trenches yet to be dug on the Topboot Lake claims.

TABLE 2

TRENCH	DIMENSION	SQUARE	METERS	TRENCHED	MAPPED) TARGET
06+25W	20M X 440M	8800	SQ. M	YES	YES	MAX-MIN CONDUCTOR ALTERATION ZONE
14+75W	20M X 900M	18000	SQ. M	YES	YES	DEFORMATION ZONE MAX-MIN CONDUCTOR ALTERATION ZONE
17+75W	20M X 575M	11500	SQ. M	YES	YES	3130 PPB AU ASSAY MAX-MIN CONDUCTOR MAGNETIC ANOMALY ALTERATION ZONE
27+25W	20M X 980M	19600	SQ. M	ONLY 300M	NO	MAX-MIN CONDUCTOR MAGNETIC ANOMALY PORPHYRY DYKES 2 ALTERATION AND
29+50 w	20M X 160M	3200	SQ. M	YES	YES	KOMATIITES
32+50W	20M X 145M	2900	SQ. M	YES	NO	MAGNETIC ANOMALI MAX-MIN CONDUCTOR KOMATIITES
33+50 w -North	20M X 980M	19600	SQ. M	YES	YES	STRATIGRAPHY MAGNETIC ANOMALY 2 ALTERATION AND DECOMMATION ZONES
33+50W -SOUTH	20M X 125M	2500	SQ. M	YES	NO	MAX-MIN CONDUCTOR STRATIGRAPHY ALTERATION ZONE

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DEFORMATION ZONE

Topboot Lake

Work performed on the Topboot Lake claims included the construction of winter roads, stripping and trenching. Winter roads constructed on the Topboot Lake claims totalled 2.225 line kilometres. All areas stripped on the Topboot Lake claims were also trenched and mapped except for the south half of trench 02+25W. The areas on the Topboot Lake claims covered by the stripping and trenching program are listed in table 3, and as shown in figures 11-15.

TABLE 3

TRENCH	DIMENSIONS SQUARE M	ETRES	TARGET
DERRAUGH	25M X 510M 12750 S(Q. M	DERRAUGH VEIN WITH ASSAYS UP TO 1.336 OZS. AU/TON 2 EAST-TRENDING I.P. ANOMALIES 2 LINEAR DEPRESSIONS
NORTH- CROSS	20M X 275M 5500 S	2. M	CROSS-SECTION DERRAUGH VEIN EAST-TRENDING I.P. ANOMALY
SOUTH- CROSS	20M X 235M 4700 S	д. М	CROSS-SECTION DERRAUGH VEIN EAST-TRENDING I.P. ANOMALY
03+75W	20M X 140M 2800 SC	а. м	I.P. ANOMALY
02+25W	20M X 215M 4300 SC	р. М	I.P. ANOMALY
01+25W	20M X 275M 5500 8	SQ. M	# 2 VEIN WITH ASSAYS UP TO 19,400 PPB Au I.P. ANOMALY LINEAR DEPRESSION
NORTH- 2 VEIN	20M X 35M 700 SC	Q. M	# 2 VEIN
MIDDLE- 2 VEIN	20M X 40M 800 S	D. M	# 2 VEIN
SOUTH- 2 VEIN	20M X 40M . 800 S	D. M	# 2 VEIN
00+75E- North	20M X 245M 4900 SC	д. м	I.P. ANOMALY STRATIGRAPHY
00+75E- South	20M X 325M 6500 S(D. M	3 I.P. AQNOMALIES 2 LINEAR DEPRESSIONS STRATIGRAPHY

In addition to winter roads constructed on the Saxton Lake and Topboot Lake claims, a total of 4.975 line kilometres of roads were constructed on claims not part of the Can-Mac/Glen Auden joint venture.

RESULTS:

Saxton Lake

As a result of the stripping and trenching program on the Saxton Lake claims, the stratigraphy described by Bell (1983) and Abernathy (Nov.a 1987), was essentially confirmed. The geology is comprised of a diverse assemblage of east-trending metavolcanics and metasediments exhibiting variable intensities of hydrothermal alteration and deformation. They are also cut by ultramafic, intermediate-porphyritic, diabase and lamprophyre intrusions.

Ultramafic rocks consisting of komatiitic flows were encountered in a 100 to 300 M thick sequence south of Freymond Lake, and another 50 to 100 M thick sequence east of Hook Lake. Noth Bequences have coincident magnetic anomalies with readings up to 62,025 gammas (Hodges, Jul. 1987). They are typically massive to weakly foliated, medium green rocks, commonly exhibiting diagnostic spinefex texture. Spinefex-textures are comprised of 2 mm to 5 cm skeletal pyroxene crystals in a random orientation. Komatiites contain an abundance of Fe-Mg minerals and thus explain the coincident magnetic anomalies.

A 50 M wide, fine- to medium-grained, massive, dark green rock was encountered on the west side of the property, approximately 400 M north of Freymond Lake. The rock is difficult to differenciate from adjacent mafic metavolcanics in the field, but has a distinct coincident east-trending, discontinuous magnetic anomaly with readings up to 62,448 gammas. The rock locally contains up to 10 % disseminated pyrite and pyrrhotite along it's contacts. Although the rock has a gabbroic appearance, it has an ultramafic chemical signature according to Abernathy (1987 pers. com.), and is thus interpreted as an ultramafic dyke or sill. Its ultramafic composition and abundance of disseminated pyrrhotite explains the associated magnetic anomaly.

Mafic metavolcanic rocks were encountered on the Saxton Lake claims in a 200 to 300 M wide sequence bisecting the long axis of the claims, a greater than 50 M wide sequence along the south claim boundary, and a 300 M wide sequence east of Hook Lake. They are predominantly massive to weakly foliated, dark green, chloritic rocks, locally occuring as pillowed flows.

Mafic metavolcanics in the west-central parts of the claims were mapped by Abernathy (Nov.a 1987), as significantly thinning eastward from 500 M west of Saxton Lake. However, chlorite +/sericite schists were encountered in trenches 06+25W and 14+75W which are interpreted by the writer as the east lateral extension of these mafic metavolcanic rocks.

The west side of the south contact of the mafic metavolcanics bisecting the claims, is characterized by a 100 M wide deformation and alteration zone trending east-northeast towards

and pillowed flows are extensively and Saxton Lake. Massive locally intensely sheared, as indicated by the development of a strong penetrative fabric (schistosity) with sericitization and chloritization, flattening of pillows up to 5:1, conjugate tension gash development, and flattening and extension of clasts chloritization, flattening of pillows up to in the plane of schistosity. Schistosities strike at an azimuth of 50 to 90 degrees and dip vertically to 50 degrees north. Clast bearing rocks are peculiar as they locally contain only 1 pyritic, cherty clast type with a bright pink unidentified alteration. Clasts are up to 50 cm long, flattened in the plane of schistosity and extended along a steeply plunging lineation. Because the clasts locally form continuous to discontinuous laminations they may be of tectonic derivation. However, they grade southwards into apparent metavolcaniclastic rocks with 2 or 3 clast types.

Felsic to intermediate metavolcanic and/or metavolcaniclastic rocks occur in a sequence up to 600 M wide along the north part of the property, and a sequence up to 300 M wide north of Freymond Lake. The latter sequence is commonly interdigitated with rocks interpreted as metasediments. The felsic to intermediate rocks massive, light to medium green, are plagioclase porphyritic flows or intrusions in the northeast part of the property. These rocks grade southwards into massive to weakly foliated, light green quartz-plagioclase-muscovite +/chlorite schist and then to sericite schist.

An extensive and locally intensive deformation and alteration zone occurs along the south boundary of the northern felsic to intermediate sequence. The zone is 100 M wide on the west side of the property and thickens to 400 M wide in the east near Saxton Lake. The zone trends east-southeast and apparently intersects the previously described deformation and alteration zone in mafic rocks, east of Saxton Lake. The zone is characterized by a strong schistosity striking at an azimuth of 90 to 110 degrees and dips vertically to 65 degrees north. It is also characterized by enechelon and conjugate fractures and steeply west joints, a plunging lineation, quartz-carbonate veining, and the local development of tectonic (mylonitic) fabrics. One such fabric is of lozenge-shaped tectonic clasts, flattened in the development the plane of schistosity and extended along a steeply west lineation. Deformation is also characterized by fine plunging anastomozing chloritic shears containing epidote, commonly carbonate and locally a green-coloured mica. The rocks are also locally intensely fractured and have a beige or pink siliceous alteration. The siliceus pink alteration may be alkali feldspar or hematization, although the pink colouration is also common in less siliceous carbonatized rocks. Pyritization is ubiquitous in the altered rocks and gives them a limonitic and/or hematitic gossanous surface exposure.

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Meta-sediments are in a 50 to 100 M wide sequence between the more northely situated mafic and felsic metavolcanic rocks, and a 50 to 100 M wide sequence 100 M north of Freymond Lake. The more northerly sequence is comprised of massive to finely laminated locally slatey guartz-plagioclase-biotite +/and muscovite schist. They are locally interlaminated with graphitic (carbonaceous) schist layers up to 35 M wide at the south contact of the north deformation and alteration zone. The carbonaceous layers are coincident and thus explain the 2.5 Km long, easttrending, discontinuous conductor centered near Saxton Lake.

The southern metasediment is comprised of medium to dark grey, massive to laminated guartz-plagioclase-biotite +/- muscovite schist and meta-conglomerate. Meta-conglomerate contains rounded porphyry, granitoid and black lithic clasts in a guartzplagioclase-biotite +/- muscovite schist matrix. Clasts are between 4 mm and 75 cm long and locally have an unidentified pink alteration. The metaconglomerate is locally deformed, as indicated by a schistose fabric, flattening of clasts in the plane of schistosity and their extension along the lineation.

Intermediate porphyritic dykes and/or sills, 1 to 25 M thick, intrude the metavolcanic and metasedimentary rocks parallel to the schistosity. At least 3 types of porphyritic intrusions are recognized. The most common type contains 1 to 3 mm plagioclase phenocrysts in a light to medium green/grey, massive groundmass. A second variety contains sericitic plagioclase phenocrysts in a light green/grey, weakly to intensely foliated groundmass. These latter porphyritic intrusions cut the afore-mentioned deformation products of the zones and are interpreted as alteration previously described porphyry type. Because both porphyry types the deformation and alteration zones they in are occur interpreted to have been emplaced synchronous with the deformation. A third porphyry type intrudes mafic and ultramafic rocks south of Freymond Lake. They contain 2 to 3 mm plagioclase phenocrysts in a light grey groundmass with biotite flecks.

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Late intrusive rocks on the Saxton Lake claims include diabase and laprophyre dykes and sills. Diabase dykes are 10 to 20 M wide, dark green/grey rocks with an apparent northwest trend. They exhibit diagnostic diabasic texture consisting of randomly oriented euhedral plagioclase crystals and interstitial pyroxene. Lamprophyre dykes or sills are approximately 1 M thick and comprised of 0.5 to 2 mm long hornblende and/or biotite phenocrysts in a fine-grained, brown groundmass.

A total of 365 samples of rock were collected on the Saxton Lake claims. Trenches were sampled at a maximum interval of 10 M with additional samples taken of rocks thought to be favourable hosts for gold mineralization. Grab samples were also collected from the few grid-line mapping traverses, and the prospecting

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traverses conducted by Noron. Only 16 of these samples were considered anomalous, having gold concentrations equal to or greater than 20 ppb. Only 1 sample of 320 ppb Au (re-checked at thought to be significantly anomalous. An 400 ppb Au) was additional 3 samples were subsequently taken around this "significantly anomalous" sample which returned less than 10 ppb Au. The higher gold analyses acheived by Bell (1983) of 1.65 ppm Au, and Abernathy (Nov.a 1987) of 3130 ppb Au, could not be duplicated. Similarly, of the 83 samples analyzed for Ag, and 5 samples analyzed for Pt and Pd, only background or slightly anomalous concentrations were obtained.

Topboot Lake

The stripping and trenching program on the Topboot Lake claims was restricted to the 10 claims in the southeast corner of the property. The program resulted in the recognition of a complex structural control to the auriferous quartz-carbonate veins. In addition, a different interpretation of the felsic to intermediate host rocks than that presented by Abernathy (Feb., Aug., Sept. 1987) is postulated. Mafic rocks mapped northeast of the known auriferous veins by Abernathy (Feb., Aug., Sept. 1987) were not examined as part of this program.

The dominant rock type mapped on the Topboot Lake claims, is a massive to intensely foliated, light to medium green/grey rock with 1 to 4 mm euhedral plagioclase phenocrysts. The rock is typically massive and well jointed except where it is proximal to quartz-carbonate veins, I.P. anomalies or the linear depressions mentioned by Abernathy (Feb., Aug., Sept., Nov.b 1987) and Abernathy and Hodges (Dec. 1987). In these localities the rock is weakly to intensely foliated and sheared, plagioclase phenocrysts weakly to intensely sericitic, and are the groundmass is sericitic and chloritic and may contain carbonate, pyrite, epidote or graphite. Adjacent to the Derraugh, # 2 and # 3 vein systems, the rock is microbrecciated and locally mylonitic and/or brecciated and has a beige or pink siliceous and carbonate alteration. Fracture filling and disseminated pyrite and locally chalcopyrite are also common. This porphyritic rock type was mapped by Abernathy (Feb., Aug., Sept. 1987) as a diverse assemblage of felsic ash, lapilli and crystal tuffs. However, it opinion that the whole felsic to intermediate is the writers sheared intermediate assemblage is likely porphyritic a at intrusion, or least a porphyritic volcanic flow. This interpretation is based on the rocks homogeneity and massive well jointed fabric in less deformed and altered localities. Laminar: fabrics are only encountered where the rock is deformed and altered.

A medium-grained, light green rock composed of sericitic plagioclase, a chloritic Fe-Mg mineral (possibly hornblende) and minor quartz was locally observed in the Derraugh North- and South-Cross trenches. It has both sharp and gradational contacts

with the adjacent porphyritic rocks and is therefore interpreted as having had a diorite intrusive protolith. Abernathy (Feb., Aug., Sept., Nov.b 1987) also describes altered, coarser-grained diabase or diorite dykes cutting felsic tuffs with sharp contacts and underlying the linear depressions. These dykes may be a later intrusive phase of the porphyritic rock type or separate intrusions. They may have been emplaced and then subsequently altered in faults represented on the surface by the linear depressions.

One M thick, dark green/grey rocks with 2 mm horneblende phenocrysts and sharp contacts, were encountered in 2 localities on the Topboot Lake claims. They are considered to be mafic or lamprophyre dykes or sills. One of these intrusions located near the # 2 vein system, intrudes porphyry along its schistosity, and has conjugate quartz-carbonate filled tension gashes. The tension gashes trend at an azimuth of 160 degrees, parallel to the trend of the Derraugh and # 2 vein systems.

A peculiar rock was observed in several localities in the north part of trench 00+75E. The rock is composed of laminar graphitic schist, marginal to sheared plagioclase porphyritic rocks containing up to 5 cm long, worm-like, elongate clasts of massive pyrite and graphite. Adjacent rocks locally have a mylonitic fabric consisting of 5 mm lozenge-shaped clasts in an anastomozing matrix with up to 20 % pyrite. The rock is clearly deformed although it is not clear if the rock sheared because of a less competent graphite precursor or if the graphite is an alteration associated with the shearing.

In the more northerly trenches, foliations, schistosities and shearing predominantly trend at azimuths of 100 to 120 degrees, and dip north at 60 to 80 degrees. Conversely, in all other trenches foliations, schistosities and shearing predominantly trend at azimuths of 50 to 70 degrees, and dip north at 50 to 75 degrees. Fractures and veins occur in many orientations, although proximal to and within the Derraugh, # 2 and # 3 vein systems, they are most common with trends at or near an azimuth of 160 degrees.

The Derraugh vein system is located at 6+50 M S on L 1+00 W and is exposed in the Derraugh trench between the North- and South-Cross trenches. The Derraugh vein system consists of a large vein up to 1.3 M wide and smaller parallel and stockwork veins and veinlets over widths up to 6 M. The larger vein has sharp to irregular contacts and was encountered over a strike length of 100 M. However, veins and/or their adjacent siliceous alteration were discontinuously traced trending at an azimuth of 160 degrees over a strike length of 200 M. The Derraugh vein system remains undelineated in both directions. The dip of the vein system could not be determined as both steeply west and east dips were measured. Veins are comprised of milky-white quartz and carbonate with dendritic, hairline, yellow/brown carbonate filled fractures. They contain up to 5 % fracture filling and disseminated pyrite and chalcopyrite. Chalcopyrite is commonly oxidized to malachite. A locally observed unidentified dendritic black mineral was initially considered to be calcocite or graphite. However, samples taken from these localities are not significantly copper enriched suggesting it is the latter mineral.

The Derraugh vein system was channel (chip) sampled along sections spaced 15 M apart (Figure 16). Channel samples were 1 M long in the most favourable areas for gold mineralization, and 1 to 3 M long in less altered rocks. Grab samples were collected at up to 10 M intervals in the least favourable areas, along the Derraugh, North- and South-Cross trenches. Metal concentrations in the channel samples were obtained up to 52,460 ppb Au (1.68 ozs. Au/ton), 8.4 ppm Ag and 3,490 ppm Cu, with locally anomalous V, Cr, Pb, B, Ba, As, Bi, Mo and S. Gold, silver and copper exhibited a distinct positive correlation. Highly values anomalous gold concentrations were checked up to 4 times and found to be consistent. Two of the 15 M spaced cross-sections contain ore-grade gold concentrations over a significant width. At 045 M north of 0+00, the Derraugh vein system averaged 14.4 grams Au/tonne (0.42 ozs. Au/ton) over a 3 M width (using the best values for each sample). At 060 M north of 0+00, the Derraugh vein system averaged 17.1 grams Au/tonne (0.56 ozs. Au/ton) over a 4 M width, and 34.6 grams Au/tonne (1.11 ozs. Au ton) over a 2 M width. A minimum gold concentration of 1.4 grams Au/tonne (0.044 ozs. Au/ton) in 1 M channel samples was achieved over a strike length of 60 M. In addition, it should be noted that 3 of the cross-sections spaced 15 M apart, were not sampled, including the 2 located immediately south of 045 N which returned ore-grade gold concentrations.

The North- and South-Cross trenches and the south end of the Derraugh trench also intersected 2- weak to strong, continuous The anomalies were identified as areas I.P. anomalies. of moderate to intense shearing with fracture filling and disseminated pyrite. The stronger of the 2 anomalies, located at approximately 5+00 M S on lines 1+00E to 4+00W, returned a significant gold concentration of 900 ppb Au (Figure 16). However, only 30 ppb Au was obtained in the rocks collected nearby. The weaker of the 2 anomalies, located at 7+50 M S on lines 0+00 to 4+00W, returned no significant gold concentrations in the South-Cross trench. However, a 50 M interval in the Derraugh trench had 6 contiguous samples with anomalous gold concentrations between 100 and 340 ppb.

The # 2 vein system is located at 2+00 M S on line 1+00 W and is exposed in the N2V, M2V and S2V trenches. The # 2 vein system was traced at an azimuth of 160 degrees over a strike length of 60 M and remains undelineated in both directions. A large quartzcarbonate vein up to 1.1 M wide is bordered by smaller veins and stockwork veinlets over widths up to 5 M. The veins have sharp to irregular contacts dipping steeply in both directions. The # 2 vein system is mineralogically similar to the Derraugh vein system except that minor amounts of galena were also observed.

The # 2 vein system was channel sampled along the trenches, at Μ intervals in themost favourable 1 rocks for gold mineralization, and 1 to 3 M in less favourable rocks. The gold values achieved were less encouraging than samples previosly taken by Abernathy and the samples collected from the Derraugh occurrence. Gold concentrations were only obtained up to 1,030 ppb in the N2V trench, 1,130 ppb in the S2V trench and 280 ppb in the M2V trench (Figure 16). Two-2 M sections in the S2V and N2V trenches averaged 1,005 ppb Au (0.029 ozs Au/ton) and 890 ppb Au (0.026 ozs. Au/ton), respectively. The # 2 vein system also contains locally anomalous concentrations of As, B, Ba, Bi, Zn, Mo and S.

A third vein system, henceforth referred to as the # 3 vein, was discovered on the Topboot Lake claims in a trench located at 03+75W. The trench was initially dug to identify a strong I.P. anomaly located at 50 M S on line 04+00W. The # 3 vein is a stockwork quartz-carbonate-pyrite vein system with associated siliceous, carbonate, sericite and chlorite alterations in the adjacent porphyritic host rocks. The veins are near a zone of intense chloritic shearing with discontinuous seams of fracture filling pyrite. This nearby sulphide occurrence is beleived to be the source of the I.P. anomaly. Only small stockwork veins and veinlets were encountered in trench 03+75W, similar to those adjacent to the larger Derraugh and # 2 veins. Consequently, it is possible that the trench only skirted the side of a larger vein system similar to the Derraugh and # 2 veins.

Grab samples of rocks collected from the # 3 vein, contained up to 490 ppb Au (Figure 16). Rocks collected either side of this higher analysis returned anomalous values of 50 and 30 ppb Au.

3 vein is located 200 M sinistrally offset and the The opposite side of a northeasterly-trending linear depression, from the # 2 vein. These linear depressions have already been interpreted as faults by the writer and by Abernathy (Feb., Aug., Sept., Nov.b 1987). Similarly, the # 2 vein is located 100 M sinistrally offset opposite and the side of another northeasterly-trending linear depression, from the projected north extension of the Derraugh vein. All 3 vein systems are structurally and mineralogically similar. They are interpreted to have been derived from tensional, conjugate fractures to a northeasterly-trending shear zone. Shearing is believed to be most intense and focussed through the northeasterly-trending linear depressions. If this interpretation is correct, all 3 occurrences may be part of the same vein system, attributed to
and later offset by the same sinistral shear zone. In addition, if this interpretation is correct, all future work in areas underlain by the porphyritic rocks should be conducted in an east-west orientation. However, rocks behave differently during deformation because of differences in their composition and/or fabric. Therefore, this condition may not be applicable for the mafic rocks underlying the north claims of the property.

A limited soil orientation survey was conducted on the Topboot Lake property to test the effectiveness of sampling the Al (humus) and B (illuviated) soil horizons for gold and copper accumulation. A total of 8 samples were collected, including 4 samples from each of the A1 and B horizons. Three samples of each horizon were collected proximal to known gold occurrences and 1 of each in an area known to be barren of gold. These localities were 5 M east of the Derraugh vein at 045 M N, 3 M west of the Derraugh vein at 100 M N, overlying the # 2 vein at 5 M north of trench S2V and at 50 M W in the South-Cross trench, respectively. The results indicated that sampling the humus is very effective for gold as they contaied 450, 45, 65 and 5 ppb, respectively. Humus is only locally effective for copper as samples contained 17, 25, 88 and 18 ppm, respectively. The B soil horizon is ineffective for both gold and copper as they contained; 15, nil, nil and nil ppb Au; and 14, 10, 21 and 7 ppm Cu, respectively.

CONCLUSIONS AND RECOMMENDATIONS:

Based on the results achieved in this and previous exploration programs, further work is recommended on the Saxton Lake, Topboot Lake and Sylvanite prospects.

<u>Saxton Lake</u>

Although little 'encouragement was achieved on the Saxton Lake claims from the analyses, the geology and in particular the closer examination. deformation and alteration warrents In some of the trenches, namely 27+25W, 32+50W and the addition, north and south parts of trench 33+50W were not mapped or sampled. Although trenching was extensive it was not possible in areas covered by swamps or lakes. In particular, the Max-Min conductor is partially overlain by swamp, and Freymond and Hook Lakes are beside the southern deformation and alteration zone. Saxton Lake overlies the intersection of the 2 deformation and alteration zones. The Saxton Lake claims cannot be confidently dissmissed without investigating these ommissions.

1) The trenches not examined because of a reduction in budget or a change in priorities, should be mapped and sampled in the 1988 field season. This can be accomplished inexpensively by a geologist without the need for a compressor or drill. A minimum budget of 2,000 dollars will be required to accomplish this task.

2) Reconnaissance mapping and sampling in the 1988 field season

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should also be conducted along the trends of the 2 deformation and alteration zones both on and off of the Saxton Lake claims. A minimum budget of 3,000 dollars will be required for this mapping.

3) I.P. should be considered in a few traverses over Saxton, Freymond and Hook Lakes. A few reconnaissance lines between trenches should also be considered. Another I.P. traverse should be run on line 15+00W in order to cover the 150 M gap in trench 14+75W because of swamp. This line will also be useful to response to correlate I.P. sulphide occurrences already identified in trench 14+75W. Recomended lines for the I.P. survey are as follws:

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L 06+00W 6+00S to 2+00N = 800 M

L 10+00W 9+25S to 8+25N = 1750 M

L 15+00W 5+00S to 6+50N = 1150 M

L 21+00W 8+75S to 5+50N = 1425 M

L 24+00W 8+50S to 5+75N = 1475 M

L 28+00W 8+25S to 8+00N = 1625 M

L 30+00W 8+75S to 8+00N = <u>1675 M</u>

Total line kilometres 9900 M
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The I.P. survey can only be conducted during the winter and is considered a lower priority in comparison to the additional work required on the Topboot Lake and Sylvanite prospects. The I.P. survey will require a minimum budget of 20,000 dollars.

Topboot Lake

A great deal of encouragement was achieved as a result of the stripping and trenching program on the Topboot Lake property. Ore-grade gold concentrations over significant widths were achieved in the Derraugh vein system and sub-ore grade concentrations were returned from the # 2 and # 3 vein systems. promising Several other localities with anomalous gold concentrations were either discovered or known from previous surveys. These include the southeast corner of claim 932196, the I.P. anomaly located at the south end of the Derraugh trench, the I.P. anomaly in the North-Cross trench and several localities marginal to the linear depressions.

1) A brief (1 or 2 day) reconnaissance mapping program should be conducted on the north part of the Topboot Lake property. The purpose of this program would be to establish the best direction to run grid lines. At this time additional soil orientation samples should be taken. A minimum budget of 2,000 dollars will be required to accomplish this mapping.

2) A metric grid should be cut on the remainder of the property with lines 100 M apart and pickets at 25 M intervals. The grid will require a minimum budget of 10,000 dollars. ふうち いいうきだい ひんかり し

3) Soils should be collected on the base and tie lines of the existing grid and along the lines of the grid yet to be cut. The soil horizon sampled should be humus and should be collected at an interval not exceeding 25 M. A greater sample density may be required depending on the results of additional orientation samples. The soil survey will require a minimum budget of 20,000 dollars

4) Geological mapping should be conducted along the base and tie lines of the existing grid, along the projected trend of the known vein systems, along the linear depressions and along the lines of the new grid. A minimum budget of 15,000 dollars will be required for the geolgical mapping.

5) A magnetometer geophysical survey should be conducted over the new grid and I.P. in areas thoght to be favourable as a result of the mapping. The magnetometer part of the geophysics will require a minimum budget of 10,000 dollars.

6) Stripping and trenching should be continued in order to delineate the Derraugh and # 2 veins and further excavate the # 3 vein. The Derraugh trench should also be cleaned along the trend of the Derraugh vein and the remainder of the 15 M crosschannel sampled. sections Trenches should be considered to investigate the 2450 ppb Au sample at the southeast corner of the property and the gold anomalies in the North-Cross trench and the south end of the Derraugh trench. East-trending reconnaissance trenches should also be considered. The stripping and trenching will require at least 50,000 dollars.

7) A preliminary approximately 2,000 foot diamond drill program is recomended to test the Derraugh and # 2 vein systems. The diamond drill program will require a minimum budget of 60,000 dollars. However, further drilling may be warrented depending on the results of early holes. The holes should be drilled according to the following specifications.

HOLE		COLLAR	AZIMUTH	DIP	LENGTH	TARGET
T.L88-1		1+20 W	070	045	100 M	DERRAUGH VEIN BENEATH
	&	6+50 S				045 N CROSS-SECTION
T.L88-2		0+80 W	250	045	100 M	DERRAAUGH VEIN BENEATH
	&	6+70 S				045 N CROSS-SECTION AND
						ESTABLISH VEIN DIP
T.L88-3		1+25 W	070	045	50 M	DERRAUGH VEIN BENEATH
	&	6+65 S				030 N CROSS-SECTION
T.L88-4		1+15 W	070	045	50 M	DERRAUGH VEIN BENEATH
	&	6+35 S				060 N CROSS-SECTION
T.L88-5		1+15 W	070	060	75 M	DERRAUGH VEIN BENEATH
	&	6+35 S				060 N CROSS-SECTION
T.L88-6		1+40 W	070	045	100 M	# 2 VEIN BETWEEN N2V AND
	&	1+65 S				M2V TRENCHES

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100 H # 3 VIELN BRTWEEN H2V AND H2V TRENCHER AND RATABLIBH VEIN DIP

HOLES WILL DE DRILLED FROM THE OPPONITE DIRECTION OF DIPU ARE DETERMINED TO DE EASTERLY

Sylvanite Prospect

Although the Sylvanite prospect has not been examined by the writer, high gold assays obtained by previous workers warrents re-examination. Seventy claims have also been staked in addition to the original 6 and require preliminary examination.

1) An airborne V.L.F., aeromagnetic and radiometric survey should be considered as an inexpensive method of obtaining the necessary assessment credits to maintain the claims in good standing. The survey may also be useful in outlining preliminary exploration targets other than the known gold occurrences. Because the area has already been covered by previous airborne surveys along north-south flight lines, east-west flight lines should be considered for the current survey. This survey will cost a minimum of 7,500 dollars.

2) A 1 or 2 day field examination should be conducted on the Sylvanite claims in order to examine the old trenches and take a limited number of samples. The geology of the claims distal to the known occurrences should also be examined in order to determine the best orientation for a grid. A minimum budget of 4,000 dollars will be required to accomplish this task.

3) A metric grid should be cut over the 70 most recently staked claims with lines 100 M apart and pickets at 25 M intervals. The grid will require a minimum budget of 25,000 dollars.

4) The grid should be mapped and sampled which will require a minimum budget of 20,000 dollars.

5) Stripping and trenching should be conducted over the known occurrence in an attempt to extend the veins. The winter road constructed to access the Topboot Lake claims will therefore have to be extended to the Sylvanite claims. The road extension, stripping and trenching will require a minimum budget of 50,000 dollars. and a second have a make been a set of the second second second second being a second being a second second sec



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CERTIFICATE

I, Robin E. Goad, M.Sc., F.G.A.C., of 163 Pine Valley Dr., Unit 55, London, Ontario, certify as follows concerning my report entitled <u>Report</u> on <u>Stripping</u> and <u>Trenching</u> on the <u>Saxton Lake</u>, <u>Topboot Lake and Sylvanite Projects</u>, <u>Swayze and Denyes Townships</u>, <u>Porcupine Mining District</u>, <u>Ontario</u>. <u>November 1987 Through March</u> <u>1988.</u>, for Can-Mac Exploration Limited, dated April 1988.

1) That I am a member in good standing of the following professional organizations.

- a) Geological Association of Canada.
- b) Geological Society of America.
- c) Canadian Institute of Mining and Metallurgy.
- d) Prospectors and Developers Association of Canada.

2) That I am a graduate of the Department of Geology, University of Western Ontario, London, Ontario, with an M.Sc. in geology, obtained in 1987 and a bachelors obtained in 1981.

3) That I have been gainfully employed in the exploration and mining industry and practising my profession for more than 11 years.

4) That this report is a product of:

a) A 4 month Stripping and Trenching program conducted on the Saxton Lake and Topboot Lake project sites.

b) Data obtained from Can-Mac Exploration, Geological Engineering Services and Robert S. Middleton Exploration Services Inc.

- c) Data obtained from the government assessment offices in Timmins, Ontario.
- d) Discussions with coleagues who are actively working in the area.

5) That I have no direct or indirect interest in the properties and securities of Can-Mac Exploration Limited, except for 5,000 common shares purchased on the open market.

Dated this 20 th day of April, 1988.

Robin E. Goad, M.Sc., F.G.A.C. Geological Engineering Sevices, North Bay, Ontario.



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APPENDIX

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SWACTIKA LABORATC RES LIMITED P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

cate No69367			Date: Dec. 30, 1987				
ed <u>Dec.</u>	16, 1987	98	Samples of	_ore_			
tted by _	Can Mac Explor	ation Limited	Barry's B	ay. On	tario	proj#Saxtor	1
						page 1 of 3	
PLE NO.	GOLD PPB		SAMPLE NO	•	GOLD PPB	SILVER PPM	
01	10/Ni1		67642		Ni1/10		
. 20	Ni l'		67643		10		
04	Ni l		67644		Nil		
05	Ni l		67645		Nil		
06	Ni l		67646		Nil		
07	Ni l		67647		Nil		
08	Ni l		67648	•	Nil		
09	Ni l	,	67649		NII		
10	Ni1		67650	· .	Ni l		
31	Nil		67654		Ni l		
32	Níl		67655		Nil		
33	Nil		67656	• •	Nil		
34	Nil	r 1	67663		Nil		
35	Nil		67664		Nil		
36	Nil		67665	·	Nil		
37	Ní 1		67666		Nil		
38	Ni 1		67667		Nil		
39	Ni l		67668		Nil		
40	Ni l	1	475-030N		Nil	NII	
41	Ni l	1	475-040N		Ni l	Ni l	
1							

con't....

Per. G. Lebel, Manager/dg

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SWACTIKA LABORATC RES LIMITED

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Certificate No. 69367		Certifi	icate of Analysis		Page	2 of 3
SAMPLE NO.	GOLD PPB	SILVER PPM	SAMPLE NO.	GOLD PPB	SILVER PPM	
1475-050N	Nil	Nil	1475-160N	Ni l	Nil	
060N	Nil	Nil (1605	Nil	Nil	
070N	10/Ni1	0.8	170N	NI1/Ni1	Nil	
080N	Nil	0.2	180N	Níl	NII	
090N	Nil	Nil	190N	Nil	Níl	,
100N	Nil	0.2	200N	Nil	Nil	
100S	Nil	NI I	210N	Nil	Nil	
105 <u>N</u>	Nil	NII	220N	Nil	Nil	
110N	Nil	NI 1	230N	Nil	Nil	
110	Nil	Ni l	240N	Nil	Nil	
120N	.10	0.2	250N	Nil	Nil	
1205	Nil	0.2	255N	Nil	Nil	
127N	NI1/10	Ni l	270N	Nil	Nil	
130N	Nil	Níl·	280N	Nil	Nil ·	
1305	Nil	Nil	290N	Nil	Nil	
140N	Nil	0.2	300N	Nil	Ni 1	
140S	Nil	Nil	310N	10/Nil	0.2	
142N	Nil	Nil	329N	Nil	NI 1	. '
150N	Nil	Nil.	331N	NII	Ni 1	
1505	Nil	NI1	336N	Nil	0.6	2

con't....

Per

G. Lebel, Manager

SWACTIKA LABORATC RES LIMITED

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Certificate No. 69367

Certificate of Analysis

Page 3 of 3

SAMPLE NO.	GOLD PPB	SILVER PPM
1475-347N	Nil	Nil
354N	Nil	Níl
364N	Ni 1	Nil
375N	NII	Nil
1475-x	Nil	Nil
2700-0	Nil	
2700-090N	Nil	
2700-4255	Nil	
2700-4655	Nil	
3000-0255	Nil	
3100-210S	Nil/Nil	
3100-470N	Nil	
3100-550N	Nil	
3100-665N	Ni 1	
3300-530N	Ni l	
3300-650N	Ni l	
3300-560S	Nil	•
3300-8585	Nil	

NOTE: Platinum and Palladium results to follow.

Per

G. Lebel, Manager

Gertificate of Analysia tificate No. 69367 - A Date: Jan. 4, 1988 eived Dec. 16, 1987 1 Samplex of Ore mitted by Can Mac Exploration Ltd., Barry's Bay, Ontario		0		,	TELE	PHONE: (706) 643 CAL CHEMISTS •	-3244 FAX: A88AYER8	: (705) 642-3300 5 • CONSULTANTS	
tificate No. <u>69367 - A</u> eived <u>Dec. 16, 1987</u> <u>1</u> Samplex of <u>Ore</u> mitted by <u>Can Mac Exploration Ltd.</u> Barry's Bay Ontario					Certifi	icate of Ana	lysis		
eived Dec. 16, 1987 1 Samples of Ore	tificate l	No	,	69367 - A			Date:	Jan. 4, 1988	
mitted by Can Mac Exploration Itd., Barry's Bay, Ontario	eived	Dec.	16,	1987	1	Samplex of	Ore		 _
mitted by dan nue Expression Edd.; burry 5 buy; ontarios		hv	Can	Mac Explora	tion Ltd.,	, Barry's Bay,	Ontario.		 *

SAMPLE NO.	PLATINUM PPB	PALLADIUM PPB
1475-255N	<20	<5

Per G. Lebel - Manager /ns

SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

Certificate No	69409			Date:	Jan. 5, 19	88	
Received Dec	. 23, 1987	61Sam	ples of _	Rock			
Submitted by _	Can Mac Explo	ration Ltd., Barry	's Bay,	<u>Ontario.</u>			
	Proj. #None	Samples per	Robin E.	Goad			
SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB		SAMPLE NO.	GOLD PPB	
800-0	Ni l	1475-170S	Nil		1475-400N	Ni l	
800 -0 75N	Ni1/10	180S	Nil		410N	Nil	·
80S	Nil	1905	Nil		420N	Nil	
855	Nil	1955	Nil		430N	Nil	
1055	Ni l	2255	Nil		440N	Nil	
125N	Ni l	2285	Ni l		450N	Nil	
1505	Ni l	2305	Ni l		460N	Nil	
175N	Ni l	240S	Ni1/20		470N	Nil	
1805	Nil	2505	Nil		480N	Nil	
220N	Ni l	2555	Ni l		490N	Nil	
2905	Ni l	260S	Nil		500N	Nil	
300N	Ni l	2755	Nil	_	510N	Ni1/10	
300S	10	· 285S	Nil	·	520N	Nil	
515N	Nil	2955	Nil		530N	Nil	
5255	Nil	3055	20		535N	Ni l	i.
630N	10/Nil	3155	Nil		1775-210N	Ni l	
6655	Ni l	325S	Ni l		* 2 2 0N	Nil	
790N	Ni l	3355	Nil		* 230N	Ni l	
860N	Ni l	3455	Nil		240N	Nil	
9635	Ni l	390N	Nil		250N	10	
NOTE	* Two sample	es with same number	r.		260N	Nil	

NOTE: * Two samples with same number. Silver, platinum, and palladium results to follow.

Per. G. Lebel - Manager /ns

	SID S	SWAS ⁻	TIKA LA P.O. BOX 1 TELEPHONE NAYLTICAL CH	ABORA 10, 8WA8TIKA, C 1: (705) 042-3244 1EMISTS • ASSA	TORIES DNTANIO POK 11 FAX: (705) 642-3 YERS • CONSU	D S S S S S S S S S S S S S	ED
		(Certificate :	of Analysi	B		
Certific	ate No69409	9 - A		Dat	e: Jan. 13,	1988	
Receive	ed Dec. 23, 198	37	<u>35</u> San	nples of <u>Roc</u>	:k		
Submit	ted by Can Mac	Exploratio	on Ltd., Barry	/'s Bay, Ontai	rio.		
	1						a and a second
	••••••••••••••••••••••••••••••••••••••						
	SAMPLE NO.	SILVER PPM	PLATINUM PPB	PALLADIUM PPB	SAMPLE NO.	SILVER PPM	
	800-5255		<20	12	1475-3455	Nil	
	1475-1705	Nil			390N	Nil	
	1805	Ni 1			400N	Nil	
	1905	Nil		•••••	410N	Nil	
	1955	Nil		-	420N	Nil	
	2255	Nil			430N	Nil	a di seconda di s
	228S	Nil			440N	Nil	
	230S	Ni l			450N	Nil	
	240S	Ni l			460N	Nil	
	250 S	Nil			470N	Nil	
	2555	Nil .			480N	Nil	
	26 0S	Nil			490N	Nil	
	27 5S	Nil			500N	Nil	
	2855	Nil	30 10 4		510N	Nil	
	2955	Nil			520N	Nil	
t	3055	Nil			530N	Nil	
	3155	Nil			535N	Nil	
1	3255	Nil					
ť							

Per. G. Lebel - Manager /ns

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SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

Certificate	No.	69607			يد		Date: _	Feb. 1, 198	8
Received	Jar	n.25, 1988		109	Samp	les of	Ore	مىرىمىرىكى بىرىمىرىي بىرىمىر _{، 1} 100مىر	·
Submitted	by _	Can Mac Exp	loration	Ltd.,	Barry's	Bay,	Ontario.		Page 1 of 3.
		ATTENTION:	R. Goad		Proj.#	Saxtor	١		
SAMPLE	NO.	GOLD PPB		SAMPI	E NO.	GOLD PPB		PLATINUM PPB	PALLADIUM PPB
1775-0-	+00	30		1775	-200N	Nil			
	10N	320/400			200S	30		** ** **	
	20N	10			210N	Nil			
	30S	10			210S	80/4	40		
	40S	10			2155	Nil			
	50S	20			290N	Nil			
	55N	20			300N	Nil	•		
	60S	Nil			310N	Nil			
	65N	Nil			320N	Nil			
	70S	Ni l			330N	Nil			
	75N	Nil			340N	Nil			
	80 S	10	•		350N	Nil			
ŀ	85N	Ni l			355N	Nil			
	90S	Nil		2950	-700S	Nil			
	95S	Nil			710S	Nil			
1	00S	Nil			72 0 S	10/	Nil	<30	5
• 1	105	10/30			7305	Nil			
1	20S	Ni l			740S	Nil		30	15
1	60N	Nil			750S	Nil			
1	70N	Nil			760S	Nil			
1	80N	Ni l			770S	Nil			
1	90N	Nil			780S	Ni l			Mit en En En
1	905	NI 1						Con't	$\cdots \rho \uparrow \Lambda$

G.Lebel - Manager

Per

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Certificate	No. 69607	(Ie	rtificate of	Analysis	Pag	-2-	
SAMPLE N	O. GOLD PPB	PLATINUM PPB	PALLADIUM PPB	SAMPLE NO.	GOLD PPB	PLATINUM PPB	PALLADII PPB
2950-790	S Nil			3350-1205	20		
800	S 10			125N	Nil		
810	S 10			1305	20		
820	S Nil			135N	Ni l		
830	S Nil			1355	20/20	****	
840	S NII			145N	NI 1	an an in the	• •
850	S 10/Ni1			155N	NI 1		
3350-0+0	O NII	<30	<5	180N	Nil	****	
3350-020	N NII			190N	Nil		
030	N Nil		****	200N	Nil		
040	N Nil	سې مو مو مد		210N	Nil		
050	N Nil			2105	Nil		
060	N Nil	~ ~ ~ ~		220N	20		
060	S 20/Nil			220S	Nil		
065	S Nil			230N	Ni1/Ni1	<30	<5
070	N Nil			230S	Nil		
. 070	S Nil			235N	Nil		
080	N Nil			240N	Nil		
090	S Nil			240S	Nil		
095	5N Nil			250N	Nil		
100	S Nil			250S	Ní l		
105	5N Nil			260N	Nil		
× - 105	5S Nil			26 0S	Nil		
119	5N NII			270N	NI1		
111	ISS Nil			2705	Ni 1		
				Con't.	••••		

Per G. Lebel - Manager



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Certificate No. 69607

Certificate of Analysis

Page ____

-2.

SAMPLE NO.	GOLD PPB
3350-280N	Nil
280S	Nil
290N	Nil
290S	Nil
300N	Nil
3005	Nil
310N	Nil
310S	Ni1/Ni1
320N	Ni l
3205	Nil
330N	Nil
330S	Nil
340N	Nil

Per G. Lebel - Manager

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lipty Into July Jacoba SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

ificate No.	69848			Date: <u>Feb. 17, 1988</u>	
ived Feb	. 10, 1988	64 8	Samples of _	Rock	
nitted by	<u>Can Mac Explorat</u>	tion Ltd., Barı	ry's Bay, O	ntario.	
					Page 1 of 2.
	SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	
	D+105-N1	230	0.2	8	
	N2 VEIN). 350 vein	0.4	13	
	N3 VEIN	1480 VEIN.	0.3	32	
	N4	Nil	Nil	20	
	N5	Nil	Nil	38	
	D+045-NV ∿≌∾ Second Pulo	8910 VEIN 0.282(02/ton 0.314/0.310	4.0	1050	
	1W-127 4	280	07		
	D+045-NC1 Second Pulp	27020 0.85(0z/ton) 0.80/0.90	7.5	3490	
	NC2	1500	0.3	29	
	NC3	20	Nil	8	
	NC4	420	0.4	38	
	D+090-N1	790	0.2	45	
	N2 V EIN	2770/2330 VEN	0.5	86	
	N3	590	0.6	103	
	N4	80	Nil	29	
	N5 .	Nil	Nil	18	
	N6	50	Ni l	6	
	1775-090N	Nil			
	1775-011N	Nil			
		^			

Con't....

Per G. Lebel - Manager /ns

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Page

-2.

Certificate_No. 69848

015N

Nil

Certificate of Analysis

SAMPLE NO.	GOLD	STIVER	CUDDED		001.0
	PPB	PPM	PPM	SAMPLE NU.	GULD PPB
1775-016N	Ni 1		~~ =	625-025N	Nil
NX-069W	Ni l	Nil	11	036N	Nil
625-010S	Ni l			150N	Nil
0205	Nil		*	163N	Nil
0305	Nil			171N	Nil
040S	Ni l			181N	10/Nil
0505	Ni l	***		190N	Nil
060S	Ni l			200N	Nil
070S	Ni l			210N	Nil
0805	Nil			220N	Ni 1
0905	Nil/Nil			230N	Nil
1005	Nil			625-W-069N	Nil
1105	Nil			070N	Ni 1
1205	Ni l			085N	Nil
1305	Ni l			093N	Nil
1405	Nil			100N	Nil
1505	Nil			110N	Nil
160S	Ni l			117N	Nil
1705	Nil			124N	Nil
1805	Ni l	、 -	· • ·	130N	Nil
1905	Nil			140N	Nil/Nil
625-200S	Nil		100 000 and		
005N	Nil				

Per

G. Lebel - Manager

Weinfillfull of Analysis Nate: March 2, 1988 March 2, 1988 Nate: March 2, 1988 March 2, 1988 March 2, 1988 Nate: March 2, 1988 Nate: March 2, 1988 Samples of		ANAYLTICA	L CHEMISTS . ASSAYERS .	CONSULTANTS
Nicate No. 70053 Date: March 2, 1988 ved_February 19, 1988 63 Samples of Rock atted by Can Mac Exploration Division, Barry's Bay, Ontario Page one of four AMPLE NO. GOLD SILVER COPPER PPB PPM PPM 25-0205 Ni1 25-0355 Ni1 25-1605 Ni1 25-1705 Ni1 25-1805 Ni1 125-2005 Ni1 125-2005 Ni1 125-2005 Ni1		Certifici	ate of Analysis	
ved_February 19, 1288 B3 Samples of	rtificate No. <u>70053</u>		Date: Ma	rch 2. 1988
Rare Exploration Division, Barry's Bay, Ontario Page one of four Page one of four AMPLE NO. GOLD SILVER COPPER PPB PPM PPH 25-0155' Ni1 25-0255 Ni1 25-0255 Ni1 25-0355 Ni1 25-0455 Ni1 25-0455 Ni1 25-0455 Ni1 25-0455 Ni1 25-055 Ni1 25-1505 Ni1 25-1605 Ni1 125-1905 Ni1 125-2005 Ni1 125-2005 Ni1 125-2005 Ni1 125-0205 Ni1	ceived February 19, 1988	83	Samples of	
Page one of four AMPLE NO. GOLD PPB SILVER PPH COPPER PPH 25-0155' Ni1 25-0205 Ni1 25-0205 Ni1 25-0255 Ni1/Ni1 25-0255 Ni1/Ni1 25-0255 Ni1 25-0255 Ni1 25-0255 Ni1 25-0455 Ni1 25-1605 Ni1 25-1605 Ni1 25-1705 Ni1 125-1805 Ni1 125-2005 Ni1 125-2005 Ni1 125-2005 Ni1 125-2005 Ni1 225-0305<	bmitted by <u>Can Mac Explora</u>	tion Division	. Barry's Bay, Ontario	
AMPLE NO. GOLD PPB SILVER PPM COPPER PPM 25-0155 Ni1 25-0205 Ni1 25-0255 Ni1/Ni1 25-0255 Ni1/Ni1 25-0255 Ni1/Ni1 25-0255 Ni1 25-0455 Ni1 25-055 Ni1 25-1505 Ni1 25-1605 Ni1 25-1705 Ni1 25-1605 Ni1 125-1705 Ni1 125-1905 Ni1 125-2005 Ni1 125-205 Ni1 125-205 Ni1 125-205 Ni1 225-005 Ni1			Page	one of four
AMPLE NO. GOLD PPB SILVER PPM COPPER PPM 25-0155 Ni1 25-0205 Ni1 25-025S Ni1/Ni1 25-025S Ni1 25-025S Ni1 25-025S Ni1 25-035S Ni1 25-045S Ni1 25-05S Ni1 25-160S Ni1 25-170S Ni1 25-180S Ni1 125-190S Ni1 125-200S Ni1 125-210S Ni1 125-250S Ni1 125-260S Ni1 225-040S Ni1 225-040S Ni1 225-				,
PPB PPM PPM 25-0155 Ni1 25-0205 Ni1/Ni1 25-0255 Ni1/Ni1 25-0355 Ni1 25-0355 Ni1 25-0355 Ni1 25-0355 Ni1 25-0455 Ni1 25-1505 Ni1 25-1505 Ni1 25-1605 Ni1 25-1705 Ni1 125-1805 Ni1 125-1905 Ni1 125-2005 Ni1 125-2105 Ni1 125-2205 Ni1 125-2605 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0505 Ni1 225-0605 Ni1	SAMPLE NO.	GOLD	SILVER	COPPER
25-0155 Ni1 25-0205 Ni1 25-0255 Ni1/Ni1 25-0355 Ni1 25-0455 Ni1 25-0455 Ni1 25-0455 Ni1 25-055 Ni1 25-1505 Ni1 25-1505 Ni1 25-1505 Ni1 25-1505 Ni1 25-1605 Ni1 125-1705 Ni1 125-1905 Ni1 125-2005 Ni1 125-2205 Ni1 125-2605 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0605 <t< td=""><td>•</td><td>PPB</td><td>PPM</td><td>PPM</td></t<>	•	PPB	PPM	PPM
25-0205 Ni1 25-0255 Ni1/Ni1 25-0355 Ni1 25-0355 Ni1 25-0455 Ni1 25-0455 Ni1 25-0505 Ni1 25-1605 Ni1 25-1705 Ni1 25-1805 Ni1 125-1805 Ni1 125-1905 Ni1 125-2005 Ni1 125-2105 Ni1 125-2205 Ni1 125-2505 Ni1 125-2505 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0605 Ni1 Ni1 <td< td=""><td>125-0155</td><td>Nil</td><td></td><td></td></td<>	125-0155	Nil		
25-0255 Ni1/Ni1 25-0355 Ni1 25-0455 Ni1 25-1505 Ni1 25-1505 Ni1 25-1505 Ni1 25-1605 Ni1 25-1705 Ni1 25-1805 Ni1 125-1805 Ni1 125-1905 Ni1 125-2005 Ni1 125-2105 Ni1 125-2205 Ni1 125-2405 Ni1 125-2505 Ni1 225-0205 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0605 Ni1 225-0605	125-0205	Nil		~~~
22-0355 Ni1 25-0455 Ni1 25-1505 Ni1 25-1605 Ni1 25-1605 Ni1 25-1605 Ni1 25-1705 Ni1 125-1805 Ni1 125-1905 Ni1 125-2005 Ni1 125-2105 Ni1 125-2205 Ni1 125-2405 Ni1 125-2605 Ni1 125-2605 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0605 Ni1 225-0605 Ni1	125-0255	Ni1/Ni1	an me ger	
25-0455 Ni1 25-150S Ni1 25-160S Ni1 25-160S Ni1 125-170S Ni1 125-180S Ni1 125-190S Ni1 125-200S Ni1 125-210S Ni1 125-220S Ni1 125-220S Ni1 125-220S Ni1 125-240S Ni1 125-260S Ni1 125-260S Ni1 225-020S Ni1 225-030S 20/Ni1 225-040S Ni1 225-060S Ni1 225-060S Ni1 <	125-0355	Nil	• • • •	
25-150S Ni1 25-160S Ni1 125-170S Ni1 125-180S Ni1 125-190S Ni1 125-200S Ni1 125-200S Ni1 125-200S Ni1 125-200S Ni1 125-200S Ni1 125-220S Ni1 125-240S Ni1 125-250S Ni1 125-260S Ni1 225-020S Ni1 225-030S 20/Ni1 225-040S Ni1 225-060S Ni1 225-060S Ni1	125-0455	Nil		
225-160S Ni1 225-170S Ni1 125-180S Ni1 125-190S Ni1 125-200S Ni1 125-210S Ni1 125-210S Ni1 125-210S Ni1 125-210S Ni1 125-220S Ni1 125-220S Ni1 125-250S Ni1 125-250S Ni1 125-260S Ni1 225-020S Ni1 225-030S 20/Ni1 225-040S Ni1 225-060S Ni1 225-060S Ni1	125-1505	Nil		
225-170S Ni1 125-180S Ni1 125-190S Ni1 125-200S Ni1 125-210S Ni1 125-210S Ni1 125-220S Ni1 125-220S Ni1 125-250S Ni1 125-250S Ni1 125-260S Ni1 225-020S Ni1 225-030S 20/Ni1 225-040S Ni1 225-050S Ni1 225-060S Ni1	125-1605	Nil		
125-1805 Ni1 125-1905 Ni1 125-2005 Ni1 125-2105 Ni1' 125-2105 Ni1 125-2205 Ni1 125-2405 Ni1 125-2505 Ni1 125-2605 Ni1 125-2605 Ni1 225-0205 Ni1 225-0205 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0505 Ni1 225-0605 Ni1	125-1705	Nil		
125-1905 Ni1 125-2005 Ni1 125-2105 Ni1 125-2205 Ni1 125-2405 Ni1 125-2505 Ni1 125-2605 Ni1 125-2605 Ni1 225-0205 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0505 Ni1 225-0605 Ni1	125-1805	Nil	** ** **	
125-200S Ni 1 125-210S Ni 1 125-220S Ni 1 125-240S Ni 1 125-250S Ni 1 125-250S Ni 1 125-260S Ni 1 225-020S Ni 1 225-030S 20/Ni 1 225-040S Ni 1 225-050S Ni 1 225-060S Ni 1	125-1905	Nil	~~~	***
125-2105 Ni1' 125-2205 Ni1 125-2405 Ni1 125-2505 Ni1 125-2605 Ni1 125-2605 Ni1 225-0205 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0505 Ni1 225-0605 Ni1	125-200S	Nj 1		
125-220S Ni1 125-240S Ni1 125-250S Ni1 125-260S Ni1 125-260S Ni1 225-020S Ni1 225-030S 20/Ni1 225-040S Ni1 225-050S Ni1 225-060S Ni1	125-2105	Nil'		
125-2405 Ni1 125-2505 Ni1 125-2605 Ni1 125-2605 Ni1 225-0205 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0505 Ni1 225-0605 Ni1	125-2205	Nil		
125-250S Ni1 125-260S Ni1 225-020S Ni1 225-030S 20/Ni1 225-040S Ni1 225-050S Ni1 225-060S Ni1	125-2405	Nil .		
125-2605 Ni1 225-0205 Ni1 225-0305 20/Ni1 225-0405 Ni1 225-0505 Ni1 225-0605 Ni1 //////	125-2505	Nil	50 Ga 40	
225-020S Ni1 y 225-030S 20/Ni1 225-040S Ni1 225-050S Ni1 225-060S Ni1 ////////////////////////////////////	125-2605	Nil		
225-030S 20/Nil 225-040S Nil 225-050S Nil 225-060S Nil ////////////////////////////////////	225-0205	Nil Y		
225-040S Nil 225-050S Nil 225-060S Nil ////////////////////////////////////	225-0305	20/Nil		
225-050S Ni1 225-060S Ni1 ////////////////////////////////////	225-0405	Nil		
225-060S Nil ///	225-0505	Nil	***	
	225-060S	Nil		n n I I

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ESTABLISHED 1928

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G. Lebel-Manager/rl

SWA_TIKA LABORATC. IES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1TO TELEPHONE: (705) 642-3244 ANALYTICAL CHEMISTS ASSAYERS CONSULTANTS

icata No. 70053	Certificate of Aus	lysis	Page2	<u></u>
SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	
225-0705	Nil			
375-1305	Nil			
D.T. 010S	10			
D.T. 020S	NII		Ten dan aga	
D.T. 0305	Nil			
D.T. 0405	10		****	
D.T. 0505	Nil			
D.T. 060S	Nil		***	
D.T. 060N 1	140	Níl	49	1
D.T. 060N 2	790	0.2	38	
D.T. 060N 3	60	Nil	38	-
D.T. 060N 4 VEIN Second Pulp	14400/14260 16800/15430	. 3.0	613	
D.T. 060N 5 Second Pulp	52460/49440 50400/50470	8.4	2930	
D.T. 060N 6	30	Nil	11	
D.T. 0705	Nil		~ ~ ~	
D.T. 075N 1	20	Nil	9	
D.T. 075N 2	430	0.4	87	
D.T. 075N 3	140	Nil	9	
D.T. 075N 4	30	Nil	35	
D.T. 075N 5 VEIN	1800	1.1	308	
D.T. 075N 6	520	0.3	21	
D.T. 075N 7	30	Nil	9	
D.T. 075N 8	70	Nil	13	
D.T. 075N 9	160	0.2	36	

Per G. Lebel-Manager /rl

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SWAJTIKA LABORATC. (IES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1TO TELEPHONE: (705) 642-3244 ANALYTICAL CHEMISTS

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CONSULTANTS

ertificate No.	70053	Certificate of A	ualysis	Page3	
SAMPLE NO	•	GOLD	SILVER	COPPER	
D.I. 0805		n r D	FFM	PPM	
D.T. 0905		20			
D.T. 1005		20			
D.T. 1105		200			
D T 100		100			
D.1. 1205		100		44 Gz. gz.	
D.T. 1305		200			
D.T. 140S		330/340			
D.T. 1505	·	240			
D.T. 1605		20			
D.T. 1705		Nil			
D.T. 205N		Nil			
D.T. 215N		Nil			
D.T. 225N		Nil	· .		
D.T. 235N		Nil			
D.T. 245N		Nil			
D.T. 255N		Nil		** ** ==	
D.T. 265N		Nil	·		
D.T. 275N		. Nil		***	
D.T. 285N		Nil			
D.T. 295N		Nil			
D.T. 305N		Nil		***	
D.T. 315N		Nil		***	
D.T. 325N		Nil			
N2V-001E		10	0.4		
N2V-002E		270	2.6		
N2V-003E		100	0.6		
			~ • • •		

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G. Lebel-Manager/r]

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SWA_TIKA LABORATC. HES LIMITED

P.O. BOX 10, SWARTIKA, ONTAILO POK 110 TELEPHONE: (706) 042-3244 ANALYTICAL CHEMISTS • ASSAYTIS • CONSULTANTS

Pag

Certificate No. 70053

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Certificate of Analysis

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPN	
N2V-004E	.790			
N2V-005E	1030/750	0.5	***	
N2V-010F	10307750	0.4		
	NII	-		
	Nil			
NZV-USUE	Nil			
NX-UUSW	. Nil			
NX-015W	Nil			
NX-020E	Nil	Nil	***	
NX-025W	Nil		14	
NX-025E	Nil			
NX-035W	Ni 1	***		
NX-035E	N 2 3		***	
	ITT.			

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ESTABLISHED 1928

G. Lebel-Manager/rl

	wertunale.	ol Analysis	
Certificate No. 70053		Date: <u>Ma</u> ı	<u>sch 2, 1988</u>
Received February 19, 198	8 <u>83</u> San	nples of <u>Rock</u>	· · · · · · · · · · · · · · · · · · ·
Submitted by <u>Can Mac Exc</u>	loration Division. Ba	nrry's Bay, Ontario	
		Paga	one of four
		raye	
SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM
125-0155	Nil		
125-020S	Nil		***
125-0255	Nil/Nil		
125-0355	Nil		
125-0455	Nil	- *	
125-1505	Nil		
125-160S	Nil		
125-1705	Nil		
125-1805	Nil		
125-1905	Nil	~	
125-2005	N5 1		
125-2105	' Nil		We all \$4
125-2205	Nil		
125-2405	Nil		
125-2505	Nil		
125-2605	Nil		****
225-0205	Nil Y		
225-0305	20/Nil	****	
225-0405	Nil	** == **	
225-0505	Nil	***	***
225-0605	Nil		A A / /

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SWA_TIKA LABORATC. NES LIMITED

P.O. HOX 10, BWARTIKA, ONTARIO POK 1TO TELEPHONE (706) 642-3244 ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate No. 70053	Certificate of Au	alysis	Page2
SAMPLE NO. ,	GOLD PPB	SILVER PPM	COPPER PPM
225-070S	Nil		
375-130S	Nil		
D.T. 0105	10		*==
D.T. 0205	NII	· · · ·	****
D.T. 0305	NEL		fill dan das
D.T. 0405	10	din kapaga	*==
D.T. 0505			***
D. T. 060S	NII		
D. I. 060N 1	N11		
D. T. 060N 2	140	Nil	49
D. T. 060N 3	790	0.2	38
	60	Nil	38
Second Pulp	14400/14260 16800/15430	. 3.0	613
D.T. 060N 5 Second Pulp	52460/49440 50400/50470	8.4	2930 .
D.T. 060N 6	30	Nil	11
D.T. 0705	Nil		11
D.T. 075N 1	20	Nil	 0
D.T. 075N 2	430	0.4	7
D.T. 075N 3	140	Ni 1	87
D.T. 075N 4	30	Ni 1	7
D.T. 075N 5 VEINO	1800	1 1	<i>JJ</i>
D.T. 075N 6	520	03	200
D.T. 075N 7	30	0.2 Ni 1	21
D.T. 075N 8	70	Ni 1	y 47
D.T. 075N 9	160	0.2	12

Per G. Lebel-Manager /rl

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SWAJTIKA LABORATC. (IES LIMITED P.O. BOX 10, SWASTIKA, ONTARIO POK 1TO TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS . ASSAYERS . CONSULTANTS

Certificate No	70053	Certificate of A	nalysis	Page3
SAMPLE NO	•	GOLD PPB	SILVER PPM	COPPER PPM
D.T. 0805		Nil		
D.T. 0905		20		
D.T. 1005		300		***
D.T. 1105		100		
D.T. 1205		100	***	
D.T. 1305		200		
D.T. 1405		330/340	·	
D.T. 150S		240	•• === .	
D.T. 1605		20	4 800 800 800	
D.T. 1705		Nil	400 GD (pa	
D.T. 205N		Nil	* = *	
D.T. 215N		Nil		
D.T. 225N		Nil		
D.T. 235N		Nil		
D.T. 245N		Nil		*
D.T. 255N		Nil		
D.T. 265N		Nil		
D.T. 275N		' Nil		
D.T. 285N		Nil	÷ = =	
D.T. 295N		. Nil		
D.T. 305N		Nil	** ** **	
D.T. 315N		Nil		
D.T. 325N		Nil		
N2V-001E		10	0.4	
N2V-002E		270	2.6	
N2V-003E		100	0.6	

Per

G. Lebel-Manager/r

SWAJTIKA LABORATC. IES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Ulicate No. 70053	Certificate of Ar	Page4		
SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPN	
N2V-004E	.790	0.5		
N2V-005E	1030/750	D.4		
N2V-010E	Nil			
N2V-020E	Nil			
N2V-030E	N1]		lini dan ga,	
NX-005W ·	. Nil			
NX-015W	Nil			
NX-020E	Nil	Nil	14	
NX-025W	Nil			
NX-025E	Nil	****	****	
NX-035W	Nil		***	
NX-035E	Nil			

81

Per

G. Lebel-Manager/rl

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No	70054			Date:	March 1, 19	88	
Received Feb	o. 19, 1988	51	Samples of _	Rock			
Submitted by _	Can Mac Expl	oration Ltd., Ba	rry's Bay,	Ontario	•		<u></u>
SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	, 	SAMPLE NO.	GOLD PPB	
NX-045E	NII	NX-145E	Ni l	•	SX-095E	20	
NX-045W	20	NX-155E	Nil		SX-100W	20	
NX-055E	Nil	SX-005W	Nil :		SX-105E	NI1	
NX-055W	NI I	SX-010W	20		SX-115E	Ni I	
NX-065W	Ni l	SX-015E	110/100		SX-125E	Ni 1	
NX-065E	Ni l	SX-020E	40	•	SX-135E	30	
NX-075W	40/Nil	SX-020W	Ni 1		SX-145E	Ní l	
NX-075E	30	SX-025E	Nil		SX-145W	10	
NX-085E	NI 1	SX-030W	Nil		SX-155E	Nil	
NX-085W	Nil	SX-035E	Ni 1		125-2305	Nil	
NX-095E	Nil	SX-040W	30				
NX-095W	Nil	\$X-045E	10				
NX-105E	NI1	SX-050W	NIL				
• NX-105W	30	SX-055E	NI1				
NX-115E	Ni l	SX-069E	20				
NX-115W	30	SX-060W	Nil				
NX-125E	Ni l	SX-070W	Nil				
NX-125W	650/900	SX-075E	50 /20			•	
NY 1255	, ·	SX-080W	Ni I				
NY 1354	20	SX-085E	Nil				
NV-199M	20	SX-090W	20				

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Per

G. Lebel - Manager /ns



P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

ertificate No	70247			Date:	March 15, 1988	· · · · · · · · · · · · · · · · · · ·
eceived Marc	ch 3, 1988	45	Samples of	Rock		
ubmitted by	<u>Can Mac Exploration</u>	on Ltd., Ba	rry's Bay, C	ntario.		
	Proj. #Swayze					
	SAMPLE NO.	GOLD PPB	SILVE	R	COPPER PPM	
	DT-120-N1	Nil	Ni1		9	
•	DT-150-N1	Nil	Nil		10	
	DT-165-N1	Nil	Nil		7	
	DT-180-N1	100/110	NII ·	•	11	
	DT-195-N1	Nil	Nil		14	
	DT-120-N2	Nil	Nil		7	
	DT-150-N2	NI 1	Nil		7	
	DT-165-N2	20	Nil		8	
	DT-180-N2	30	Nil		23	
	DT-195-N2	Nil	Nil		12	
	DT-120-N3	10	Nil		20	
	DT-150-N3	10	Nil		15	
	DT-165-N3	Niľ	Nil		13	
	DT-180-N3	Nil	Ni l		12	
	DT-195-N3	10	Nil		10	
	DT-120-N4	100/100	Nil		52	
	DT-150-N4	Ni l	Ni l	·	15	
	DT-165-N4	Nil	Nil		7	
	DT-180-N4	Nil	Nil:		40	
	DT-195-N4	Nil	Ni 1	•	16	
1	DT-150-N5	30	Nil		37	
	DT-165-N5	Nil	Nil		8	
1	DT-180-N5	40/40	Ni 1		56 /	011
l		Con't	•		4 cm	
· .				Per	1º 4	w
					G. Lebel -	Manager /ns
Caraban Turing Annualan		ESTA	BLISHED 192	8		r

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

ertificate No. 70247

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Certificate of Analysis

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM
DT-195-N5	Ni l	Ni 1	14
DT-165-N6	Ni l	Ni 1	6
DT-180-N6	Ni l	Ni 1	16
DT-195-N6	Nil	Ni1	28
DT-195-N7	Nil	Nil	18
DT-195-N8	Nil	Nil	54
DT-195-N9	20	Ni 1	15
DT-195-N10	Nil	Ni1	9
075-005N	Ni l		
075-016N	Nil	التو ييف نيد	
075-025N	20	***	
075-030N	Nil		
075-034N	100		
075-0035	Nil		
075-004S	160/120		
075-0115	70		
075-041S	20		
075-0485	Nil		
075-0585	Nil		
075-0675	Nil		
075-0725	Ni l		
075-000	40		

Per

G. Lebel - Manager



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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No.	70174		_ Date:	March 9, 19	988
Received Fe	b. 27, 1988	69	Samples of Rock		Ministra and a substantion of a substantia substantia
Submitted by	Can Mac Explora	tion Ltd., Ba	arry's Bay, Ontario.		
	Proj. #Swayze				Page 1 of 3.
	SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	
	075-103N	10	075-485N	NI 1	
	108N	Nil	510N	Ni l	
	117N	Nil	520N	Nil	
	127N	Nil	530N	Nil	
	136N	Nil	540N	Ni l	
	147N	Nil	550N	30/10	
	156N	Nil	560N	Nil	. '
	167N	Nil	570N	Nil	
	177N	Nil	580N	10	
	185N	Níl	590N	Nil	
	193N	10	600N	Nil	
	204N	10	610N	Nil	
,	214N	Nil	620N	Ni I	
	222N	40/60	625N	30	
	232N	Nil	630N	10	
	465N	Nil	665N	Nil	
	475N	Nil	675N	Níl	
			685N	Ni l	
			Con't.		

Per

G. Lebel - Manager /ns

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Certificate No.

State.

70174

SWASTIKA LABORATORIES LIMITED

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P.O. BOX 10, 8WA8TIKA, ONTARIO POK 1TO TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

/01/4	Certificate	of Analysis	Page
SAMPLE NO.	GOLD PPB	SILVER	COPPER PPM
M2V-001E	30	NI 1	33
002E	270/280	0.6	
003E	160	0.2	
004E	60	Nil	T T T
005E	60	0.3	
S2V-005N	300	0.3	
000 *	50	Nil	****
001E	NI 1	0.3	
003E	Nil	N11	
M2V-000	200/180	0.7	
003W	Ni l	N11	
375-0135	Nil		
0195	Nil		
0315	Nil		
0375	Nil	****	
0385	10		
0405	Nil		
0445	, 50		
050S	380/490		
0605	30		

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Per

G. Lebel - Manager

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SWASTIKA LIMITED

P. D. BOX 10, BWASTIKA, ONTAMIO POR 110 TELEPHONEL (700) 049 8844 FAXI (700) 848 8000 ANAYLIGAL OHEMISTE + ANRAYENS + CONSULTANTE

7	0	1	7	1	
	7	70	701	7017	70174

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Certificate of Analysis

-3-Page

SAMPLE NO:	GOLD PPB	SILVER PPM
375-0705	NI 1	
080S	10	* * *
0905	Nil	
0945	Nil	
1005	Ní l	
1105	Nil	
1165	Nil	
1205	Nil	
1305	Nil.	
S2V-001W	750/1130	1.7
002W	880/880	1.9
003W	140	Ni l
004W	480	0.2
005W	Nil	Nil

NOTE: The tag was partially destroyed for Sample #000

Per G. Lebel - Manager

SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

ertificate No	70053	- A		Date:	April 5, 19	88	
eceived <u>Feb</u>	. 19, 1988	3	Samples o	f Rock			
ubmitted by	<u>Can Mac Ex</u>	ploration Lt	d., Barry's Bay	y, Ontario.	*******		
		"Semi-Quanti	itative Multi-E	lement Analy	sis"		
SAMPLE NO.	: DT-060N2	DT-060N4	DT-060N5	SAMPLE NO.	:DT-060N2	DT-060N4	DT-060N5
Silver	<0.001	<0.001	<0.001	Thorism	v <0.001	<0.001	<0.001
Arsenic	, 0.01	<0.001	<0.001	Uranium	# 0 01	.0.01	.0.01
Boron	" 0.1	0.02	0.02	Variadium	<0.01 ₩ 0.001	<0.01	<0.01
Barium	0.07	0.03	0.05	lucouture	♣ 0.001	<0.001	<0.001
Berillium	× <0.001	<0.001	<0.001	Veter	≈<0.001	<0.001	<0.001
Bismuth	0.01	<0.001	<0.001	7:00	≈<0.001	<0.001	<0.001
Cadma um	 × <0.001	<0.001	<0.001	21110	a 0.007	0.005	0.007
Cerium	~ v <0.001	<0.001	<0.001	ZIFCONIUM	₩<0.001	<0.001	<0.001
Pobalt	. <0.001	<0.001	<0.001	A12 ⁰ 3	\$12.9	5.4	8.4
Chromium	* 0.05	0.1	0.1	^{Fe} 2 ⁰ 3	% 3.9	2.5	2.8
Copper	₩ 0.005	0.06	0.3	CaO	% 2.3	1.5	1.7
Mercury	₩ <0.01	<0.01	<0.01	MyD	% 1.4	0.76	1.03
Lunthanum	₩ <0.001	<0.001	<0.001	Na ₂ 0	\$ 5.6	2.1	4.1
Mutybdenum	ö. 006	<0.001	<0.001	K D	2 3 1	13	23
Niobium	* <0.001	<0.001	<0.001	2	~ 5.1	1.5	2,5
Nickel	% 0.005	0.007	0.006	1102	₩ 0.2	0.1	0.1
Lead	[™] <0.001	<0.001	<0.001	Mriû -	% 0.04	0.04	0.05
Sulphur	* 2.4	2.5	1.9	P205	₩ 0.43	0.35	0.27
Antamony	[%] <0.001	<0.001	<0.001	101	* 2 20	1 70	. 2 00
Selenium	[%] <0.001	<0.001	<0.001		* 3.39	1.70	2.09
lin	* <0.001	<0.001	<0.001	NOTE: Slig	ht chrowium	contaminat	100
Strontium	* 0.02	0.01	0.02	pulv Duk	lo use of h Brizer dial	es.	Slee1
letturium	* <0.001	<0.001	<0.001	•	Λ	ρ_{I}	1.

G. Lebel - Manager /ns

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SWASTIKA LABORATORIES **IITED**

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS . ASSAYERS . CONSULTANTS

Certificate of Analysis

Certificate N	o	6984	8 - A	г	Data. M	arch 1, 1988	l
Received	Feb	. 10, 1988	2	Samples of	Rock		
Submitted by	'	Can Mac	Exploration Ltd.,	Barry's Bay, C	Ontari	0.	
			<u>"Semi-Quantitative</u>	Multi-Element	A= - 1		
SAMPLE N	0.:	D+045NV	D+045NC1	SAMPI	E NO	. D+045NV	D+045NC1
Silver	ų,	<0.001	<0.001		<u>L 110.</u>		51045801
Arsenic	0, /0	<0.001	<0.001	Ihori		<0.001	<0.001
Boron	ý,	<0.001	<0.001	Urani	եմի գ	<0.001	<0.001
Barium	0, 10	0.04	0.04	vanad.	າດພູສີ	0.007	0.01
Berillium	ů,	<0.001	<0.001	iungsi Veesi	ten 🕺	<0.001	0.004
Bismuth	0- -0	<0.001	<0.001	7:00	uni 🥞	<0.001	<0.001
Cadmium	ŝ	<0.001	<0.001	21 <u>0</u> 0	1	0.003	0.006
Cerium	0 19	0.01	0.01	21100		0.007	0.01
Cobalt	0. 19	<0.001	<0.001	A12 ^U 3	0/ /0	2.6	8.9
Chromium	۵, ۱۹	0.05	0.1	د Fe ₂ 0		4.9	1.7
Copper	<u>, i</u>	0.4	0.1	CaO			• • /
Mercury	¥0	<0.01	. <0.01	MgD		140	0.3
Lanthanum	<u>ن</u> ، ۵	<0.001	<0.001	Na _p 0	برب د. ا	0.2	1.3
Molybdenum	9. 19	<0.001	<0.001	Z	••	1.1	3.7
Niobium	0, 10	<0.001	<0.001	^k 2 ^U	*	0.4	1.2
Nickel	0' '0	0.01	0.005	TiQ2	e e	0.05	0.1
Lead	0. /0	0.01	0.01	- MnO	س	0.01	. 0. 02
Sulphur	10 10	1.8	0.9	P_0.	/9 0/	-	0.03
Antimony	0. 19	<0.001	<0.001	2~5	10	0.2	0.2
Selenium	9ċ	0.005	0.01	LOI	5	1.45	2.25
lin		<0.001	<0.001	NOTE: SI	ioht c		
Strontium	ž	0.01	0.005	du	e to i	ise of hard o	composition Chrome steel

due to use of hard chrome steel pulverizer plates.

Per

G. Lebel - Manager /ns

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P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS + ASSAYERS + CONSULTANTS

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Certificate of Analysis

Certificate N	o		7005	4					Date: _	March 1, 1988
Received	Feb.	19,	198	8		51	Sample	of _	Rock	
Submitted by	У	Can	Mac	Exploi	ration	Ltd.,	Barry's	Bay,	Ontario.	•

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	
NX-045E	N11	NX-145E	Ni l	SX-095E	20	
NX-045W	20	NX-155E	Nil	SX-100W	20	
NX-055E	NII	SX-005W	Nil :;	SX-105E	Nil	
NX-055W	Nil	SX-010W	20	SX-115E	NII	
NX-065W	Níl	SX-015E	110/100	SX-125E	Nil	
NX-065E	Nil	SX-020E	40	SX-135E	30	
NX-075W	40/Ni1	SX-020W	Nil	SX-145E	NII	
NX-075E	30	SX-025E	Ni 1	SX-145W	10	
NX-085E	Nil	SX-030W	Ni1	SX-155E	, Nil	
NX-085W	Nil	SX-035E	NI I	125-2305	Nil	
NX-095E	Nil	SX-040W	30			
NX-095W	NI 1	SX-045E	10			
NX-105E	NI 1	SX-050W	NII			
- NX-105W	30	SX-055E	NII			
NX-115E	NII	SX-069E	20			
NX-115W	30	SX-060W	Nil			
NX-125E	NI 1	SX-070W	NI1			
NX-125W	650/900	SX-075E	50/20			
NY 1255	NH 7	SX-080W	NII			
NY. 1350	20	SX-085E	Ní l			·
I INA-135W	20	SX-090W	20			

Per G. Lebel - Manager /ns



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No.	70247			Date:	March 15, 1988
Received M	arch 3, 1988	45	Samples of	Rock	
Submitted by	<u>Can Mac Explorati</u>	ion Ltd., Ba	rry's Bay, O	ntario.	
	Proj. #Swayze				
	SAMPLE NO.	GOLD PPB	SILVE PPM	R	COPPER PPM
	DT-120-N1	Nil	Nil		9
•	DT-150-N1	Nil	Ni 1		10
	DT-165-N1	Nil	Ni l		7
	DT-180-N1	100/110	Nil '	•	11
	DT-195-N1	Nil	Nil		14
	, DT-120-N2	Nil	Nil		. 7
	DT-150-N2	Ni l	Nil		7
	DT-165-N2	20	Ni l		8
	DT-180-N2	30	Nil		23
	DT-195-N2	Ni l	Nil		12
	DT-120-N3	10	Ni l		20
	DT-150-N3	10	Nil	•	15
	DT-165-N3	'Nil	Ni l		13
	DT-180-N3	Ni1	Ni l		12
	DT-195-N3	10	Nil		10
	DT-120-N4	100/100	Ní l		52
	DT-150-N4	Ni l	Ni l	·	15
•	DT-165-N4	Nil	Ni l		7
ļ	DT-180-N4	Nil	Nil :		· 40
	DT-195-N4	Ni l	Ni l	•	16
	DT-150-N5	30	Ni 1		37
	DT-165-N5	Ni l	Nil		8
	DT-180-N5	40/40	Ni1		56 1 011
		Con't	••		4.4.1
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SWASTIKA LABORATORIES LIMITED

PO DON 10, BWARTHA, OFFADIE FOR HO TELEPHONE (708) 848 8944 PAR (708) 848 9300 ANAVI HOAL OFFMINTS - ARRAYERS - OCHOULTANTS

Ørtificate	nt Analysis	6
GOLD PPB	SILVER PPM	COPPER PPM
Nil	Nil	14
Nil	Níl	6
Ni l	Nil	16
Nil	Nil	28
Nil	Nil	18
Nil	Nil	54
20	NI 1	15
Ní l	Nil	9
Ni l		
Ni l		
20		
Ni l		
100	~ ~ ~	
Nil		
160/120	* = *	
70		
20		* = =
Nil		
Nil		***
Ni l		
Ni1.		
40		
	GOLD PPB Ni1 Ni1 Ni1 Ni1 Ni1 Ni1 Ni1 Ni1	COLD SILVER PPB SILVER Ni1 Ni1 Ni1 <tr td="" tr<=""></tr>

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Per

G. Lebel - Manager



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SWASTIKA LABORATORIES LIMITED

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P.O. BOX 10, BWARTIKA, ONTANIO POK ITO TPLIPHONE: (700) 049-3944 PARI (700) 049 0500 ANAYLTICAL OHEMIRTE + ARRAYENE + CONBULTANTE

Gartificata No. 20124

· ·	Ørrlificate	of Analysis	Peg
SAMPLE NO.	GOLD PPA	SILVER	COPPER
M2V-001E	30	777M N (1	PPM
002E	270/280	0.6	33
003E	160	0.2	
004E	60	N 1	
005E	60	0.3	يون بين الله
S2V-005N	300	0.3	44 AN \$6
000 *	50	NEI	
001E	Nil	0.3	
003E	Nil	Nil	***
M2V-000	200/180	0.7	
003W	Nil	Ni I	
375-0135	Nil		
0195	Nil		
0315	Nil		
037 S	Nil		
0385	10		
040S	10 Nil		
0445	50	••••	
0505	, 50	***	
0605	2007430		
0003	50	*	÷ = _

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Per G. Lebel - Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, BWASTIKA, ONTAHIO POK 110 TELEPHONE (708) 642-8244 PAXI (708) 642-8300 ANAYLIIOAL OHEMIBTE + ABBAYEAR + OONBULTANTE

Oertificate of Analysis

adder reacta

	• •							
Certificate No.	70174		a - Marcelanda	Date:	March 9, 19	88		
Received Fe	b. 27, 1988	69	Samples of	Rock				
Submitted by	Can Mac Explorat	ion Ltd.,	Barry's Bay,	Ontario.				
	Proj. #Swayze					Page 1 of 3.		
•	SAMPLE NO.	GOLD PPB	Si	AMPLE NO.	GOLD PPB			
	075-103N	10	0	75-485N	Ni l			
	108N	Nil		510N	Nil			
	117N	Ni l		520N	Nil			
	127N	Nil		530N	Ni I			
	136N	Nil		540N	Ni l			
	147N	Nil		550N	30/10			
	156N	Nil		560N	Ni l			
	167N	Nil		570N	Ni l			
	177N	Nil		580N	10			
	185N	Nil		590N	Nil			
	193N	10		600N	Nil			
	204N	10		610N	Níl			
7	214N	Nil		620N	Ní 1			
	222N	40/60		625N	30			
	232N	Nil	,	630N	10			
	465N	Ni 1		665N	Ni l	1		
	475N	Nil		675N	Ni l			
				685N	Ni l			
				Con't.	•••			

Per

G. Lebel - Manager /ns



P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate_No. 70174

there is

Certificate of Analysis

-3-

SAMPLE NO:	GOLD PPB	SILVER PPM
375-0705	Nil	
080S	10	
090S	Níl	
094S	Níl	** ** **
1005	Nil	
1105	Nil	
116S	Nil	
1205	Nil	
1305	Nil	
S2V-001W	750/1130	1.7
002W	880/880	1.9
003W	140	Ni l
004W	480	0.2
005W	Ní l	Nil

NOTE: The tag was partially destroyed for Sample #000

1

Per G. Lebel - Manager

P.O. BOX 10, 8WABTIKA, ONTANIO POK 110 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No.		69848	- A		Date: _	lar	ch 1, 1988	
Received Fe	b.	10, 1988	2	Samples of	Rock			
Submitted by		Can Mac E	xploration Ltd.,	Barry's Bay,	Ontari	lo.	. <u></u>	· · ·
		"S	emi-Quantitative	Multi-Elemen	t Analy	vsi.	s.!!	
SAMPLE NO.	. :	D+045NV	D+045NC	l sam	PLE NO	. :	D+045NV	D+045NC1
Silver .	u: •	<0.001	<0.001	Tho	riuma		<0.001	<0.001
Arsenic	2	<0.001	<0.001	Ura	ດ່ມຫ	٠. ۲	-0.001	-0.001
Boron	ů,	<0.001	<0.001	Van	adium	ло 0/	<0.001	<0,001
Barium	, , , 0	0.04	0.04	luo	osten		0.007	0.01
Berillium	5, 10	<0.001	<0.001	Vtt	Pium	70 87	<0.001	0.004
Bismuth	6, 19	<0.001	<0.001	710		49 Dr	<0.001	<0.001
Cadmium	¥,	<0.001	<0.001	. 210		7 0	0.003	0.006
Cerium	0	0.01	0.01	211	CONTAN		0.007	0.01
Cohalt	ли 0:{	<0.001	<0.001	A12	^U 3	18	2.6	8.9
Chromium	40 40	0.05	0.1	Fė ₂	` ر	Ş	4.9	1.7
Copper	L. 10	0.4	0.1	ÇaQ		ä	1-0	0.3
Mercury	2	<0.01	, <0.01	MgO	۰.	ș.	0.2	1.3
Lanthanum	ن. 10	<0.001	<0.001	Na ₂	0	ы. 1	1.1	3.7
Molybdenum	, 10	<0.001	<0.001	K_0		<u>ي</u>		
Niobium	°,	<0.001	<0.001			~	0.4	1.2
Nickel	U/ /0	0.01	0.005	TiÇ	2	96	0.05	0.1
Lead	0., , 0	0.01	0.01	MnC	1	şç	0.01	• 0.03
Sulphur	u . 0	1.8	0.9	P20	5	0, 19	0.2	0.2
Antimony	0. 70	<0.001	<0.001	- 	-	U /	1 40	
Selenium	ů,	0.005	0.01	201		70	1.45	2.25
lin		<0.001	<0.001	NOTE:	Sligh	t c	chromium co	intamin ation
Strontium	é	0.01	0.005		due t •pulve	O L riz	ise of hard	i chrome steel
lellurium	¥	<0.001	<0.001		F		1	

Per_J. hby

G. Lebel - Manager /ns



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SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

Certificate No.	70053	- A		Date:	April 5, 19	988	;
Received Feb	. 19, 1988	3	Sample	s of <u>Rock</u>	· · · · · · · · · · · · · · · · · · ·		
Submitted by	Can Mac Ex	ploration Lt	d., Barry's	Bay, Ontario.			
		"Semi-Quanti	tative Multi	-Element Analy	sis"		
SAMPLE NO.	: DT-060N2	DT-060N4	DT-060N5	SAMPLE NO.	:DT-060N2	DT-060N4	DT-060N5
Silver	🙀 <0.001	<0.001	<0.001	Thorium	<u><0.001</u>	<0.001	<0.001
Arsenie	% 0.01	<0.001	<0.001	Uranium	¥ 0 01	0.01	0.01
Boron	<u> </u>	0.02	0.02	Vapadium	•<0.01	<0.01	<0.01
Barian	0.07	0.03	0.05	tanautun Lunputun	➤ 0.001	<0.001	<0.001
Berillium	× <0.001	<0.001	<0.001	Vites	≫<0.001	<0.001	<0.001
Bismuth	0.01	<0.001	<0.001	Teerson .	≈<0.001	<0.001	<0.001
Cackin Luni	<u>v</u> <0.001	<0.001	<0.001	2100	\$ 0.007	0.005	0.007
Cerium		<0.001	<0.001		≈<0.00 1	<0.001	<0.001
Cobalt	~ •: <0.001	<0.001	<0.001	A12 ^U 3	* 12.9	5.4	8.4
Chromium	* 0.05	0.1	0.1	۲e ₂ 03	% 3.9	2.5	2.8
Copper	₩ 0.005	0.06	0.3	CaO	* 2.3	1.5	1.7
Mercury	₩ <0.01	<0.01	<0.01	MgQ	% 1.4	0.76	1.03
Lunthanum	₩ <0.001	<0.001	<0.001	NajD	5. 6	2.1	4.1
Nolybdenum	% 0.006	<0.001	<0.001	к.0	* 2 1	1.2	• • •
Niobium	[%] <0.001	<0.001	<0.001	2	~ 3.1	1.5	2.5
Nickel	% 0.005	0.007	0.006	1102	0.2	0.1	0.1
Lead	[%] <0.001	<0.001	<0.001	Mrs0	% 0.04	0.04	0.05
Sulphur	% 2.4	2.5	1.9	P205	≈ 0.43	0.35	0.27
Ant mony	* <0.001	<0.001	<0.001	LDI	5 2 20	1 70	2.00
Selenium	% <0.001	<0.001	<0.001		• 3.39	1./0	2.09
lin	* <0.001	<0.001	<0.001	NOTE: Sligh	t chromium	contaminata	un.
Strontium	% 0.02	0.01	0.02	pulve	u use of h rizer diali	ard chrowe : 8.	ilee]
lellurium	₩ <0.001	<0.001	<0.001		Λ	DI M	1

· Per

G. Lebel - Manager /ns



P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No	o	7017	4 - A				Date	April 5,	1988	
Received F	eb.	27,	1988	2	Samj	ples of	Roci	٢		
Submitted by	, Can	Mac	Exploration	Ltd.,	Barry's	Bay,	Ontario	•	Proj.	#Swayze

"Semi-Quantitative Multi-Element Analysis"										
SAMPLE NO.	:	\$2V-001W	S2V-002W	SAMPLE NO.	:	S2V-001W	S2V-002W			
Silver 🖓	é	<0.001	<0.001	Thorium	ž	<0.001	<0.001			
Arsenic 🤋	,	0.01	<0.001	Uranium y		<0.01	<0.01			
Boron g		0.01	0.01	Variadium	• •:	<0.001	<0.001			
Barium	•	0.1	0.1	lunosten	e K	<0.001	<0.001			
Berillium 9		<0.001	<0.001	Yttrium	~ 2	<0.001	<0.001			
Bismuth 9		0.01	<0.001	Zine	~	0.01	0.01			
Cadmium		0.001	<0.001	Zironium	2	<0.001	<0.001			
Cerium	•9	<0.001	<0.001	Al.O.	2	2.9	2.9			
Cobalt	0. • 9	<0.001	<0.001	2-3		 	0.0			
Chromium	, . 10	0.1	0.2	t ^e 2 ^U 3	*	2.1	2.0			
Copper	, 2	0.009	0.01	CaO	ä	1.8	1.8			
Mercury	u. 19	<0.01	, <0.01	MgÜ	%	1.0	1.0			
Lanthanum	0- /0	<0.001	<0.001	Na ₂ 0	ž	1.6	1.5			
Molybdenum		0.002	<0.001	K_0	-	0.6	0.5			
Niobium		<0.001	<0.001	2						
Nickel	2	0.008	0.008	1102	*	0.06	0.08			
Leud	ц. 10	<0.001	<0.001	MnU	¥	0.03	0.03			
Sulphur	4. 10	1.7	1.9	P205	5	0.42	0.45			
Antimony	3. 70	<0.001	<0.001	L01	U.	2 48	2 50			
Selenium	*	<0.001	<0.001		A)	L.TU	2.50			
lin	₽. 7₿	<0.001	<0.001	NOIE: Slight	t	chromium con	tamination			
Strontium	ž	0.02	0.02	pulve:	ri.	ver plates.	curome [,] steel			

Per

G. Lebel - Manager /ns

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P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No.		70174 - A		Date: _	A	oril 5, 1988	}
Received Fe	b.	27, 1988	2 Samples of	Rock			
Submitted by	Can	Mac Explor	ation Ltd., Barry's Bay,	Ontario.		Proj.	#Swayze
,		"Se	<u>emi-Quantitative Multi-El</u>	ement Analy	نې	s ¹¹	
SAMPLE NO.	:	\$2V-001W	S2V-002W	SAMPLE NO.	. :	S2V-001W	S2V-002W
Silver ·	14 14	<0.001	<0.001	Thorium	*	<0.001	<0.001
Arsenic	, e	0.01	<0.001	Uranium	u,∕ ₽	<0.01	<0.01
Boron	0, ru	0.01	0.01	Vanadium	ž	<0.001	<0.001
Barium	0 10	0.1	0.1	lüngsten	8/ /0	<0.001	<0.001
Berillium	0/ /Q	<0.001	<0.001	Yttrium	2	<0.001	<0.001
Bismuth	6+ 70	0.01	<0.001	Zine	e,	0.01	0.01
Cadmaum	**	0.001	<0.001	Zirconium		<0.001	<0.001
Cerium	0, Q	<0.001	<0.001	Al ₂ 0,	ŝ	2.9	2.9
Cobalt	0' '0	<0.001	<0.001	ر <u>۲</u>		0.1	2.0
Chromium	u. 10	0.1	0.2	re2 ⁰ 3	-0	2.1	2.0
Copper	5. 19	0.009	0.01	CaO	ä	1.8	1.8
Mercury	19	<0.01	<0.01	MgQ	34 10	1.0	1.0
Lanthanum	3. 70	<0.001	<0.001	Na ₂ 0	ÿ,	1.6	1.5
Molybdenum	ц, 19	0.002	<0.001	K_0		0.6	0.5
Niobium	u, 10	<0.001	<0.001	2			
Nickel	9. 10	0.008	0.008	110 ₂	5	0.06	0.08
Lead	ц. Ц	<0.001	<0.001	MnO	ц; 19	0.03	· 0.03
Sulphur	10 · 0	1.7	1.9	P205	2	0.42	0.45
Antimony	0. 10	<0.001	<0.001			2 40	2 50
Selenium	U-	<0.001	<0.001	201	70	2.40	2.50
Lin	0, /0	<0.001	<0.001 N	OTE: Sligh	it i	chromium cor	ntamination
Strontium	0/ /A	0.02	0.02	due t	O i ri	use of hard	chrome steel
lellurium	1	<0.001	<0.001			hearnai	

Per

G. Lebel - Manager /ns



P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No	10	70054 - A		-	Date: _	April	5, 1988		
Received FeD.	19,	1988		Samples of	KOCI	<u> </u>			
Submitted by _	Car	<u>Mac Exploration</u>	on Ltd	Barry's Bay	. Ontari	0			
		"Semi-Qu	antitati	ve Multi-Ele	ement Ana	lysis"			
SAMPLE NO.	. :	NX-085W			SAMPLE N	0.:	NX-085W		
Silver	ä	<0.001			Thorium	ä	<0.001		
Arsenic	*	0.01			Uranium	ž	<0.01		
Boron	i.	0.09			Vanadium	¥	<0.001	• •	
Barium	ä	0.07			lungsten	*	<0.001		
Berillium	*	<0.001			Yttrium	li ∎	<0.001		
Bismuth	*	<0.001			Zine	2	0.01		
Cadmaum	÷.	<0.001			Zirconiu	u %	0.001		
Cerium	¥	<0.001			A1,0,	<u>.</u>	9.7		
Cobalt	07 7 8	<0.001	•		۲ J	b 4	A C		
Chromium	×	0.02			د 201	·	4.0		
Copper	<u></u>	0.002			CaO	ä	2.1		
Mercury	×	<0.01			MgO.	÷.	2.4		
Lanthanua	* .	<0.001			Nia 20	×	5.8		
Molybdenum	ä	0.005	•		K_0 .	S.	2.4		
Niobium	*	<0.001			-		0.2		
Nickel	×.	0.005			1102	4	•••		
Lead	67 70	<0.001			MnQ	×	0.08		
Sulphur		1.7			P205	ž	0.52		
Ant 11110ny	*	<0.001			L01	<u>6:</u>	3 58		
Selenium	j,	<0.001					3.00		
110	*	<0.001		N	DTE: Sli	ght ch	romium con	taminatio	nn ²
Strontium	*	0.02			. pul	to us Verize	e of nard		.ee1
lellurium	¥						A .		
-		,					'I D	1 1	

Per

G. Lebel - Manager /ns

SWA_TIKA LABORATC. NES LIMITED P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No.	70019		Date:	March 3,	1988
Received Feb	. 19, 1988	6 Samp	les of <u>Humus</u>	& Soil	
Submitted by	Can Mac Exploration L	td., Barry's	Bay, Ontario.		

	SAMPLE NO.	GOLD PPB	COPPER PPM
Honor	DT-100N#1	35/45	25
Soit	DT-100N#2	NII	10
Sõik	DT-045N#3	15	14
Soil	SX-050W#4	Nil	7
Hunes	DT-045N#5	450/360	17
HUMUS	SX-050W#6	5	18

Per

G. Lebel - Manager /ns

ESTABLISHED 1928

	, P.O TELI ANAYLTI	D. BOX 10, S EPHONE: (7(ICAL CHEMI	WASTIKA, ONTARIO POK 110 5) 642-3244 FAX: (705) 642-3300 6TS • ASSAYERS • CONSULTANTS	
	Certif	icate of	Analysis	
Certificate No. 70115 Received Feb. 27, 1988 Submitted by <u>Can Mac E</u>	2 xploration Ltd	Sample	Date: <u>March 3, 1988</u> of <u>Soil & Humus</u> Bay, Ontario.	
	SAMPLE NO.	GOLD	COPPER	
	Soil S2V-005N	Nil	21	

65/50

88

Humus S2V-005N

 ∇ .

Per. G. Lebel - Manager Ins

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SWACTIKA LABORATC RES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate No. 69367		Certific	ate of Analysis		Page	2 of 3
SAMPLE NO.	GOLD PPB	SILVER PP M	SAMPLE NO.	GOLD PPB	SILVER PPM	
1475-050N	Nil	Nil	1475-160N	Nil	Nil	
060N	Nil	Nil	160S	Nil	Nil	
070N	10/Ni1	0.8	170N	NI1/Ni1	NI I	
080N	Nil	0.2	180N	Nil	NII	
090N	Nil	Nil	190N	Nil	Níl	
100N	Nil	0.2	200N	Nil	NI1	
1005	Nil	Nil	210N	Nil	Nil	
105 <u>N</u>	Nil	Nil	220N	Nil	Ní l	
110N	Nil	Nil	230N	Nil	NI 1	
110	Nil	Nil	240N	Nil	Nil	
120N	10	0.2	250N	Nil	NI1	
1205	Nil	0.2	255N	Nil	Nil	
127N	NI1/10	Nil	270N	Nil	Nil	
130N	Nil	Nil·	280N	Nil	Nil -	,
1305	Nil	Nil	290N	Nil	Nil	
140N	Nil	0.2	300N	Nil	Nil	
1405	Nil	Nil	310N	10/Ni1	0.2	
142N	Ni 1	Nil	329N	Nil	Nil	. '
150N	Nil	Ni 1	331N	Nil	Nil	
1505	Nil	Nil	336N	Ni l	0.6	7

con't....

Per G. Lebel, Manager

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Pege 3 of 3

P.O. BOX 10, SWASTIKA, ONTARIO POK 1TO TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS + ASSAYERS + CONSULTANTS

etilicate No

Certificate of Analysis

SAMPLE NO.	GOLD PPB	SILVER PPM
1475-347N	Nil	Nil
354N	Nil	Nil
364N	Nil	Ni l
375N	Nil	Nil
1475-x	Níl	Nil
2700-0	Níl	
2700-090N	Nil	
2700-4255	Ni l	
2700-4655	Ni l	
3000-0255	Nil	
3100-2105	Nil/Nil	
3100-470N	Ni l	
3100-550N	Nil	
3100-665N	Nil	
3300-530N	Nil	
3300-650N	Ni l	
3300-560S	Nil	•
3300-8585	Nil	

NOTE: Platinum and Palladium results to follow.

Per

G. Lebel, Manager

ESTABLISHED 1928

9367

SWASTIKA LABORATOPIES LIMITED
P.O. BOX 10, SWASTIKA, ONTARIO POK 1TO
TELEPHONE: (705) 642-3244 FAX: (705) 642-3300
ANAYLTICAL CHEMISTS . ASSAYERS . CONSULTANTS
Aprificate of Analysis

icate No.	69367 - A			Date:	Jan. 4, 1988	
ved Dec	. 16, 1987	1	Samplek of	Ore		
itted by	Can Mac Explora	ition Ltd.,	Barry's Bay,	Ontario.		
	Proj. #Saxton					

SAMPLE NO.	PLATINUM PPB	PALLADIUM PPB
1475-255N	<20	<5

Per

G. Lebel - Manager /ns

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

mitted by _	Can Mac Explora	ation Ltd., Bar	rv's Bav.	Ontario		
	Proj. #None	Samples per	Robin F	Goad		
AMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD		SAMPLE NO.	GOLD
00-0	NII	1475-1705	NET		1477 4000	1.1.18
00 -0 75N	Ni1/10	1805	N11 N11		14/5-400N	Nil
80S	Nil	1905	Nil		410N	NII
855	Ni l	1955	NG 1		420N	Nil
1055	Nil	2250	1111 N 1 1		430N	Ni l
125N	Nil	2203	NE 1		440N	Nil
150S	Nil	2203	NI 1º		450N	Nil
175N	Nil	2303	N11		460N	Níl
1805	Nil	2405	N11/20		470N	Nil
220N	Nil	2505	N11		480N	Nil 3
2905	Nil	2555	Nil		490N .	Ni l
300N	Nil	2605	Níl		500N	Ní l
3005		2/55	Nil		510N	Ni1/10
515N		· 285S	Nil		520N	Nil
5255		2955	Nil		530N	Nil
520N		3055	20		535N	Nil
OSUN	10/N11	3155	Nil		1775-210N	Nil
0055	Nil	3255	Nil		* 2 2 0N	Nil
790N	Nil	3355	Nil		* 230N	Ni l
860N	NI 1	3455	Nil		240N	Ni 1
963S	Nil	390N	Nil		2501	10

Silver, platinum, and palladium results to follow.

y inis

Per G. Lebel - Manager /ns

SWASTIKA LABORATORIES LIMITED P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300

ANAYLTICAL CHEMISTS . ASSAYERS . CONSULTANTS

Certificate of Analysis

Certificate	No. 69409 - A	L	AND	Date: _	Jan. 13, 1988
Received_	Dec. 23, 1987	35	Samples of	Rock	
Submitted	by <u>Can Mac Expl</u>	oration Ltd.,	Barry's Bay,	Ontario	•

SAMPLE NO.	SILVER PPM	PLATINUM PPB	PALLADIUM PPB	SAMPLE NO.	SILVER PPM
800-5255		<20	12	1475-3455	Nil
1475-1705	Niļ			390N	Nil
1805	Nil			400N	Nil
1905	Ni l			410N	Nil
1955	Nil	** ** =*		420N	Nil
2255	Ni l			430N	Nil
2285	Nil			440N	Nil
230 S	Nil			450Ņ	Nil
240S	Nil			460N	Nil
2505	Nil		~= =	470N	Nil
2555	Nil	,		480N	Nil
2605	Nil			490N	Nil
2755	Nil			500N	Nil
2855	Nil			51 ON	Nil
2955	Nil		<u> </u>	520N	Nil
3055	Nil			530N	Nil
3155	Nil			535N	Nil
3255	Nil				
3355	Nil				

Per. G. Lebel - Manager /ns



C. ADDRESS

V cuter

SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

Certificate	No	69607	19 mm				Date: _	Feb. 1, 198	8	_
Received	Jar	1.25, 1988		109	Sar	nples of	Ore			
Submitted	by _	Can Mac Exp	loration	Ltd.,	Barry	's Bay,	Ontario.		Page 1 of 3.	
		ATTENTION:	R. Goad		Proj.	#Saxton				
SAMPLE	NO.	GOLD PPB		SAMPL	E NO.	GOLD PPB		PLATINUM PPB	PALLADIUM PPB	
1775-04	+00	30		1775-	200N	Nil-				
	10N	320/400			200S	30				
	20N	10			210N	Nil				
	30 S	10			2105	80/4	0		****	
	40S	10			2155	Nil				
	50 S	20			290N	Nil				
	55N	20			300N	Nil	•			
	60S	Ni l			310N	Nil				
	65N	Ni l			320N	Níl				
	70S	Ni l			330N	Nil				
	75N	Nil			340N	Ni l				
	80S	10	,		350N	Nil				
	85N	Ni I			355N	Nil				
r.	90S	Nil		2950-	-700S	Nil				
	95 S	Nil	,		710S	Nil			~ ~ = =	
]	00S	Ni l			720S	10/1	Ni 1	<30	5	
1	105	10/30			730S	Nil				
1	20S	Nil			740S	Ní l		30	15	
1	60N	Nil			750S	Nil		an ait in an		
1	70N	Ni]			760S	Nil				
1	80N	Nil			7705	Nil			Line of A	
1	90N	Nil			7805	Nil				
1	90S	Ni 1						Con't		

G.Lebel - Manager

Per .

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Certificate No.	69607	— (Ce	rtificate of	Analysis		Page		
SAMPLE NO.	GOLD PPB	PLATINUM PPB	PALLADIUM PPB	SAMPLE NO.	GOLD	PLATINUM	PALLADII	
2950-7905	Nil			3350-1205	` 20	РРВ	PPB	a) DECOMPOSITION
800S	10			125N	20 Ma 1			
8105	10			1300	NII			l
820S	Nil			1203	20			
830S	Ni l		****	1350	N11			
840S	Nil			1333	20/20			
850\$	10/Ni1			140N 165N	N11			
3350-0+00	Nil	<30	~5	NCCI	N11		****	I
3350-020N	Nil		~~~~	180N	Nil			
030N	Nil			TAON	Nil			i
040N	Nil			200N	NII		* * * * *	
050N	Nil			21UN	NII		***	
060N	Nil			2105	Nil			
060S	20/N11			220N	20			
0655	Nil			220S	Nil			
070N	Nil			230N	Nil/Nil	<30	<5	
0705	Ni)			2305	Nil			
0800	NTT .			235N	Nil		****	
2000	(VII) N/2 1		***	240N	Nil			
NORN	NII			240S	Nil			
1000	N11			250N	Nil			
1002	N1 I			2505	Nil			
IUSN	Níl	~~~~		260N	NI1			
1055	Nil			260S	Nil			
115N	Nil			270N	Nil			
1115S	Nil			270S	Ni l		900 ay 600 (g)	
				Con't	* * *			

Per. G. Lebel - Manager



P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0 TELEPHONE: (705) 642-3244 FAX: (705) 642-3300 ANAYLTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate No. 69607

Certificate of Analysis

GOLD PPB

Nil

Ni1

Nil

Nil

Ni1

Ni1

Nil

Nil

Ni1

Nil

Nil

Nil

Nil/Nil

SAMPLE NO.

3350-280N

280S

290N

290S

300N

300S

310N

310S

320N

320S

330N

330S

340N

Page ______

March 19

Per

G. Lebel - Manager

	(I prtificuta	nf &	loomin	
	Crimmair .	ui Ana	កើងព្រ	
			•	
Certificate No. 69848			Date: <u>Feb. 17, 19</u>	38
leceived Feb. 10, 1988	64San	nples of _	Rock	
ubmitted by <u>Can Mac Explorat</u>	tion Ltd., Barry'	s Bay, O	ntario.	
				Page 1 of 2
SAMPLE NO.	GOLD	SILVER	COPPER	
	PPB	PPM	PPM	
D+105-N1	230	0.2	8	
N2 VEIN	0. 350 VEIN	0.4	13	
N3 VEIN	1480 NEIN.	0.3	32	
N4	Nil	Nil	20	
N5	Nil	Nil	38	
D+045-NV vein	8910 VEIN 0.282(02/ton)	4.0	1050	
1W-127 C	280	07		
	27020	75	3400	•
Second Pulp	0.85(0z/ton) 0.80/0.90	7.0	5450	
NC2	1500	0.3	. 29	
NC3	20	Nil	8	
NC4	420	0.4	38	
D+090-N1	790	0.2	45	
N2 VUN	2770/2330 VEN.	0.5	86	
N3	590	0.6	103	,
N4	80	Nil	29	
N5	Nil	Ni 1	18	
N6	50	Nil	6	
1775-090N	Nil			

2.5 CAR (1948 (34

1970 201 C

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G. Lebel - Manager /ns

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Pag

ETHER BURGER

No.

Cartificate No. 69848

Certificate of Analysis

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	SAMPLE NO.	GOLD
1775-016N	Nil			625-025N	rrd Nil
NX-069W	Ni l	Nil	11	036N	Nil
625-010S	Nil			150N	Ni 1
0205	Nil			163N	N 1
0305	Nil		*	171N	NTT
040S	Nil			1918	10/041
0505	Ni]			1011	10/N11
0605	N 2 1			190N	NII
0003				200N	Nil
0705	Níl	400 and 240	* = =	210N	Nil
0805	Nil	*		220N	Ni l
0905	Nil/Nil			230N	Nil
1005	Nil			625-W-069N	Ni l
1105	Nil			070N	Nil
1205	Nil			085N	Nil
1305	Nil			093N	Nil
1405	Nil		** == =+	100N	Ni 1
1505	Ni l			110N	Nil
1605	Ni]			110N	Nil
1705	Nil	*		124 N	NT 1
1805	Nil			1241	NII 812 1
1905	Nil			IJUN	N11
625-2005	NI 1			140N	Nil/Nil
0051					
UUSN	N11				
015N	Nil				

Per

G. Lebel - Manager

Ministry of Northern Developme	Report DOCUMENT NO.						
Unlario AMENDMENI	T TO WOKK REPORTS						
KEC MUY ED/58 A	Mining A	A 10155F0043 63,4919 DORE	900				
CANMAC	BAGGJIG Exploration LTD	ن <i>ـــ</i> ا ا	515				
FIELD OFFIC	F: PO SOX [1] S ance and Distribution of Credits	KAKRYS BAY, ON K	OJ IBO				
Total Work Days Cr. claimed	Mining Claim Work	Mining Claim Work Mining	Claim Work				
3072	Prefix Number Days Cr. Pre	tix Number Days Cr. Prefix	Number Days Cr.				
work. (Check one only)	151. 932:054 et al	- See Scheldder A a	ttacked				
Manual Work		Swayze POIL MARE MANAGOW	1510N				
Shaft Sinking Drifting or	RECORDED		zin-1-1				
Compressed Air, other		Children Faller NIS	JUJ				
mechanical equip.	MAY_2.0_1988	FIB 20 1989					
Power Stripping	IAI LO NOU	R 25 9369	· ·				
Diamond or other Core		1-911,50 m	14				
Land Survey		CEIVED .					
All the work was performed o	n Mining Claim(s): SEE "SCHEJ	NULE B " ottached	i				
Required Information eq:	type of equipment. Names. Addresses, etc.	(See Table Below)					
Equipment + Sup	plus, Owner or	Occupier Date F	Tome a next 12 d				
Rock drill, compres.	sor, Loses Ready Renta	1 + (i) From Dar	1/07 h To ula				
	2505 Las alle	- Elrd	1787 63221182				
	Sudanay	······					
PC200 Komats	u Backhoe Lamoy Cont	truction 21 From: Jan 6	1 4 Jan 13/88				
15 3400 Backae Hagar, Ontanio From: Dec 14 6 Dec 20/88							
D7 Bulldozer From: Dec 14 18 Dec 20/85							
Exploder Boyes Explosines (td 3) From : Jan 1 & Jan 13/89							
Fuel: Purchased from Fold of Time of Suddaway							
Enplosines "	" Contraction of the second	La 15' Tax 7/801:					
or o							
DEDUCT: 2 days - for work, completed on claims and hold I							
Gter Auden Recourses.							
	, <u> </u>						
		Date of Report Recorded Hold	er or Agent (Signature)				
SEE ATTACHED	LIST OF EXPENDITURES	FEB 13, 1989 XIM	ULU				
Certification Verifying Rep	ort 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 P	arson Certifying		······································				
JOHN HILDER	RANDT	Date Certified I Certified by ISi	gnatura) /\ /				
PO BOX 388 BARRY'S BALL DAD FEB 13 1989 MULANIII () (A)							
Table of Information/Atta	chments Required by the Mining Recorder						
Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments				
Manual Work	••••						
Shaft Sinking, Drifting or other Lateral Work	Nil	Names and addresses of men who performed manual work/operated equipment, together	Work Sketch: these				
Compressed air, other power		with dates and hours of employment.	the location and				
driven or mechanical equip.	· · · · · · · · · · · · · · · · · · ·		relation to the				
Power Stripping	Type of equipment and amount expended, Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/structing					
Dramond or other core	Signed core tog showing, tootage, diameter of	dona.	Work Skitch Co.				

- SCHEDULE B -

WORK PERFORMED ON FOLLOWING MINING CLAIMS :-

P-	932 054'
	055
	058
	059
	062
	064
	065
	068
	069
	077
	078
	082
	· 084
	092
	/

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Ministry of Northern Developme	Report	W 890F	T No. 5・219	Instructions -	Supply req	uired data or ork to be re	a separate for corded (see ta	rm for each ble below).
Ontario A ALEAD ALEANT N	o Wart Reini	TS NEC'A.		- J	For Geo-ter of Work (G	chnical work u eological, Geo	use form no. 13 ophysical, Geoc	62 "Report hemical and
KINY 20/88, Aus. 4/88, Aus. 26/88 Mining Act SEE ATTACHED. Expenditures)".								
Name and Postal Address of Re	ecorded Holder					Prospector's L	.icence No. クィー	
CANMAC	EXPLORA	TION LT	<u>_D</u>		l	<u>, </u>	310	
FIELD OFFIC	E, PO	BOX 1118	BA	RRY'S BA	4	0N	KOJ I	BO
Summary of Work Performa	ance and Distribu	tion of Credits		Mining Claim		Alipio	To 1600	oT
4560	Prefix	Number Days C	r. Prefix	Number	Days Cr.	Prefix	Number	Days Cr.
for Performance of the followin	no P 86	6466 sta	J	See att	based	1'Sel	edue +	A ''
Manual Work				Swanze	+ I	es les		1
Shaft Sinking Drifting or	BEC	ORDED		Pot	CUPINE MIL	ING DIVISION		
other Lateral Work.					ICE I	MAN		-
Power driven or mechanical equin						550	J-1	
Power Stripping	MA	<u>-20 BHC</u>			FB DO	1090		
Diamond or other Core							ana an an ann an an ann an Ann an Ann an	·
					1200	NZOL	<u>[_]</u>	
	· · · · · · · · · · · · · · · · · · ·					BRORICI		
All the work was performed or	n Mining Claim(s):	See	" SCH	EDULE B"		APR 2.5	[64])	
Required Information eg:	type of equipmer	t, Names, Addresses	s, etc. (Se	ee Table Below)				
Equipment + Su	paties	Owner of Op	renator	<u> </u>	F 1	1-0-1-Aq	manient	Perd
Kock drill, compriss o	r, Losus	Ready Resta		$, \hat{\mathbf{m}}$	Fro	m: Jan	11 to Ja	~ 26/88
		2705 Losall Sudburn	e alva			•		
Compressor blow to	su proel	Surice P.	- h	\frown	r.	.	4	,
395 Commercialdy (2) Hom : tib 1 & March 2/88								
		Timine,						,
Suction hoce, sungo Kirkland Kertal From: Jan 22 to Feb 29/88								
		16 Kinkland	lst E	. (4)	From	- : Marci	c 1 to Har	121/85
D and Kinterry	Ballines	Canlan Com	ske t		E	. Tau	10 + "1	
PC 200 nomateur	y	Hang	to	· (3)	From	: Jan .:	15 6 CA	1/88
LS 3400 D00000		,	man		From	: Jan.	18 b Feb	19/98
D7 Rubance		Educt T		10.19 1	~ ~ ~	<i>T</i>L L L	19. 71	
Englosinis: "	" Porre	and Prista	mper	- Feb 15 h	Feb ah	(B)	13 Heb	27 Ro / Carel
Explade C		Boyes Endles	- Jan	~ 14(6)	- av	· FLB T	<u> </u>	29/88
		151 Lorie St	A	Date of Report	0.8.0	Recorded Ho	Ider or Agent (Signature)
SEE ATTACHED LIST Certification Verifying Ren	OF EXPENSES	pinolbury	<u> </u>	FEB 13, 1	484	-XUA	NUU	JA I
I hereby certify that I have	a personal and intin	hate knowledge of the	facts set fo	rth in the Report of W	lork annexe	d hereto, havi	ing performed 1	he work
or witnessed same during and/or after its completion and the annexed report is true.								
Name and Postal Address of Person Certifying								
Date Certified Certified V (Signature) /1/1								
LOBOX 388 BALLY'S BAY FEB 13, 1989 VANQUIN								
Table of Information/Atta	chments Required	by the Mining Rec	order			X		
Type of Work	Specific i	information per type		Other information (Co	mmon to 2	or more type	s) Attach	ments
Manual Work								
Shaft Sinking, Drifting or other Lateral Work		Nil		Names and addresses (manual work / operate	of men who dequipment	performed	Work Sket	ch: these
		-		with dates and hours i	of employn)801.	are require the locatio	in and
Compressed air, other power driven or mechanical equip.	I ype of equipmer	16					extent of a relation to	work in the
Bower Stainains	Type of equipmen	nt and amount expende	ad.				nearest cla	im post.
Power Stripping	within 30 days of	tual cost must be subm recording	Delli	Names and addresses (together with dates w	of owner or hen drilling	operator /strapping		
Diamond or other core Signad core log showing: fograue intransis; at oute.								

- SCHEDULE B - REVISED

WORK PERFORMED ON THE FOLLOWING MINING CLAIMS -

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P- -607+06 P866469 112 932501 502 BB 506 932 796 BB. 932 197

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HADON D

February 13, 1989

Mr. Bob Bailey Mining Recorder's Office Ministry of Northern Development & Mines 60 Wilson Avenue Timmins, ON P4N 2S7

Dear Bob:

Re: Reports of Work - Swayze & Denyes Townships

Once more, I have enclosed revised reports of work for assessment on the above-mentioned townships. I have enclosed the following for your approval:

Topboot Project - Report of Work - Power Stripping - 4,560 days (Swayze & Denyes Township) - Manual Work - 162 days

Saxton Project - Report of Work - Power Stripping - 3,072 days (Swayze Township) - Manual Work - 311 days

With the Reports of Work, I have included: lists of expenses; invoices; Schedule A - list of claims and number of work days to credit each claim with; Schedule B - list of claims that the work was performed.

I have previously submitted cancelled cheques and Geological Report with applicable maps for both projects. In redoing the application, I discovered additional costs that could be applied, and therefore have included the cancelled cheques and invoices.

As you can imagine, I am rather frustrated with the problems that I have been having in completing these reports to your specifications. Therefore, if you have any questions or if I have completed them incorrectly once again, I am going to make a trip to Timmins with all my documentation in order to finalize this once and for all. However, I hope that this won't be necessary!

Sincerely,

Beth Hildeboarde.

(Mrs) Beth Hildebrandt Office Manager

c. Ms. Cyn Head Office nathy, Glen Auden Resources Field Office Suite 3725 P.O. Box 1118 1 Place Ville Marie BARRY'S BAY, ON MONTREAL, PQ H3B 3P4 K0J 1B0 514-878-9641 613-756-2876

SCHEDULE A

GLEN AUDEN RESUURCES PROJECTS PURCUPINE MINING DIVISION

SAXION PRODECT - SWAYZE IDWNSHIP - 32 claims Work to Date/ Days Due/ ulaim # Reconclose/ 1 Due Date/1 Comments -**92 -** 932054-19860612 80 19890612 20 January 5788 •80 - 932055→19850612 80 19890612 20 20 days of Geology were applied to al! .100 - 332086(19860612 65 19890612 35 of the claims in this group 100 - 982057+19860612 65 19890612 35 · 80 - 932058*19860612 80 19890612 20 May 18/88 80 - 932059-19860612 80 19890612 20 Assessment work cubmitted .80 - JEROED (19860612 80 19890612 20 .80 ∼ 932061,19860612 80 19890612 20 Aug 2/88 -80 - 932062-19860612 80 19890612 20 Assessment work resubmitted ·/ ° °. - 982068, 19860612 60 19890612 40 100 - 932064+19260612 50 19880612 10 Aug 23788 100 - 932065-19860612 80 19890612 20 Assessment work resubmitted / o o ~ 932066.19860612 80 19890612 20 100 - 932067-19860612 80 19890612 20 Assessment work-stripping & trenchiss 100 - 932068-19860612 80 19890612 20 and assays. Different # of days to 100 - 932069-19860612 80 19890612 20 cach of the claims - see letter to 400-932077-19860612 80 19890612 20 Mining Recorder in Timuius and dumana 100 - 932078-19860612 65 19890612 35 and Lands in formuto. /00- 9320/9 19860612 80 19890612 20 /00- 932080 19860612 80 19890612 20 Feb 13789 100 - 932081 19860612 65 19890612 35 Assessment work resubmitted 100 - 932082-19860612 55 19880612 5 ·100 - 932083 19360612 50 19880612 10 100 - 982084-19860612 80 19890612 20 100 - 932085 19860612 50 19880612 10 /00 - 932086 (98606)2 80 (98906)2 20 100 - 932087 19860612 60 19890612 40 100 - 332088 19860612 55 19880612 5 100 - 932089 19860612 55 19880612 5 100 . 932090 (9860612 55 19880612 5 RSM did't give me a printout on this 100 - 932091 19860612 55 19880612 5 project, so I couldn't chech for aut 100 - 932092-19860612 80 19890612 20 dates. (august 31/88)

3,072 days

List Expenditures - Saxton \$ lental of dill, compressor, losses : 1,616.77 51 " ... PC 200 Komaten backhoe: 5,460.00 \$ " L 53400 Backbee: 9,485.00 女 " " D7 Bulldozer 9.380.00 # Fuel costs : Foleyet Timber 3, 566.72 Explosive costs. Porcupine Powder E 2.611.74 \$ Kental of exploder 70.45

TOTAL:

32,190.68

Work performed on mining claims. not held by Gten Auden Resources

PC 200 Komaten - 1 day 2 70.00/hr. 700.00 Г. D7 Bulldozer - 1 day a 70.00/ hr 700.00 \$ Fuel costs 75.00 \$ 1,475.00

32, 190 68 1 475.00 \$ 30,715.68



in an D

February 13, 1989

Mr. Bob Bailey Mining Recorder's Office Ministry of Northern Development & Mines 60 Wilson Avenue Timmins, ON P4N 2S7

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Beth Hildebrande.

(Mrs) Beth Hildebrandt Office Manager

c. Ms. Cyn Head Office nathy, Glen Auden Resources, Field Office Suite 3725 1 Place Ville Marie MONTREAL, PQ H3B 3P4 514-878-9641 K0J 1B0 613-756-2876

	CORCURTNE MINING DIVISION	S SULD VLE N
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TELECOPIER TRANSMISSION

DATE: April 11/89

PLEASE DELIVER THE FOLLOWING PAGE(S) TO:

Name: Bob Barlin Company: Mining Recorder: Office Telecopier No.: 705 - 264-8723 Re: Torphoot Work Reports

Comments:

Exploration

Bob- attached as per our phone connersation yesterday. Bitt

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Phone number: (613) 756-2876 Telecopier number: (613) 756-0118

> Head Office Suite 3725 I Place Ville Marie MONTREAL, PQ H3B 3P4 514-878-9641

Field Office P.O. Box 1118 BARRY'S BAY, ON K0J 1B0 613-756-2876

La of Expenditures - Topbook

1

950.16 Rental of rock drill, compressor, loses # 1,188.03 [′] · compressor blow piper lose suction hose, pump 798.00 **F** . . · PC 200 Komaten backdoe 13, 335.00 12,600.00' LS 3400 Backhoe × 1 " D7 Bulldozer 10,185.00 ₽ # 5,256.95 Fuel costs. Foleyet Timber Ŧ Explosine costs - Porcupine Powder 1,196.86' # 93.19 Exploder vental -

Total:

#45,603.19






ROBIN E. GOAD

E FELLOW

63.4919

NTS:

TITLE TRENCH PLAN OF TOPBOOT PROJECT-SWAYZE & DENYES TWPS MARCH/88 1:2500 DRAWN BY R.E.G.

