HOLE NO: BKP-T-02

SECTION:

**GRID:WAWAITAN** 

PROJECT CODE :

**TENEMENT PROSPECT**  :CLAIM 871715 :WAWAITAN : WAWAITAN

**GRID** 

MAP REFERENCE:

LOCATION

:THORNELOE TWP

**HOLE TYPE** :DDH

**NOMINAL** 

 \*\*\* COLLAR COORDINATES AND RL \*\*\* 460.00 mN

400.00mE

279.00RL

Pre-collar depth: 305

Final depth:

305.00

Purpose of hole:

Hole status:

COMPLETE

Comments:

- \*\*\* SURVEY DATA \*\*\*

Survey Method: SPERRY SUN

Depth	Azimuth	Inclination	
0.00	183.00	-45.00	

*** SUMMARY LOG ***			
0.00	7.00	OVERBURDEN	
7.00	28.70	MAFIC VOLCANICS	
		UNDIFFERENTIATED	
		MODERATE	
28.70	31.70	MAFIC VOLCANICS	
		UNDIFFERENTIATED	
j		MODERATE	
31.70	43.20	MAFIC VOLCANICS	
		UNDIFFERENTIATED	
		MODERATE	
43.20	121.00	MAFIC VOLCANICS UNDIFFERENTIATED WEAK	
404.00	405.40	MAFIC VOLCANICS	
121.00	125.40		
		UNDIFFERENTIATED	
105.40	400.00	MODERATE	
125.40	133.30	WACKES STRONG WACKES MODERATE	
	145.80	WACKES MODERATE WACKES STRONG	
	156.30	WACKES STRONG WACKES STRONG	
	159.30	WACKES STRONG WACKES STRONG	
	165.20		
165.20	163.20	SILTSTONE/MUDSTONE	
100.20	107.00	WFAK	
167.00	170.70	WACKES/SILTSTONE/MUDS	
107.00	170.70	TONE WEAK	
170.70	188.80	WACKES	
1	197.80	WACKES WEAK	
	225.10	WACKES MODERATE	
	233.20	WACKES WEAK	
	238.00	WACKES MODERATE	
238.00		WACKES STRONG	

#### \*\*\* DRILLING SUMMARY \*\*\*

DDH	0.00 305.00 BQ
Drill contractor:	NOREX
Drill rig:	
Date started:	16/10/97
Date finished:	16/10/97
Logged by:	B. POLK
Relogged by:	
Sampled by:	

Material left in hole:

Base of complete oxidation:

Top of fresh rock:

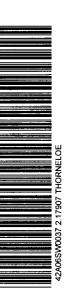
Water first encountered: Water inflow estimate:

\*\*\* SIGNIFICANT ASSAYS \*\*\*

From	То	Width

2.17907





OCT 15 97

BKP-T-02

HOLE NO: BKP-T-02	SECTION:	GRID:WAWAITAN
-------------------	----------	---------------

252.90	266.40	WACKES/SILTSTONE/MUDS TONE WEAK
266.40	268.80	WACKES MODERATE
268.80	302.00	WACKES WEAK
302.00	305.00	WACKES
305.00		END OF HOLE

From	То	Geological Log
	7.00	OVERBURDEN
7.00	28.70	MAFIC VOLCANICS UNDIFFERENTIATED moderate Green-yellow medium gry, medium grained; fine qtz blebs, foliated, sericitic and ankeritic pervasive, grey wacke blebs ankeritic, crenulated, appears laminated abundant structural info
		A- ankeritic bands and interlayered sericitic bands 60-70 degrees to core axis // to S1; 50% of unit pervasive ankerite and sericite. Bands of pure sericite
		S- S1- 60-75 degrees to core axis strong crenulation with section weakly crenulated S0 bands are occassionally warped S2 crenulation approx. 60 degrees to S1 ( from core axis?) true orientation?
		24.5m-fold veins 30dtca crosscutting veins // to fold. 45 degrees to core axis, qtz blebs in ankerite veins veins appear more crenulated up hole more coarse grained band has increased five% pyrite - very fine to fine euhedral pyrite axis is 50 degrees to core axis
		uphole and adjacent to fold S1 - 50 -60 degrees to core axis 0.35 meter vein of ankerite and qtz with yellow-green strongly sericitized edges; black hard mineral >5 tourmaline (?) concentrated approx. // to vein edges approx. Equidistant from edges
		gradual cont. Sericitized
		24.35 - 2cm qtz vein with ankerite in sericite, appears to be folded or follow a fold; fol approx. 55-60 degrees to core axis on both sides of vein concentrations of coarse subhedral shattered pyrite
		qtz vein appears to be associated with vein fold along S2 (closure)
!		downhole - of fold similar to vein edges - heavily sericited section approx. 0.5m with poss S2 crenulation
		shattered subhedral pyrite with pressure shadow of qtz following S1 fol.
		@ 8m -3cm wide coloured med grained section with qtz veining approx. 45 degrees to core axis
		one-two% disseminated. Fine grained pyrite
		nine.85m -0.One meter width with coloured fine grained - medium grained qtz vein approx. 30 degrees to core axis one-two% fine grained disseminated pyrite
		fol approx perpendicular to core axis possible hematite alteration. (?)
		S RQD - generally 70 some sections less than one of 100
		M tr very fine grained-fine grained subhedral pyrite coarse grained locally
		9.80-10.10 86901 hematite zone abundant qtz abundant ankerite ; fol // zone 14.90-15.25
		86908 yellow grey medium grained 5yb; 30% qtz blebs fine 1mm qtz eyes (?) sericitic, ankeritic // to fol fine qtz bands silc alteration subhedral-euhedral coarse grained pyrite some pressure shadow fol 70 degrees to core axis
		mineralized contact 18.00-19.00

From	То	Geological Log
		86902 check sample fol , vein, sericite ankerite seds + bleby pyrite minor quartz carbonate alt
		22.20-23.20 86903 mixed sericite ankerite seds crenulated one% coarse grained euhedral pyrite
		23.20-23.80 86904 ankeritic, sericitic, some crenulation seams of fine grained pyrite
		23.80-24.20 86905 qtz ankerite vein with tourmaline
		24.20-25.10 86906 crenulated sericitic
1		25.10-26.10 86907 highly fractured
28.70	31.70	MAFIC VOLCANICS UNDIFFERENTIATED moderate  Physical array modium grained (2) WACKES with abundant sericite, ankeritic & quartz
		carbonate alteration. Unit looks granular // foln , gradation contact with units over & under quite possibly coarse clastic
		abundant sericite & ankeritic alteration pervasive , locally banded minor oxidized
		S0 & S1 @ 70 degrees to core axis ( may not be foln !) RQD of 40
		oxidized CO3 locally  M. No mineralization evident
		29.00-29.90
		86909 check sample
31.70	43.20	MAFIC VOLCANICS UNDIFFERENTIATED moderate Variable gry & gry green , highly altered , banded looking rock with abundant sericite & ankeritic
	Ì	alteration
		lustrate hands five 15 continueter of pyritic fine grained material locally
		banded sericite, ankerite & minor q alteration is moderate throughout a few barren but large quartz carbonate vein, generally foln // minor zone alteration from 37. Eight-38 very strong serior
		So (?) & S1 @ 70 degrees to core axis ( alteration banding )
		RQD 60 abundant shear related crenulation approx. Equal to 36.Six & 38 meter
		S2 related
		M - tr pyrite locally , a few quartz carbonate vein
		32.00-33.00 86910 10cm fine grained sericite unit + four one.5cm quartz carbonate veins tr
		33.00-33.50 86911 10cm fine grained sericite unit (one% pyrite)
		33.50-34.10 86912 one.15cm quartz carbonate vein tr
		37 50-38 50
	104.0	86913 highly crenulate, sericitized volc (zone alteration) 2cm quartz carbonate vein  0 MAFIC VOLCANICS UNDIFFERENTIATED weak
43.20	121.0	Dark green, medium-coarse grained with abundant calcite veins & veinlets triroughout upper
		contact is gradational over one.5m
		this unit is thick bedded, bedding features obscurred
		green colour attributed to chloritic alteration five-15% qcc & calcite ans and veinlets throughout a few quartz carbonate veins ane with
		tourmaline
		locally abundant pin-point calcite alteration
		S0 (?) & S1 @ 75 degrees to core axis abundant contortion / crenulation 54-55m S2
		RQD 50-70 , vuggy zone 103.Seven-104.Five , weak shear // foln at 103m
		M tr pyrite in some quartz carbonate veins
		44.50-45.50
		86914 numerous one-2cm quartz carbonate veins + abundant calcite alteration

From	То	Geological Log
		tr 54.00-55.00 ankerite calcite tr 55
	1	86915 abundant quartz carbonate alteration in crenulated zone, ankente, calcite, it so
		00-56.00 86916 abundant quartz carbonate alteration in crenulated zone , ankerite ,calcite
		58.60-59.00 86917 12cm quartz carbonate vein with tr tourmaline
		63.00-63.60 85918 sample abundant pin-point cba
		102.70-103.70
		86919 weakly altered weak shear 103.70-104.70
121.00	125 40	86920 vugy quartz carbonate veins with tr pyrite (shear?) tr MAFIC VOLCANICS UNDIFFERENTIATED moderate
121.00	120.10	MAFIC VOLCANICS UNDIFFERENTIATED moderate Transitional rock between very weakly altered rocks above & strongly altered below laminated ankerite, sericite & minor quartz carbonate with local granular texture Very approx. Equal to
		rocks at top of hole
		30-50% ankerite & quartz carbonate 30% sericite intimate lamination & layering
		chlorite (20% sericite tr fuchsite associated with some quartz carbonate verify strongly developed folin S1 // to S0 (?) at 70-75 degrees to core axis millimeter, local S2
		l cronulation / one centimeter that quartz carponate vent along 52)
		M tr pyrite + minor seamy fine grained pyrite near end of interval tr arsenopyrite , fine grained blebby
		121.00-122.00 86921 moderately altered seds (sericite ankerite,quartz carbonate)
	ļ	86922 moderately altered with one centimeter S2 // quartz carbonate vein, + 3cm foili/qccm
		123.00-124.00 86923 moderately altered
		124.00-125.00 86924 moderately altered slightly up hole alteration
		125.00-125.40 86925 moderately altered with tr ars & one% pyrite (fine & seamy)
125.40	133.30	
		Strong Strong Strong Strong Strongly altered, very coarse grained textured, grey, brown grey, green grey seds (?) with no discernable sed textures remaining. Abundant qtz eyes look rounded & clastic upper contact is
		finer seds, highly altered & sharp @ 127.1meters is sharp at 132.Nine alteration is pervasive 8 extends from 130-132.1meter litho
		maintains a very coarse grained , porphyritic looking texture
		pervasive strong sericite pervasive moderate ankerite + a few ankerite veinlets
		2cm quartz carbonate vein @ 130.8m , 6cm quartz carbonate vein 131.Eight 4cm 132. 3 , 12cm 132.Five
		odd alteration may give rise to very coarse grained texture Looks somewhat initiasive
		foln is generally poorly developed at 80 degrees to core axis but qualtz carbonate verification
		65 degrees to core axis RQD of 70 at fracs // to S2 (SE flat)
		minor tr ars throughout often fine grained euhedral
		one% coarse grained pyrite euhedral throughout up to 10% locally (
	ļ	associated with coarse grained material) occasionally sub-msv blebby
		125.40-126.40 86926 strongly altered seds with first appearence of arsenopyrite finely disseminated &

From	То	Geological Log
		closely associated with fine grained pyrite near end of interval
	i	126.40-127.30
		86927 beginning of coarse clastic (?) unit with two-three% finely disseminated sulfide
		including .Five% qvns 127.30-128.10
		86928 same as above with slightly more sulfide
		128 10-129 10
		86929 very coarse grained highly altered coarse clastics coarse grained pyrite
		129.10-130.10 86930 very coarse grained reddish & greenish altered calcite unit very coarse grained pyrite
Ì		130 10_131 10
		86931 variably altered porphyritic looking unit 2cm quartz carbonate vein five% very coarse
		grained pyrite , 3cm quartz carbonate vein with tourmaline bands
		131.10-132.10
		86932 6cm quartz carbonate vein in porphyry, pyrite is fine - coarse grained disseminated
l		132.10-133.30 86933 contact zone between c unit & sericite finer unit contact @ 132.Eight 12cm q ankerite
		vein + four centimeter quartz carbonate vein , vein sericite alteration
133.30	145.80	WACKES moderate
		Fine grained grey wacke (almost argillites?) with abundant sericite & ankeritic alteration
		throughout . Rocks are pale ochre to yellow grey a few conglomeratic beds (?) very strong sericite alteration pervasive throughout
		moderate ankeritic alteration
		minor chloritic alteration associated with conglom(?) beds
		very strong locally silicification
		S0 & S1 @ 80 degrees to core axis
		S2 not observed M tr-one% fine grained pyrite disseminated throughout
		133 30-134 30
	1	86934 sericite, ankeritic, fine grained WACKES with tr-one% pyrite disseminated throughout
		134 30-135 30
		86935 sericite, ankeritic, fine grained WACKES with tr-one% pyrite disseminated throughout
		135.30-136.30 86936 sericite, ankeritic, fine grained WACKES
		136.30-137.30
		86937 sericite, ankeritic, fine grained WACKES one% arseno
		137.30-138.30
i		86938 sericite, ankeritic , fine grained WACKES
		138.30-139.30 86939 sericite, ankeritic, fine grained WACKES + 20 centimeter chloritic conglom unit
		139,30-140.30
		86940 sericite, ankeritic, fine grained WACKES
		140.30-141.30
		86941 sericite, ankeritic, fine grained WACKES
ļ		141.30-142.30 86942 sericite, ankeritic, fine grained WACKES
		142.30-143.30
		86943 sericite, ankeritic, fine grained WACKES + 2cm, irregular, tourmaline bearing quartz
		carbonate vein
		143.30-144.30
[		86944 sericite,ankeritic, fine grained WACKES
		144.30-145.30 86945 sericite, ankeritic, fine grained WACKES
		145 30-145 80
		86946 sericite, ankeritic, fine grained WACKES 3cm irregular quartz carbonate band + avg
		over 30cm - contact (five% blebby pyrite)

From	То	Geological Log
145.80	149.60	WACKES strong
		Yellowish ochre, medium - coarse grained seds (?) sed features destroyed by alteration, abundant sericite alteration throughout, local ars pyrite minor
		alteration envelope magnetite altered zone below
]		sericite alteration is strong & pervasive
		silicification is strong throughout
,		patchy strong ankeritic alteration
		S1 (?) S0 @ 75-80 degrees to core axis
		RQD a few 90 M one-two% local ars + pyrite fine grained bands
		145.80-146.80
		86947 very sericite silicified WACKES (?) with one% fine grained pyrite in blebs
		146.80-147.80   86948 very sericite silicified WACKES(?)
		147.80-148.80
		86949 very sericite silicified WACKES(?)
		148.80-149.60
440.00	450.00	86950 very sericite silicified WACKES (?)
149.60	156.30	WACKES strong Reddish - dark reddish gry , very coarse highly altered coarse clastic unit. Thin sericite unit (
		pure sericite + silica) from 155. Three - 155. Six seperated @ reddish coarse clastic units
		very altered throughout strongly silicified , moderate hematic alteration (?) fine grained
		magnetite
		throughout
		sericite unit near end of interval (see below)
		ankerite only in veinlet RQD of 30 from 153-155 (FAULT ZONE?) vuggy 70 otherwise S1 @ 75 degrees to core axis (?)
		M- one-five% fine grained pyrite often associated with magnetite, tr ars locally 149.60-150.60
		86951 one% interstitial pyrite in reddish calcite unit
		150.60-151.60   86952 one% interstitial pyrite in reddish calcite unit + two 1cm S2 // quartz carbonate veins
		151.60-152.20
		86953 two% pyrite + abundant magnetite in laminated rock , somewhat vuggy tr ars 152.20-153.20
		86954 five% pyrite + abundant magnetite in vuggy calcite unit
		153.20-154.20
		86955 five% pyrite + abundant magnetite in vuggy calcite unit
		154.20-155.40   86956 five% pyrite + abundant magnetite in vuggy calcite unit
		155.40-155.70
		86957 sericite inter-unit two% magnetite
		155.70-156.30 86958 five% pyrite + abundant magnetite in vuggy calcite unit
156.30	159.30	WACKES strong
.55.50	. 30.30	Yellowish, sericite / silc unit approx. Equal to (145.Eight - 149.Six)
		strong pervasive ankeritic alteration , minor quartz carbonate alteration
		minor S2 cleavage
		156.30-157.30 86959 sericite , silicified WACKES with tr pyrite + ars
		157.30-158.30
		86960 sericite , silicified WACKES with tr pyrite + ars
		158.30-159.30
		86961 sericite, silicified WACKES with tr pyrite + ars

From	То	Geological Log
159.30	165.20	WACKES moderate Grey/ochre locally banded altered seds ; sericite + ankerite abundant quartz carbonate vein (coddled ankerite)
		strong ankeritic alteration (pervasive) + strong sericite alteration, pervasive + pure sericite bands local silicification approx. Equal to numerous large, irregular quartz carbonate veins S0 & S1, are variable approx. Equal to quartz carbonate veins, generally high less than to core axis
		S2 is locally well developed RQD 60
		tr pyrite throughout, vein edges host semi msv pyrite locally minor blebby dirty pyrite local in some medium grained units 159.30-160.30
		86962 1cm , irregular, crenulated quartz carbonate vein in sericite ankeritic seds 160.30-161.30 86963 sericite ankeritic seds
		161.30-162.60 86964 abundant grey coddled carbonate quartz carbonate veins with abundant (10%) sulfides
		along edges + sericite (three-30cm) 162.60-163.60
		86965 abundant grey coddled carbonate quartz carbonate veins with abundant (10%) sulfides
		along edges + sericite (three-30cm) 163.60-164.60
		86966 sericite WACKES with abundant irregular quartz carbonate stringers 164.60-165.20 86967 6cm + 24cm quartz carbonate veins , tr pyrite
165.20	167.00	SILTSTONE/MUDSTONE weak
		Dark gry-black banded
		weak sericite alteration in bands , tr pyrite , a few blebs of pyrite or bands locally bands are crenulated
1		165.20-166.70
		86968 irregular quartz carbonate alteration , tr pyrite 166.70-168.20
		86969 irregular quartz carbonate alteration , tr pyrite
167.00	170.70	WACKES/SILTSTONE/MUDSTONE weak
		Weakly altered grey-dark grey centimeter bedded grey wacke with minor dark argillite minor irregular quartz carbonate alteration throughout minor local sericite alteration
		weak patchy ankeritic alteration
		S0 S1 @ 85 degrees to core axis S2 is observable in irregular quartz carbonate alteration
		RQD 70   168.20-169.70
		86970 irregular quartz carbonate alteration , tr
		86971 irregular quartz carbonate alteration, tr
170.70	188.80	WACKES Variably grey centimeter - decimeter scale bedded grey wacke showing graded bedding tops
		uphole
		very weak patchy ankeritic
		local weak quartz carbonate alteration
		very minor local sericite S0 80 degrees to core axis
		S1 50 degrees to core axis acute
		S2 locally developed

From To Geological Log					
		M tr pyrite locally graded bedding changes direction approx. Equal to 187mSignificant structure or local crenulation?			
188.80	197.80	WACKES weak Same as above with minor ,local silicification & minor quartz carbonate alteration 190.50-191.40			
		86972 tr pyrite meter two silicified zones (15cm+25cm)			
197.80	225.10	WACKES moderate Medium grained grey wacke + minor argillites variably altered; silicification sericitization ankerite alteration, some intervals are moderately altered, others only weakly altered very strongly silicified medium grained grey wacke (thick bed?) from 197. Eight-203. Four pure silical check sample only variable silical alteration throughout some blue cloudy silicification carries pyrite are locally banded aer, qtz & coddled ankerite S0 @ 85 degrees to core axis S1 @ 55dtca perpendicular folm (SE strike vert dip?) S2 crenulation rarely locally developed			
		fracture zone 205-206, well developed foln 220.5m  M tr pyrite + ars associated with strongly silicified zone (bluish S102) tr-one% pyrite associated with sericite / quartz carbonate alteration 197.80-198.10			
		86973 check sample large silicified unit 201.40-201.80 86974 check sample large silicified unit 202.40-203.40			
		86975 check sample large silicified unit with bluish silica , tr pyrite			
		*sild zone Only partially sampled 203.40-204.40			
į		86976 minor argillite, abundant quartz carbonate alteration one% coarse blebby pyrite 204.40-205.40			
		86977 fine grained grey wacke fractured quartz carbonate alteration 205.40-206.40			
	1	86978 sericite alteration + 20 centimeter coddled carbonate , q zone with one% pyrite 206.40-207.40			
		86979 sericite alteration, minor quartz carbonate alteration tr pyrite 207.40-208.40 86980 argillite with variable alteration, silicification sericitization one% pyrite (fine grained) associated with sericite bands (pale alteration)			
		208.40-209.40 86981 20cm pale sericite alteration with one% dirty blebby pyrite + arg/ser/qcv alteration			
		209.40-210.40 86982 variable sericite, silc alteration 210.40-211.40 fuchsite			
	ŀ	86983 25cm pale sericite band with fuchsite + one% blebby dirty pyrite			
		211.40-212.40 86984 50cm silicified sericite zone with tr pyrite + tr pyrite ars in quartz carbonate alteration below			
		212.40-213.40 86985 weakly altered WACKES with 15 meter ser/silc/zone			
		213.40-214.40 86986 weakly altered WACKES			
		214.40-215.40 86987 weakly altered WACKES + minor quartz carbonate alteration			
		215.40-216.40 86988 abundant quartz carbonate alteration , sila/sern over 60cm 8cm quartz carbonate veil 216.40-217.40			

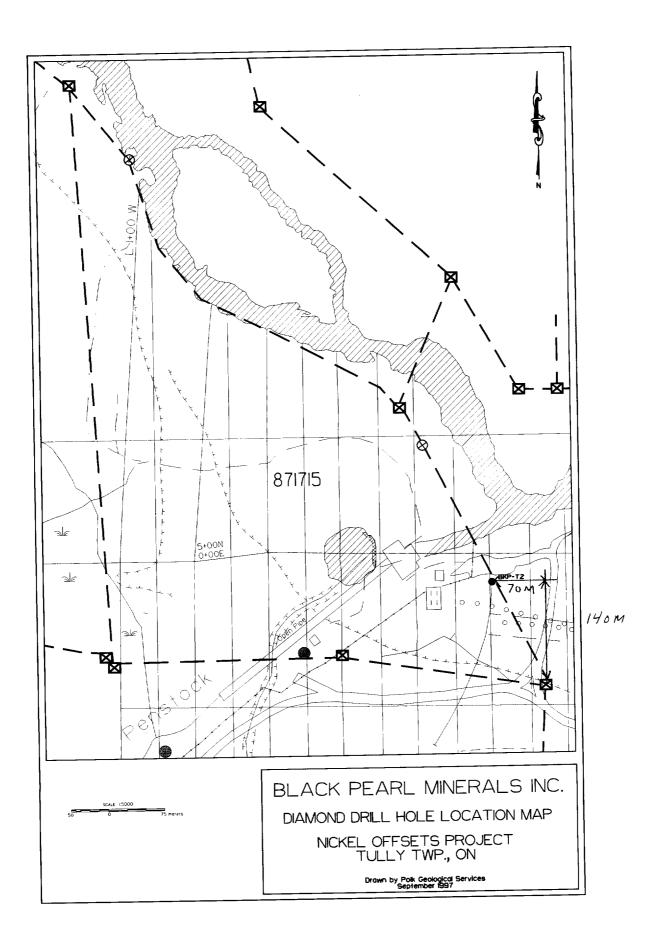
From	То	Geological Log
		86989 abundant quartz carbonate alteration , sila/sern over 30cm 2cm quartz carbonate vein
	ļ	217.40-218.40 86990 s sericite alteration (banded) 10cm + 2cm quartz carbonate vein with coddled ang 218.40-219.40
		86991 variable sericite, silc & quartz carbonate alteration in argillite + WACKES 219.40-220.40
		86992 20cm silicified zone 220 40-221 40
		86993 minor quartz carbonate alteration in weakly altered WACKES 221.40-222.40 86994 50cm silicified zone + two two-3cm quartz carbonate veins (coddled)
: :		222.40-223.40 86995 variable sericite alteration (weak-moderate)
		223.40-224.40 86996 variable sericite alteration (weak-moderate)
225.10	222 20	224.40-225.10 86997 20cm silicified zone + variable sericite alteration WACKES weak
225.10	233.20	Weakly altered , dark grey , centimeter bedded WACKES sediments graded bedding puts tops downhole (s) , moderately fold
		minor sericite alteration locally minor quartz carbonate alteration often coddled textured
		local silicification approx. Equal to quartz carbonate veins very weak patchy ankeritic alteration S0 approx. Equal to 88 degrees to core axis
		S1 @ 70 degrees to core axis
		tr pyrite locally 229.00-229.60
233.20	238.00	86998 sericite, quartz carbonate alteration zone over 40cm  WACKES moderate  WACKES with moderate local silicification & sericitization
	ir.	Thick bed of medium grained grey WACKES with moderate local silicification & sericitization grey - dark grey
		variable silicification sericitization locd throughout a few ankerite veins especially in silicified areas
		weak pervasive ankerite throughout S0 at 75 degrees to core axis (?)
		foln @ 45 degrees frome core axis rotated xdegrees from bedding tr pyrite associated with silicification
		233.20-234.20 86999 minor silicification over six, 8cm tr pyrite
		234.20-235.20 87000 minor silicification over six, 8cm tr pyrite 235.20-236.20
		86851 minor silicification over six, 8cm tr pyrite + minor quartz carbonate alteration
		86852 minor silicification over six, 8cm tr pyrite + minor quartz carbonate alteration 237.20-238.00 86853 minor silicification over six, 8cm tr pyrite + minor quartz carbonate alteration
238.00	252.90	WACKES strong Highly altered, pale grey - creamy grey ochre WACKES sediment with no observable
		sedimentary features the unit is comprised of abundant silicic sericitic & ankeritic alteration associated with minor large q /q ankerite veins, parallel to sub-parallel to bedding (?). Alteration is variable from moderate to very strong & generally pervasive sericite alteration is strong on unit edges, silica is
		strong inside

rom	То	Geological Log		
		all structural features are ill defined but most quartz carbonate veins occur at 75 degrees to core		
1	axis tr - two% pyrite fine grained & disseminated throughout, locally blebby tr arsenopyrite very fine grained disseminated throughout vg t 246m associated with 33cm quartz carbonate vein			
İ				
ŀ				
Ţ		200 00 000 00		
		86854 s silicification over 20cm , 25cm tr ars , tr pyrite hazy silica moderate ankerite		
1		1		
		86855 s silicification over 30cm (tr ars, one% pyrite) minor S2 // quartz carbonate veins		
		a		
,		86856 moderate silicification throughout one% very fine grained pyrite disseminated		
1		throughout		
ļ		24 00 040 00		
,		The second of th		
		86857 moderate silicification throughout one % very fine grained pyrameters throughout + 12cm quartz carbonate vein coddled ankerite, sericite edges + two% pyrite tr		
		ars		
l		1		
		ocess very soricite zone approx. Equal to 25cm quartz carbonate vein network one // pyrice		
		associated with qcvnlts strong silicification with one% pyrite in last 10cm		
		0.40.00.044.00		
		243.00-244.00 86859 s sericitization silicification , 6cm broken quartz carbonate vein tr pyrite + ankerite ,		
		minor fuchsite alteration		
	Ì	244.00-244.50 86860 43cm quartz carbonate vein (coddled ankerite) + s sericite alteration tr pyrite tr ars		
		86860 43CM quartz carbonate vem (coddied aments)		
		244.50-245.20 86861 s sericite alteration , ankerite veinlets carries tr-one% pyrite		
	į			
		245.20-245.80 86862 s sericite alteration approx. Equal to 3cm , irregular,quartz carbonate vein		
	1			
		245.80-246.20 86863 33cm quartz carbonate vein, coddled ankerite , one% blebby pyrite along upper vein		
		86863 33cm quartz carbonate vein, coddied ankonto, one of allowing py		
		edges, s sericite alteration vg @ 246.6m three localities in vein centre 2/3 down vein		
	ŀ	three localities in vein centre 2/3 down vein		
		one- linear bleb in qtz 4mmx1mm		
	Ì	two- abundant blebs over 5mmx4mm associated with gry carbonate in qtz		
		three- linear bleb + several specs in qtz 4mmx1mm		
		246.20-247.00		
		86864 sericite alteration (s) + one% very fine grained disseminated pyrite + ars 2cm coddle		
		quartz carbonate vein		
		247.00-248.00		
		86865 saa with 6cm quartz carbonate vein @ 40dtca		
		248.00-249.00		
		86866 saa , silicified abundant quartz carbonate alteration		
		1040 00 350 00		
	1	86867 abundant sericitization , silicification + quartz carbonate alteration +ank		
		250.00-251.00		
		86868 abundant sericitization, silicification + two% fine disseminated pyrite		
	Ì	254 00 252 00		
	]	86869 abundant sericitization , silicification + two% fine disseminated pyrite		
		252 00-252 90		
		86870 abundant sericite alteration + ankerite veinlets one% pyrite		
252.9	0 266	TO THE OKE O'CH TOTOME MAID STONE WOOK		
252.9	200.	Variably altered gry-dark grey-black grey wacke with minor argillite units most sed units are 10		
	]	of centimeter thick and show no graded bedding		
		pervasive weak sericite alteration , locally stronger		
		millimeter quartz carbonate alteration		
		S0 @ 85 degrees to core axis		
		S1 @ 70 degrees to core axis		
	1	101 (m) to degrees to core axis		

From	То	Geological Log
		tr pyrite locally 252.90-253.90 86871 tr pyrite in weakly sericite silc seds 258.90-259.90 86872 moderately silicified zone 265.40-266.40
266.40	86873 moderately sericitized silicified zone above alteration below WACKES moderate Moderately sericite, silica altered sed's, pale grey - greenish grey with a large quartz carbonate vein pervasive sericite alteration pervasive ailc alteration local strong	
		millimeter ankerite as anlts S0 @ 85 degrees to core axis S1 @ 50 M tr fine grained pyrite locally 266.40-267.40
		86874 s silicified @ 15cm coddled ankerite quartz carbonate vein 267.40-268.40 86875 s silicified locally , 3cm irregular veinlet tr ars
		268.40-268.80 86876 silicification, sericitization minor quartz carbonate alteration
268.80	302.00	WACKES weak Weakly altered variable grain size wackes with locally stronger alteration greenish-pale greyish in colour locally well mineralized pervasive weak locally moderate sericite alteration, occassionally banded local silicification minor quartz carbonate vein alteration
		pin-point cba approx. Equal to 274.5m minor chlorite S0 75-85 degrees to core axis S1 65 rotated 90 degrees RQD of 50-60
		interesting crenulation ( sense of motion) 286.Nine  M up to two% fine pyrite minor associated with some medium grained beds
		274.70-275.70 86877 one% coarse grained pyrite with chlorite / qtz pressure shadows in sericite alteration, minor quartz carbonate alteration 279.00-280.00
		86878 weakly sericite altered medium-coarse grained WACKES with abundant coarse grained EUH (two%) pyrite + a few thin quartz carbonate veins with tr ars + one% pyrite 281.00-282.00 86879 variably sericitized WACKES with minor quartz carbonate alteration
		282.00-282.50 86880 variably sericitized WACKES with minor quartz carbonate alteration
		282.50-283.00 86881 very coarse grained qtz arenite with tr ars (very fine grained disseminated) 283.00-284.00
		86882 medium grained sericite WACKES with two% very fine grained pyrite nice looking rock 284.00-285.00
		86883 saa with more coarse grained euhedral pyrite 285.00-286.00
		86884 coarse grained unit with one% coarse grained pyrite 286.00-287.00 86885 coarse grained unit with one% coarse grained pyrite

From	То	Geological Log
		287.00-288.00 86886 sericite coarse grained seds tr pyrite 288.00-289.20 86887 sericite coarse grained seds with abundant quartz carbonate alteration, minor pyrite 10cm very sericite zone has two% very fine grained disseminated pyrite, tr fuchsite 296.00-297.00 86888 five NE striking, vertical qtz stringer sharp contact + 1cm coddled ankerite S2 associated crenulated stringer tr-one% fine grained pyrite 297.00-298.00 86889 45cm sericite zone two% blebby, dirty pyrite, pin-point cbn 298.00-299.00 86890 sericite seds, weak ankerite, tr pyrite
302.00	305.00	WACKES Grey monotonous, centimeter bedded WACKES with minor argillite minor quartz carbonate alteration local minor ankeritic alteration S0 75 degrees to core axis S2 bottom side S motion tr pyrite (blebby) locally

\*\*\* END OF HOLE \*\*\* 305.00





Ministry of Northern Development and Mines

# **Declaration of Assessment Work** Performed on Mining Land

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

> Agent's Address 00

1201



Transaction Number (office use)
W9760.00454
129760.00411
Assessment Files Research Imaging

- Please type or print in ink.  1. Recorded holder(s) (Attach a list if necessary)  Name  Comariex Minimals Corr  Address  Poli-10/5 4th ST SW  CALCARA ALAERTA TAR 134  Telephone Number  453-23)-142/  Client Number  Comaries State State  Fax Number  Comaries State  Corr  Telephone Number  Comaries State  Tarent Number  Telephone Number	Personal information Mining Act, the infor Questions about th 933 Ramsey Lake F  42A0SSW0037 2.17907 THORNELOE	and 66(3) of the Mining Act. Under section 8 of the nt work and the section 8 of the of Northern bases of the third with the section 8 of the nt work and the der.	
Commodity  Total System Date of Green Number  Commodity  Total System Date of Green Number  Commodity  Commodi	2 . 17	9 0 7 PORCUPINE MINING DIVISION	
COMPRIEX MINICALLY CORT   SUMPLEMENT   SUM	1. Recorded holder(s) (Attach a list if necessary)		
## FT Stal   F23 - 21   Styl    ## ST Number   Fax Number    ## Stal   Fax Number    ## Commodity    ## Stal   Fax Number    #	Name Additional Copper		
Fax Number   Fax	Address Li-		
2. Type of work performed: Check ( / ) and report on only ONE of the following groups for this declaration.  Geotechnical: prospecting, surveys, assays and work under section 18 (regs)  Physical: drilling, stripping, trenching and associated assays  Office Use  Commodity  Total \$ Value of Work Claimed  Work Claimed  From 13 98 10 20 18 10 10 10 10 10 10 10 10 10 10 10 10 10		Fax Number	
2. Type of work performed: Check ( / ) and report on only ONE of the following groups for this declaration.  Geotechnical: prospecting, surveys, assays and work under section 18 (regs)  Physical: drilling, stripping, trenching and associated assays  Office Use  Commodity  Total \$ Value of Work Claimed  Work Claimed  From 13 98 10 20 18 10 10 10 10 10 10 10 10 10 10 10 10 10	CALGADY ALAFRIA T28 154		
2. Type of work performed: Check ( ~ ) and report on only ONE of the following groups for this declaration.  Geotechnical: prospecting, surveys, assays and work under section 18 (regs)  Work Type  D/Ari ONA  DRILLING  Total \$ Value of Work Claimed  Work Claimed  From ON ON ONE OF TO DAY More  Performed ON ON ON More  From ON	Name	Client Number	
2. Type of work performed: Check ( ~ ) and report on only ONE of the following groups for this declaration.  Geotechnical: prospecting, surveys, assays and work under section 18 (regs)  Work Type  Deates Work From Deate Work From Deate Work Performed  Global Positioning System Data (if available)  The work Number  More Opan Number  The work Performed  Ground Deate (if available)  The work Performed  Perf	Address	Telephone Number	
2. Type of work performed: Check ( r ) and report on only ONE of the following groups for this declaration.  Geotechnical: prospecting, surveys, assays and work under section 18 (regs)  Physical: drilling, stripping. Trenching and associated assays  Office Use  Commodity  Total \$ Value of Yell Sulue of Work Claimed  From 13 Name  Performed  Ordina Work Prom 13 Name  To 20 98 No North Name  Commodity  Total \$ Value of Yell Sulue of Work Claimed  Township/Area  Township/Area  Mining Division  Name  Mining Division  Name  Mining Division  Name  Mining Division  Name  Address  A T A T A T A T A T A T A T A T A T A		Fay Number	
Geotechnical: prospecting, surveys, assays and work under section 18 (regs)  Work Type  ### Professional Commodity    Professional Commodity   Pro		T ax Trumber	
Mork Type    Digital State   Commodity   Total State   Total State   Commodity   Total State   T	Geotechnical: prospecting, surveys, Physical: drillin		
Dates Work Performed From 13	assays and non charter to		
Dates Work Performed From 13   08   10   10   10   10   10   10   10		Commodity	
Performed   From   Day   Moonh   Vaar   Day	DIAMOND DRILLING		
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    Costs   Costs	Performed From Jay Month Year Day Month Year	NTS Reference	
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 021; - 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    Costs, form 021;   Costs   Parker   Parker   Parker   Parker	Global Positioning System Sata (ii Standard)	Mining Division Parcuping	
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    Pere   G   Pere   Pere   Pere   Pere   Pere			
Name    PETER G. MTHERTON   Fax Number   GEOSCIENCE ASSESSMENT   GEOSCIENCE AS	- provide proper notice to surface rights holders of complete and attach a Statement of Costs, form provide a man showing contiguous mining lands	00101 Starting 11 5 1 1 1	
Name    PETER G. MTHERTON   Fax Number   GEOSCIENCE ASSESSMENT   GEOSCIENCE AS	3 Person or companies who prepared the technical report (Attac	h a list if necessary)	
Name  Address  Name  Telephone Numer ECEVED  Fax Number  GEOSCIENCE ASSESSMENT  OFFICE  1,   Gerial Name  (Print Name)	Name	Telephone Number 23; 73.7	
Name  Address  Name  Telephone Numer ECEVED  Fax Number  GEOSCIENCE ASSESSMENT  OFFICE  1,   Gerial Name  (Print Name)	PETER G. ATHERTON	Fax Number	
Name  Address  Telephone Number CEIVED  Fax Number 9.30 Am 0 OCT 17 1997  GEOSCIENCE ASSESSMENT OFFICE  4. Certification by Recorded Holder or Agent  (Print Name)	Address P. S. 136× 372  1 657- New State ST PORCUPING BAT	1-705-235-5094	
Name  Address  Telephone Number GECEIVED  Fax Number 9:30 Am OCT 17 1397  GEOSCIENCE ASSESSMENT OFFICE  4. Certification by Recorded Holder or Agent  (Print Name)	Name	Telephone Number	
Address  Fax Number  9.30 Am  0CT 17 1997  GEOSCIENCE ASSESSMENT OFFICE  1, Print Name)  (Print Name)  (Print Name)  (Print Name)  (Print Name)  Assessment Work having caused the work to be performed or witnessed the same during	Address	Far Nothbed)	
4. Certification by Recorded Holder or Agent  1. Print Name)  (Print Name)	Name	Telephone NumBECEIVED	
4. Certification by Recorded Holder or Agent  1. Perex (Print Name), do hereby certify that I have personal knowledge of the facts selected the same during that I have performed or witnessed the same during	Address		
4. Certification by Recorded Holder or Agent  1, Print Name), do hereby certify that I have personal knowledge of the facts set (Print Name).  (Print Name) Assessment Work having caused the work to be performed or witnessed the same during		GEOSCIENCE ASSESSMENT	
I, Print Name), do hereby certify that I have personal knowledge of the facts sel	4. Certification by Recorded Holder or Agent	OFFICE	
A Approximate Approximate Approximate Approximate Approximate the Work having caused the work to be performed or witnessed the same during		that I have personal knowledge of the facts set	
	this Delegation of Assessment Work having caused the work	to be performed or witnessed the same during	

Telephone Number

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)



Ministry of Northern Development and Mines

# Statement of Costs for Assessment Credit

Transaction Number (office use W9760, 60454

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  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
DAMBARO SIKILLING	305.0 METRES	47.99	14,637
		5 135	0 %
Associated Costs (e.g. supplies,	mobilization and demobilization).		
		R	OCT 16 1997
		POR	CUPINE MINING DIVISION
Transp	ortation Costs		
Food a	nd Lodging Costs		
·	Total Value o	of Assessment Work	14,637
Calculations of Filing Discounts:			
Work filed within two years of p     If work is filed after two years a	performance is claimed at 100% of th and up to five years after performance his situation applies to your claims, u	e, it can only be claime	o at 50% of the Total
TOTAL VALUE OF ASSESSME			alue of worked claimed
Note: - Work older than 5 years is notce - A recorded holder may be required request for verification and/or correct Minister may reject all or part of the second	ed to verify expenditures claimed in tection/clarification. If verification and/	or correction/clarification	within 45 days of a on is not made, the SECEIVED
O-Altication conditions conto			OCT 17 1897
Certification verifying costs:  I, PETER & HTWERFON (clease print full name)	, do hereby certify, that th	e amounts shown are	SCIENCE ASSESSIMENT
reasonably be determined and the	e costs were incurred while conducting	g assessment work on	the lands indicated on
the accompanying Declaration of	Work form as $\frac{\mathcal{H} \mathcal{E} \mathcal{V}_{1}}{\text{(recorded holder, agent, or stat)}}$	e company position with signing	l am authorized
to make this certification.			
	Signature		Date
	the same	B. And	Oct 10/97

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



January 13, 1998

COMAPLEX MINERALS CORP. SUITE 901, 1015 FOURTH ST. S.W. CALGARY, ALBERTA T2R-1J4 Geoscience Assessment Office 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (888) 415-9846 Fax: (705) 670-5881

Dear Sir or Madam:

Submission Number: 2.17907

Subject: Transaction Number(s):

W9760.00454 Approval

**Status** 

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.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

**ORIGINAL SIGNED BY** 

**Blair Kite** 

Supervisor, Geoscience Assessment Office

Mining Lands Section

Correspondence ID: 11739

Copy for: Assessment Library

# **Work Report Assessment Results**

**Submission Number:** 

2.17907

**Date Correspondence Sent:** January 13, 1998

Assessor:Steve Beneteau

**Transaction** 

First Claim

Number

Township(s) / Area(s)

Status

**Approval Date** 

W9760.00454

871715

**THORNELOE** 

Approval

January 12, 1997

Section:

Number

16 Drilling PDRILL

Assessment work credit has been approved as outlined on the amended Report of Work form submitted.

**Correspondence to:** 

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

**Resident Geologist** 

South Porcupine, ON

Peter G. Atherton

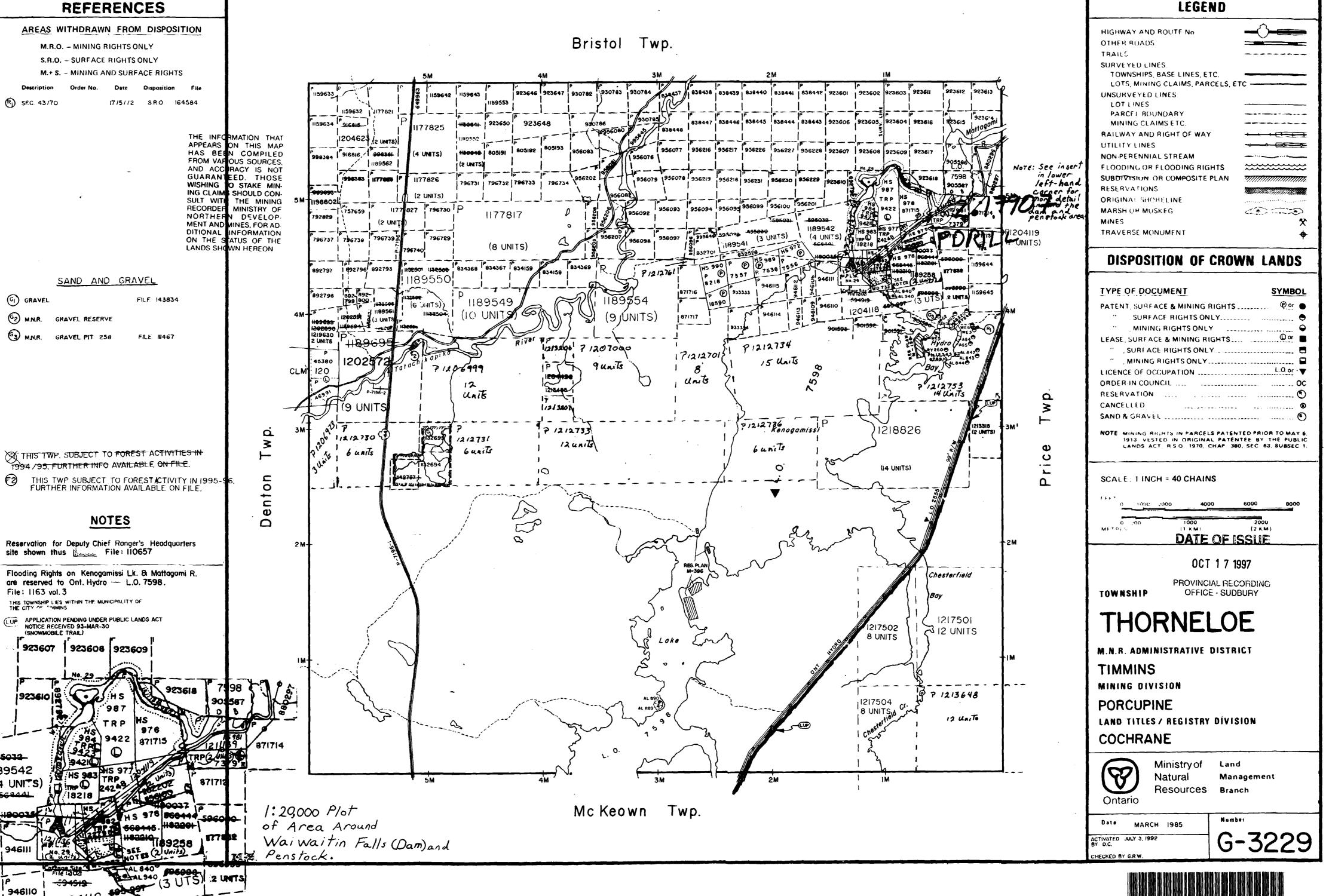
PORCUPINE, ON, CANADA

**Assessment Files Library** 

Sudbury, ON

COMAPLEX MINERALS CORP.

CALGARY, ALBERTA



45 9 12 P

1204118



