

42A06SW2009

2.19891

Royal Oak - 1998 Field Grid

Royal Oak - Deloro Magnesite Deposit

010

PENTLAND FIRTH VENTURES LTD.

Page: 1 of 3

Property: EASTING:

700.000

-160.000

DRILL HOLE RECORD

Drill Hole: KDE99-01 Township: DELORO

NORTHING: Elevation: Grid:

.000

*** Dip Tests ***

Claim #: P-850094 Date Started:

Collar Azm.: Collar Dip:

180 -45 \Ref1 Depth Azm Dip 77 180

November 16, 1999 Completed: November 17,1999 Logged by: Gord Yule

Local Ref: 77.0 Hole Length: 21 Nov, 1999 Print Date:

Date(s) Logged: November 17, 1999 NOREX DRILLING LTD. Drilled by: Core Size:

Purpose:

Drill on Section 80 m to the west of previous drilling on West Magnesite Zone

metres

Company:

PFVL.

Comments:

Hole Condition: 3.0 m BW Casing left downhole

Collar is located 148 m West, and 167 m south of #1 post - P850094

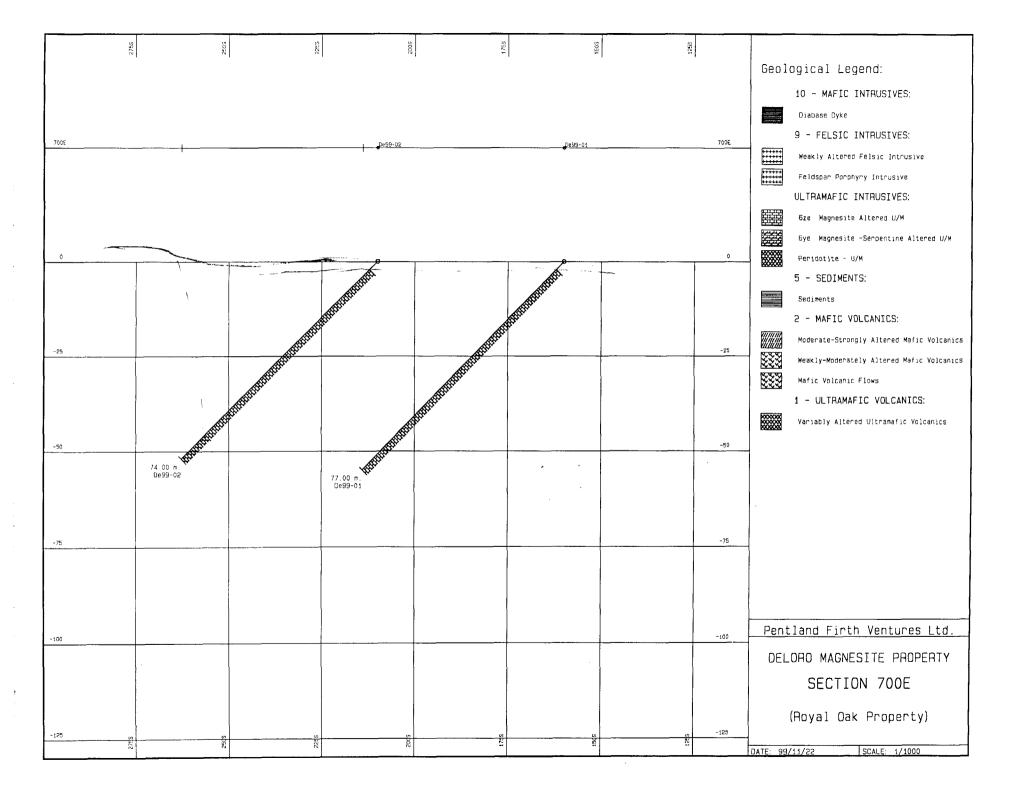
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From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt	Qtz (%)	FeOx (%)	Mafic (%)	Talc (%)	MgCO3 (%)
("")	(111)	Type		 	(11)	("")	()	(/0)	(%)	(%)	(%)	(%)
.0	3.0	5 6 5 E	OVERBURDEN RECEIVED									
		2000										
		25.7	NOV 2 4 1999									
3.0	77 N		MAGNESITE ALTERED ULTRAMAFIC									
3.0	.,			00001	3.0	5.0	2.0	20.0	2.0	.00	30.00	55.00
			GEOSCIENCE ASSESSMENT OFFICE	00002	1 1	8.0		20.0	2.0		30.00	
			Unit is a massive, soft to moderately hard, light grey-green to weakly	00003				20.0	3.0 5.0	.00	30.00 30.00	
		量	buff-brown coloured, with a very pale purply hue, coarse grained	00005	14.0			20.0	3.0	.00		
			re-crystallized, non-foliated, Magnesite Altered Ultramafic.	00006	17.0	20.0	3.0	20.0	2.0	.00	35.00	50.00
		霊	Unit is weakly marbled with minor, mm thin bands of black styolites of specular	00007	20.0	23.0		20.0	5.0	.00		
			hematite, IRON OXIDES at 30-70 degrees to the core axis. Fine grained disseminated shiny black specular hematite crystals throughout.	00008		26.0 29.0		20.0	4.0 4.0			
			Minor creamy-yellow to orangy magnesite - quartz veins at up to 1 cm,	00010				20.0	4.0			
			crosscutting core at 75 degrees to the core axis.	00011					4.0	.00	30.00	
		三三	Locally limonitic brown weathered jointing.	00012 00013		38.0		20.0	3.0			
			Locally fine grained, light green, magnesite. Fine grained, bladed, pearly white talc is interstitial to magnesite.	00013	41.0	41.0 44.0		20.0	3.0 3.0	.00		
			Weak magnesite with black iron oxide appears as a fabric at 40-50 degrees to	00015	44.0	47.0		20.0	4.0	.00		50.00
			the core axis.	00016	47.0	50.0		20.0	4.0	.00	30.00	50.00
			Minor fine grained, disseminated, silicate crystals of black tourmaline	00017		53.0	3.0	20.0	4.0	.00	30.00 35.00	
			throughout. These crystals are usually observed as a stubby habit end on, but also occur as minor acicular rosettes.	00018					9.0 5.0	.00	30.00	
			atso occur as minor acreatar reserves.	00020			3.0		4.0	.00	30.00	
			At 9.2 meters, 6 cm sharp, milky-white quartz vein at 30 degrees to the core	00021	62.0	65.0			4.0	.00	35.00	45.00
		三国	axis. No sulphide. Sharp contacts.	00022					4.0	.00		50.00
			At 12.0-12.25 meters, sharp, milky-white quartz vein with no sulphide at 60 degrees to the core axis.	00023	68.0 71.0				4.0	.00	30.00	50.00
			At 15.25 meters, 1 cm mirolitic - vuggy quartz vein at 80 degrees to the core	00025		77.0			4.0	.00	30.00	50.00
			,,,,,								i	
	L	اـــــــــــــــــــــــــــــــــــــ		JL	<u></u>		الـــــا					

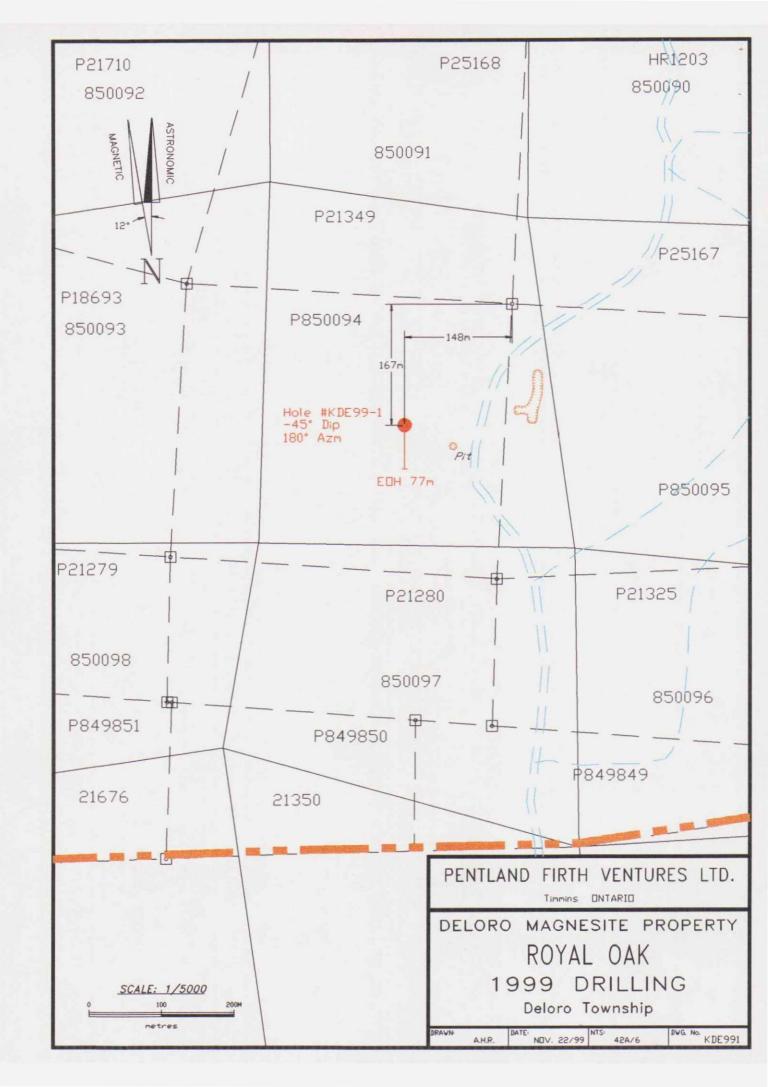
Hole No: KDE99-01 Page: 2 of 3

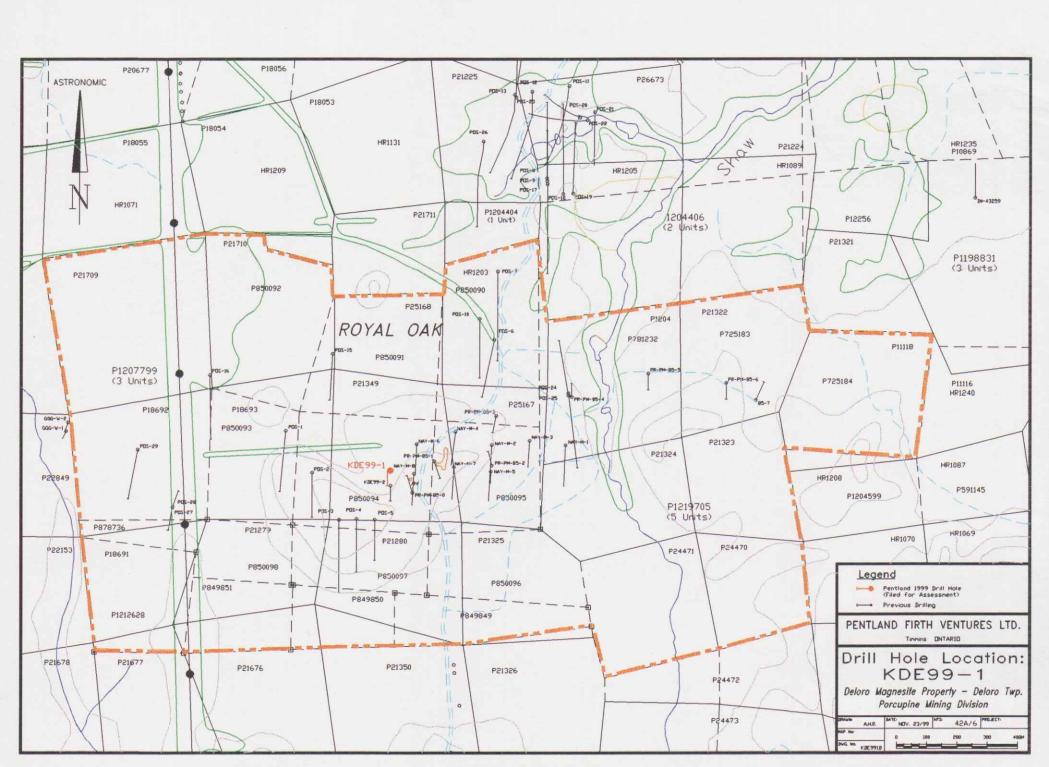
From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	Qtz (%)	FeOx (%)	Mafic (%)	Talc (%)	MgCO3 (%)
			axis. At 17.0-20.0 meters, weak fabric at 40-50 degrees to the core axis. At 21.2-21.26 meters, sharp, milky-white quartz vein at 80 degrees to the core axis. At 23.5-23.55 meters, sharp, milky-white quartz vein at 80 degrees to the core axis. At 24.2-24.25 meters, sharp, milky-white quartz vein at 40 degrees to the core axis. No sulphide. At 24.72-24.79 meters, sharp yellow cream magnesite vein at 65 degrees to the core axis. At 31.7-32.0 meters, folded or contorted magnesite - quartz vein at 60 degrees to the core axis. At 32.37-32.39 meters, creamy yellow magnesite vein at 60 degrees to the core axis. At 32.42-32.46 meters, creamy yellow magnesite vein at 60 degrees to the core axis. At 36.05-36.08 meters, creamy yellow magnesite vein at 50 degrees to the core axis. At 36.57-37.66 meters, creamy yellow magnesite vein at 50 degrees to the core axis. At 40.38-40.45 meters, creamy yellow magnesite vein at 45-70 degrees to the core axis. At 41.2-41.27 meters, creamy yellow magnesite vein at 80 degrees to the core axis. At 48.09-48.18 meters, creamy yellow magnesite vein at 80 degrees to the core axis. At 64.01-64.07 meters, creamy yellow vein at 50 degrees to the core axis. At 64.05-62.0 meters, milky white quartz vein at 30 degrees to the core axis. At 64.58-64.85 meters, creamy yellow vein at 50 degrees to the core axis. At 64.58-64.85 meters, creamy yellow vein at 70 to core axis. At 65.85 meters, Jointed fracture at 30 degrees to the core axis, perpendicular to specular hematite fabric. At 72.2-72.28 meters, creamy yellow magnesite veins at 70 degrees to the core axis.									
			Sample intervals reflect a visual mineralogical estimate. 3.0 5.0 Magnesite veins 5 cm apart, fine grained talc, fine disseminated peppery specular hematite. 5.0 8.0 Trace disseminated specular hematite. 8.0 11.0 Very fine grained limonitic specular hematite stringers at 60-70 degrees to the core axis. 11.0 14.0 Dark disseminated and stringers of specular hematite, 25 cm quartz vein. 14.0 17.0 Medium grey magnesite. 17.0 20.0 Orangy limonitic stained magnesite.									

Hole No: KDE99-01 Page: 3 of 3

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	Qtz (%)	Fe0x (%)	Mafic (%)	Talc (%)	MgCO3 (%)
	20.0 23.0 Fine grained disseminated, and fine grained stringers of specular hematite - fe oxides. 23.0 26.0 Minor hematite red specular hematite stringers - 50-70 degrees to the core axis. 26.0 29.0 Pale pink hue of magnesite. 29.0 32.0 Metre grey, recrystallized magnesite. 32.0 35.0 Metre grey, recrystallized magnesite. 35.0 38.0 Minor fine grained, disseminated black tourmaline crystals in creamy yellow to pale reddish hematitic magnesite. 38.0 41.0 Fine grained, grey magnesite. 41.0 44.0 Same as above. 44.0 47.0 Same as above. 47.0 50.0 Same as above. 50.0 53.0 Same as above. 50.0 53.0 Same as above. 50.0 Specular hematite at 80 degrees to the core axis. 56.0 59.0 Specular hematite banding at 50-60 appears to replace a primary fabric within the original rock type. 59.0 62.0 Massive, magnesite. 62.0 65.0 Light green fine grained, magnesite with 5% cream yellow magnesite vein at 40-80 degrees to the core axis. 65.0 68.0 Massive, light grey, recrystallized magnesite. 68.0 71.0 Massive, light grey, recrystallized magnesite. 71.0 74.0 Massive, light grey, recrystallized magnesite. 74.0 77.0 Massive, light grey, recrystallized magnesite.											
			At 77.0 meters, END OF HOLE. No Samples analysed. Visual Mineralogical estimates. DRILLING BY NOREX DIAMOND DRILLING LTD., PORCUPINE. Core is racked at Pentland's field office in Porcupine, Ontario and will be eventually be cross-piled at Pentland's core storage facility at Marlhill.									









42A06SW2009 2.19891 DELORO

020

PENTLAND FIRTH VENTURES LTD.

Page: 1 of 4

Property: EASTING:

700.000

Royal Oak - Deloro Magnesite Deposit

DRILL HOLE RECORD

Drill Hole: KDE99-02 Township: DELORO

NORTHING: Elevation: -210.000 .000

*** Dip Tests ***

Claim #: P-850094

Grid: Royal Oak - 1998 Field Grid Collar Azm.:

Depth Azm Dip

Date Started: November 17, 1999 Completed: November 17,1999

Collar Dip: -45 \Ref1 Local Ref:

180 -44

Logged by: Gord Yule Date(s) Logged: November 18, 1999

74.0 Hole Length: metres Print Date: 21 Nov, 1999

2.1989 Drilled by: Core Size:

NOREX DRILLING LTD. BQ

Purpose:

Company: Drill on Section 80 m to the west of previous drilling on West Magnesite Zone, and 50 m south of KDE99-01

Hole Condition: 3.0 m BW Casing left downhole

Comments:

Collar is located 148 m West, and 217 m south of #1 post - P850094

		ments:						ν			· · · · ·		I
From (m)	To (m)	Rock Type	Geology		Sample	(m)		Lngt (m)	Qtz (%)	FeOx (%)	Mafic (%)	Talc (%)	MgCO3 (%)
.0	3.2	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	OVERBURDEN RECEIVE NOV 2 4 199	1									
3.2	65.0		MAGNESITE ALTERED ULTRAMAFIC (6ze). Unit is a massive, soft to moderately hard, light grey-green to buff-brown coloured, with a very pale purply hue, coarse gre-crystallized, non-foliated, Magnesite Altered Ultramafic. Unit is weakly marbled with minor, thin bands of black styolites of sphematite, iron oxides at 30 and 70 degrees to the core axis. Fine grainsed shiny black specular hematite crystals throughout. Minor creamy-yellow to orangy magnesite - quartz veins at up to crosscutting core at 75 degrees to the core axis. Locally limonitic brown weathered jointing. Locally fine grained, light green, magnesite. Locally, the core exhibits light green, soft, serpentine. Fine grained, bladed, pearly-white talc is interstitial to magnesite. Weak magnesite with black iron oxide appears as a fabric at 40-50 degree the core axis. Minor fine grained, disseminated, silicate crystals of black tour throughout. These crystals are usually observed as a stubby habit end of also occur as minor acicular rosettes. At 3.2-5.0 meters, RQD 40%. The RQD for the rest of hole is 90-95%. At 3.2-3.5 meters, Milky white quartz vein at 5-10 degrees to the core axis At 13.0-14.0 meters, contorted specular hematite styolites. At 13.6-14.5 meters, weak limonitic stained massive Magnesite A	weakly grained becular grained 1 cm,	00026 00027 00028 00029 00030 00031 00032 00036 00036 00037 00038 00040 00041 00042 00043 00044 00045	5.0 8.0 11.0 14.0 17.0 20.0 23.0 26.0 29.0 32.0 35.0 41.0 44.0	8.0 11.0 14.0 17.0 20.0 23.0 26.0 32.0 35.0 38.0 41.0 44.0 50.0	3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	4.0 3.0 3.0 5.0 5.0 5.0 5.0 6.0 3.0 4.0 4.0 4.0 4.0	.00 .00 .00 .00 .00 .00	30.00 30.00 35.00 35.00 30.00 30.00 30.00 30.00 30.00 25.00 25.00	50.00 50.00 50.00 50.00 50.00 50.00 50.00 45.00 45.00 45.00 45.00 50.00 45.00 35.00

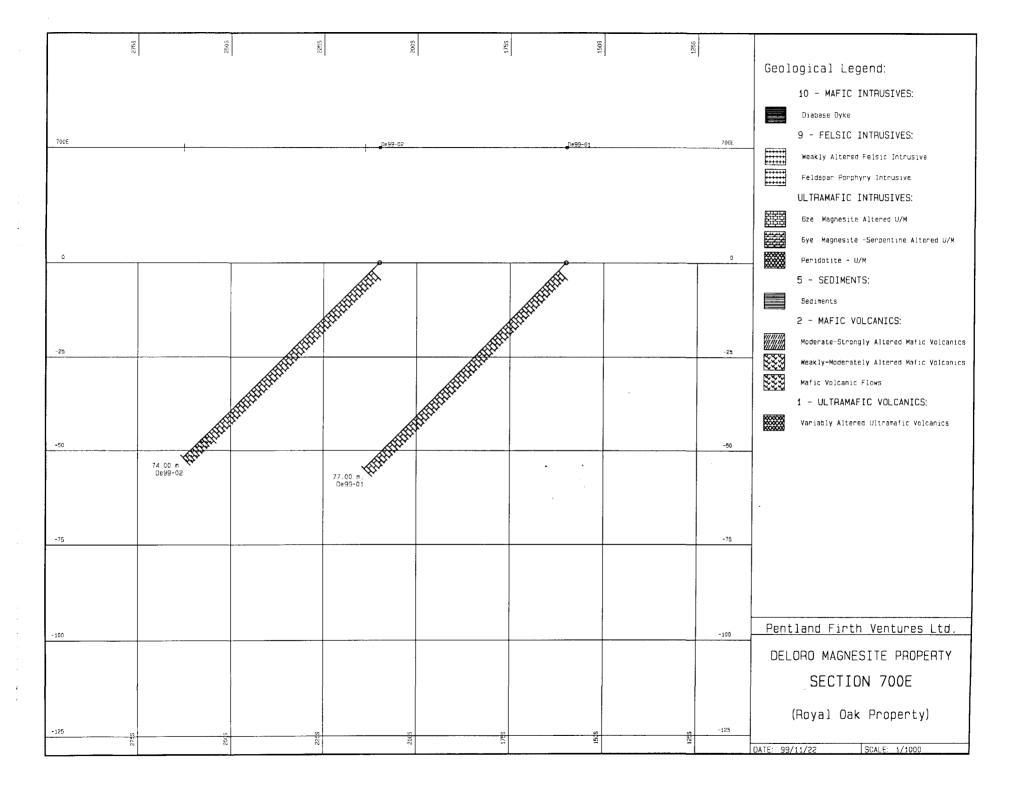
Hole No: KDE99-02 Page: 2 of 4

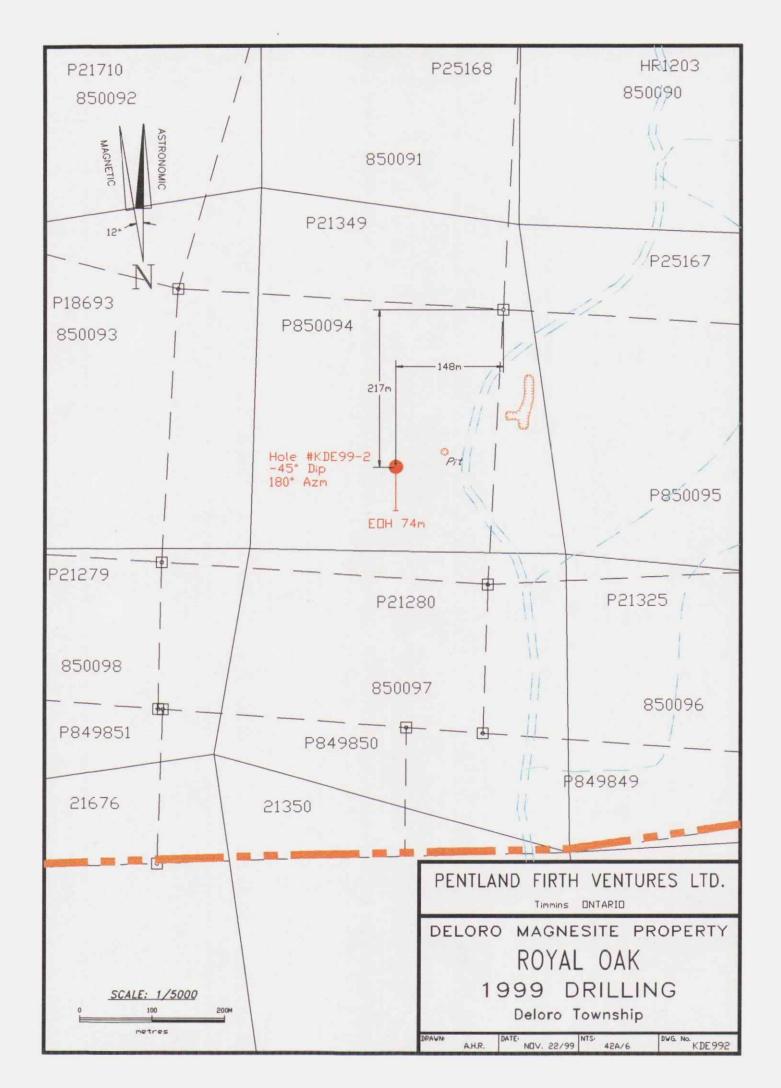
From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	Qtz (%)		Mafic (%)	Talc (%)	MgCO3 (%)
			Ultramafic, enveloping the vein documented below. At 13.8-14.2 meters, sharp, milky-white quartz vein with no sulphide at 60 degrees to the core axis. A second, 2 mm wide, veinlet at 5 degrees to the core axis. At 14.5-18.0 meters, lineation oriented specular hematite styolites. At 20.5-20.62 meters, sharp, milky-white quartz vein with locally 5% fine grained crystals of black tourmaline at contacts, at 30 degrees to the core axis At 21.0-21.1 meters, Creamy yellow magnesite vein at 25 degrees to the core axis. At 23.5-23.55 meters, sharp, milky-white quartz vein at 80 degrees to the core axis. At 22.7-22.75 meters, sharp, milky-white quartz vein at 40 degrees to the core axis. At 27.8 meters, sharp light emerald green, fine grained, soft, serpentine vein at 20 degrees to the core axis. At 27.8 meters, sharp vein of light emerald green coloured, soft, serpentine at 20 degrees to the core axis. At 29.5-58.5 meters, fine grained, light grey, magnesite with rare serpentine. At 32.3-32.32 meters, white magnesite with light green to pearly, soft talc vein at 80 degrees to the core axis. At 38.26-38.35 meters, white to light emerald green magnesite vein at 75 degrees to the core axis. At 39.92-40.0 meters, Creamy yellow magnesite vein at 50 degrees to the core axis. At 41.0-41.03 meters, specular hematite banding at 70 degrees to the core axis. At 44.0-45.3 meters, specular hematite banding at 70 degrees to the core axis. At 50.3-54.7 meters, specular hematite banding at 70 degrees to the core axis. At 50.4-51.3 meters, specular hematite banding at 70 degrees to the core axis. At 55.0-45.3 meters, gradational increase in serpentine vein at 55 degrees to the core axis. At 55.0-45.3 meters, pacular hematite banding at 70 degrees to the core axis. At 55.0-45.9.88 meters, white magnesite, minor serpentine vein at 40 degrees to the core axis. At 58.5-65.0 meters, gradational increase in serpentinized core, very minor light emerald green serpentine disseminated throughout. At 59.8-59.88 meters, Vuggy wh									
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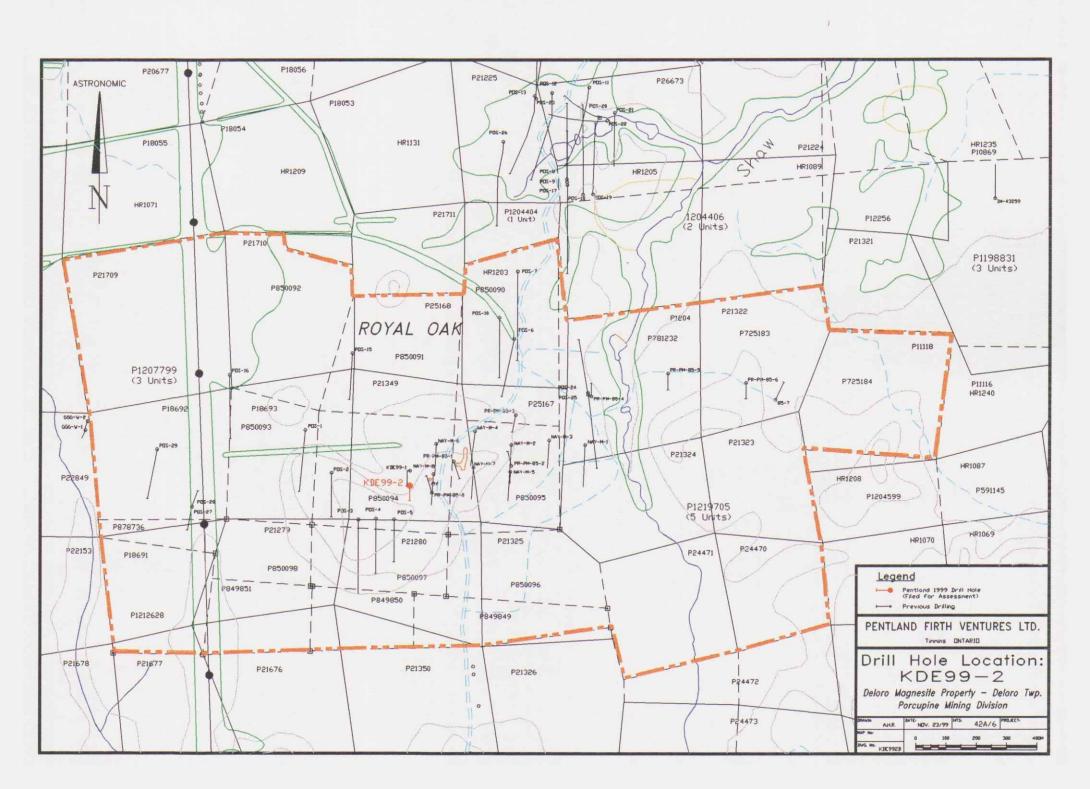
Hole No: KDE99-02 Page: 3 of 4

From (m)	To (m)	Rock Type	Geology	Sample	From (m)	To (m)	Lngt (m)	Qtz (%)	FeOx (%)	Mafic (%)	Talc (%)	MgCO3 (%)
			 8.0 11.0 Locally 3% light green serpentine, disseminated specular hematite crystals and stringers. 11.0 14.0 Dark disseminated and stringers of specular hematite. 14.0 17.0 Medium grey magnesite. 17.0 20.0 Same as above. 20.0 23.0 Magnesite veins, fine grained disseminated, and fine grained stringers of specular hematite fe oxides. 23.0 26.0 Minor specular hematite stringers at 50-70 degrees to the core axis, 1 cm serpentine vein. 26.0 29.0 Pale green fine grained serpentine - talc vein, magnesite. 29.0 32.0 Metre grey, recrystallized magnesite. 32.0 35.0 Minor fine grained serpentine, metre grey, recrystallized magnesite. 35.0 38.0 Minor indistinct, serpentine, with magnesite, and minor disseminated, fine grained specular hematite. 38.0 41.0 Fine grained, light grey magnesite, minor serpentine vein. 41.0 44.0 Same as above. 44.0 47.0 Same as above. 45.0 53.0 Same as above, minor serpentine intermixed. 53.0 56.0 Massive, fine grained, light grey to pale mauve coloured magnesite with fine grained, black specular hematite at 80 degrees to the core axis. 56.0 59.0 Massive, light grey to pale mauve coloured magnesite. 59.0 62.0 Massive, light grey to pale mauve coloured magnesite with 5% cream yellow magnesite vein at 40-80 degrees to the core axis. 									
65.0	74.0		MAGNESITE - SERPENTINE ALTERED ULTRAMAFIC (6ye). Unit is a massive, soft to moderately hard, light emerald green and light grey coloured zone of magnesite and serpentine. Unit is coarse grained re-crystallized, non-foliated, Magnesite Altered Ultramafic gradual to Magnesite - Serpentine Altered Ultramafic. Unit is increasingly serpentinized from unit up hole, with an attractive light emerald green coloured, mottled appearance. The moderately hard, light grey magnesite has a very pale purply hue, due to trace amounts of specular hematite. Unit is weakly marbled with very minor, thin bands of black styolites of specular hematite, iron oxides at 30 and 70 degrees to the core axis. Very fine grained disseminated shiny black specular hematite crystals throughout. Weak magnesite with black iron oxide appears as a fabric at 40-50 degrees to the core axis.	00047 00048 00049	1	71.0	3.0 3.0 3.0	15.0	4.0 4.0	10.00	15.00 15.00 15.00	20.00

From Τo Rock Geology Sample From Τo Qtz Lngt Fe0x Mafic Talc MqC03 (m) (m) Type (m) (m) (m) (%) (%) (%) (%) (%) Minor creamy white magnesite - quartz veins at up to 1 cm. crosscutting core at 75 degrees to the core axis. Locally, the core exhibits light green, soft, serpentine. Fine grained, bladed, pearly-white talc is interstitial to magnesite. Weak magnesite with black iron oxide appears as a fabric at 40-50 degrees to the core axis. Very minor, fine grained, disseminated, silicate crystals of brown and black tourmaline throughout. These crystals are usually observed as a stubby habit end on, but also occur as minor acicular rosettes. At 67.12 meters, 1 cm, white magnesite vein at 50 degrees to the core axis. At 67.56 meters, 2 cm, white magnesite vein at 65 degrees to the core axis. At 67.90 meters, 5 cm, white magnesite and light emerald green serpentine vein at 60 degrees to the core axis. At 68.76-69.1 meters, massive, fine grained, soft, talcose chloritic green coloured, mafic dyke at 85 degrees to the core axis. Sharp contacts. At 72.0-74.0 meters, light emerald green serpentine with white magnesite intermixed. 65.0 68.0 Massive. intermixed serpentine and light grey recrystallized magnesite at 30:70. 68.0 71.0 Massive. intermixed serpentine and light grey recrystallized magnesite at 60:40. 71.0 74.0 Massive, intermixed serpentine and white recrystallized magnesite at 50:50. At 74.0 meters, END OF HOLE. No Samples analysed. Visual Mineralogical estimates. DRILLING BY NOREX DIAMOND DRILLING LTD., PORCUPINE. Core is racked at Pentland's field office in Porcupine, Ontario and eventually cross-piled at Pentland's core storage facility at Marlhill.









Declaration of Assessment Work

Performed on Mining Land

Minima Act Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) W9960.00449

Assessment Files Research Imaging

1999

<u>Nou.24</u>

Fax Number

(705)235-2433



Agenths Address

P.O. Box 1690, South Porcupine, Ontario PON 1HO

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ne authority of subsections 65(2) and 66(3) of the Mining Act. Under rd. This information will be used to review the assessment work and lection should be directed to a Provincial Mining Recorder, Ministry pad, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.

2 • 1989 1 Recorded holder(s) (Attach a list if necessary) Name Client Number Royal Oak Mines Inc. 136226 Address Telephone Number P.O. Bag 2010 (705)360-1141 Timmins, Ontario fax Number (705)360-1532 Name Client Number Address Telephone Number Fax Number 2. Type of work performed: Check (\checkmark) and report on only ONE of the following groups for this declaration. prospecting, surveys Physical: drilling stripping, Rehabilitation assays and work under section 18 (regs) trenching and associated assays Work Type Office Use Diamond Drilling Commodity Total \$ Value of Work Claimed Dates Work From 15 11 99 Τo 18 NTS Reference Year Month Month 1 Year Performed Day Day Global Positioning System Data Township/Area Mining Division (if available) Deloro Porcupine M or G-Plan Number Resident Geologist District Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; provide proper notice to surface rights holders before starting work; complete and attach a Statement of Costs, form 0212; provide a map showing contiguous mining lands that are linked for assigning work; include two copies of your technical report. 3. Person or companies who prepared the technical report (Attach a list if necessary) Name Telephone Number Gord Yule - Pentland Firth Ventures Ltd. (705)235-2311 Box 1690 Address Fax Number South Porcupine, Ontario PON 1HO (705)235-2433 Name Telephone Number Address Fax Number NOV 2 5 1393 Name Telephone Number NOV 24 Address GEOSCIENCE ASSESSMENT Fax Number 5 WA w PORCUPINE MINING DIVISION Certification by Recorded Holder or Agent Andrews - In the domination of after its Kathryn this Déclaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true. Signature of Recorded Holder of Agent Date (

deemed: 40h 21/2000

Telephone Number

(705)235-2311

Mining work	was performed, at the time w Claim Number. Or if was done on other eligible	Number of Claim Units. For other	Value of work performed on	Value of work applied to this	Value of work assigned to other	Bank. Value of work to be distributed
minin colum	g land, show in this n the location number	mining land. list hectares.	this claim or other mining	claim.	mining claims.	at a future date
indic	ated on the claim map.		land.	$\frac{12.19}{2}$	891	
1	850094	1	\$10,117	\$0	\$10,000	\$117
2	850091	1	\$0	\$1,200	\$0	\$0
3	850098	1	\$0	\$1,200	\$0	\$0
4	850097	1	\$0	\$1,200	\$0	\$0
5	850096	1	\$0	\$1,200	\$0	\$0
6	849850	1	\$0	\$800	\$0	\$0
7	849851	1	\$0	\$800	\$0	\$0
8	849849	1	\$0	\$800	\$0	\$0
9	878736	1	\$0	\$400	\$0	\$0
10	1212628	1	\$0	\$400	\$0	\$0
11	725183	1	\$0	\$400	\$0	\$0
12	725184	1	\$0	\$400	\$0	\$0
13	781232	1	\$0	\$400	\$0	\$0
14	850090	1	\$0	\$400	\$0	\$0
15	850095	1	\$0	\$400	\$0	\$0
	Column Totals		\$10,117	\$10,000	\$10,000	\$117
where	ection 7 (1) of the Assessme the work was done.				ork credits are eligib ns or for application	
3 igila t	We of Recorded Holder of Agent Aud	125011 11 121119		Now. 24 19	99	
6.	Instructions for cutting b	ack credits that a	are not approved.	Y		
	of the credits claimed in t ritize the deletion of credi		y be cut back. Pleas	se check (√) in the	boxes below to show h	ow you wish to
	\square 1. Credits are	to be cut back fro	m the Bank first, fo	llowed by option 2 o	r 3 or 4 as indicated	ı .
	☐ 2. Credits are	to be cut back sta	rting with the claim	ns listed last, worki	ng backwards; or	
	☐ 3. Credits an	e to be cut back e	equally over all cla	ims listed in this de	eclaration; or	
	□ 4. Credits an	e to be cut back s	e prioritized on the	e attached annendix (or as follows (descri	ne) •
	_ 4. Credits at	e to be tut buck a	as prioricized on the	accadined appendix	or as fortons (describe	<i>ــــ,.</i>
Note	: If you have not indicated followed by option number		are to be deleted, c	redits will be cut be	ack from the Bank fir	st,
	Office Use Only	·-·.				
Rece	ived Stamp		Deen	med Approved Date	Date Notif	ication Sent
		=1	Date	e Approved	Total Valu	e of Credit Approved
۳- ۱۱ ۱۹	NEGELVE		Appr	roved for Recording b	by Mining Recorder (Si	gnature)
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	1-350h					
	1 4/17					

0241 (06/97)



Statement of Costs for Assessment Credit

Transaction Number (office use)

2.19801

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, this 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 a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 685.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	151 metres	\$43.45/metre	\$6,50
G. Yule - Supervision/Core Logging	4 days	\$300/day	\$1,2
J. Trivers -Field Assistance/ Core Grabbing/Sample Preparation	4.5 days	\$175/day	\$7
K. Andrews-Smith - Data Preparation	14 hours	\$14.00/hour	\$1
A. Rentilis - Drafting	24 hours	\$41.75/hour	\$1,0
Associated tosts (e.g. supptiii	es, mobilization and demobilization). Core Shack Rental	2.5 days a \$28/day	\$
	ortation Costs		\$2
	Fuel		\$1
Food and	d Lodging Costs		
	Total V	alue of Assessment Work	\$10,1

Calculations of Filing Discounts:

- 1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
- 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

x 0.50 =

Total \$ value of worked 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.

Certificati	on ver	ifvina	costs:
cci ci i i caci		, , , , , , , ,	

I, Kathryn Andrews S. It do hereby certify, that the amounts shown are as accurate as may reasonably

(please print full name)
pe determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying

I am authorized to make this certification.

[D) F CEIV F Necorded holder, agent, or state company position with signing authority)

1:35PM

Signature

Date

New 24 19 9

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

December 15, 1999

Dear Sir or Madam:

Kathryn Andrews Smith ROYAL OAK MINES INC. P.O. BOX 2010 TIMMINS, ONTARIO PON 1H0



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

Telephone: (888) 415-9845 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Submission Number: 2.19891

Status

Subject: Transaction Number(s): W9960.00449 Approval

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. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

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

If you have any questions regarding this correspondence, please contact STEVE BENETEAU by e-mail at steve.beneteau@ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.19891

Date Correspondence Sent: December 15, 1999

Assessor: STEVE BENETEAU

Transaction

First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9960.00449

850094

DELORO

Approval

December 14, 1999

Section:

Number

16 Drilling PDRILL

Correspondence to:

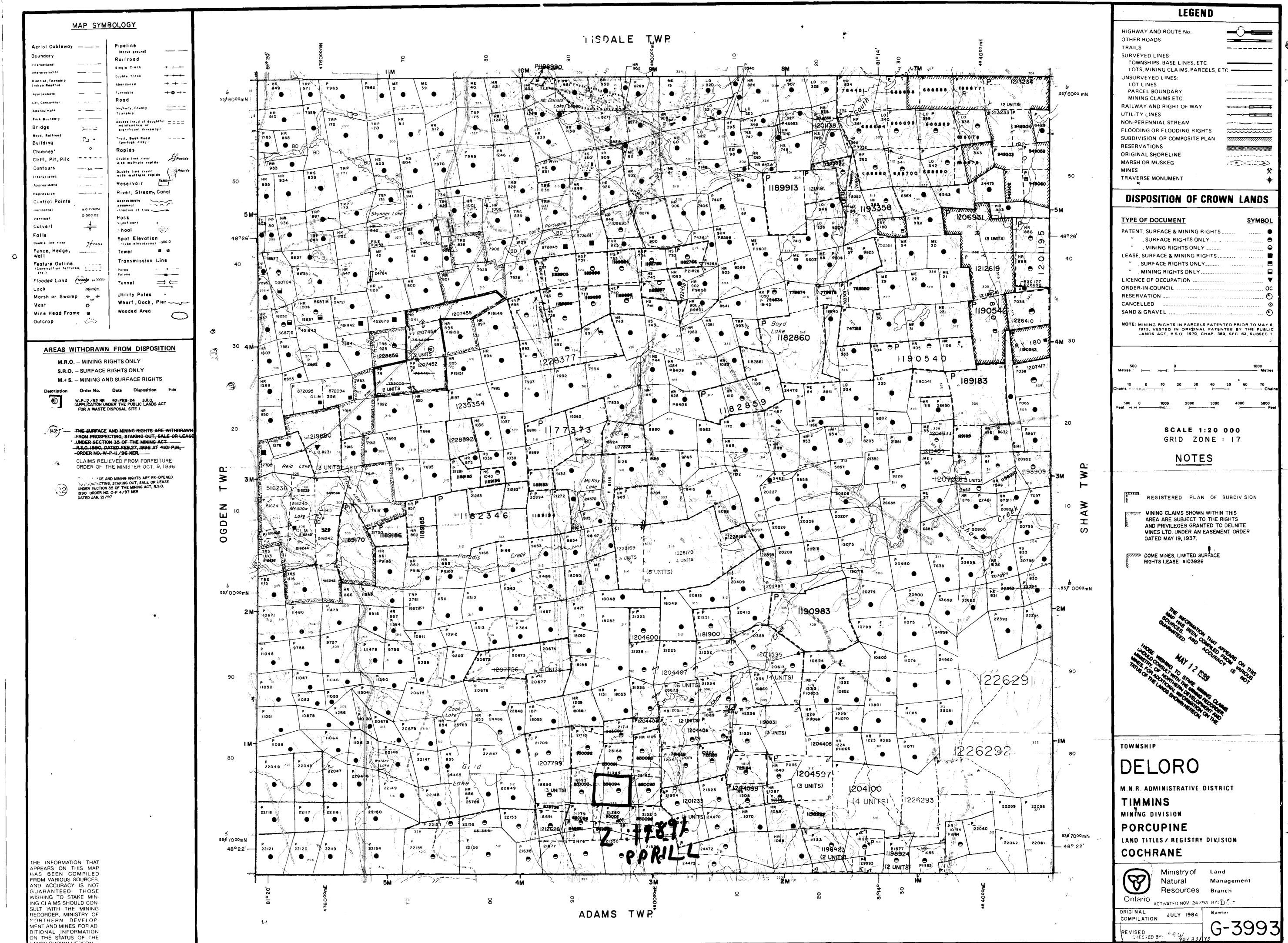
Resident Geologist South Porcupine, ON

Assessment Files Library

Sudbury, ON

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

Kathryn Andrews Smith ROYAL OAK MINES INC. TIMMINS, ONTARIO



LANDS SHOWN HEREON