



42A05NW2008 2.20396 MASSEY

010

2.20396

DIP -45°
AZI 075°
EOH 188m
CLAIM #: 1231462

SM-00-01

ML-96-01

CLAIM # 1231462

TRAIL

MALETTE RD.
2.6 km.

RE.0+00

L25N

L24N

L23N

L22N

L21N

L20N

L19N

L18N

L17N

L16N

MASSEY TWP.
WHITESIDES TWP.

CLAIM # 1231462

CLAIM # 1213321

DTH PLAN

SM-00-01

STARFIRE MINERALS INC.

WHITESIDES PROPERTY

DRAWN: PGS JUNE 25, 2000

SCALE: 1:5000



LEGEND OF ABBREVIATIONS

@	AT	OXD	OXIDIZED
ABUN	ABUNDANT	OXDN	OXIDIZATION
AF	A FEW	PER	PERVASIVE
ALTN	ALTERATION	PGE	PLATINUM GROUP ELEMENTS
AMGR	AMYGDULAR	PIL	PILLOW
AMYG	AMYGDULE	PILD	PILLOWED
ANK	ANKERITE	PO	PYRRHOTITE
ARND	AROUND	PORD	POORLY DEVELOPED
ASSD	ASSOCIATED	PY	PYRITE
AU	GOLD	QC	QUARTZ-CARBONATE
BB	BRIGHT BLEBBY	QCA	QUARTZ-CARBONATE
BLCD	BLEACHED	QCCHL	ALTERATION
BLCHG	BLEACHING	QCV	QUARTZ CHLORITE
BRCD	BRECCIATED	RQD	QUARTZ-CARBONATE VEIN
BRXN	BRECCIATION	RT	ROCK QUALITY INDEX
BX	BRECCIA	SAA	RIGHT
CC	CALCITIC	SELV	SAME AS ABOVE
CG	COARSE GRAINED	SER	SELVAGE
CHL	CHLORITE	SERC	SERICITE
CHLC	CHLORITIC	SHRG	SERICITIC
CO3	CARBONATE	SILC	SHEARING
CPY	CHALCOPYRITE	SILD	SILICIC
CT	CONTACT	SILN	SILICIFIED
DB	DIRTY BLEBBY	SM	SILICIFICATION
DEVD	DEVELOPED	SPHAL	SMALL
DISSD	DISSEMINATED	ST	SPHALERITE
DK	DARK	STGY	STRINGERS
DOM	DOMINANT	STR	STRONGLY
DOMY	DOMINANTLY	SZ	STRONG
DTCA	DEGREES TO CORE AXIS	TEX	SHEAR ZONE
EOH	END OF HOLE	TOUR	TEXTURE
EOINT	END OF INTERVAL	TR	TOURMALINE
EPI	EPIDOTE	UCT	TRACE
ESP	ESPECIALLY	V	UPPER CONTACT
EUH	EUHEDRAL	VACA	VERY
Fe	IRON	VAR	VARIOUS ANGLES TO CORE AXIS
FG	FINEGRAINED	VARC	VARIOLITE
FRAC Z	FRACTURE ZONE	VCB	VARIOLITIC
FRAC	FRACTURE	VCG	VERY COARSE BLEBBY
FRACG	FRACTURING	VN	VERY COARSE GRAINED
FRAC'D	FRACTURED	VNLTS	VEIN
FZ	FAULT ZONE	VOLC	VEINLETS
GENY	GENERALLY	WH	VOLCANIC
HANG	HIGH ANGLE	WKLY	WHITE
HEMC	HEMATITIC	WR	WEAKLY
INT	INTERSECTION	WRA	WHOLE ROCK
INT	INTERMEDIATE	XCUT	WHOLE ROCK ANALYSIS
IRREG	IRREGULAR	XXX'	CROSS CUT
J	JOINT	//	PLURAL OF XXX
K	POTASSIC	e	PARALLEL
LANG	LOW ANGLE	⊙	AT
LCT	LOWER CONTACT	⊕	CIRCULAR
LOCY	LOCALLY	⊖	PERPENDICULAR
LX	LEUCOXENE	≈	WITH
LXC	LEUCOXENITIC	∠	AROUND
MAG	MAGNETITE		ANGLE
MG	MEDIUM GRAINED		
MIN	MINOR		
MIND	MINERALIZED		
MINN	MINERALIZATION		
MM	MILLIMETER		
MOD	MODERATE		
MSV	MASSIVE		
NUM	NUMEROUS		
OVB	OVERBURDEN		

POLK GEOLOGICAL SERVICES

2.2039 6

DIAMOND DRILL LOG

2.2039 6

DRILLING COMPANY SALO DRILLING		COLLAR ELEVATION 0 m	@ DIP BEARING -45° 75°	@ DIP BEARING m ° °	CLAIM NO. 1231462	LOCATION MASSEY TWP. (?)	MAP L 24 N 0+20 E	HOLE NO. SM-00-01	PAGE NO. 1
START DATE JUNE 07/2000	COMPLETION DATE JUNE 14/2000	DATE LOGGED JUNE 16 - 20/00	COLLAR 100 m	-44° 75°	MAP NO.	PROPERTY NAME WHITESIDES (WARREN EXT.)	COMMENTS CASING REMAINS TO 20' NO WATER RUNNING		
EXPLORATION CO.; OWNER; OPTIONEE STARFIRE MINERALS INC.		LOGGED BY BKP.IK	176 m	-43° 75°	TOTAL FOOTAGE 188 m				
FOOTAGE		ROCK TYPE	DESCRIPTION			PY %	SAMPLE FOOTAGE	SAMPLE LENGTH	ASSAYS
FROM	TO		COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.				FROM	TO	
0	6.2	OV8	A FEW BOULDERS NEAR BEDROCK, (GENERALLY GRANITIC)						
6.2	7.7	8	L DARK GREEN TO BLACK MAEIC TO ULTRAMAIEIC INT. ROCK W/ 10-20% <1mm - 2mm WHITE FELDSPAR BLASTS. LOGY FINE GRAINED AND V WIKLY BANDED. WIKLY MAGNETIC.						
			A MIN QTZ VNLT MATERIAL AF JOINTS SHOW CHL INJECTION? 2 MIN QTZ CARB MIN REDDISH BROWN BLEBBY MIN DEVD LOGY (GARNET?)						
			S S. POZD TO MODY DEVD @ 60-80° CHL/QC JOINTS DEVD @ 45° TCA						
7.7	8.3	7	FELSIC DIKE, V SILICEOUS W MAEIC SPECKLING (CHL+AMPHIBOLE) TOP CT IS SHARP BUT IRREGULAR, LCT IS DIFFUSE						
			A VERY SILICEOUS AF VNLTs OF QTZ CARB/ALOMTE @ VACA MIN COARSE BLEBBY CHL MIN OXDN NEAR LCT						
			S S @ 50 DTCA (?) QC CHL VNLTs @ 70 DTCA, 70 DTCA						
			M TZ PY ASSD W C-B. CHL						
8.3	11.9	2m	GREEN TO DV GREEN FINE GRAINED MAEIC VOLC (OR FINE GRAINED INT.) LOGY CG LCT HAS FELDSPAR BLAST 2 IS SHARP, LCT IS DIFFUSE						
			A GENY SILD LOCAL BLEACHING, GENY ASSD W CHL/QC INJECTIONS, JOINTS						
			S J @ 45-50 DTCA, SOME IRREG. FRACS W ASSD ALTN						
			M UP TO 1% BB PY ASSD W ALTN						
11.9	12.1	7	FELSIC DIKE 2 TO 7.7-8.3m						
12.1	13.2	7 (F.G.)	FINE GRAINED, PALE GREEN V SILICEOUS UNIT, POSSIBLY FELSIC VOLCANIC. CTs SHARP GENY BROKEN A DISTINCT JOINTS W QC 2 CHL AS INJECTION						

BKP
JUNE 20/2000

SAMPLES 21101 - 21134

FOOTAGE		ROCK TYPE	DESCRIPTION <small>COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.</small>	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS			
FROM	TO				FROM	TO					
			S S_0 MODY DEVD @ 30-45 DTCA J DISTINCT @ 45 DTCA, NUM @ LCT								
13.2	14.3	B	V DARK INT. W FELDSPAR BLAST DEVELOPMENT, \approx TO 6.2-7.7m A \approx TO 6.2-7.7m								
			S J @ 45° \pm ROTATED 180° @ 45° TCA M TR PY ASSD W J								
14.3	15.7	SULFIDE ZONE	LAMINATED MAFC ROCK W NUMEROUS S_1 / BUT CONTORTED MSV SULFIDE BANDS PROBABLY EQ MAFC INT W LESSER VOLC A LOC SILN, AS FLOODING + SOME DISCRETE UNITS \pm BLESS MIN SERC ALTN OF SOME BANDS AF X CUTTING FRAC' HOST CHL, CB \pm PY MIN GARNET, BLEBBY ? S GENY 60 DTCA BUT AS LOW AS 20 IN CONTORTED AREAS J @ 45° \pm -45° M SULFIDE BANDS GENERALLY 85-90% P_0 W 10-15% P_1 + CPY . SEMI MSV TO MASSIVE STIRLINGTON, ASSD W SILICA FLOODING, GARNET 21101 BLEBBY $P_0 > CPY > PY$ OVER 15 cm, LOW \pm , CONTORTED CPY OFTEN ASSD W CA \perp FRACS MIN CHL I SER, HOST LOOKS LIKE B 21102 BLEBBY SEMY $P_0 = CPY > PY$ ASSD W SIL FLOODING \pm CHL IN LAMINATED 2 OR 8, (EG GREEN). CPY IS BLEBBY W IN P_0 MIN CPY IN 45 DTCA FRACS								
15.7	18.3	B	FINE GRAINED, LOCK LAMINATED, GENY MG (LOCK LOOKS VOLC), LOCK EQ W FELD BLAST A SOME LAM. SHOW CHL DEVD NUM LOCK FINE SER/QTZCAIZD FRACS (\approx AT TOP OF INT.) LOC SILICA LAM S S_0 GENY WELL DEVD @ 45 DTCA QC ST' // TO IREG, AF @ -45 DTCA AF @ 70 ROTATED 90 D FROM S_0 AF ORANGE FELS ST' @ 25 DTCA M TR ST' CPY NEAR UGT W SULFIDE ZONE ABOVE 21103 TR CPY + PY IN ST' NEAR UGT + LAMN // PY IN LAMP B								
18.3	21.5	F	GRANITIC RELATED FELSIC INT., MULTI PHASE, LAMP // TO S_0 . EQ PHASE @ 19.8-20m MAY BE LATER W DIFF COMPOSITION A AF S_0 // QCV' W MIN CHL								

2 2 2 2 2 2

FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS	
FROM	TO				FROM	TO			
			MIN OXDN THROUGHOUT CRISP BULL QTZ VEIN @ 19.7, 4cm WIDE 90 DTCA, MIN CHL + ATTENDANT OXDN						
21.5	21.8	FZ	HIGHLY OXDD, BROKEN LAMP ROCK, DDMY MAGNETITE + QTZ OXDD So @ 30 DTCA FRAC @ 45 & -45 DTCA TZ BB PY NEAR LCT 21104 OXDD FZ, Au + Cu						
21.8	23.0	QTZ VN ZONE	LAMP VOLC (?) HKHW SILD, CONTORTED OXDD BELOW LCT SER, CHL & QC THRU QTZ VEIN (20 DTCA) 22.7-23 DTCA So CONTD 45 DOM, SHALLOWS TO 10 DTCA AF LATE J & FRAC @ 45 DTCA 5-8% DISSD & SEAMY BB PY THRU, ASSD W CHL 10%/10cm OXDD ZONE W PY BELOW LCT 21105 QTZ VEIN, LAMP ZONE, TR MAG + 8% F-MG BB SEAMY PY (LOOKS LATE) Au + Cu	TR	21.5	21.8			
23.0	24.1	8 (?)	FINEGRAINED, MSV, GREY GREEN FOLIATED ROCK, MIN DIFFUSE FELD DEVT AF QC FRAC' MIN SILC FLOODING, GEN SILN So MODY DEVD @ 40 DTCA TR PY ASSD W QC FRAC'	8	21.8	23.0			
24.1	34.9	7	GRANITIC RELATED FELSIC INT LOCY PORPHYRITIC, GENERALLY BROWN, ORANGE GREY & BLACK GENY SILD LOC SER DEVT MIN OXDN ASSD W SOME FRAC' MIN INTERRUPTED CHL ASSD W AF IRREG ACU' So VAR GENY 30 DTCA AF FRAC 45 DTCA (1 Pa) TR PO LOCY						

FOOTAGE		ROCK TYPE	DESCRIPTION <small>COLOR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.</small>	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS			
FROM	TO				FROM	TO					
34.4	59.8	8	GENY MSV (LOXY LAMP) DARK GREEN/BLACK MAFIC INT. LOC FELDSPAR DEVT LOXY FG (LOOKS VOLC IN NATURE) LOC CHL/FELD DEVT ± NUM FRAC' ± MAGNETITE AF DIKELETS OF 7 ± OTHER FINE GRAINED MATERIAL 35.1-35.6 (7), 38.3-38.7 (7) 40.9-41 (QTZ), 41.7-41.3 (BROWN MATERIAL + QZ + FELDS) 43.7-43.8 (BROWN + QZ + FELDS) 47.2-47.3 (CRISP FG FELDS) LOC INJECTIONS OF CHL HOST MIN MIN S ₀ // "GARNET" DEVT S ₀ (?) GENY 45 DTCA AF LOC JOINTS @ -45 40.2 SIG. DISP ALONG CA // ± S ₀ FRAC (W SIDE ↑ ± 5 cm) MIN P ₁ + P ₂ ASSD TO CHL INJECTION, GENY ASSD TO FELSIC DIKE ALTN ((?)) 21106 GENY C.G. 8 W MIN GARNET + CHL INT. # 1 OF WHICH HOSTS 3% P ₁ + P ₂ + TR CPY Cu + Ni + FGE GENY ALTD NEAR LGT (LAST 2m) COINCIDENT W DISTINCTIVE SHALLOWING TO ± 20° OF 80. NUM CHL/CB FRAC' ± J' + QZ'								
59.8	61.7	7	GRANITIC ASSD FELSIC INT. ORANGE ± CG, LOC SERIC ALTN								
61.7	72.5	8	FINER GRAINED, ALTD 8 W NUM THIN S ₀ // (± 45 DTCA) 7 VEINLETS ALTN CHL, GARNET, QZ FRAC'								
72.5	76.8	8/7	NUM FG FELSIC-INT DIKES, ± COMPOSITION, LATE. GREY ± ORANGE W ABUN AMPHIBOLE (?), WLLY FOLD ± 45 DTCA. INTERVENING 8 IS CHLC ± SERIC. MINB MIN 7 CG. TR PY ASSD W FG DIKES								
		out of order	21107 3% BB PY IN ALTD 8, CONT CHL + Q, 20 cm FG AMPH DIKE SEMI MSV MINN LOXY	3	75.3	76.6					
			21108 2 FG AMPH BEARING INT. DIKES	TR	76.6	76.8					
			21109 TR-1% DISS CG BB	1	76.8	77.8					
76.8	80.5	8/7cg	± MAF 80 INT. W NUM INT' OF CG 7. GENY ORANGE ± GREY. LOC FELDSPAR BLAST DEVELOPED OCCAS. ORANGE. LOXY LAMP SAMPLE DESCRIBED ABOVE (21109)								
80.5	82.3	2	V CHLC, HIGHY ALTD ROCK. LOOKS ALMOST MIGMATITIC IN TEXTURE, FG CHL, FG AMPH MAGNETITE, BLEBBY QZ TR-7% PY BB. S ₀ IS 12 DEG ± MODY DEVD... GENY 35 DTCA								

FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS		
FROM	TO				FROM	TO				
			21107 ALT'D CHL/MAG/AMPH ROCK 1% BB PY	1	81.5	82.3				
82.3	87.0	F/B	ORANGE & GREY, THICK LAYERED FELSIC DOMD UNIT W NUM DIFFUSE FELSIC DIKES A GENY SILD CHL ALTN MIN, RECRIST AMPH MAGNETITE AF DIFFUSE QC VNLS S SOME QC VNLS SUB // CA (IRREG) DOM ORIENT IS - 45 DTCA M 2 VAR PY BB CG & BB CG WHITE EHM, TOTAL < 2% MIN SPHAL (?) IN QC VNLT							
			21108 NUM FG FEL DIKES + 5% B BB PY 1% 21109 SAA, SMALL QCV @ 8AM HOST 2% SILVERY MIN (MOLY?) 21110 B DOM, SILD 1% BB PY 21111 B DOM + CG F		82.3	83.7				
					83.7	85.2				
					85.2	86.0				
					86.0	87.0				
87.0	91.2	SULFIDE ZONE (M.1)	ALT'D ZONE OF B(?), LOCKY LAND. ORIGINAL TEXT OBSCUR. ABUN P ₂ +P ₄ , tr CPY A SILD GENY, LOC LAM SIZE SIL CHLN OF MAFCS MIN "GARNET" S S ₀ MODY DEVD 45 DTCA, LOCKY CONTD TIGHT ISOCINAL FOLDING @ 89.6 AF CHL 5', ROT 90 FROM S ₀ & @ -45 DTCA M : NUM STYLES OF MINN DESCRIBED BELOW							
			21112 25% BB, PY, FOLATED, ASSD W CHL & SIL No P ₂ (PY SECONDARY) Cu, Au	25	87.0	87.3				
			21113 20% TOTAL SULFIDE, (10% FOLD SECONDARY PY + 10% FOLD SEAMY P ₂) IN CHLC SILD 0.7 P ₂ LOOKS SECONDARY AS WELL Pb, Zn, Cu, Ni, Co	20	87.3	88.4				
			21114 V SILD HOST (FELSIC VOLC?). ALL SULFIDES SEAMY & STRIKERY, GENY S ₀ // LOOKS INJECTED, TR CPY Pb, Zn, Cu, Ni, Co	10	88.4	89.6				
			21115 30% TOTAL SULFIDE, NET TEXT TR CPY 15% P ₂ , 15% P ₄ Pb, Zn, Cu, Pb, Zn, Ni, Co	30	89.6	90.2				
			21116 15% TOTAL NET + INT, ↑ SECONDARY PY, WANING @ EOL Pb, Zn, Cu, Ni, Co	15	90.2	91.2				
91.2	93.7	B	FELDSPATHIC MAF INT W 2 F DIKES NEAR TOP OF INT. AF QC VNLS, IRREG W CHL, MAG, ± PY ± MIN SER NUM QC ERAC' @ VACA							

FOOTAGE		ROCK TYPE	DESCRIPTION <small>COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.</small>	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS	
FROM	TO				FROM	TO			
93.7	94.9	B ?	LAMINATED, SILICIFIED, MAGNETIC UNIT w 3cm INTERBED SULFIDE LAM @ 94.2m MAY BE IRON FORMATION. CHL & MAGNETITE ARE ALTN SiO ₂ PRIMARY LAM ? So WELL DEVD @ 25-35 DTCA						
			21120 Py + Chl LAMINAE OVER 3cm	Cu, Pb, Zn, Au	20	94.3	94.5		
			21121 Ch LAMINATED QTE, CHL, MAGNETITE	Cu, Pb, Zn, Au	-	94.5	94.9		
94.9	100.4	B/2/7	MIXED LITHOLOGY.. MIN CHL ROCK, MG (?), NUM FELDS DIKES, DOME ALTD @ 7 DIKES ARE SER. MICA BEARING & CG						
100.4	102.8	INT DIKE	FINE GRAINED GREY DIKE w ABUN MICA (VAR. UNKNOWN) GENERALLY MSN & SOMEWHAT PITTED MAY HOST TR VEG PY						
			21122 FG INT DIKE	Ni, Co, Cu, Pb, Zn, Au, PGE	TR	101.0	101.5		
102.8	105.7	B ?	GENY CHL, RELYST @ w SEV FELD (GRANITE RELATED) DIKES OR VNLTS ALTN IS CHL, RELYST AMPH, QC & GARNET(?) + SiO ₂ So MODY DEVD @ 35 DTCA MIN Py - Pa						
			21123 TR Pa + Py ASSD w CHL, GARNET + SILN	Cu, Pb, Zn	TR	104.0	104.8		
			21124 " FRAG ZONE // So OVER 30cm	Cu Pb Zn	TR	104.8	105.7		
105.7	107.5	SULFIDE ZONE	LAMINATED, ALTD @ w SIGNIFICANT NET TEXTD SULFIDE MIN CHL, SER, FELDSPAR, SILN LOCAL LARGE GREEN FELDSPAR BLASTS IN & AROUND NET TEXTD SULFIDE LAM WELL DEVD @ 60 DTCA, SULFIDE CT WELL DEVD (LCT) @ 60 DTCA						
			21125 15% SECONDARY BB PY IN SILD, SERL @ (?)	Cu Pb Zn	15	105.7	106.1		
			21126 30% SULFIDE (20 Pa, 10 Py, TR CRY) + C GREEN FELD BLASTS NET TEXT	PGE, Ni, Cu, Pb, Zn					
			21127 LAMD @ 7 w SEAMY, STRINGERY Pa + Py + Cpy LCT IS BROWN FELS DIKE	Cu Pb Zn					
107.5	117.1	B cg	dark green mottled mafic int w num large well devd feldspar blasts. AF felsic dikes 108.6-108.7, 110-110.1, 111.4-111.7, 112.0-112.3, 211 silc w brown a+n, 113.8-114.4 (chl & ser well devd), 115-115.3 (orange), 115.5-116, 116.1-116.2 (orange, lam), broken dikelet near EOI w of qc frag @ -45 dtca, apparent motion along CA // irreg frag						

21100000

\$o may be \$,

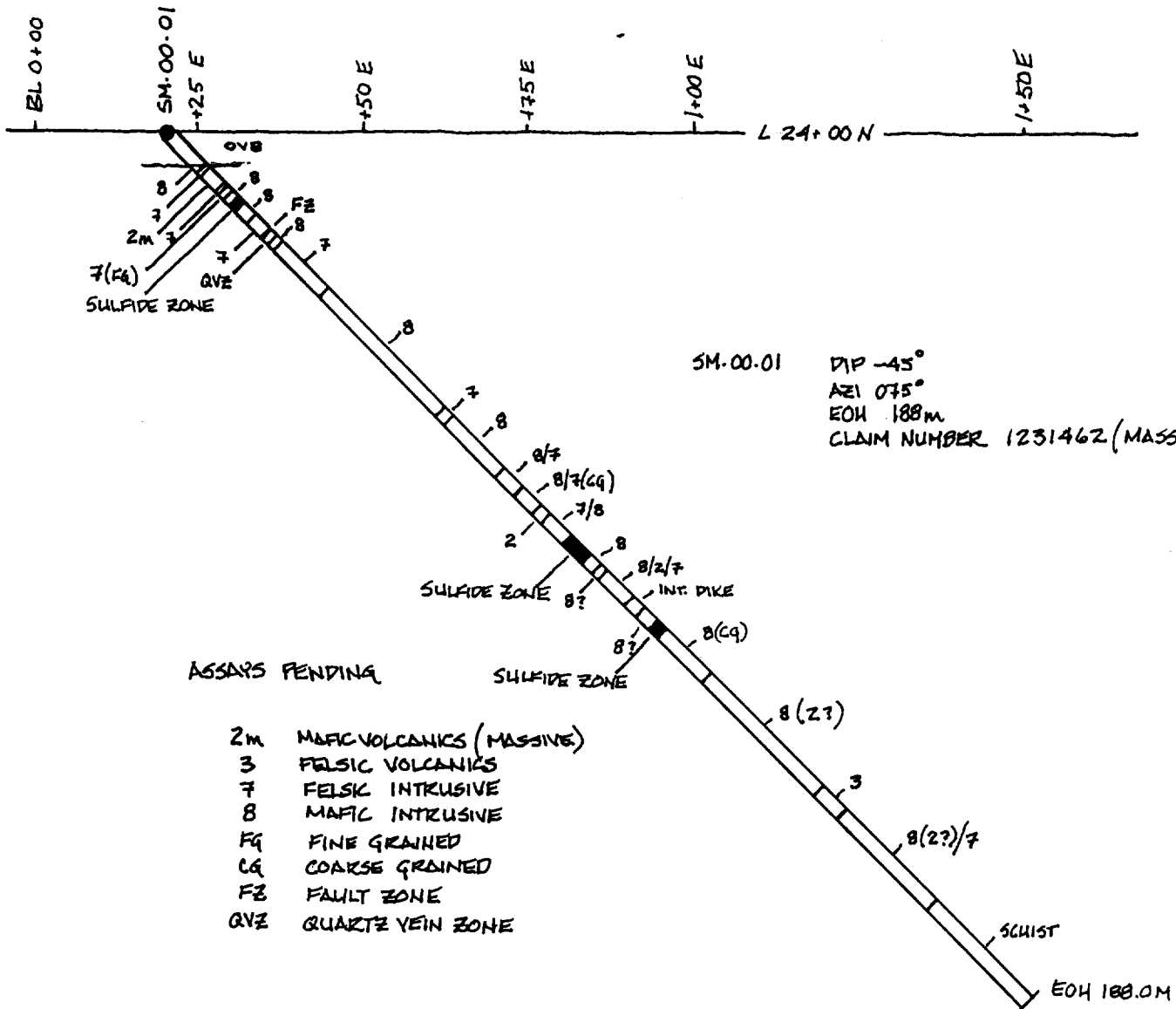
FOOTAGE		ROCK TYPE	DESCRIPTION	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS	
FROM	TO				FROM	TO			
			lower of w finer grained & below is sharp but a fault at @ 60 dtr						
117.1	141.0	8	<p>L Fine grained generally alt'd rock. Probably mafic intrusive but possibly volcanic. 2F felcic dikes 124.0-124.6 (abun garnet (looks real) + serfepi)</p> <p>A general chlc alt'n thru, loc chl injections thin qz alt'n w attendant pink "garnet" ± cpi, ser min wk brown oxcld ascd w some frac zones</p> <p>S grey frac & blocky ground (RAD < 70) so poro to medly devd @ ≈ 50 dtr num so // frac num qz // irreg fracs, some w qz (particularly 121.5-126 m) fr 126.4 (poro devd) ragged chl</p> <p>M min seams of msy cpy & py ascd w chl injection in alt'd rock possible fold sphal @ 123 m</p> <p>* 21128 af seams (<.5cm) of cpy & py ascd w chl. Abun pinkish alt'n Cu, Pb, Zn tr 120.4 121.0 21129 SAA w CA // frac (blocky ground) " tr 121.0 122.1 21130 wkly land rock w 2mm cpy seam + min porpy @ 60 dtr. + possible sphal (clear, brown, fold) " tr 122.1 123.1</p> <p>* These samples are check samples... any positive results warrant review</p> <p>21131 chlc volc' (?) w fr seamy py (no cpy) + well mind 1cm qzv (60 dtr) tr 128.4 127.9 21132 SAA tr 127.9 129.4</p> <p>21133 possible sphal ? Cu, Pb, Zn + Au tr 139.2 140.0 Cu, Pb, Zn</p>						
141.0	146.0	3 ?	<p>LOOKS LIKE FELSIC VOLCANIC (VAR. DACITE ?) NOT MARKED BY FG FEL-INT DIKE. VOLC IS V SILD & GENY FOLD @ 65 DTR</p> <p>A BROWN MINERAL ABUN SER LOCK WELL DEVD AF QC ST'</p> <p>S S₁ @ 65 dtr AF VUGGY FRAC @ YACA 2 CRISP qv' (1cm) // S₁ LOC CONTN NEAR E01 21134 check sample Cu Pb Zn Au — 144.5 146.0</p>						
146.0	146.2	8(2?) / 7	<p>ROCK ≈ TO 117.1-141.0 w NUMEROUS FELSIC-INT INTRUSIVE DIKES/SILLS LOOK DIORITIC IN COMPOSITION (LOCY GRANITIC). DIKES(?) ARE ABOUT 50%</p> <p>ABUN CHL INT' LOCY // S₁ EPIDOTE RICH UNLT(?) METASOMATIC w CHLc MARGINS</p>						

2000000000

the occurrence of the felsics may be evidence for mafic volc' 117.1-141.0

FOOTAGE		ROCK TYPE	DESCRIPTION COLOUR; GRAIN SIZE; TEXTURE; MINERALS; ALTERATION; ETC.	PY %	SAMPLE FOOTAGE		SAMPLE LENGTH	ASSAYS		
FROM	TO				FROM	TO				
			S GENY COMPACTANT ROCK AF QZ FRAC @ -45° ROTATED 90° FROM S ₁							
			M TR PY ASSD W QCHL VNLT TR QZ IN SOME DIKES							
166.2	188.0	SCHIST	ELBIC SCHIST (SUB GNEISSIC) HIGHLY FOLD PALE GREY GREEN ROCK LOCY COLOUR LAYERED. AF INT. COMP DIKES * ABUN PINK ALTN IN BLSRS (GARNET?) LOC QZ ALTN MIN CHL INJECTION LOCY MIN EPI IN SOME QZ VNLT							
			S ₁ GENY WELL DEVP @ 55-70 DTLA AF FRAC ZONES (GENY // S ₁) AF FRAC (QZ + EPI) @ 20-CA// NO MINN OBSERVED							
188.0		EOL								
			CORE STORED @ AL TAYLOR BACK ROAD (TIMMINIUS)							

[Signature]
JUNE 20, 2000



PDH SECTION SM-00.01

STARFIRE MINERALS INC.

WHITESIDES PROPERTY JUNE 22, 2000

DRAWN: POLK GEOLOGICAL SERVICES

SCALE: 1:1000



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use)
W0060.00301
Assessment Files Research Imaging

Person
Form
Book



Instn 42A05NW2008 2.20396 MASSEY

900

Sections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this work and correspond with the mining land holder. Questions about this collection and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

When filing a claim, use form 0240.

- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name DOUGLAS JOSEPH LALONDE	Client Number # 156077
Address 53 WAY STREET	Telephone Number 705-264-5979
TIMMINS, ONT P4N-7K6	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

<input type="checkbox"/> Geotechnical: prospecting, surveys, assays and work under section 18 (regs)	<input checked="" type="checkbox"/> Physical: drilling stripping, trenching and associated assays	<input type="checkbox"/> Rehabilitation
Work Type DIAMOND DRILLING	Office Use	
	Commodity	
	Total \$ Value of Work Claimed	\$ 14,100
Dates Work Performed From Day 07 Month 06 Year 00 To Day 20 Month 06 Year 00	NTS Reference	
Global Positioning System Data (if available)	Township/Area MASSEY TWP	Mining Division Porcupine
	M or G-Plan Number M.296	Resident Geologist District Timmins

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)

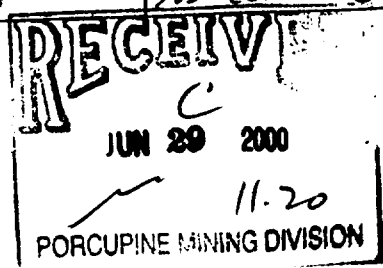
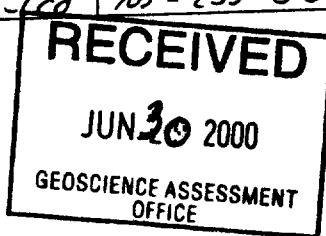
Name POLK GEOLOGICAL SERVICES	Telephone Number (405) 264-2359
Address 376 PATRICIA BLVD TIMMINS, ONT. P4N 6Y6	Fax Number SAA
Name M.C EXPLORATION SERVICES INC.	Telephone Number 705-235-8660
Address P.O Box 366 Porcupine, ONTARIO P0N1C0	Fax Number 705-235-8038
Name	Telephone Number
Address	Fax Number

4. Certification by Recorded Holder or Agent

I, **MIKE CAMON** (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration 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 or Agent 	Date JUNE 26/00
Agent's Address P.O BOX 366 Porcupine, ONT P0N1C0	Fax Number 705-235-8038
Telephone Number 705-235-8660	

0241 (03/97)





Statement of Costs for Assessment Credit

Transaction Number (office use) 00060.00311

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 6B5.

2.20396

Table with 4 columns: Work Type, Units of work, Cost Per Unit of work, Total Cost. Includes entries for DIAMOND DRILLING and Associated Costs.

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.

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total \$ value of worked claimed.

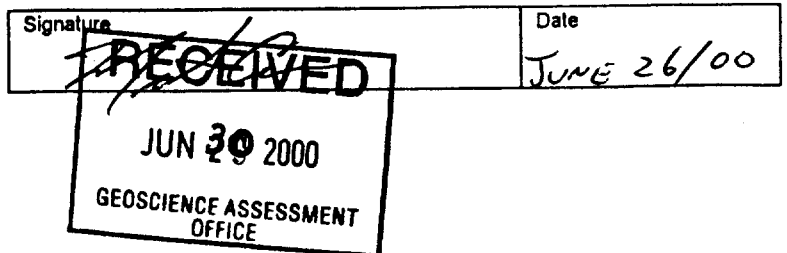
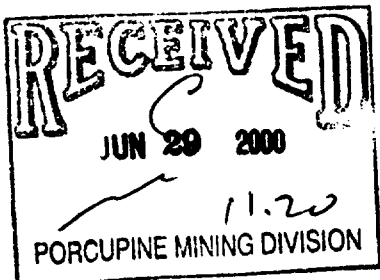
Note:

- 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.

Certification verifying costs:

I, MIKE CARON, 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 AGENT I am authorized to make this certification.

Declaration of Work form as AGENT I am authorized to make this certification.



land where work was performed, at the time work was performed. A map showing the contiguous link must accompany form.

W0060.00301

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892
1 1231462	16	\$14,100.00	\$12,800.00	0	\$1,300.00
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals	16	\$14,100.00	\$12,800.00	0	\$1,300.00

I, MIKE CAROL (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder of Agent/Authorized in Writing [Signature] Date JUNE 26/00

6. Instructions for cutting back credits that are not approved.

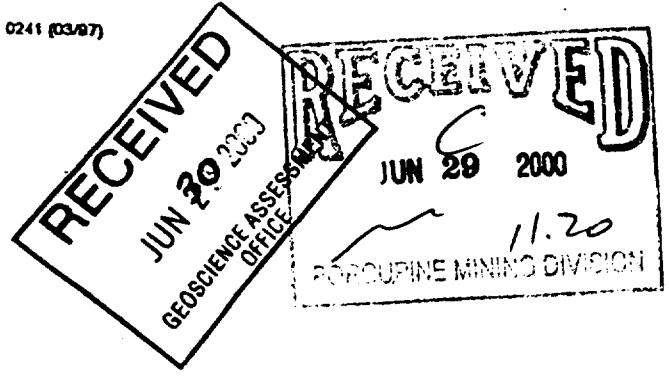
Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	



0241 (03/97)

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

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

September 13, 2000

DOUGLAS JOSEPH LALONDE
53 WAY AVENUE
TIMMINS, Ontario
P4N-3C4

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

Dear Sir or Madam:

Submission Number: 2.20396

Status

Subject: Transaction Number(s): W0060.00301 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 LUCILLE JEROME by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,



ORIGINAL SIGNED BY
Steve B. Beneteau
Acting Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.20396

Date Correspondence Sent: September 13, 2000

Assessor: LUCILLE JEROME

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W0060.00301	1231462	MASSEY	Approval	September 13, 2000

Section:

16 Drilling PDRILL

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

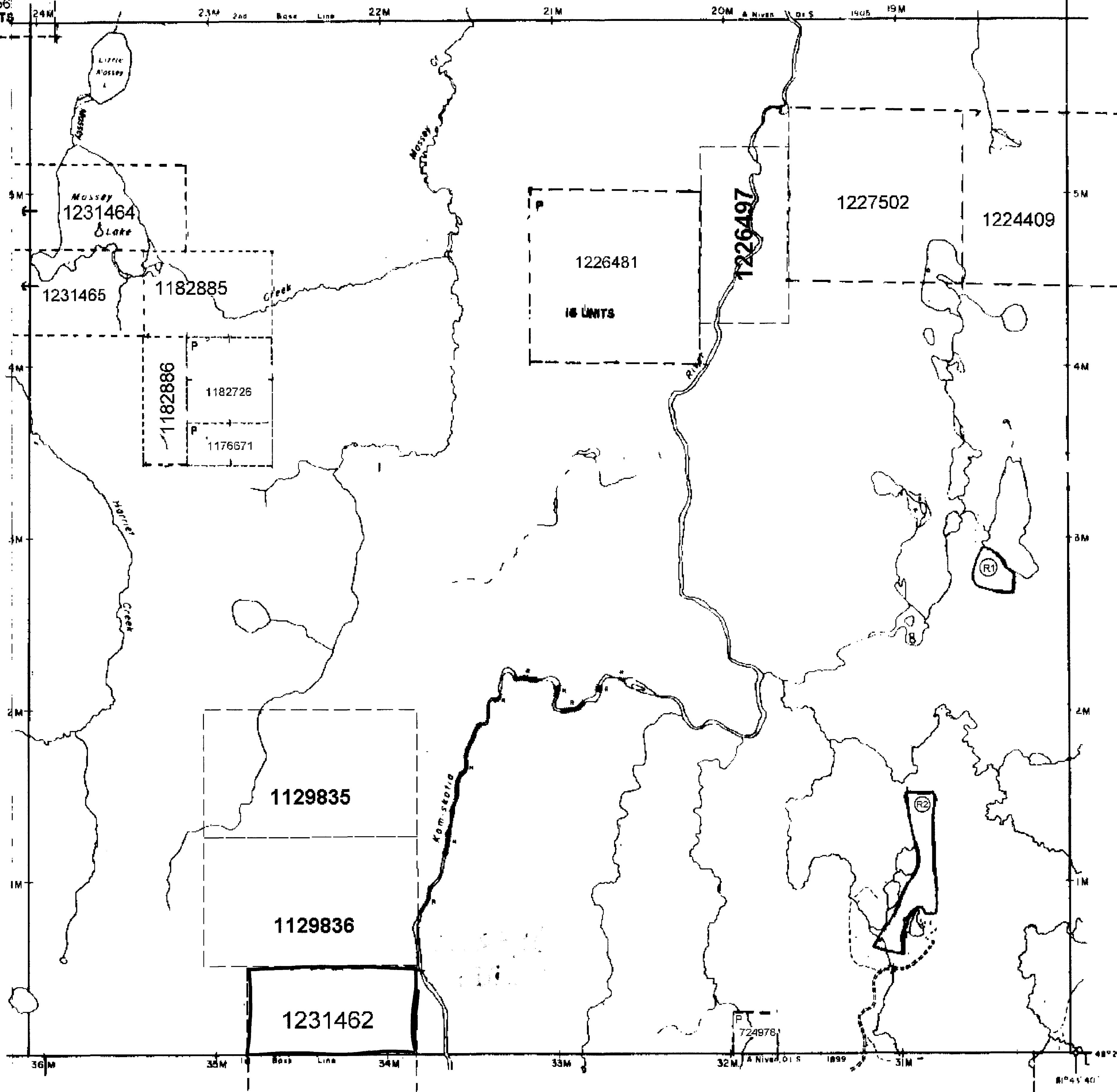
Recorded Holder(s) and/or Agent(s):

Mike Caron
PORCUPINE, ONTARIO

DOUGLAS JOSEPH LALONDE
TIMMINS, Ontario

CÔTÉ TWP - M.271

1213556
16 UNITS



THE TOWNSHIP
OF
MASSEY

DISTRICT OF
COCHRANE

PORCUPINE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊕
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	⋆
CANCELLED	⊖

NOTES

400' surface rights reservation around all lakes and rivers.

(R1) PENDING APPLICATION UNDER THE AGGREGATE RESOURCES ACT. NOTICE RECEIVED 91-NOV-22

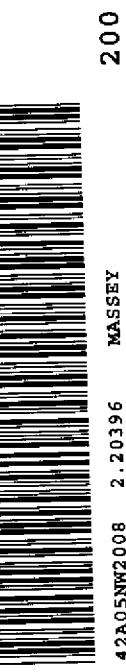
(R2) PENDING APPLICATION UNDER THE AGGREGATE RESOURCES AC. NOTICE RECEIVED 91-JAN-6

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTER OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

PLAN NO. *Revised 04/79* **M.296**

DEPARTMENT OF MINES

— ONTARIO —



200

424050008 2-20396 MASSEY