



41110NE0143 SCADDING45 SCADDING

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NEW ARCADIA EXPLORATIONS LIMITED  
SCADDING AND STREET TWP. PROPERTIES

by  
Paul C. McLean M.A.Sc.  
Consulting Geologist

January 19, 1984.



41110NE0143 SCADDING45 SCADDING

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NEW ARCADIA EXPLORATIONS LIMITED  
SCADDING TOWNSHIP PROPERTY

Introduction:

under the terms of an agreement dated January 24, 1983, the company carried out 2,287 feet of diamond drilling in 7 holes, in order to complete the required assessment work on the claims. An interesting shear zone was discovered, and an additional 1,599 feet of drilling was completed for the purpose of exploring this structure.

The attitude of this zone was defined, and it has now been traced on strike for a distance of 350 feet. Of the 5 holes that intersected the zone, 4 returned low gold values. The 5th hole (A-13) returned a value of .18 oz per ton gold over 1.2 feet. This intersection is considered to be quite significant as it was obtained in the most southerly hole drilled, and obviously has enhanced the possibility of finding ore shoots within the structure.

Geological mapping was completed on 10 claims on the east side of the property as this had not previously been done. A grab sample taken from an outcrop of gabbro returned just under 1% combined copper and nickel, with low platinum and palladium values. Some magnetometer surveying was done in order to check the area near the outcrop. Magnetic readings at this location were quite local, however an interesting magnetic anomaly was found some 300 feet to the north. this anomaly

extends for some 1,400 feet in a northwest direction, and occurs at or near the contact of the gabbro with sediments.

A new drilling programme has been recommended to further explore the gold bearing shear and fault zone, and also to investigate the magnetic anomaly for copper and nickel values, and possibly for gold.

Location and Means of Access:

The property consists of a group of 26 unpatent contiguous claims located in the south central part of Scadding Township, Sudbury Mining Division, Ontario. The group, which comprises approximately 1,040 acres is situated in lots 4,5 and 6 in concession I and in lot 4 concession II. R. Sansone of Toronto is the recorded holder with a 3% interest in the claims. D.R. Watt, also of Toronto retains a 10% interest, while P.C. McLean of North Bay has a 5% interest. The remaining 50% interest has been earned by New Arcadia Explorations Limited.

The property is situated south of and adjacent to the Westfield Minerals property (formerly Northgate Exploration), which is scheduled to commence gold production this month.

The claims are readily accessible via a good secondary road which bisects the property some 7 miles north of highway 17.

The property consists of the following claims:

<u>Claim Nos.</u>	<u>Recording Date</u>	<u>Apply for extension before</u>
S-478929	June 6, 1978	June 6, 1984
S-478942-60 inclusive	June 6, 1978	June 6, 1984
S-507602-605 inclusive	April 26, 1979	April 26, 1985
S-507569-570	April 26, 1979	April 26, 1985

Because the assessment work has been completed, the claims may be extended annually for five years beyond the above dates, before being brought to lease.

History of the Area:

Numerous gold showings have been discovered in the area over the past century. Limited gold production was obtained from the crystal Mine which is located some 12 miles north of the property.

During the 1973 field season, gold was discovered on the claims adjacent to what is now the New Arcadia Explorations Limited, et al property by Gulf Minerals Canada Limited. Under the direction of the Author, a small ore shoot was defined by drilling. As the tonnage was considered to be too small for Gulf to proceed, the property was optioned to the Writer, who interested the Watt, Sansone, et al group. Drilling undertaken by this group discovered a new northwesterly trending zone along which several additional ore shoots were defined. The property was then sold to Northgate Exploration Limited for 1.5 million dollars worth of Northgate stock plus a 1 million dollar work commitment and a 30% net profit interest. Northgate subsequently transferred the property to its subsidiary, Westfield Minerals Limited, who have recently erected a 200 ton per day mill which is situated one mile north of the New Arcadia property. Production is scheduled to commence in January 1984.

History of the Property:

The property was staked for Mr. R. Sansone during 1978 and 1979 following the discovery of the northwest zone on the adjacent property by the Watt group. Airborne magnetic, electro-magnetic and radiometric surveys were carried out over the claims and no significant anomalies were indicated. Geological mapping was carried out over the western 16 claims during 1981. Some soil sampling for gold was also carried out during this period, and one anomalous value was obtained in the vicinity of the recent diamond drilling.

*Sections not drawn because of the drill pattern. See map.*

Diamond Drilling: *Sections not shown because of the drill pattern. See map.*

During 1983, a total of 3,884 feet of diamond drilling was completed in 13 holes by New Arcadia Explorations Limited. A shear and fault zone striking N25°W and dipping nearly vertical has been traced for a distance of 350 feet by 5 drill holes. This zone is still open to the northwest-southeast, and to depth. The most southerly hole, and the last hole to be drilled, returned a significant gold intersection of .18 oz per ton over 1.2 feet within the zone. This intersection was obtained in well mineralized vein quartz and chlorite, and a speck of visible gold was noted. The mineralization was mainly arsenopyrite, with galena and sphalerite also

present. In addition, low gold values associated with arsenopyrite were present in both walls of the zone.

While the intersection is narrow, it has shown that economic gold values are possible within the zone, and that there is a good chance of finding ore shoots within this structure.

#### Geological Mapping:

A total of 19 miles of picket line was cut at 200 foot intervals on the east side of the property and this area was subsequently mapped. Sulphide mineralization was noted at two locations within the gabbro intrusive, and a grab sample from one area returned .10% copper, .17% nickel, .006 oz platinum and .019 oz palladium.

#### Magnetometer Survey:

A limited amount of magnetometer surveying was completed in order to test the area near the sulphide showing. This area appears to be local in extent; however, a northwesterly trending anomaly was indicated some 150 feet to the south.

A more interesting magnetic anomaly was discovered some 300 feet to the north of the showing. This feature also trends northwest and appears to be located at or near the contact of the gabbro and sheared sediments. It is thought that this contact lies along a northwest trending fault.

Although the anomaly lies some 2,000 feet southeast of the gold bearing shear zone, there is a possibility that may represent the same structure as it is almost on strike with this zone.

At the extreme southeast end of the anomaly, a mineralized outcrop of gabbro was observed to contain chalcopyrite and pyrrhotite. At this point the anomaly appears to be caused by the pyrrhotite which is magnetic.

#### Conclusions:

The discovery of significant gold values within the northwest trending shear and fault zone is very gratifying because this structure

was drilled in the hope that such values might be obtained. While the intersection in hole A-13 was narrow, the zone is up to 5 feet wide in some of the other holes, indicating that greater widths are probable. The zone is quite persistent along strike and may be expected to continue for some distance in both directions.

It is felt that the chance of finding ore shoots within the fault zone have been greatly improved; particularly to the southeast of hole A-13, where no drilling has yet been undertaken.

The magnetic anomaly is of considerable interest because it appears to be situated at the contact of gabbro and sheared sediments and likely coincides with a northwest trending fault. The exact cause of the anomaly is not certain, as it may be caused in part by sulphides (pyrrhotite), or in part by a magnetite bearing dyke. The presence of copper-nickel values in the gabbro nearby suggests that this anomaly should be investigated by several drill holes. If the structure lies along a northwest trending fault, the possibility of gold values associated with a fault should also be investigated.

The weaker magnetic anomaly located to the south of the showing is thought to be caused by sulphides in the gabbro. This structure is parallel to the main anomaly, and should be tested by one drill hole.

In the event that additional drilling is successful in outlining ore shoots on the property, it would be advantageous to approach Westfield Minerals who will be operating a mill close to the property.

Recommendations:

The main magnetic anomaly should be tested by at least 3 drill holes. The first hole should be drilled north from the centre of the anomaly, and the additional holes should be drilled to the southeast and to the northwest of the first hole. One hole should also be drilled to test the weaker anomaly to the south of the main structure.

Drilling should also be continued on the gold bearing shear and fault zone. Holes should be spaced at 50 foot intervals to the southeast of hole A-13, and at 100 foot intervals to the northwest of hole A-12, which is the farthest northwest hole.

A minimum of 5,000 feet of drilling will be required to test

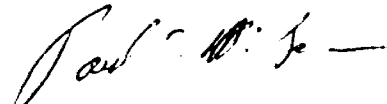
the anomalies and to further explore the northwest shear and fault zone.

Costs:

Based on recent experience, the cost of the recommended programme will be approximately as follows:

5,000 feet of A core drilling @ \$16.00 per foot	80,000.00
Engineering and assaying 25%	20,000.00
	<hr/>
	100,000.00
OMEPA grant applied for	20,000.00
	<hr/>
total cost of the recommended programme	\$120,000.00

Respectfully submitted,



Paul C. McLean M.A.Sc.  
Consulting Geologist.



APPENDIX

Maps:

A coloured plan of geology west sheet showing the location and geology of the drill holes and also the magnetic anomalies, on a scale of 1 inch to 100 feet is included with this report.

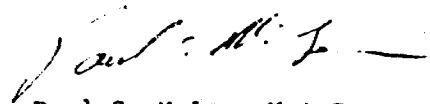
CERTIFICATE

I Paul C. McLean of the City of North Bay, in the District of Nipissing, do hereby certify as follows:

1. I am a Consulting Mining Geologist, residing in the City of North Bay, Ontario, Canada.
2. I am a graduate of the University of Toronto, Faculty of Applied Science and Engineering, in the course of Mining Geology, 1950. I hold the degrees of B.A.Sc. and M.A.Sc. in Mining Geology.
3. I hold a 5% interest in the Scadding Township claims.
4. The accompanying report is based on the author's personal knowledge of the area and of the property.

Dated at North Bay, Ontario.

this 19th day of January, 1984.



Paul C. McLean M.A.Sc.  
Consulting Geologist.



# SWASTIKA LABORATORIES LIMITED


P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE (705) 642-3244  
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

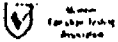
Certificate No: 56893 Date: December 23, 1983  
Received Dec. 19, 1983 4 Samples of Split Core  
Submitted by New Arcadia Exploration, North Bay, Ontario  
c/o Mr. P.C. McLean

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton
35672	0.002	--
35673	0.16 0.18 0.15	0.03
35674	0.005	--
35675	0.002	--

For

  
G. Lebel - Manager

ESTABLISHED 1978





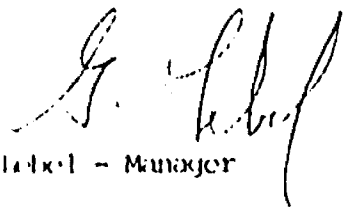
# SWASTIKA LABORATORIES LIMITED

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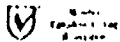
## Certificate of Analysis

Certificate No. 56801 Date: Dec. 13, 1983  
Received Dec. 6, 1983 1 Samples of Split Core  
Submitted by New Arcadia Exploration, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton
35671	0.002

For   
G. Label - Manager

ESTABLISHED 1928





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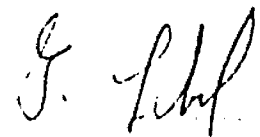
P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
TELEPHONE (705) 642 3244  
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## Certificate of Analysis

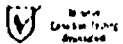
Certificate No. 56547-A Date: November 29 1983  
Received Nov. 4/83 1 Sample of Ore  
Submitted by New Arcadia Exploration Ltd., North Bay, Ontario c/o Mr. P.C. McLean

SAMPLE NO.	PLATINUM Oz./Ton	PALLADIUM Oz./Ton
35656	0.006	0.019

Per

  
G. Lebel -- Manager

ESTABLISHED 1928





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## Certificate of Analysis

Certificate No. 56625

Date: November 21, 1983

Received November 10, 1983 14 Samples of Split Core/Ore

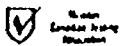
Submitted by New Arcadia Exploration Limited, c/o P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton
35657	Nil
35658	Nil
35659	0.005
35660	0.01 0.005
35661	0.005
35662	0.002
35663	Nil
35664	Nil
35665	Nil
35666	Nil
35667	Nil
35668	Nil
35669	Nil 0.002
35670	Nil

Per

  
G. Lebel - Manager

ESTABLISHED 1928





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## Certificate of Analysis

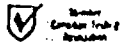
Certificate No. 56547 Date: November 15, 1983  
Received November 4, 1983 9 Samples of Ore  
Submitted by New Arcadia Exploration Limited, North Bay, Ontario  
c/o P.C. McLean

SAMPLE NO.	GOLD Oz./ton	COPPER %	NICKEL %
35648	Nil	--	--
35649	Nil	--	--
35650	Nil	--	--
35651	Nil	--	--
35652	Nil	--	--
35653	Nil	--	--
35654	0.005 0.005	--	--
35655	Nil		
35656	0.002	0.70	0.17

Per

  
G. Lebel - Manager

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## Certificate of Analysis

Certificate No. 56317

Date: October 24, 1983

Received October 17, 1983 9 Samples of Ore/Split Core

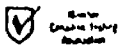
Submitted by New Arcadia Exploration, c/o P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton
35639	0.002	0.02
35640	Nil	--
35641	Nil	--
35642	0.002 0.002	--
35643	0.002	Nil
35644	Nil	--
35645	Nil	--
35646	0.002	--
35647	0.005 0.01	--

Per

  
G. Lebel - Manager

ESTABLISHED 1928







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## Certificate of Analysis

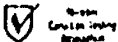
Certificate No. 54753 Date: March 30 1983  
Received Mar. 28/83 7 Samples of split core  
Submitted by Arcadia Explorations Ltd., c/o Mr. P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton
19588	Nil	
19589	Nil	
19590	0.005	
19591	0.005	Nil
19592	Nil	
19593	Nil	
19594	0.002	

Per *G. Lebel*

G. Lebel - Manager

ESTABLISHED 1928





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TELEPHONE: (705) 642-3244  
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## Certificate of Analysis

Certificate No. 54708

Date: March 23 1983

Received Mar. 21/83 11 Samples of split core

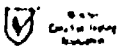
Submitted by Arcadia Explorations Ltd., c/o Mr. P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton
19577	Nil
19578	Nil
19579	Nil
19580	Nil
19581	0.02 0.02
19582	Nil
19583	Nil
19584	0.002 0.002
19585	Nil
19586	Nil
19587	Nil

Per

  
G. Lebel - Manager

ESTABLISHED 1928





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## Certificate of Analysis

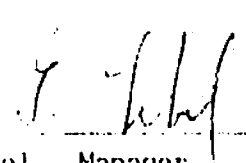
Certificate No. 54669 Date: March 16 1983

Received Mar. 14/83 27 Samples of split core

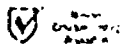
Submitted by Arcadia Explorations Ltd., c/o Mr. P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton
19550	0.002	19569	Nil	
19551	0.002	19570	Nil	Nil
19552	0.002	19571	0.002	Nil
	0.002		0.002	
19553	Nil	19572	Nil	Nil
19554	Nil	19573	Nil	Nil
19555	Nil	19574	0.002	Trace
19556	Nil	19575	Nil	Nil
19557	Nil	19576	Nil	
19558	Nil			
19559	Nil			
19560	Nil			
19561	Nil			
19562	Nil			
19563	Nil			
19564	Nil			
19565	Nil			
19566	Nil			
19567	0.002			
19568	Nil			

Per

  
G. Lebel - Manager

ESTABLISHED 1928





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## Certificate of Analysis

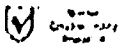
Certificate No. 54649-A Date: March 16 1983  
Received Mar. 7/83 Sample of Split core  
Submitted by Arendia Exploration Ltd., c/o Mr. P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./Ton
19549	0.007

NOTE: The above sample was assayed using the Pulp & Metallic method.

Per G. Lebel  
G. Lebel - Manager

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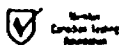
## Certificate of Analysis

Certificate No. 54649 Date: March 10 1983  
Received Mar. 7/83 27 Samples of split core  
Submitted by Arcadia Exploration Limited, c/o P.C. McLean, North Bay, Ontario

SAMPLE NO.	GOLD Oz./ton	SAMPLE NO.	GOLD Oz./ton
19523	Nil	19539	Nil
19524	0.002	19540	Nil
19525	Nil	19541	Nil
19526	Nil	19542	Nil Nil
19527	0.002 Nil	19543	Nil
19528	Nil	19544	0.002
19529	Nil	19545	0.002
19530	Nil	19546	0.002
19531	Nil	19547	Nil
19532	Nil	19548	0.002
19533	Nil	19549	0.005 0.01
19534	0.005		
19535	0.005 0.005		
19536	Nil		
19537	Nil		
19538	Nil		

Per G. Lebel  
G. Lebel - Manager

ESTABLISHED 1928





# SWASTIKA LABORATORIES LIMITED

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TELEPHONE: (705) 642-3244  
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## Certificate of Analysis

Certificate No. 54623

Date: March 3 1983

Received Mar, 1/83 23 Samples of split core

Submitted by Arcadia Explorations Ltd., c/o Mr. J.C. McLean, North Bay, Ontario

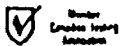
Page 1 of 2

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton	COPPER %
11300	0.002		
19501	Nil	Nil	
19502	0.002		
19503	0.002		
19504	0.002	Nil	
19505	0.005 0.002		
19506	Nil		
19507	Nil		
19508	Nil		
19509	Nil		
19510	0.002		
19511	Nil		
19512	Nil	Nil	0.01
19513	Nil		0.005
19514	0.002		
19515	0.002 0.002	Nil	
19516	Nil	Nil	

Cont'd.....

Per   
G. Lebel - Manager

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# SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0  
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ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

## Certificate of Analysis

Certificate No. 54623

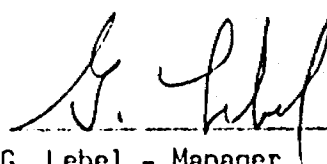
Date: March 3 1983

Received Mar. 1/83 23 Samples of split core

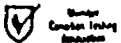
Submitted by Arcadio Explorations Ltd., c/o Mr. P.C. McLean, North Bay, Ontario

Page 2 of 2

SAMPLE NO.	GOLD Oz./ton	SILVER Oz./ton
19517	Nil	Trace
19518	Nil	Nil
19519	Nil	Nil
19520	Nil	Nil
19521	Nil	
19522	0.002	

Per   
G. Lebel - Manager

ESTABLISHED 1928



LOCATION Same as A-7  
S-478943  
 SECTION \_\_\_\_\_

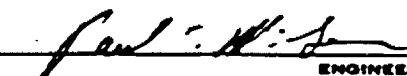
PROPERTY NEW ARCADIA EXPLORATIONS

LATITUDE \_\_\_\_\_ STARTED October 1, 1983  
 DEPARTURE \_\_\_\_\_ COMPLETED October 11, 1983  
 ELEVATION \_\_\_\_\_ V.D. \_\_\_\_\_ H.D. \_\_\_\_\_

BEARING East DEPTH 288.0  
 DIP -60°

GENERAL GEOLOGY	ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
0.0-59.0 Casing, gravel and boulders.	Au.	Ag.				
59.0-288.0 Serpent quartzite, light grey to pinkish to salmon red. Occasional narrow chlorite seams. Pyrite disseminated and in narrow beds throughout.						
90.0-91.3 1/2" pink calcite stringer at 10° to the core.						
94.8-95.6 3/4" quartz stringer at 15° to the core contains coarse magnetite grains.						
108.2-108.7 Shear zone, 30° to the core, 50% vein quartz with fine patches of chalco and pyrite.	.002		0.5	35642	108.2-108.7	Shear zone, 30° to the core, 50% vein quartz, well mineralized with chalco and pyrite.
126.8-127.9 1" quartz stringer at 20° to the core 70% red hematite	.002	Nil	1.1	35643	126.8-127.9	1" quartz stringer at 20° to the core 70% hematite with some py in the qtz.
132.0 3" section of chlorite breccia, 10% chlorite, minor pyrite.						

Markstay Drillers  
 DRILLING CONTRACTOR

  
 ENGINEER



GENERAL GEOLOGY	ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
132.0-143.0 Quartzite contains frequent narrow chlorite seams in all directions, approaching a breccia over narrow widths. Minor pyrite.						
191.0 2" weakly sheared section at 30° to the core.						
196.0-203.0 Somewhat chloritized with narrow seams of chlorite, also some local chlorite replacement.						
277.4-277.7 Quartz stringer normal to the core with good pyrite and pyrrhotite in seams	Nil		0.3	35644	227.4-227.7	Quartz stringer with good py and po and a speck of chalco. (whole core sampled)
239.9-248.0 Diorite dyke, dark grey, chloritic and altered. Top contact at 60° to the core. Some disseminated pyrite. Blocky broken core, non magnetic likely Nipissing type.	Nil		5.0	35645	239.0-244.0	Character sample diabase dyke.
248.0-255.5 Quartzite, brick red, altered	.002		1.6	35646	250.0-251.6	Quartzite, contains several quartz stringers up to 2". Largest stringer is well mineralized with pyrite.
253.0-254.0 Quartzite sheared at 30° to the core and highly altered.						
255.5-260.5 Shear zone, shearing mostly at 20° to the core, altered crushed quartzite with some grey vein quartz and calcite sulphides rare, 20% vein quartz.	.005 .01	check	5.0	35647	255.5-260.5	Shear zone, sheared and crushed quartzite with 20% grey vein quartz. sulphides rare.



U.S.P. NO. A-9  
 LOCATION 100' S. of 1-8  
S-478943  
 SECTION \_\_\_\_\_

PROPERTY NEW ARCADIA EXPLORATIONS LTD.

LATITUDE \_\_\_\_\_ STARTED October 22, 1983  
 DEPARTURE \_\_\_\_\_ COMPLETED October 29, 1983  
 ELEVATION \_\_\_\_\_ V.D. \_\_\_\_\_ H.D. \_\_\_\_\_

BEARING 270° DEPTH 404.0  
 DIP -60°

GENERAL GEOLOGY	ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
0.0-60.0 Casing. Gravel and boulders.						
60.0-404.0 Serpent quartzite, light to dark grey to salmon pink. Locally narrow chlorite seams.	Nil		1.4	35657	70.0-72.2	Irregular quartz stringers in pink quartzite, contains blebs of chlorite with some minor associated pyrite.
74.3 3" quartz stringer at 45° to the core with some chlorite and minor pyrite.	Nil		1.4	35658	86.8-88.0	Irregular quartz stringers, mostly at 60° to the core, some coarse po. in the quartz, also minor chlorite.
104.2-105.9 Shear zone, 20% vein quartz, shearing at 45° to the core.	.005		1.7	35659	104.2-105.9	Shear zone, 20% vein quartz and some pink calcite. Some of quartz is well mineralized with pyrite. Shear is somewhat chloritic.
106.6-107.1 Shear zone, 45° to the core	.01 .005	check	0.5	35660	106.6-107.1	Shear zone, 30% vein quartz with minor sulphides.
117.7-120.6 Quartzite is weakly sheared at 45° to the core.						
133.8-136.9 Shear zone, shearing mostly 60° to the core. Crushed sections and some fault breccia, fragments 1/2". Band of coarse aspy xtals at 136.8 feet.	.005 .002		1.9 0.6	35661 35562	133.8-135.7 136.3-136.9	Shear zone, 20% vein quartz and some pinkish calcite. Rare speck of aspy. Shear zone, chloritic, includes 1/4" band of coarse aspy. xtals.

The Markstay Drillers.

DRILLING CONTRACTOR

*Paul H. J.*  
 ENGINEER



A-10

LOCATION 4-00E, 8+50S  
S-478943

SECTION \_\_\_\_\_

**PROPERTY** New Arcadia Explorations Limited

LATITUDE \_\_\_\_\_ STARTED October 31, 1983

DEPARTURE \_\_\_\_\_ COMPLETED November 3, 1983

ELEVATION \_\_\_\_\_ V.D. \_\_\_\_\_ H.D. \_\_\_\_\_

BEARING South DEPTH 224.0

DIP -45°

GENERAL GEOLOGY	ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
0.0-45.0 Casing. Gravel and boulders.						
45.0-192.5 Gabbro, coarse grained Nipissing type, dark green, occasional quartz and carbonate stringers.						
77.3-80.2 Quartz stringer zone, most of the stringers are at 30° to the core, some at 60°. Both quartz and gabbro are mineralized with fair chalco and po.	Nil		2.9	35667	77.3-80.2	Quartz stringer zone, 50% grey quartz with fair chalco and po.
104.0-104.9 Quartz vein, bluish quartz at 80° to the core. Speck of chalcopyrite	Nil		0.9	35668	104.0-104.9	Quartz vein, barren except for a grain of chalcopyrite.
158.6-185.0 Gabbro, abruptly medium grained.	.002		3.0	35669	181.5-184.5	Quartz and carbonate stringer zone, 70% quartz-carbonate, no sulphides.
157.0 1" quartz stringer at 45° to the core contains a coarse splash of po. and chalcopyrite						
185.0-192.5 Gabbro, becoming coarse grained.						

The Markstay Drillers.

DRILLING CONTRACTOR

*Paul A. Jones*  
 ENGINEER



W.D.N. NO. A-11  
 LOCATION 100 Feet N of A-8  
S-478943  
 SECTION \_\_\_\_\_

PROPERTY New Arcadia Explorations Ltd.

LATITUDE \_\_\_\_\_ STARTED November 7, 1983  
 DEPARTURE \_\_\_\_\_ COMPLETED November 12, 1983  
 ELEVATION \_\_\_\_\_ V.D. \_\_\_\_\_ H.D. \_\_\_\_\_

BEARING East DEPTH 300.0  
 DIP -50°

GENERAL GEOLOGY	ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
0.0-65.0 Casing. Gravel and many boulders.						
65.0-300.0 Serpent quartzite, dark to light to pinkish grey with some pink and salmon red beds.						
70.0 Bedding at 45° to the core.						
91.7 1" sheared section at 35° to the core. Narrow ribbons of grey vein quartz.						
91.3-120.5 Dark grey siliceous greywacke.						
166.2 2" Bx section.						
209.0-209.6 Brecciated section, weakly chloritic.						
220.0 well bedded at 50° to the core.						
237.0-237.5 Weakly Bx section with some chlorite.						
300.0 End of hole.						

The Markstay Drillers  
 DRILLING CONTRACTOR

*Paul M. Jan*  
 ENGINEER





U.S.G. NO. A-13  
 LOCATION 100 feet S, 50 feet E  
of A-9 S-478943  
 SECTION \_\_\_\_\_

PROPERTY New Arcadia Explorations Limited

LATITUDE \_\_\_\_\_ STARTED November 25, 1983  
 DEPARTURE \_\_\_\_\_ COMPLETED December 14, 1983  
 ELEVATION \_\_\_\_\_ V.D. \_\_\_\_\_ H.D. \_\_\_\_\_

BEARING West DEPTH 208.0  
 DIP -60°

GENERAL GEOLOGY	ASSAY		SAMPLE		FOOTAGE	ECONOMIC GEOLOGY
	OZ.	VALUE	FEET	NUMBER		
0.0-85.0 Casing. Gravel and many boulders.						
85.0-208.0 Serpent quartzite, light to dark to pinkish grey with some salmon red beds.						
92.0-98.0 Narrow chlorite seams in this section usually at 30' to the core.						
97.0-98.0 coarse pyrite in narrow quartz stringer at 15' to core						
100.0-110.0 Broken blocky oxidized core.						
102.0-105.0 lost core.						
158.7-159.7 Quartzite altered, chloritic with some disseminated arseno in walls of vein structure	.002		1.0	35672	158.7-159.7	Quartzite, altered with some fine Disseminated arsenopyrite xtals. Speck of red ZnS.
159.7-160.9 Vein material, 50% grey vein quartz with some chlorite. Somewhat sheared at 60° to the core. Good disseminated arsenopyrite in grey quartz in xtals up to 1/16". Local fine braccia. Some core lost on block.	.18 .15 check .15 check		1.2	35673	159.7-160.9	Vein material, chlorite and grey vein quartz. Good arseno in quartz and in the chlorite. Local red ZnS and PbS Speck of V.G. with PbS and Aspy at 160.6.

The Markstay Drillers  
 DRILLING CONTRACTOR

Paul H. Jones  
 ENGINEER





41110NE0143 SCADDING45 SCADDING

900

OM 82 - 8 - C - 192

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

THE FOLLOWING REPORTS WERE PREVIOUSLY SUBMITTED:

1. DRILL HOLES: A-1 TO A-7 → SEE: DDR 21

SCADDING 0011-C1

2. SUMMARY REPORT - SANSONE → SEE: SCADDING 0028

GOLD PROSPECT, PAUL McLEAN,

NOV/81

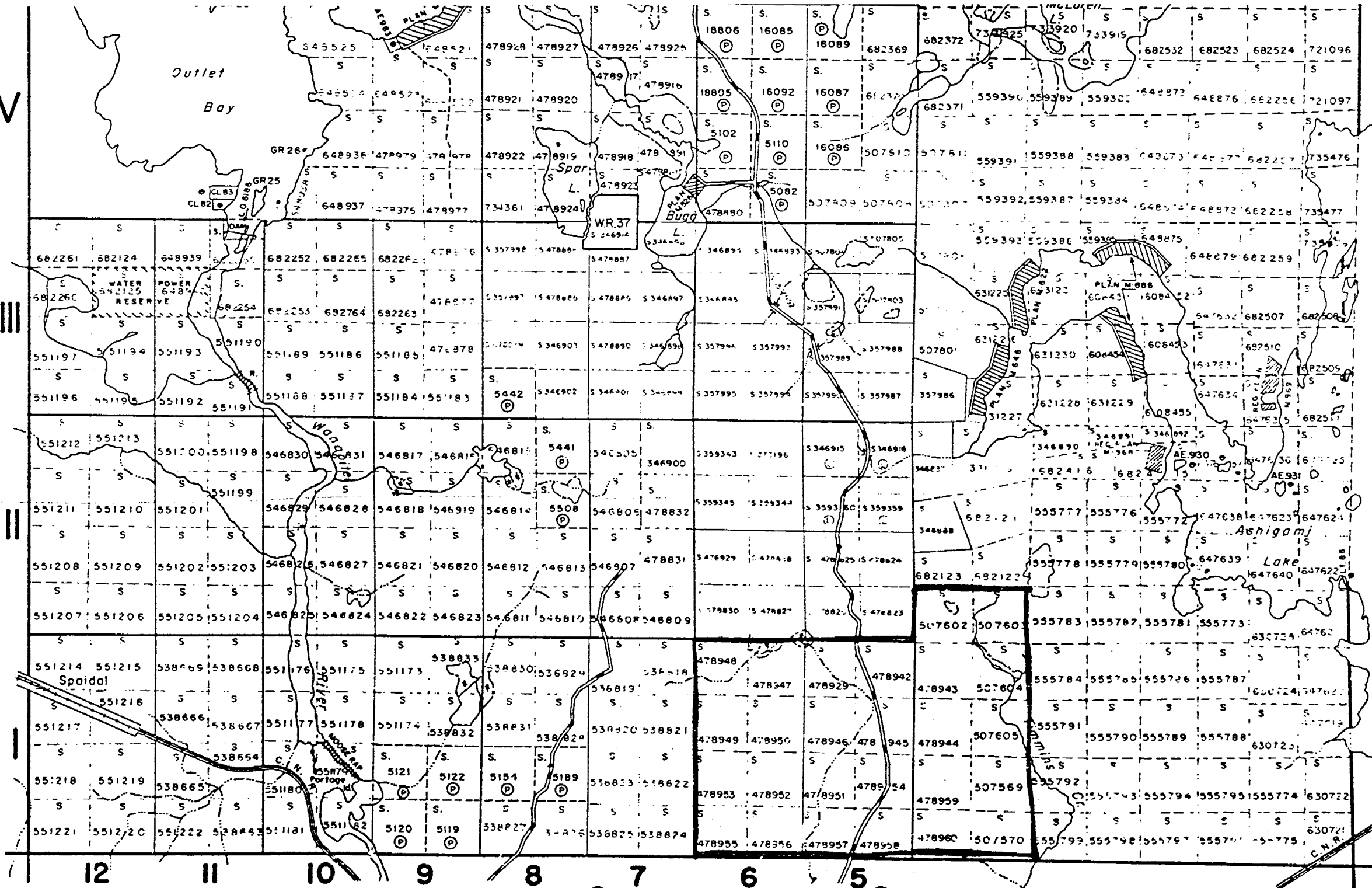
Maclennan Twp. - M. 841

IV

III

II

I



Davis Twp. - M. 748

12 11 10 9 8 7 6 5

1" = 40 CHAINS SCADDING TWP. M-1092 OMB2-8-C-192

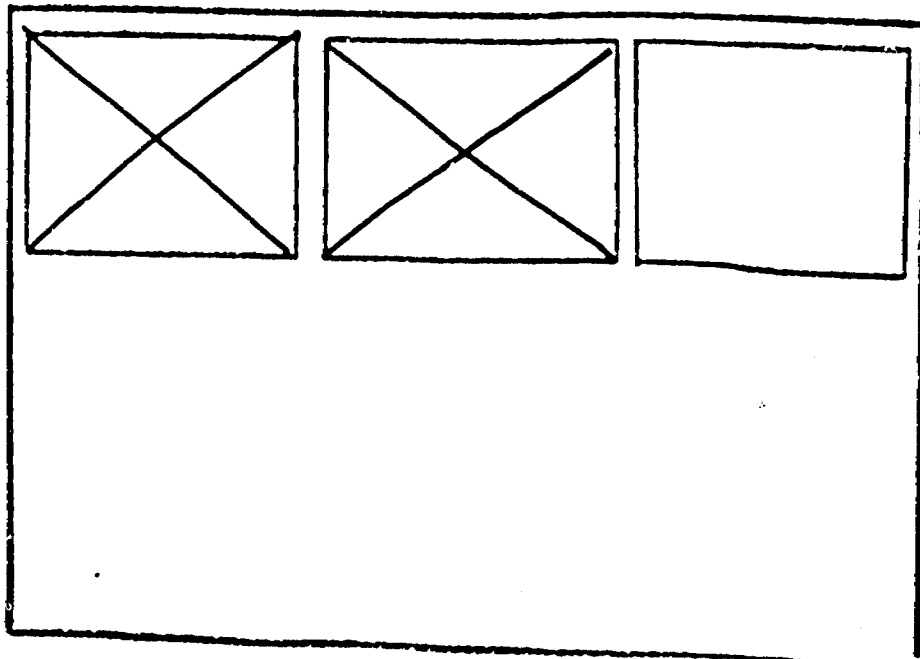
SEE ACCOMPANYING  
MAP(S) IDENTIFIED AS

SCADDING-0045, #1

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LOCATED IN THE MAP  
CHANNEL IN THE FOLLOWING  
SEQUENCE (X)



OM 42-112

# NEW ARCADIA EXPLORATIONS LTD. ET AL GOLD PROSPECT

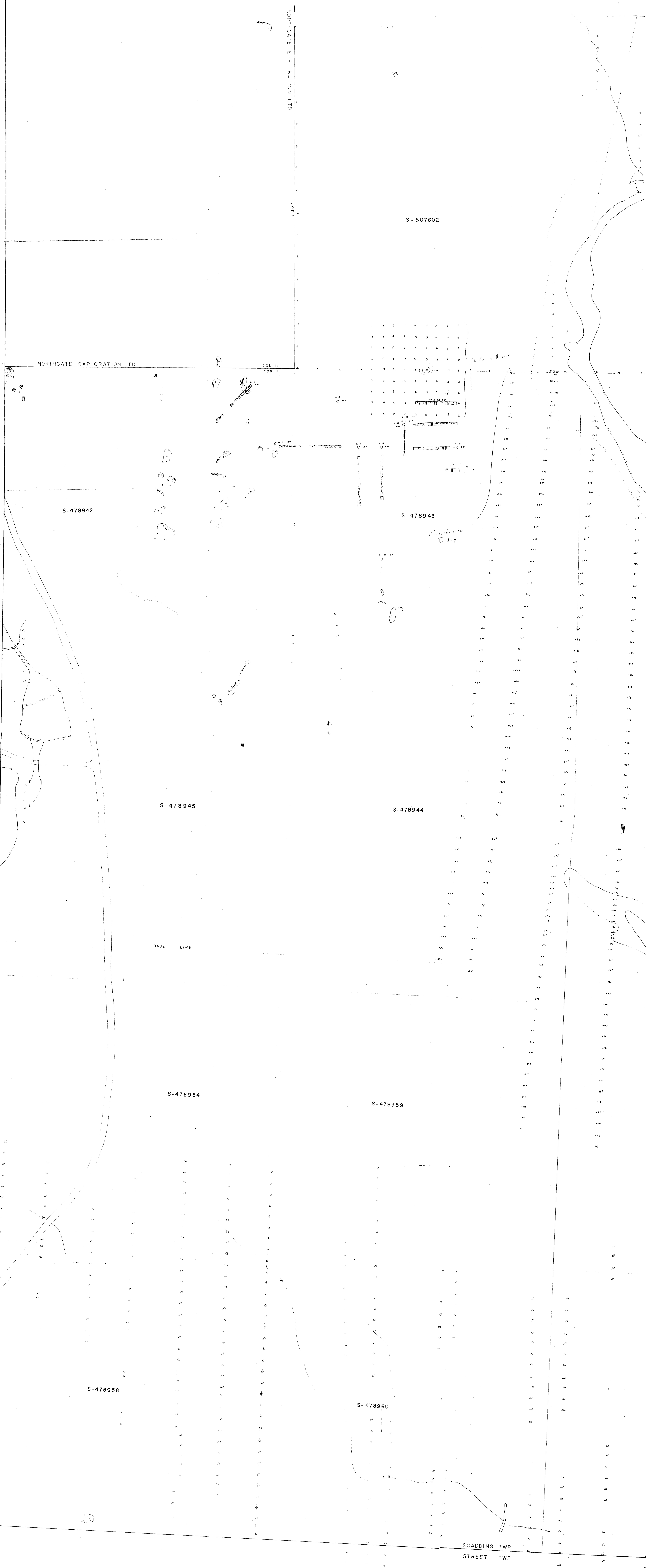
SCADDING TOWNSHIP

PLAN OF GEOLOGY - EAST SHEET

SCALE: 1 inch = 100 feet

### LEGEND

- |  |                           |  |  |
|--|---------------------------|--|--|
|  | Feldspar Porphyry         |  | Strike and Dip                         |
|  | Olivine Diabase           |  | Attitude of Shearing                   |
|  | Nipissing Diabase, Gabbro |  | Swamp                                  |
|  | Serpent Quartzite         |  | Creek                                  |
|  | Bruce Limestone           |  | Steep Hill or Cliff                    |
|  | Bruce Conglomerate        |  | Humus Gold Values in Parts per Billion |
|  | Mississipi Quartzite      |  |  |
|  | Shear zone                |  |  |



# NEW ARCADIA EXPLORATIONS LTD. ET AL GOLD PROSPECT

SCADDING TOWNSHIP

PLAN OF GEOLOGY - EAST SHEET

SCALE: 1 inch = 100 feet

LEGEND	
	Feldspar Porphyry
	Olivine Diabase
	Nipissing Diabase, Gabbro
	Serpent Quartzite
	Bruce Limestone
	Bruce Conglomerate
	Mississipi Quartzite
	Shear zone
	Strike and Dip
	Attitude of Shearing
	Swamp
	Creek
	Steep Hill or Cliff
	Humus Gold Values in Parts per Billion

CON II  
CON I

S-507602

S-507603

S-478943

S-507604

S-478944

S-507605

S-478959

S-507569

S-478960

S-507570

SCADDING TWP.  
STREET TWP.

DATE: MARCH 2001