

2.16862

ASSESSMENT REPORT  
on the  
PHYSICAL WORK  
performed on the  
SALKELD PROPERTY  
NORTHWESTERN ONTARIO  
52J/2SE

RECEIVED  
OCT 19 11.1  
MINING LANDS BRANCH



52J02SE0011 2.16862 SQUAW LAKE

010

*Peter Harvey*  
*Quartz*  
*2-10523*  
Peter Harvey  
Royal Oak Mines Inc.  
Timmins, Ontario  
Sept. 13, 1996

a:salkeld\report\salkeld.wpd

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**Problem Page**

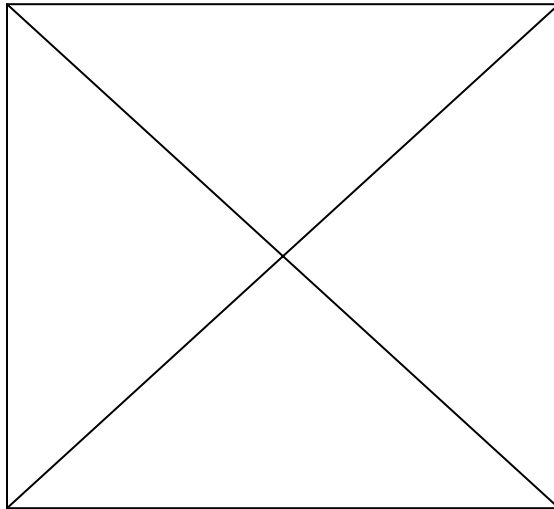
The original page in this document had a problem when scanned and as a result was unable to convert to Portable Document Format (PDF).

We apologize for the inconvenience.

**Problème de conversion de page**

Un problème est survenu au moment de balayer la page originale dans ce document. La page n'a donc pu être convertie en format PDF.

Nous regrettons tout inconvénient occasionné par ce problème.



## **1.0 Introduction and Summary**

The Salkeld property is located near the northeast arm of Sturgeon Lake in Northwestern Ontario and contains numerous gold-bearing quartz veins. Physical work done in 1996 consisted of mechanical overburden stripping on selected areas near known veins (referred to here as Stripped Areas No. 1, 2, and 3) followed by channel sampling to determine the gold content of both the quartz veins and surrounding wall rock.

## **2.0 Property Location and Background**

The Salkeld property consists of three staked claims, numbered 816312, 816313 and 816314 on the Squaw Lake claim map (G 1340). They are located about ½ mile southeast of Belmore Bay on the northeast arm of Sturgeon Lake, which is about 14 miles south-southeast of the town of Savant Lake, Ontario. Refer to Figure No. 1.

In the mid 1980's, Falconbridge and Giant Yellowknife Mines jointly funded a number of gold projects in Ontario, including the Salkeld property; the original vendor being Allan Best of Savant Lake. Falconbridge's interest passed to Falconbridge Gold Corporation, and then on to Pentland Firth, while Giant Yellowknife Mine's interest passed onto Royal Oak Mines Inc. Pentland Firth abandoned their interest in 1995, and Falconbridge subsequently transferred its interest to Royal Oak. Consequently, Royal Oak Mines now holds the Salkeld Property, under an option agreement with Allan Best.

## **3.0 Access**

Logging roads originating at Savant Lake come to within about two miles of the property, after which a trail, mostly through swampy ground, continues to the area of the stripping in the centre of the property. The distance via this route from Savant Lake is about 26 miles. The property can also be reached by an 18 mile boat trip from Trappers Point Landing to Belmore Bay on Sturgeon Lake, and then via a ½ mile walk along a trail. Refer to Figure No. 2.

#### **4.0 Previous Work**

Work done on the property originated in the 1930's, and consisted of about ten trenches and some 25 holes drilled at various times between 1936 and 1954. Da Costa (1987) details this poorly documented previous work which describes veins 3 to 10 feet wide containing free gold with numerous multi-ounce assays.

Falconbridge completed linecutting, mapping and soil sampling, as well as chip and sawcut sampling in 1985 and 1986 (Da Costa, 1987). Da Costa recommended mechanical overburden stripping on the area of the known veins, a suggestion which was followed up by Royal Oak Mines in their 1996 Program.

#### **5.0 Geology**

The property lies within the Squaw Lake-Sturgeon Lake area of Northwestern Ontario and consists of a volcanic-sedimentary sequence bounded by granitic complexes within the Wabigoon Belt of the Superior Province of the Canadian Shield.

Locally, the property is underlain by mafic volcanics and intrusives, and this geology is fully described by Da Costa (1987).

The geology in the area of the mechanical stripping consists of a diorite intrusion; the coarse-grained porphyritic phase is well exposed at Area No. 1, and the finer grained massive phase is exposed at Areas No. 2 and 3. Small areas of quartz-feldspar porphyry are also exposed at Area No. 3.

The structural deformation of the property appears to be complex, especially at Area No. 3, where at least two orientations of foliation are evident, and the quartz veins have apparently been fractured and rotated.

## **6.0 1996 Program - Mechanical Overburden Stripping and Channel Sampling**

Following the recommendation by Da Costa (1987), Royal Oak Mines conducted a Mechanical Overburden Stripping Program on the property between March 16 and March 30, 1996. D. M. Dumphy Backhoe of Sioux Lookout completed this work using a JD690 Backhoe and a JD850 Bulldozer. Allan Best provided the field supervision for the work, and the site was visited on March 28 by the author.

Washing and Channel Sampling was done on the property between August 26 and August 29, 1996, with this work being done by the author and Paul Collins of Timmins, Ontario. Allan Best provided a swamp buggy to transport the equipment from the end of the logging road to the property and back.

Figure No. 3 is a location map of the stripped areas, which are described in detail in the following sections.

### **6.1 Stripped Area No. 1**

Area No. 1 was stripped to expose the bedrock around a soil sample with a value of 9300 ppb Au obtained by Falconbridge. It is a circular area about 100 feet in diameter on a north sloping outcrop of coarse-grained, porphyritic, massive diorite. This area lies on claim 816313.

The area was thoroughly inspected and no significant veining, shearing or alteration was observed. A piece of 2" wide rusty quartz vein material from an area of rubble at the bottom of the outcrop (where it enters the swamp) was found at the location of the anomalous soil sample.

A grab sample taken from vein material averaged 0.158 opt Au, a grab sample from the wallrock averaged 0.003 opt Au.

Figure No. 4 is a map of this area.

## 6.2 Stripped Area No. 2

Area No. 2 was stripped of overburden to expose a north-south trending vein described by Da Costa (1987) as Trench 8, which is at a location that straddles claims 816312 and 816313.

The bedrock consists of a fine to medium grained massive diorite, which is a dark green colour. The dominant feature here is a well-developed joint set orientated at  $180^{\circ} - 60^{\circ} W$ . Barren, white sugary textured quartz-carbonate veinlets  $< \frac{1}{2}$ " are commonly found on these joints. The stripped area exposes a quartz vein 1" to 6" wide occupying one of these joints, and was cleaned off for a strike length of about 25 feet. The immediate wall rock for the vein is a rusty, chloritic schist mineralized with pyrite and pyrrhotite. The vein and schist wallrock is boudinaged, varying from 1" to 24" wide where exposed, and has a very sharp contact with the diorite wallrock. The diorite is locally mineralized with 1% pyrrhotite and is rust-stained adjacent to the vein. The quartz vein itself is white-rust stained, massive, and contains traces of pyrite and pyrrhotite.

A weak foliation at  $030^{\circ} - 90^{\circ}$ , as well as a few 1" barren quartz veins at  $120^{\circ} - 90^{\circ}$  were also noted on this outcrop.

A total of seven samples were taken from this area. Channel No. 4 cut 6 feet of diorite east of the vein; 1 foot of the vein, and 5 feet of diorite west of the vein. Channel No. 5 cut the vein and adjacent chloritic schist at its maximum width of 24", about 10 feet north of channel No. 5. Two additional grab samples were taken from the vein, and one from a sheared and rusty area about 27 feet east of the main vein.

Figure No. 5 is the detailed geological map of this area, Figure No. 5a is the sample map.

### 6.3 Stripped Area No. 3

Area No. 3 was cleared off for about 130 feet long and 70 feet wide. It exposes the area where most of the historical work was done on the property, and several quartz veins are easily seen.

The underlying bedrock is a fine-grained massive chloritic green diorite as seen in area No. 2. A minor amount of quartz-feldspar porphyry is also exposed here.

Structurally, this area is quite complex. The dominant feature is a 5 foot wide shear zone consisting of a pyritic, chlorite-ankerite schist trending at  $45^{\circ}$ - $90^{\circ}$ . Within this zone is a series of discontinuous quartz veins typically 6-10" wide, which are ribbon textured, and contain trace amounts of sulphides (pyrite-pyrrhotite). Where fully exposed, these vein segments are 5-15 feet long and end abruptly in the chlorite-ankerite schist.

A second, weaker fabric is developed at  $090^{\circ}$ - $90^{\circ}$ , and several discontinuous veins similar to those described above are also found at this orientation. Barren quartz veins with horsetail margins are also exposed, and appear to be controlled by the  $090^{\circ}$ - $90^{\circ}$  foliation. The wallrock is moderately foliated, contains patches of weak ankerite, and contains trace - 1% pyrite.

A total of 28 samples were taken from Area No. 3, 20 as channel samples from three different cuts, and eight as grab samples of quartz vein material.

The channels were designed to not only sample the quartz vein, but to systematically sample the enveloping wall rock, which in the case of channels No. 2 and No. 3, appears to have undergone moderate deformation and weak mineralization.

Figure No. 6 is the detailed geological map of this area, Figure No. 6a is the sample map.

## 7.0 Conclusions and Recommendations

The mechanical overburden stripping, washing and sampling program done by Royal Oak Mines on the Salkeld Property in 1996 was beneficial because it exposed the geology of the gold-bearing veins known to exist on the property.

The dominant bedrock is a massive diorite; in Area No. 1 a grab sample from an isolated vein in the diorite averaged 0.158 opt Au. In Area No. 2, a north-south vein was exposed for 25 feet and four samples from the vein (0.154, 0.052, 0.050 and 0.038) averaged 0.074 opt Au. The wallrock did not carry significant gold values.

Area No. 3 is the most complex, and is where most of the work was done in 1996. The highest assay obtained from this program was from a vein near Channel No. 1 (0.264 opt), however all other samples from the various quartz veins exposed here were only weakly anomalous in gold.

Shear Zones in Area No. 3, mapped as pyritic chlorite-ankerite schist, and often containing quartz veins with horsetail margins, contained gold values in the 0.032 opt to 0.070 opt. range.

Past work on the Salkeld Property has focussed on the quartz veins, where significant gold assays are often recorded. Mechanical stripping in 1996 has shown these veins to be broken into "segments" generally 5-15 feet long (as in Area No. 3), and boudinaged (as in Area No. 2). The variable geology and lack of continuity on these veins would make mining them difficult. The pyritic shear zones, however, represent a different type of target. Property scale geophysical surveys (ie. Induced Polarization) designed to map out these pyritic shear zones, followed by diamond drilling, may uncover zones of sufficient size, grade and continuity to warrant mining.



## 8.0 References

Da Costa, J. L. 1987: Assessment Report on the Geochemical Survey performed on the Salkeld Property, Northwest Ontario 52J/2SE  
Assessment File 52J/02SE-0080

# LIST OF FIGURES

Figure No. 1	Salkeld Property - Location Map
Figure No. 2	Salkeld Property - Claim Map
Figure No. 3	Salkeld Property - Location Map of Stripped Areas
Figure No. 4	Geology and Sampling - Stripped Area No. 1
Figure No. 5	Geology - Stripped Area No. 2
Figure No. 5a	Sample Map - Stripped Area No. 2
Figure No. 6	Geology - Stripped Area No. 3
Figure No. 6a	Sample Map - Stripped Area No. 3

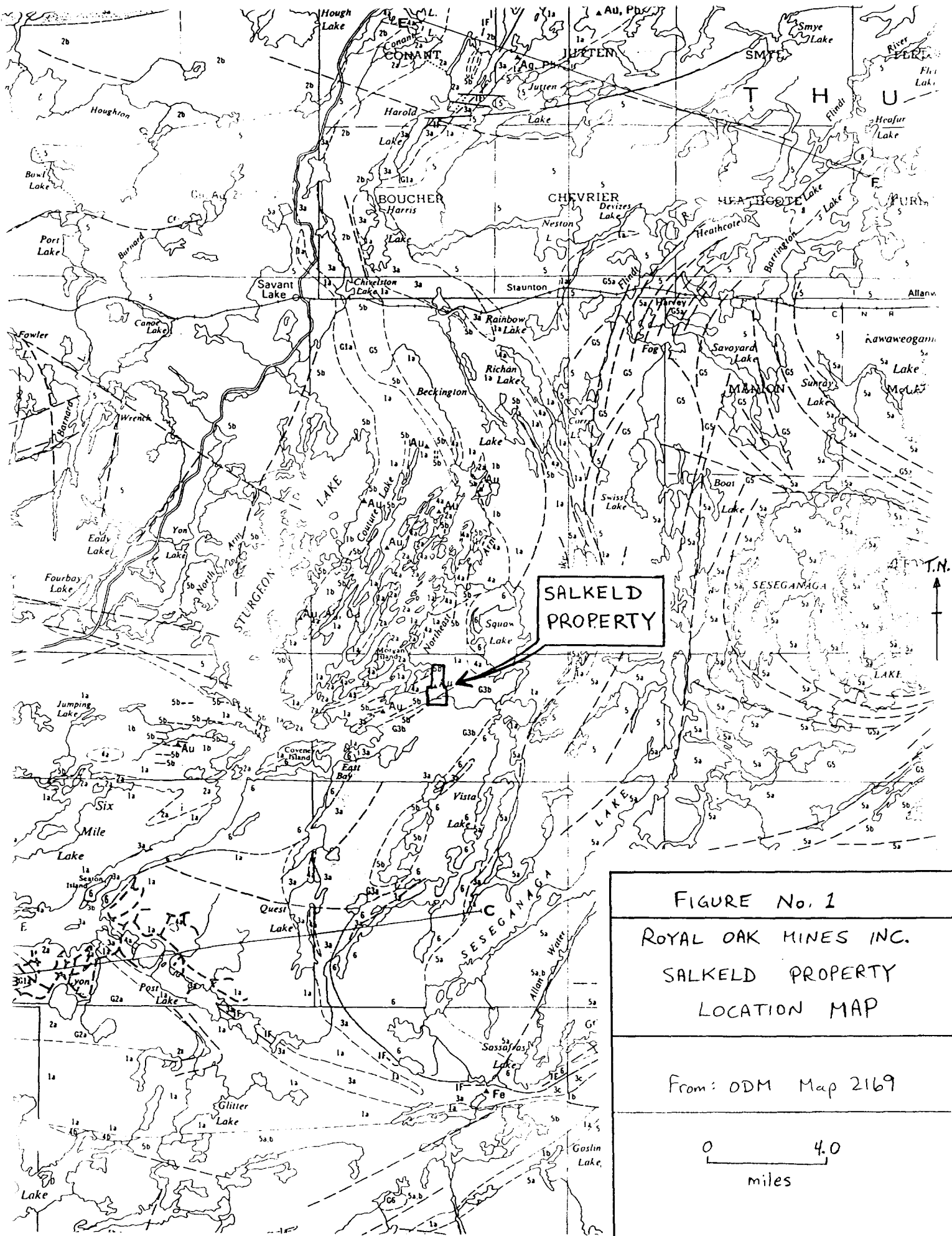


FIGURE No. 1  
 ROYAL OAK MINES INC.  
 SALKELD PROPERTY  
 LOCATION MAP  
 From: ODM Map 2169  
 0 4.0  
 miles



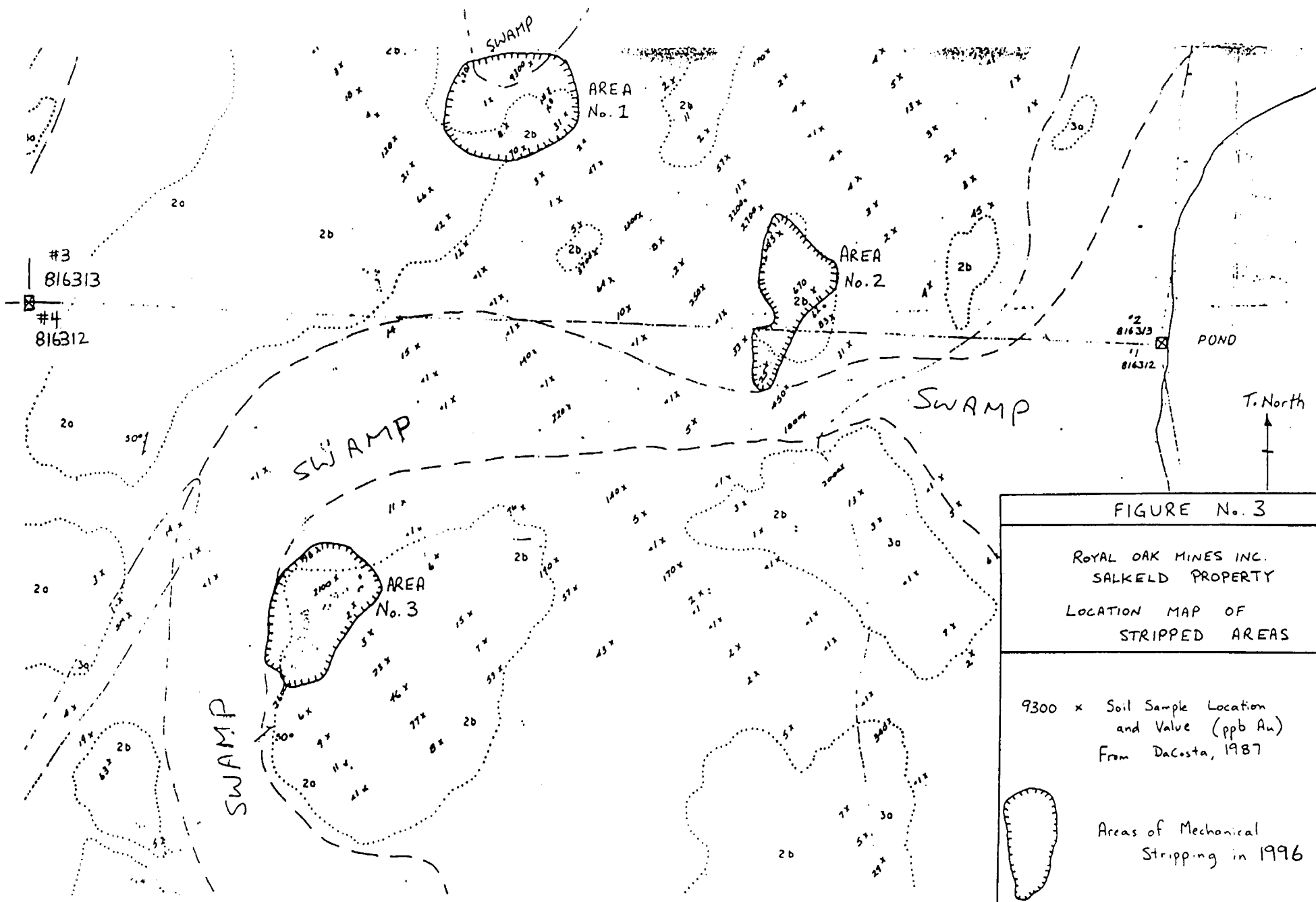



FIGURE No. 3

ROYAL OAK MINES INC.  
SALKELD PROPERTY

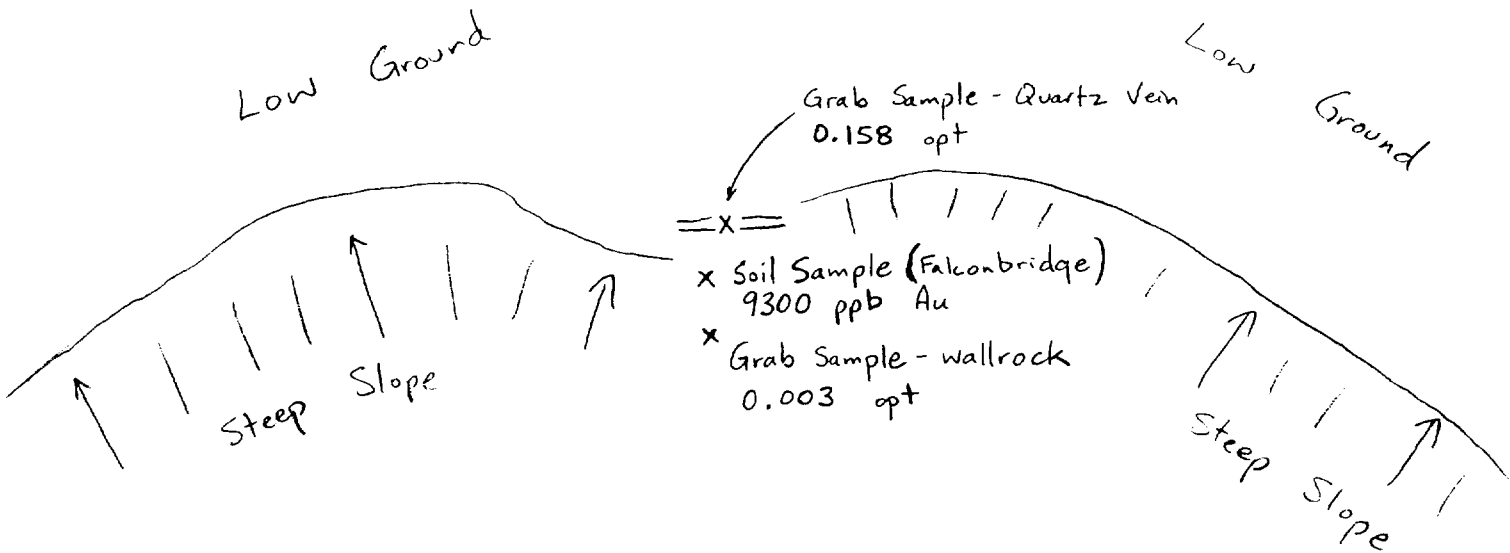
LOCATION MAP OF  
STRIPPED AREAS

9300 x Soil Sample Location  
and Value (ppb Au)  
From DaCosta, 1987



Areas of Mechanical  
Stripping in 1996

Date: Sept '96	0 <span style="display: inline-block; width: 50px; border-bottom: 1px solid black;"></span> 100 feet	Drawn: P.H.
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Massive, coarse grained, porphyritic  
diorite

Claim 816313  
(430' at Az 110° to  
#2 Post for 816313)



FIGURE No. 4		
ROYAL OAK MINES INC. SALKELD PROPERTY		
GEOLOGY and SAMPLING STRIPPED AREA No 1		
Sept '96	0 ————— 10 feet	P.H.

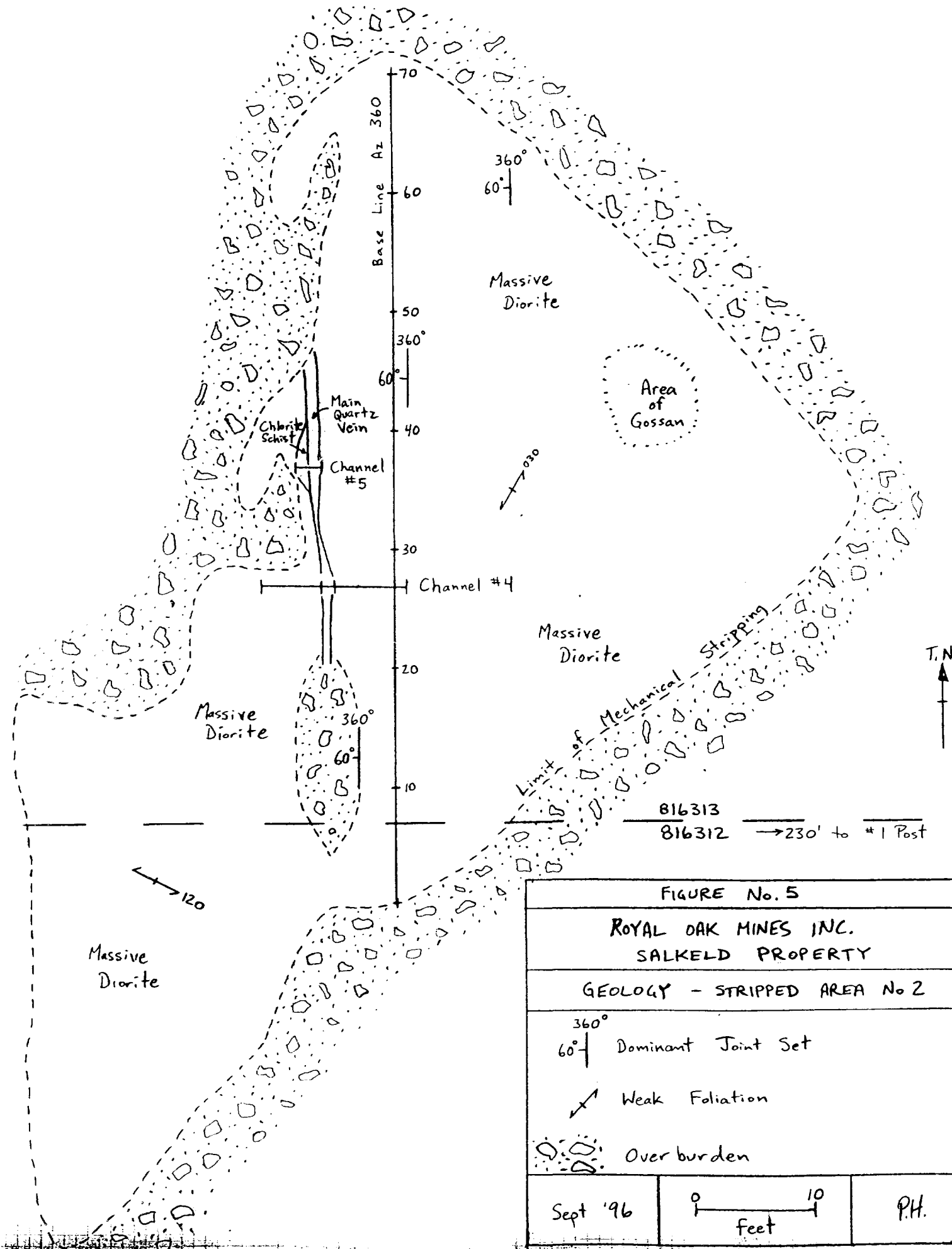


FIGURE No. 5		
ROYAL OAK MINES INC. SALKELD PROPERTY		
GEOLOGY - STRIPPED AREA No 2		
360° 60°	Dominant Joint Set	
↗	Weak Foliation	
⋯	Overburden	
Sept '96	0 ——— 10 feet	P.H.

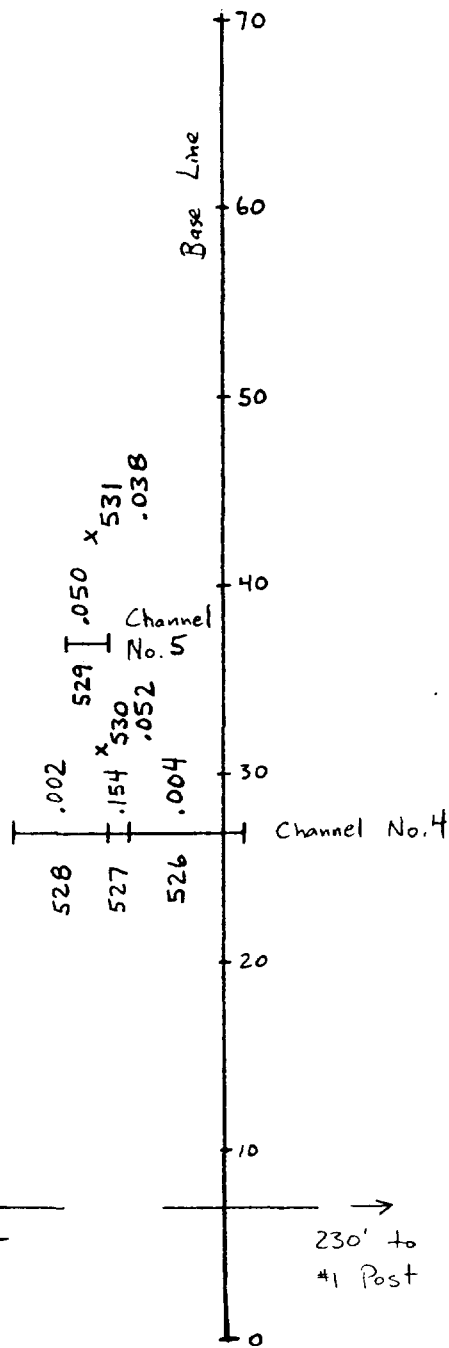


FIGURE No 5a		
ROYAL DAK MINES INC SALKELD PROPERTY		
SAMPLE MAP - STRIPPED AREA No. 2		
CHANNEL SAMPLE	GRAB SAMPLE	
Gold Value Valve o.p.t.	Gold Value Valve o.p.t.	
Sample Number	Sample Number x	
Sept 96	0 ——— 10 feet	P.H.



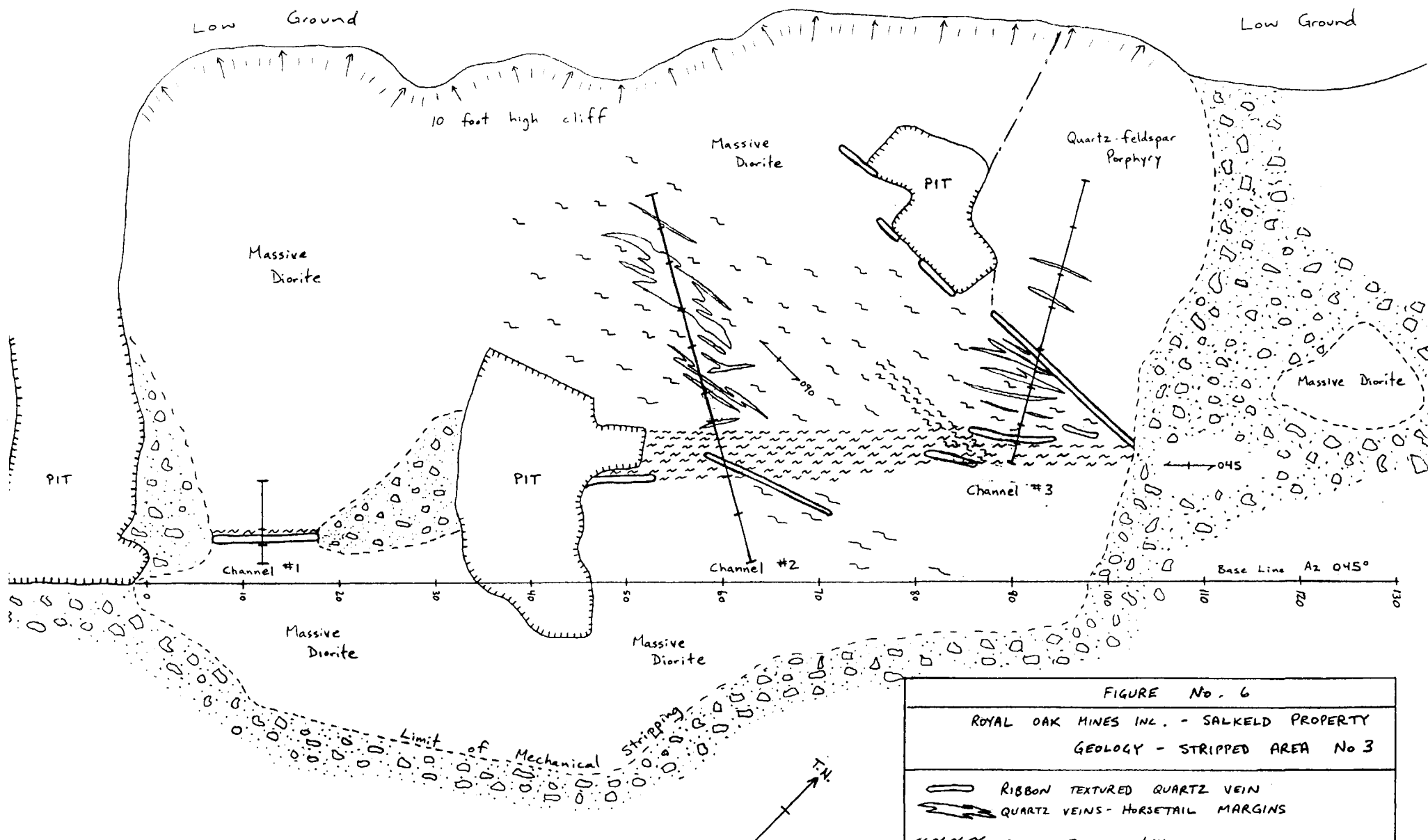
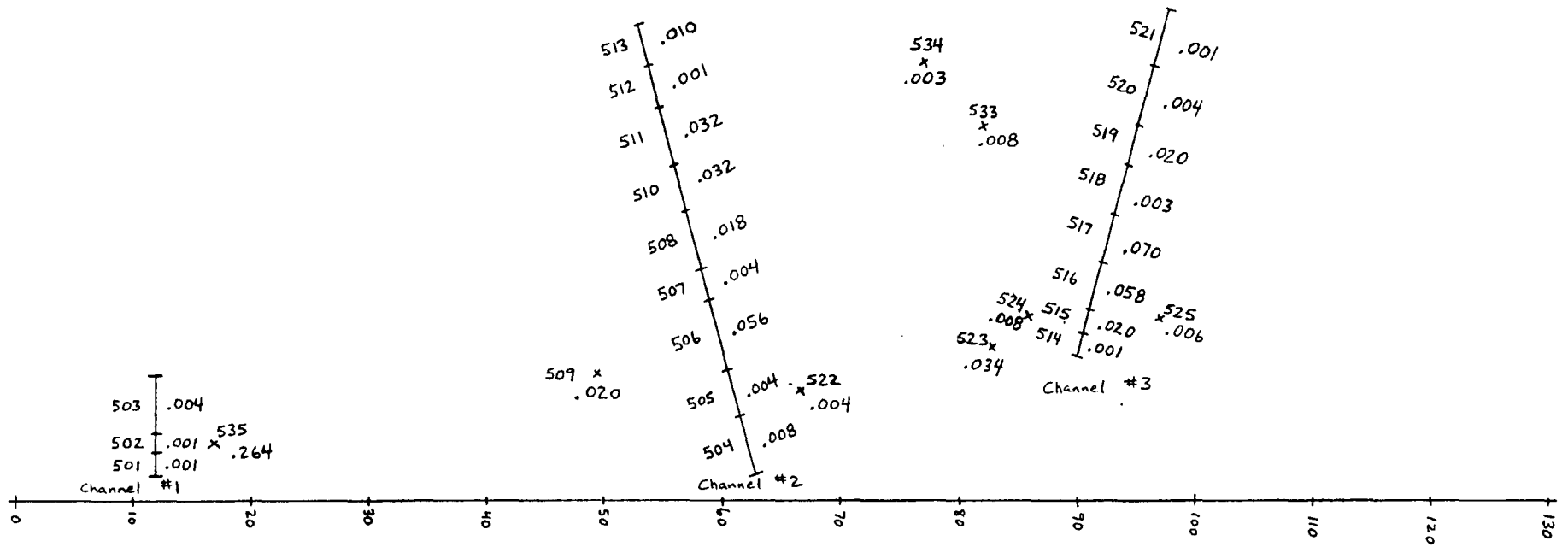


FIGURE No. 6		
ROYAL OAK MINES INC. - SALKELD PROPERTY		
GEOLOGY - STRIPPED AREA No 3		
	RIBBON TEXTURED QUARTZ VEIN	
	QUARTZ VEINS - HORSETAIL MARGINS	
	STRONG FOLIATION / SHEARING	
	WEAK FOLIATION	
Sept '96	0 — 10 feet	P.H.

CLAIM 816312  
 (560' at Az 072°  
 to #1 Post)



CLAIM 816312  
 (560' at Az 072°  
 to #1 Post)

FIGURE No. 6a		
ROYAL OAK MINES INC. - SALKELD PROPERTY		
SAMPLE MAP - STRIPPED AREA No. 3		
CHANNEL SAMPLE	GRAB SAMPLE	
Sample Number   Gold Value o.p.t.	Sample Number x	Gold Value o.p.t.
Sept '96	0 — 10 feet	P.H.

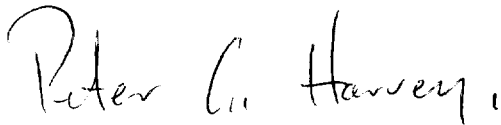
# APPENDIX

### Statement of Qualifications

I, Peter G. Harvey, of the City of Timmins, Province of Ontario, do hereby certify that:

1. I received a B. Sc. degree (Honours) in Geology from Lakehead University, Thunder Bay, Ontario, in 1985;
2. I have been employed as a geologist by numerous mining companies in Ontario since 1985;
3. I have no direct interest in the claim group described in this report, nor on any adjacent or surrounding properties; and
4. This report is based on my direct observations and interpretation as completed during the course of the work described.

Dated this 13th day of September, 1996, Timmins, Ontario



Peter G. Harvey  
Project Geologist  
Royal Oak Mines Inc.

ROYAL OAK ANALYTICAL LABORATORY  
FIRE ASSAY WORK REPORT

DATE: April 3/96

P. Hawey Specials PN-1904

RUN#: \_\_\_\_\_

LAB#	SAMPLE #	DESCRIPTION	BALANCE READING MILLIGRAMS		CALCULATED OPT	
			AU	AU	AU	AU
1	#1	Stripped Area #1			.155	.158
2	#1	Grab of Qtz			.160	
3	#2	Wallrock to above			.003	.003
4	#2	sample			.004	
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

Lab06

ASSAYER: 

ROYAL OAK ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Exploration 5675-1904

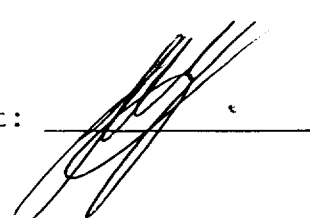
Hole Number: *Salkeld - 1904*

Date Assayed: 09/09/96

Week/Tray: 96SEP02/AF034

	SAMPLE NUMBER	COMMENT	Au-Oz/Ton	Au-PPB
1	AX39519		0.020	685
2	AX39520		0.004	135
3	AX39521		0.001	35
4	CONTROL	Control	0.104	3570
5	AX39522		0.004	135
6	AX39523		0.034	1170
7	AX39524		0.008	275
8	AX39525		0.006	205
9	AX39526		0.004	135
10	AX39527		0.154	5280
11	AX39501		0.001	35
12	AX39502		0.001	35
13	AX39503		0.004	135
14	BLANK	Blank	0.001	35
15	AX39504		0.008	275
16	AX39505		0.004	135
17	AX39506		0.056	1920
18	AX39507		0.004	135
19	AX39508		0.018	615
20	AX39509		0.020	685
21				
22				
23				
24				

Geologist: P. HARVEY

Chief Chemist: 

ROYAL OAK ANALYTICAL LABORATORY

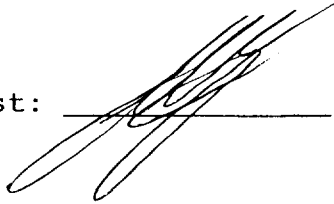
CERTIFICATE OF ANALYSIS

Exploration 5675-1904

Hole Number: *Salkeld - 1904*  
 Date Assayed: 09/09/96  
 Week/Tray: 96SEP02/AF039

	SAMPLE NUMBER	COMMENT	Au-Oz/Ton	Au-PPB
1	AX39510		0.032	1100
2	AX39511		0.032	1100
3	AX39512		0.001	35
4	AX39513		0.010	345
5	AX39514		0.001	35
-----				
6	AX39515		0.020	685
7	AX39516		0.058	1990
8	AX39517		0.070	2400
9	AX39518		0.003	105
10	AX39528		0.002	70
-----				
11	AX39529		0.050	1710
12	AX39530		0.052	1780
13	AX39531		0.038	1300
14	AX39532		0.118	4050
15	AX39533		0.008	275
-----				
16	AX39534		0.003	105
17	AX39535		0.264	9050
18	BLANK	Blank	0.001	35
19	CONTROL	Control	0.101	3460
20				
21				
22				
23				
24				

Geologist: P.HARVEY

Chief Chemist: 

**617002 Ontario Inc.**

Invoice No. 1786  
Invoice Date 3/31/96

(o/a D. M. Dumphy Backhoe)  
Box 211  
Sioux Lookout, Ontario  
P8T 1A3

*Mich. Hanson*

GST# 106453020 807-737-2842

**Royal Oak Mines Inc.**  
Box 2010  
Timminis, Ontario  
P4N 7X7

Quantity	U/M	Item Description	Unit Price	Extension
		March 16, 1996		
6.00	hours	FLOAT Float JD850 tractor from Sioux Lookout, Ontario to jobsite north of Savant Lake, Ontario	75.00	450.00
		March 18, 1996		
6.00	hours	JD850 Tractor Snowplowing & opening roads at claims location	85.00	510.00
		March 19, 1996		
10.00	hours	JD850 Tractor Snowplowing & opening roads at claims location	85.00	850.00

Subtotal 1,810.00  
GST 126.70  
Deposit 0.00  
Net Invoice 1,936.70



# 617002 Ontario Inc.

Invoice No. 1787  
Invoice Date 3/31/96

(o/a D. M. Dumphy Backhoe)  
Box 211  
Sioux Lookout, Ontario  
P8T 1A3

GST# 106453020 807-737-2842

## Royal Oak Mines Inc.

Box 2010  
Timminis, Ontario  
P4N 7X7

Quantity	U/M	Item Description	Unit Price	Extension
		March 20, 1996		
4.00	hours	JD850 Tractor Snowplowing & opening roads at claims location	85.00	340.00
		March 21, 1996		
12.00	hours	JD850 Tractor Snowplowing & opening roads at claims location	85.00	1,020.00
		March 22, 1996		
10.00	hours	JD850 Tractor Snowplowing & opening roads at claims location	85.00	850.00

2% per month interest charged  
on all amounts over 30 days

Subtotal	2,210.00
GST	154.70
Deposit	0.00
Net Invoice	2,364.70

# 617002 Ontario Inc.

Invoice No. 1788  
Invoice Date 3/31/96

(o/a D. M. Dumphy Backhoe)  
Box 211  
Sioux Lookout, Ontario  
P8T 1A3

GST# 106453020 807-737-2842

**Royal Oak Mines Inc.**  
Box 2010  
Timminis, Ontario  
P4N 7X7

Quantity	U/M	Item Description	Unit Price	Extension
		March 25, 1996		
6.00	hours	FLOAT Float JD690 from Sioux Lookout Ontario to jobsite north of Savant Lake, Ontario	75.00	450.00
3.00	hours	FLOAT Float JD850 tractor from old site to new site	75.00	225.00

2% per month interest charged  
on all amounts over 30 days

Subtotal	675.00
GST	47.25
Deposit	0.00
Net Invoice	722.25

# 617002 Ontario Inc.

Invoice No. 1789  
Invoice Date 3/31/96

(o/a D. M. Dumphy Backhoe)  
Box 211  
Sioux Lookout, Ontario  
P8T 1A3

GST# 106453020 807-737-2842

## Royal Oak Mines Inc.

Box 2010  
Timminis, Ontario  
P4N 7X7

Quantity	U/M	Item Description	Unit Price	Extension
March 27, 1996				
10.00	hours	JD690 Backhoe	85.00	850.00
10.00	hours	JD850 Tractor	85.00	850.00
March 28, 1996				
13.00	hours	JD690 Backhoe	85.00	1,105.00
13.00	hours	JD850 Tractor	85.00	1,105.00
March 29, 1996				
13.00	hours	JD690 Backhoe	85.00	1,105.00
13.00	hours	JD850 Tractor	85.00	1,105.00
opening up and cleaning mining claims				

2% per month interest charged  
on all amounts over 30 days

Subtotal	6,120.00
GST	428.40
Deposit	0.00
Net Invoice	6,548.40

# 617002 Ontario Inc.

Invoice No. 1790  
Invoice Date 3/31/96

(o/a D. M. Dumphy Backhoe)  
Box 211  
Sioux Lookout, Ontario  
P8T 1A3

GST# 106453020 807-737-2842

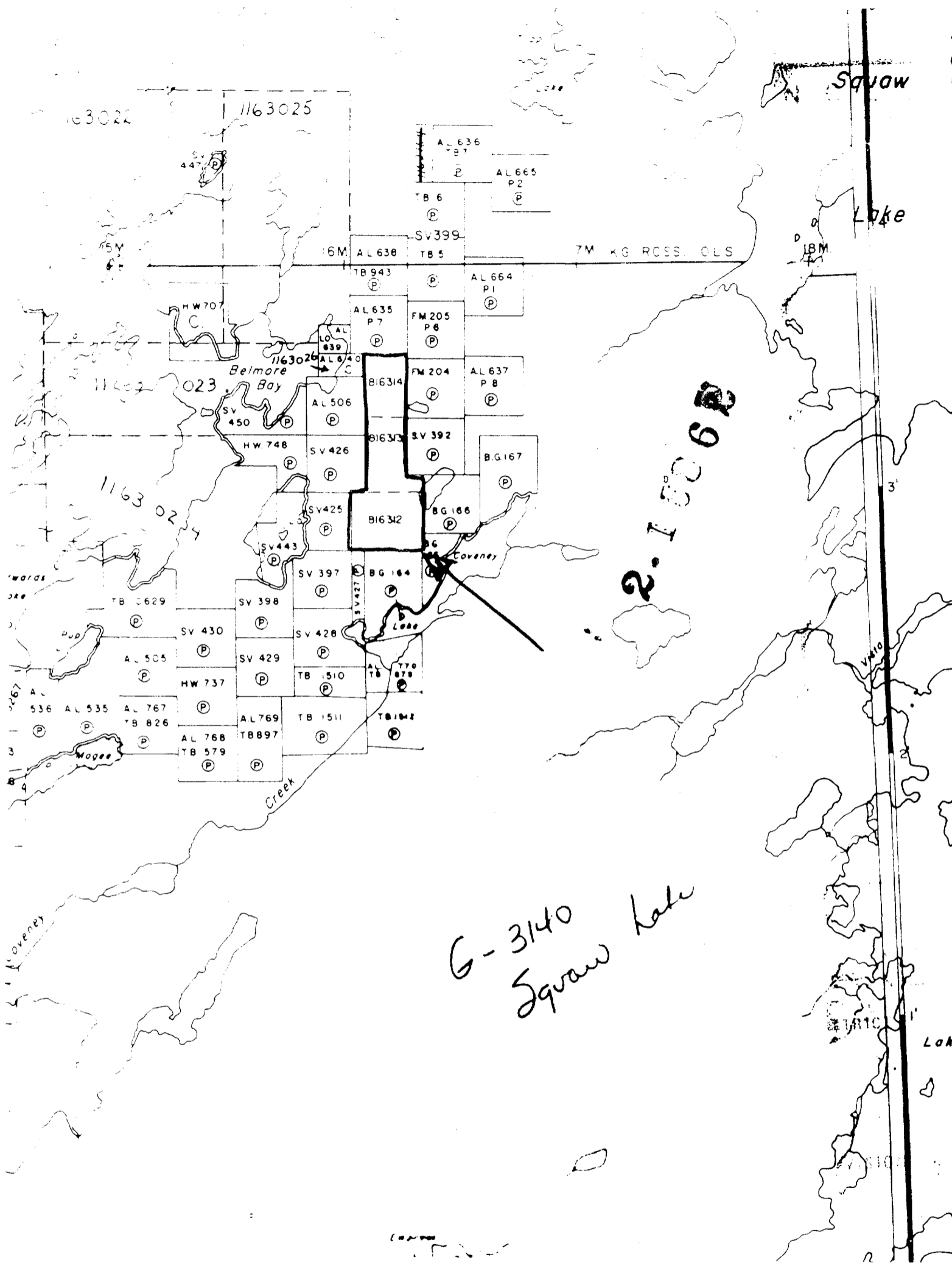
## Royal Oak Mines Inc.

Box 2010  
Timminis, Ontario  
P4N 7X7

Quantity	U/M	Item Description	Unit Price	Extension
		March 30, 1996		
8.00	hours	JD690 Backhoe	85.00	680.00
8.00	hours	JD850 Tractor	85.00	680.00
		opening & cleaning mining claims		
12.00	hours	FLOAT Float JD850 tractor and JD690 Backhoe from jobsite north of Savant Lake Ontario to Sioux Lookout, Ontario	75.00	900.00

2% per month interest charged  
on all amounts over 30 days

Subtotal	2,260.00
GST	158.20
Deposit	0.00
Net Invoice	2,418.20



1163022

1163025

Squaw

Lake

AL 636  
TB 7

AL 665  
P 2

TB 6

SV 399

7M XG ROSS OLS

6M AL 638

TB 5

AL 664  
P 1

TB 943

AL 635  
P 7

FM 205  
P 8

HW 707

Belmore Bay

AL 640

FM 204

AL 637  
P 8

1163023

AL 506

BIG 314

HW 748

SV 426

BIG 312

SV 392

BG 167

1163024

SV 425

BIG 312

BG 166

SV 443

SV 397

BG 164

Coveney

Words

TB 629

SV 398

SV 427

SV 430

SV 428

TB 1510

AL 505

HW 737

TB 1511

TB 1512

467

AL 536

AL 535

AL 767

TB 826

AL 769

TB 1511

TB 1512

3

Mogee

AL 768

TB 897

TB 579

AL 769

TB 1511

TB 1512

Creek

2-1506

G-3140 Squaw Lake

3'

Lake



# Report of Work Conducted After Recording Claim

## Mining Act

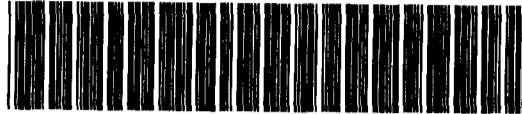
Transaction Number

W9630.00073

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

8.1688

- Instructions:**
- Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for Recorder.
  - A separate copy of this form must be completed.
  - Technical reports and maps must accompany.
  - A sketch, showing the claims the work is being performed on, must be submitted.



52J02SE0011 2.16862 SQUAW LAKE

900

Recorded Holder(s) ROYAL OAK MINES INC	Client No. 136226
Address P.O. Bag 2010, Timmins, Ont. P4N 7X7	Telephone No. 360-1141 705-235-5407
Mining Division SILX LUCKOUT	M or G Plan No. 61346 6-3140
Township/Area SQUAW SURGEON LAKES	
Dates Work Performed From: MAR 15, 1996	To: OCT 7 1996

**Work Performed (Check One Work Group Only)**

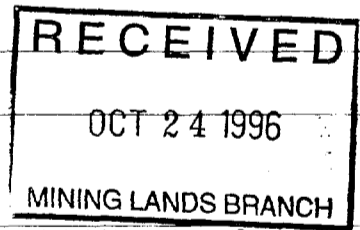
Work Group	Type
Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, Including Drilling	MECHANICAL OVERBURDEN STRIPPING
Rehabilitation	(W20 - PCOMP/PSTRIP)
Other Authorized Work	
Assays	
Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs \$ 18,050

**Note:** The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

**Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)**

Name	Address
D.M. DUMPHY BACKHOE	Box 211, Silx Luckout, Ont. P8T 1A3
Peter Harvey - Author	P.O. Bag 2010, Timmins Ont. P4N 7X7



(attach a schedule if necessary)

**Certification of Beneficial Interest \* See Note No. 1 on reverse side**

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Oct 7 '96	Recorded Holder or Agent (Signature) Peter Harvey
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**Certification of Work Report**

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same, and/or after its completion and annexed report is true.		
Name and Address of Person Certifying Peter Harvey: P.O. Bag 2010, Timmins, Ont P4N 7X7		
Telephone No. 705-360-1141	Date Oct 7 '96	Certified By (Signature) Peter Harvey

OCT 15 11:11

**For Office Use Only**

Total Value Cr. Recorded  # 18050	Date Recorded 96 OCT 15	Mining Recorder Kernack	Received Stamp 
	Deemed Approval Date 97 JAN 13	Date Approved	
	Date Notice for Amendments Sent		



Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit	Total Cost
Mechanical Overburden Stripping	88 hrs Backhoe and Tractor	\$85 <sup>00</sup> /hr	\$ 7480
Winkler/Channel Sampler	4 days x 2 men	\$ 320 /day	\$ 1280
Assays	39 assays	\$ 10 <sup>00</sup> /assay	\$ 390
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
mob/demob Backhoe and Tractor	42 hrs	\$85 <sup>00</sup> /hr	\$ 3570
Float Charges	27 hrs	\$75 <sup>00</sup> /hr	\$ 2025
Swamp buggy rental (A. Best)			\$ 350
<b>Transportation Costs</b>			
Airfare, Truck Rental etc P. Harvey (Mar 27-29)			\$ 1554
Gas P. Harvey, P. Collins Timmins-Sawant-Timmins			319
<b>Food and Lodging Costs</b>			
P. Harvey (Mar 27-28)			189
P. Harvey, P. Collins (Aug 25-31)			

Total Value of Assessment Work 18,050

**RECEIVED**  
OCT 24 1996  
MINING LANDS BRANCH

**Calculations of Filing Discounts:**

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK  $\times 0.50 =$  Total \$ value of work claimed.

**Note:**  
 - Work older than 5 years is not eligible for credit.  
 - A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

**Certification verifying costs:**

I, Peter Harvey (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Project Geologist I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.

Signature: Peter Harvey Date: Oct 7 '96



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

December 19, 1996

Sharon Kemash  
Mining Recorder  
Queen and Fourth  
P.O. Box 3000  
Sioux Lookout, ON  
P8T 1C6

Telephone: (705) 670-5853  
Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.16862

**Subject: Transaction Number(s): W9630.00073**

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We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. We recommend you read this summary for the details pertaining to your assessment work.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Bruce Gates at (705)670-5856.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

ORIGINAL SIGNED BY  
Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mines and Minerals Division

Correspondence ID: 10431  
Copy for: Assessment Library

## Work Report Assessment Results

**Submission Number:** 2.16862

**Date Correspondence Sent:** December 19, 1996

**Assessor:** Bruce Gates

**General Comment:**

An excellent report accompanies this submission.

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<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9630.00073	816312	SQUAW LAKE, STURGEON LAKE	Approval	December 18, 1996

**Section:**

10 Physical PSTRIP

**Correspondence to:**

Mining Recorder  
Sioux Lookout, ON

Resident Geologist  
Sioux Lookout, ON

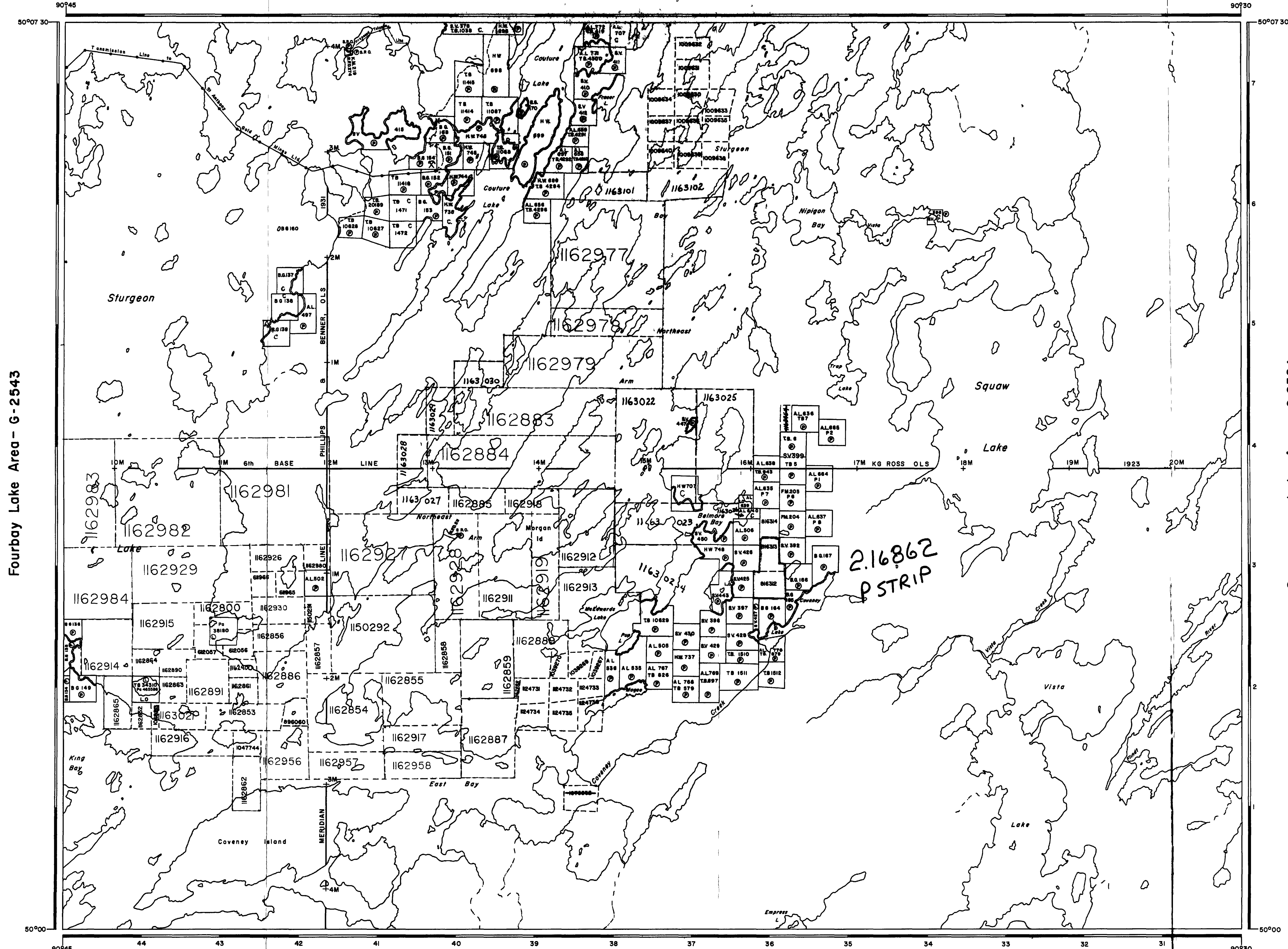
Assessment Files Library  
Sudbury, ON

**Recorded Holder(s) and/or Agent(s):**

Peter Harvey  
ROYAL OAK MINES INC.  
Timmins, Ontario

H.P. 1 1/2 @  
 Apr-29/12 R  
 Jan 28/14 (Rec)  
 948404 (C)  
 n 4 1/2  
 in 1/4  
 Oct 20/12 R  
 Nov 20/12 R  
 Jan 20/13 R  
 Feb 20/13 R  
 Mar 20/13 R  
 Apr 20/13 R  
 May 20/13 R  
 Jun 20/13 R  
 July 20/13 R  
 Aug 20/13 R  
 Sept 20/13 R  
 Oct 20/13 R  
 Nov 20/13 R  
 Dec 20/13 R  
 SEP 25/95 R  
 SEP 27/95 R  
 Apr 19/96 R  
 Apr 19/96 R  
 960014 (R)

Beckington Lake Area G-2532



Fourbay Lake Area - G-2543

Sesegonaga Lake Area - G-2524

Quest Lake Area - G-2556

96 OCT 15 P2:55  
 MINING RECORDER  
 PATRICIA  
 MINING DIVISION

**LEGEND**

PATENTED LAND	⊙
CROWN LAND SALE	⊙
LEASES	⊙
LOCATED LAND	⊙
LICENSE OF OCCUPATION	⊙
MINING RIGHTS ONLY	MRO
SURFACE RIGHTS ONLY	SRO
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—
CANCELLED	—

**REFERENCES**

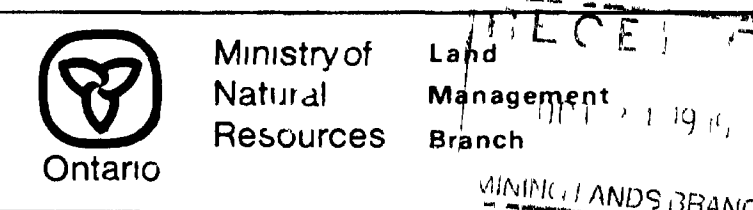
AREAS WITHDRAWN FROM DISPOSITION

MRO - MINING RIGHTS ONLY  
 SRO - SURFACE RIGHTS ONLY  
 M+S - MINING AND SURFACE RIGHTS

Description	Order No	Date	Disposition	File

2.16862  
 2.16862

AREA  
**SQUAW LAKE**  
 MNR ADMINISTRATIVE DISTRICT  
**DRYDEN**  
 MINING DIVISION  
**PATRICIA**  
 LAND TITLES / REGISTRY DIVISION  
**THUNDER BAY**



Date: FEBRUARY 1984  
 Number: **G-3140**

