



42A14SW0130 2.14006 REID

010

2.14006

COMSTATE RESOURCES LTD.
SUMMARY OF EXPENDITURES FOR
GEOCHEMICAL ASSAY AND WHOLEROCK ANALYSES
FROM
DIAMOND DRILL HOLES R-90-1 to R-90-6
INCLUSIVE
REID AND MAHAFFY TOWNSHIPS,
PORCUPINE MINING DIVISION, ONTARIO

March 15, 1991

RECEIVED

MAR 19 1991

Kimberly M. Cunnison,
MINING LANDS SECTION

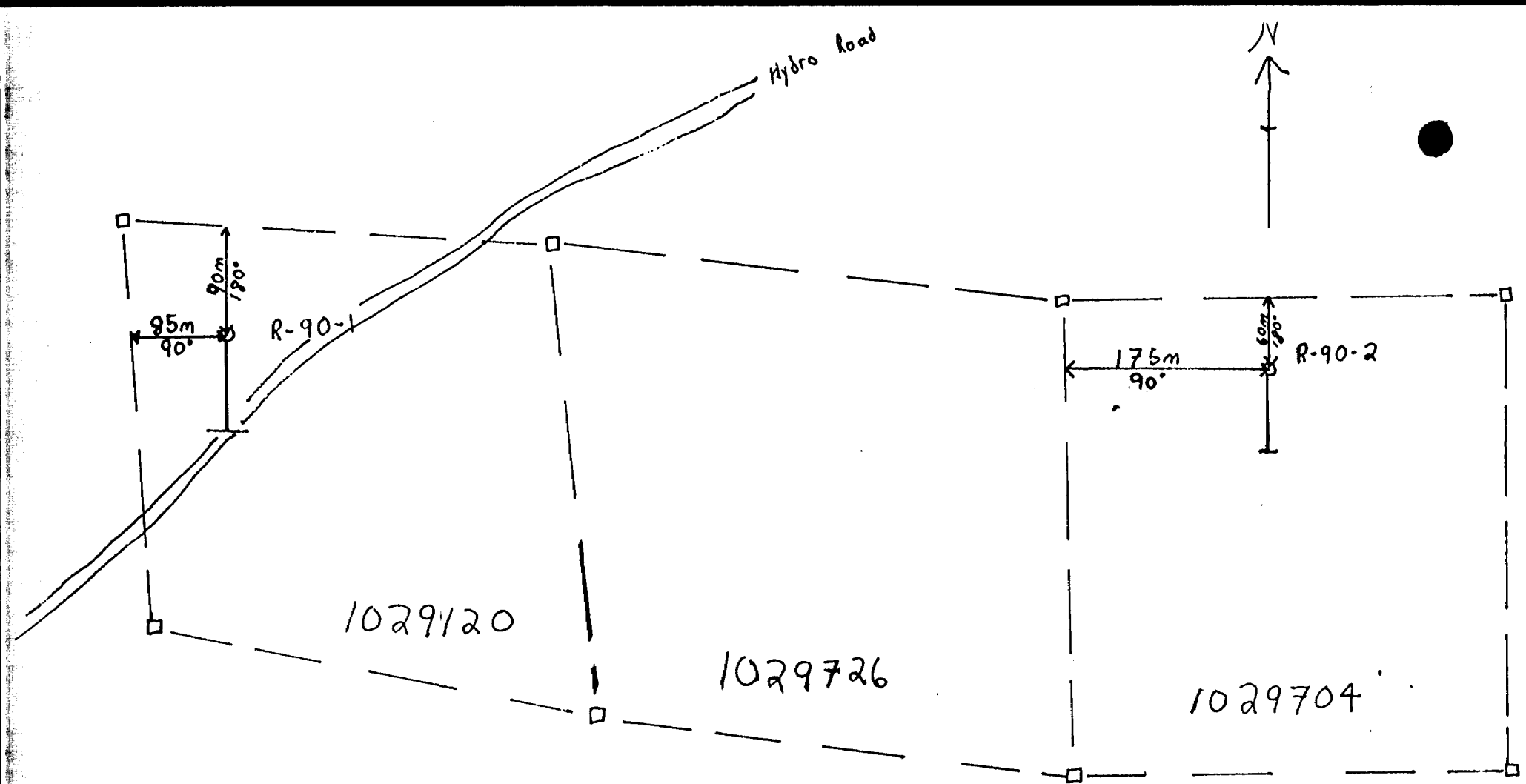
Geologist

Kimberly M. Cunnison

Qualification

2.13416

DRILL HOLE LOCATION MAPS

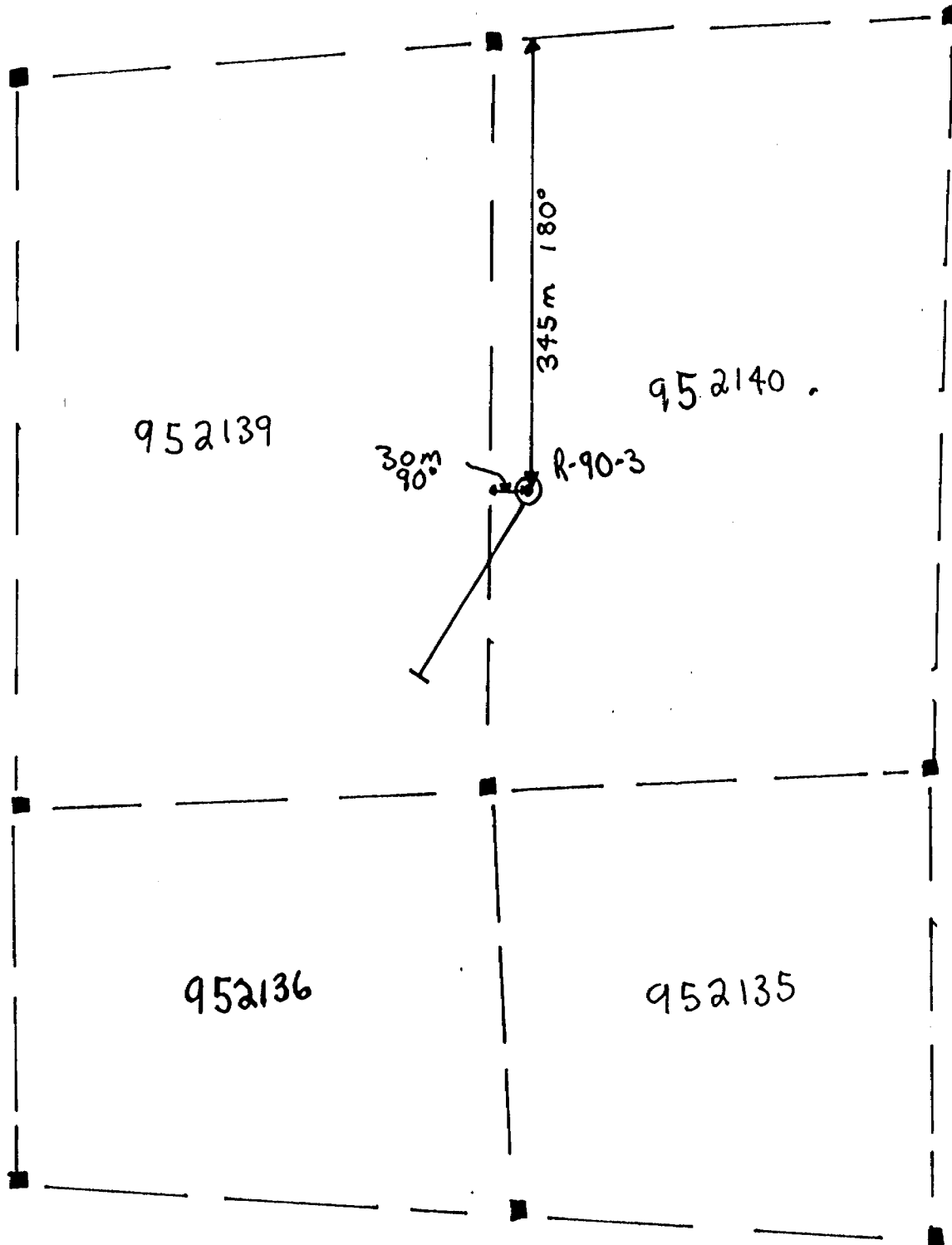


R-90-1
 L 500E 4185N
 Az 180° Dip -55°
 T.O. 129.85 metres

R-90-2
 L 1400E 4165N
 Az 180° Dip -55°
 T.O. 111.56 metres

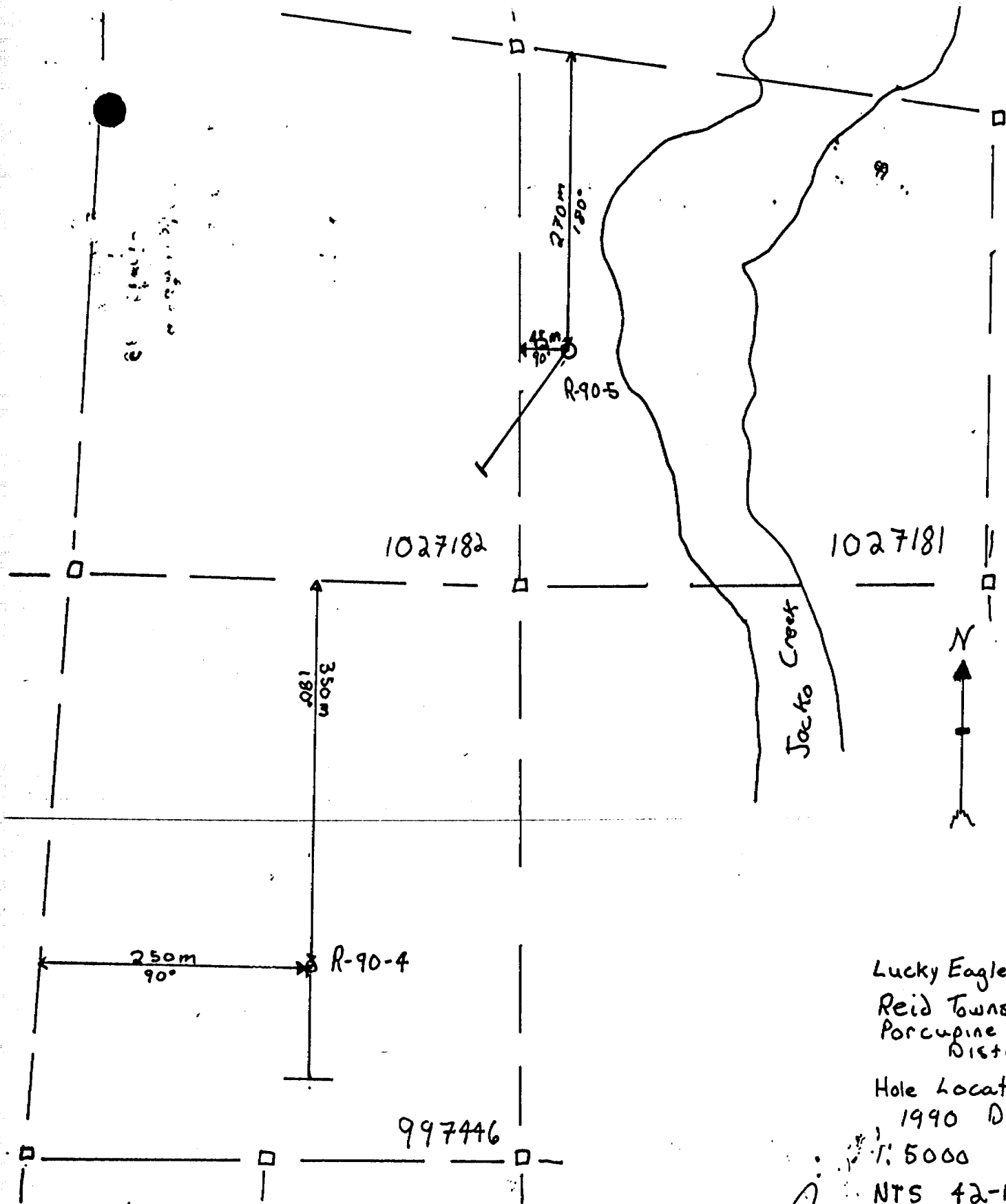
Handwritten signature

Lucky Eagle Mines Ltd.
 Reid Township Property
 Porcupine Mining District
 Hole Location Map.
 1990 Drilling
 1:5000 Oct. 1990
 NTS 42-A-1



DDH R-90-3
claim 952140
L400E, 200S
AZ 212°, Dip -56°
Depth 346.34 metres

[Signature]
Lucky Eagle Mines Lt
Reid Township Property
Porcupine Mining Distr.
Reid Township
Hole Location Map
1990 Drilling
1:5000, Oct 1990



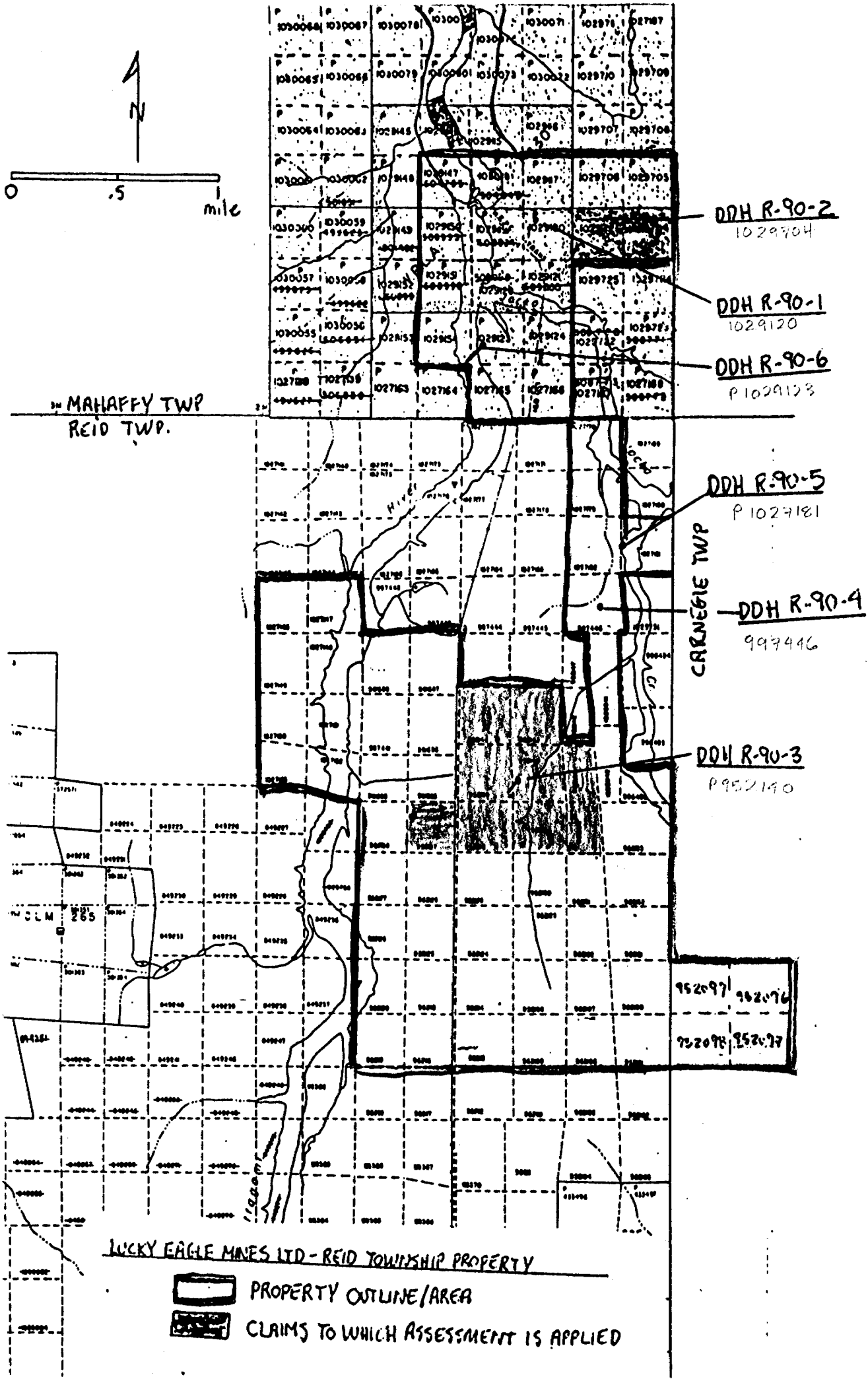
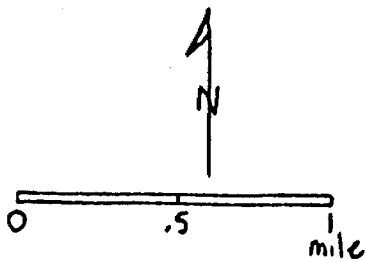
Lucky Eagle Mines Ltd.
 Reid Township Property
 Porcupine Mining District

Hole Location Map
 1990 Drilling
 T: 5000 Oct 1990
 NTS 42-A-14

David West

R-90-4
 10400E 10400N
 Az: 180° Dip-55°
 TO: 129.85 metres

R-90-5
 L12728E 15465N
 Az 216° Dip -55°
 TO 170.73 metres



MAHAFFY TWP
REID TWP.

DDH R-90-2
1029704

DDH R-90-1
1029120

DDH R-90-6
P1029128



DDH R-90-5
P1029181

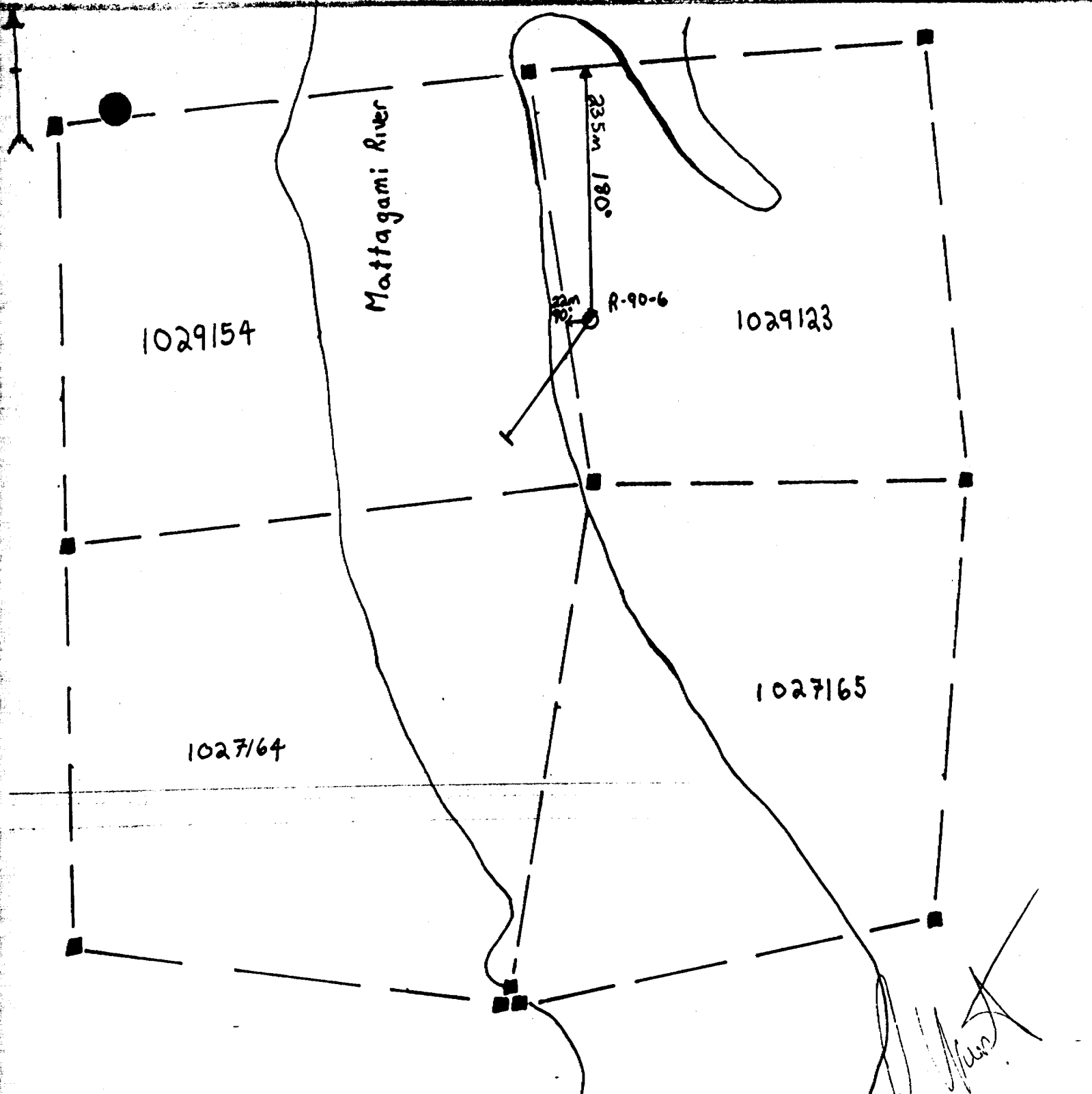
DDH R-90-4
999446

DDH R-90-3
P952190

952097 952096
952098 952097

LUCKY EAGLE MINES LTD - REID TOWNSHIP PROPERTY

-  PROPERTY OUTLINE/AREA
-  CLAIMS TO WHICH ASSESSMENT IS APPLIED



DDH R-90-6
 Claim 1029123
 L 90 E 3210 N
 Az 216°, Dip -56°
 Depth 166.46 metres

Lucky Eagle Mines Ltd
 Reid Township Property
 Porcupine Mining District
 Mahaffy Twp.
 Hole Location Map
 1990 Drilling
 1:5000 Oct. 1990

DIAMOND DRILL LOGS

DIAMOND DRILL LOG

David Christie

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY REID
COMMENCED Aug. 14/90
COMPLETED Aug. 18/90
OBJECTIVE Conductor H
and Sturgeon Falls Fault

NTS 42-A-14
DISTRICT Porcupine District
TWP /LAT LONG Mahaffy Twp.
CLAIM 1029120
CO-ORDINATES L500E 4185N

CORE SIZE BQ
CONTRACTOR Dominik Drilling
DATE LOGGED Aug. 17/90
LOGGED BY D.W. Christie
DDH COMMENTS Water above dam on
on Mattagami River

SURVEY DEPTH DIP AZIMUTH
30.5 51°45'
60.98 50°30'
121.95 47°15'

Hole No. R-90-1 Page 1 of 4
COLLAR AZIMUTH 180°
COLLAR DIP -55°
ELEVATION
LENGTH 129.85m

METRES		% REC	LITHOTYPE	DESCRIPTION	SAMPLE				ASSAYS
FROM	TO	ROD		GEOLOGY (colour, grain size, texture, minerals, alteration, etc.)	SAMPLE No	FROM	TO	TOTAL	% SUL
0	40.1		Overburden	Casing Removed					
40.1	78.03	95%	Silicified Amygdular Andesite (pillowed?)	<ul style="list-style-type: none"> - dk. to med. green - fn. grained - Silicification throughout, varying in intensity, with some cherty brecciated bands (ie 51.33m) - carbonated within matrix (CaCO₃) strongly except in moderate to strongly silicified bands and pillow selvages. - v. blocky 44.15-46.12 into centimetric and decimetric pieces. - bands of chlorite - CaCO₃, alteration over 10-30cm seen throughout. - Amygdules increase in intensity after 53m where they range up to 1cm long (ave 1/2cm) and 5mm wide (Ave 3mm) showing a local 2:1 elongation to foliation. - most amygdules are qtz, altering to CaCO₃, epidote and can be as small as 1mm, with 10% after 53m with bands of concentrations of amygdules. Amygdules often have bleached alteration halos. - between 49-5337 there are round to equigranular grey qtz eyes <3mm up to 25% - CaCO₃, Qtz veinlets 3-5% seen throughout often parallel to foliation. - massive to mildly foliated, with intensified foliation over narrow widths, but less prevalent in silicified amygdular sub-units, and stronger in sericitic chloritic (weak to moderate alteration) sub-units - foliation at 50° to CA at 40.6m, 49m and 58m, lighter green. cherty bands (bleached) possibly silicified pillow selvages, these selvages and areas associated with them often have 5-10% grey qtz. eyes. - tr-1% po, tr cpy, fn (<1mm) diss. and in diss. pods (<3cm wide) often associated with CaCO₃, -Qtz amygdules and veins or within amygdules. 					

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

REID	NIS	CORE SIZE
PROPERTY	DISTRICT	CONTRACTOR
COMMENCED	TWP /LAT LONG	DATE LOGGED
COMPLETED	CLAIM	LOGGED BY
OBJECTIVE	CO-ORDINATES	DDH COMMENTS

SURVEY DEPTH DIP AZIMUTH Hole No. R-90-1 2 of 4

COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size texture, minerals alteration etc)	SAMPLE			ASSAYS				
FROM	TO	ROD			SAMPLE No	FROM	TO	TOTAL	% SUL	Au g/t Au oz/t		
78.03	88.23	85%	Foliated Carbonated Pillowed Andesite	- light green grey, fn. grained - v. strongly carbonated in both matrix and veining and local amygdules (<1cm, ave 3mm, 2%) elongated 2:1 to foliation (locally 10%) - Qtz - CaCO ₃ - Silicified cherty pillow selvages?, with minute (<1mm) qtz eyes and po within them. - pillow selvages often display brecciation, as well as the pillow interior. - several blocky zones, 85.09-85.86m, 86.15-86.37m, and 87.88-88.23m - CaCO ₃ veinlets at many angles (<5mm, 5%) but most commonly parallel to foliation, with local boudinaged sections of coarse grains - foliation moderately developed at 30° to CA at 79m, 50° to CA at 84m, 50° to CA at 88m - tr po, tr cpy, fn. diss in bands and in amygdules as pods of fn. gr. po.	8151	86.37	88.23	1.86	tr	nil	oz/t	*Whole rock analysis
88.23	90.85	90%	Amygdular interbanded andesite and graphitic tuff carbonated	- grey green light, fn. grained - strongly foliated at 50° to CA with graphitic bands (millimetric) marking the foliation in the andesite - v. strongly carbonated (CaCO ₃) throughout - Qtz-CaCO ₃ amygdules elongated 3:1 parallel to foliation varying in size 1mm-1cm, locally 10:1 - Qtz CaCO ₃ (grey) veinlets parallel to foliation two types of pyrite, cubic golden coloured coarse to med. grained pyrite (1mm-5mm) and v. fn. grained browner pyrite in bands with graphitic tuff bands, 2% pyrite total. - 90.66-90.85m pitted with pyrite and CaCO ₃ , pitted out of rock.	8152	88.23	89.30	1.07	1-2%py	nil		
					8153	89.30	90.85	1.55	1-2%py	nil		
90.85	96.56	90%	Intercalated graphitic tuff and graphitic feldspathic (CaCO ₃) tuff	- dk. grey to black, fn. grained _ broken down into the interbedded sub units 90.85-91.14, 91.90-92.05, 93.49-95.72, 95.98-96.56 black graphitic tuff with coarse nodular pyrite - black, fn. grained	8154	90.85	92.05	1.2	3-5%py	0.04	0.001	
					8155	92.05	93.46	1.41	3-5%py	0.03	0.001	
					8156	93.46	95.0	1.54	5% py	0.04	0.001	
					8157	95.0	96.56	1.56	5-6%py	0.05	0.001	

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CORE SIZE
COMMENCED		DISTRICT	CONTRACTOR
COMPLETED		TWP /LAT LONG	DATE LOGGED
OBJECTIVE		CLAIM	LOGGED BY
		CO-ORDINATES	DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-1	3 of 4
			COLLAR AZIMUTH		
			COLLAR DIP		
			ELEVATION		
			LENGTH		

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION <small>(GEOLOGY (colour, grain size, texture, minerals, alteration etc))</small>	SAMPLE No	SAMPLE			ASSAYS
FROM	TO	ROD				FROM	TO	TOTAL	
96.56	99.0	98%	Carbonated brecciated silicic mudstone	<ul style="list-style-type: none"> -v. strong CaCO₃, veinlet presence (5%) and tension gash veinlets, CaCO₃, vein 93.54-93.74, often parallel to foliation * -96.32-96.56 graphitic fault gauge -5% botryoidal (nodular) pyrite, with growth rings round to oval in shape, often with tension fractures and brecciation in CaCO₃, veins and CaCO₃, halos around them, (5mm-4cm in length) locally elongated to foliation. 91.14-91.90, 92.05-93.46, 95.72-95.98 graphitic - feldspathic (CaCO₃) tuff. -fn. grained med grained, grey in colour. -granular, sand like texture -strong CaCO₃, tension gash veins usually perpendicular to foliation direction, millimetric and often associated with fn. grained pyrite -foliation at 58° to CA at 90.85m, 55° to CA at 95.72m. -v. fn. grained pyrite, finely diss. 4% cubic (<1mm, max 2mm), v. little botryoidal pyrite, fn. pyrite often in bands as well as diss. with total 5% fn. diss and coarse nodular pyrite. -beige, fn. to v. fn. grained starts very hard, strongly silicic with intense CaCO₃, veining and moderate brecciation and graphitic bands, becomes progressively softer and has increased CaCO₃, alteration. -brecciation of mudstone strong with centimetric fragments with movement and elongation parallel to foliation with graphite and CaCO₃, filling in brecciation voids, first graphite then CaCO₃. -Strong tension gash CaCO₃, veining at 115° to CA cutting foliation, pygmatically folded, CaCO₃, veinlets. -foliation strong at 50° to CA -mild sericite alteration of silica-mudstone fragments fn. to med. grained euhedral to anhedral pyrite up to 5mm (2%) 	8158	96.56	97.60	1.04	2-3%py nil
					8159	97.60	99.0	1.40	2-3%py nil

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

SURVEY DEPTH: _____
DIP: _____ AZIMUTH: _____
Hole No. R-90-1 4 of 4
COLLAR AZIMUTH: _____
COLLAR DIP: _____
ELEVATION: _____
LENGTH: _____

PROPERTY: REID
DISTRICT: _____
COMMENCED: _____
COMPLETED: _____
OBJECTIVE: _____
NTS: _____
CONTRACTOR: _____
TWP /LAT LONG: _____
CLAIM: _____
COORDINATES: _____
CORE SIZE: _____
DATE LOGGED: _____
LOGGED BY: _____
DDH COMMENTS: _____

FOOTAGE		% REC	LITHO TYPE	DESCRIPTION	SAMPLE		ASSAYS		
FROM	TO	ROD		GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	FROM	TO	% SUL Au g/t	
99.0	121.46	99%	Chlorite sericitic amygdular qtz. eye int. volcanic	<ul style="list-style-type: none"> - yellow-green (light) fn. grained - strong sericitic chlorite alteration, v. soft - strongly carbonated with 10-15% qtz CaCO₃, veinlets, parallel and crosscutting foliation and tensional expansional veinlets. - 5% Qtz-CaCO₃, amygdules, milk white, elongated to foliation 5:1-10:1 (5mm-25mm) - 15-25% qtz CaCO₃, in total with veinlets, bands and amygdules. - strong foliation, millimetric to centimetric banding, often showing compositional banding (CaCO₃/Chl./Ser) - foliation at 60° to CA at 102.41m and 108.51m at 62° to CA at 111.52m, and at 63° to CA at 120.70m - bands of fn. pyrite, cubic (<2mm) 1% 	8160	99	100.50	1.5	1%py nil
121.46	129.85	99%	Feldspathic qtz clastic int. tuff (lithic)	<ul style="list-style-type: none"> - light green grey, fn. grained - feldspar and qtz clasts (euhedral to shard like, < 2mm, ave. (mm, all different shapes, well sorted, 5-6%, matrix supported) - sometimes feldspar phenocrysts or clasts are fragmented and brecciated. - CaCO₃, veinlets with altered bleached halos at angles of 20, 30°, and 70° to CA and some parallel to foliation also tensional gash veinlets between (normal to) slightly larger veinlets parallel to foliation. - massive to v. weakly foliated, ie 42° to CA at 124.50m, and 55° to CA at 122m. - tr. pyrite as euhedral cubes (<5mm) seen altered by CaCO₃, (pitted) 					
129.85			E.O.H.						

Dave Christie

DIAMOND DRILL LOG

GRAPHIC LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

NIS 42-A-14
CORE SIZE BQ
PROPERTY REID
DISTRICT Porcupine
CONTRACTOR Dominik Drilling
COMMENCED Aug. 18/90
TWP /LAT LONG Mahaffy Twp.
DATE LOGGED August 26/90
COMPLETED Aug. 21/90
CLAIM 1029704
LOGGED BY D.W. Christie
OBJECTIVE HLEM Conductor I
and Sturgeon Falls Fault
CO-ORDINATES L1400E 4165N
DDH COMMENTS water to south
300 metres

SURVEY DEPTH 30.5m
DIP 54°
AZIMUTH
Hole No. R-90-2 1 OF 6
COLLAR AZIMUTH 180°
COLLAR DIP -55°
ELEVATION
LENGTH 111.56 metres

METRES FROM	TO	% REC ROD	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size texture, minerals, alteration etc.)	SAMPLE				ASSAYS (ppm)					
					SAMPLE No	FROM	TO	TOTAL	% SUL	Au g/t	Cu	Pb	Zn	
0	48.25		Overburden	0-47.31m sand and clay and boulders 47.31-47.55m grind 0.24 metres of boulders 47.55-48.25m. cored boulders of diabase, basalt and andesite casing removed										
48.25	66.23	60%	Chloritic blocky andesite (basalt)	-dk. green, fn. grained-med grained -v. blocky, poor recovery with decimetric to centimetric fragments -salt and pepper texture locally; chl-amph.plag. -pitted due to ground water circulation and weathering out of amphiboles and CaCO ₃ -moderate to strong chlorite alteration, and moderate to weak CaCO ₃ alteration -local CaCO ₃ , -qtz veining, mostly parallel to foliation, up to 3cm wide. -foliation moderately developed at 34° to CA at 55.0m, 45° to CA at 60m -tr py in CaCO ₃ veins and fractures. -light to dk. green										
66.23	71.70	85%	carbonated (CaCO ₃) andesite (basalt)	-fn. to med. grained (<2mm) -locally porphyritic with plagioclase feldspar <2mm (white) -CaCO ₃ in matrix - strong, CaCO ₃ also in veinlets and pods -5-6% CaCO ₃ veinlets, parallel to foliation and crosscutting at irregular angles -local amygdules of CaCO ₃ , (ie 68.30-68.89m) often pitted or weathered out. -progressive silica-sericite alteration down hole, with a gradual contact and increase in foliation intensity. -tr-1% diss. cubic fn. pyrite -becomes v. fissile at unit end (poker chips) -foliation at 70.0m at 50° to CA 69.90-70.56 metres strongly foliated, v. strongly carbonated mafic volcanic (andesite) -bleached appearance, due to CaCO ₃ alteration	8161	69.58	71.08	1.5	2%py	nil	49	14	106	

* SAMPLE 8161 - whole rock chemical analysis

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION


PROPERTY	REID	NTS	CORE SIZE
COMMENCED		DISTRICT	CONTRACTOR
COMPLETED		TWP /LAT LONG	DATE LOGGED
OBJECTIVE		CLAIM	LOGGED BY
		CO ORDINATES	DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-2	2 of 6
			COLLAR AZIMUTH		
			COLLAR DIP		
			ELEVATION		
			LENGTH		

FOOTAGE FROM TO	% REC ROD	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE			ASSAYS						
				SAMPLE No	FROM	TO	TOTAL	% SUL	Au g/t	Au oz/t	Cu	Po	Zn (ppm)
71.7	75.11	99%	sericitized carbonated (CaCO ₃) rhyolitic fragmental to lapilli tuff -CaCO ₃ , amygdules -2% py, 1% po, (fn. grained) overgrowths on py, cubic (<3mm) -foliation at 45° to CA. -yellow smoky, grey colour, fn. grained matrix and clast interior. -clasts are milky white rhyolitic composition with elongation to foliation (3,4:1), and clast supported, clasts <3cm, ave. 2cm long, 1/2cm wide -round to sub angular clasts -sericite alteration of fragments along foliation and grain boundaries (yellow sericite) -CaCO ₃ , alteration of fragment interiors -minor qtz - CaCO ₃ , veining parallel to foliation and cross cutting at many irregular angles. -foliation well developed at 55° to CA at 73.5 metres -1% po, 1% py, fn. diss. in thin bands, parallel to foliation but discontinuous (<1cm long).										
75.11	77.80	90%	laminated intermediate tuff -light green and smoky grey, fn. grained -minor coarse fragments of rhyolitic material. -compositional banding of strongly chloritic-sericitic material (green) and white and grey feldspar-qtz bands millimetric to centimetric. -weakly carbonated, locally local qtz. eyes with CaCO ₃ , alteration on rims and fractures (<2mm, ave <1mm) <1% -local CaCO ₃ , veinlets parallel to foliation -foliation at 45° to CA at 76.50m -2% fn. diss. py in v. thin mm bands, parallel to foliation and in dendritic patterns										
77.80	82.04	90%	foliated carbonated chloritic porphyritic mafic tuff -dark green, fn. grained -fn. gr. except 25% sericitized feldspar porphyries (<2mm, ave. <1mm) subhedral to euhedral -strong CaCO ₃ , and chlorite banded alteration. -strong foliation giving chloritic/CaCO ₃ banding at 45° to	8162	81.35	83.0	1.65	tr sph 2% py	0.03	0.001	28	11	77
				** Sample 8162 - Whole rock chemical analysis									

GRAPHIC
LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINES
LIMITEDLITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

SURVEY DEPTH DIP AZIMUTH Hole No. R-90-2 3 of 6

PROPERTY	REID	NIS	CONE SIZE	CONTRACTOR	COLLAR AZIMUTH
COMMENCED		DISTRICT	DATE LOGGED		COLLAR DIP
COMPLETED		TWP /LAT LONG	LOGGED BY		ELEVATION
OBJECTIVE		CLAIM	DDH COMMENTS		LENGTH
		CO-ORDINATES			

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE				ASSAYS		
FROM	TO	ROD			SAMPLE No	FROM	TO	TOTAL	% SUL	Au g/t	Au oz/t
82.04	82.22	99%	foliated int-mafic volcanic tuff	CA at 81.08m -CaCO ₃ , veinlets at many different angles, also as crackle brecciation. -78.03-78.83 strongly broken up into mm-cm fragments -tr pyrite, cubic diss. (<3mm) -grey green, fn. grained -chloritic, strongly carbonated (CaCO ₃) -cherty bands interbedded with int-mafic chloritized carbonated (CaCO ₃) bands -tr. pyrite							
82.22	82.70	99%	bleached rhyolitic tuff	-grey yellow, cherty very fn. grained appearance -grey smoky band on upper section contact -very sharp contacts -moderately well developed foliation at 40° to CA often marked by sericite alteration -some local CaCO ₃ alteration							
82.70	89.05	99%	int-mafic lithic tuff	-1-2% fn. diss. pyrite along foliation and fractures -dk. green to dk. green grey, fn. to v. fn. gr. -at 85.44 becomes greyer as more carbonaceous (graphitic) material mixes with tuffaceous material, also increase in carbonate (CaCO ₃) due to CaCO ₃ (calcite) veining intensity increase to 5% from 2% -qtz shards round to v. angular seen disseminated and in concentrated bands. -qtz-CaCO ₃ , amygdules 1-2% (<5mm) round to slightly elongate to foliation (1:2) -qtz-CaCO ₃ , veining parallel to foliation and at 135° to CA and ptygmatically folded qtz CaCO ₃ , and 3mm wide veins at 0° to CA -minor sub units of rock similar to 77.80-82.04m (<10cm) -epidote alteration in silicified zone 85.79-86.0m -foliation moderately strong at 40° to CA at 85.44m and at 40° to CA at 89m	8163	88.30	89.83	1.53	tr-1%py	0.01	0.001

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY REID
COMMENCED
COMPLETED
OBJECTIVE

NTS
DISTRICT
TWP /LAT LONG
CLAIM
CO-ORDINATES

CORE SIZE
CONTRACTOR
DATE LOGGED
LOGGED BY
DDI COMMENTS

SURVEY DEPTH
DIP AZIMUTH
Hole No. R-90-2 4 of 6
COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE			% SUL	ASSAYS (ppm)				
FROM	TO	ROD				FROM	TO	TOTAL		Au g/t	Au oz/t	Cu	Pb	Zn
89.05	89.83	95%	Intermediate tuff with thin interbedded bands of argillitic tuff	- tr-1% pyrite in qtz CaCO ₃ , veoms and disseminated fn.-med. grained (<3mm) and as smears on foliation planes. - green grey, fn. grained with coarse smokey grey qtz clasts possibly from rhyolitic fragmental found above (younging south?) with CaCO ₃ , alteration on rims and fractures. - Clasts are round to oval with elongation to foliation 2:1 - 3:1 and up to 2cm in diameter - pitting of weathered out clasts - augen textures around qtz clasts, especially those which show no elongation. - becomes v. fissile, with graphite on foliation planes - foliation at 45° to CA										
89.83	90.91	95%	Massive to semi-massive botryoidal pyrite with graphitic infilling	- 1% pyrite as med. grained cubes (<5mm) - botryoidal (nodular) pyrite with elongation to foliation up to 3:1 - nodules 1mm-3cm, ave. 2cm, nodules annealed together with 5-6% carbonaceous (graphite - CaCO ₃) overgrowth of fine euhedral pyrite also seen in fractures - broken up over short lengths, blocky - foliation poorly developed at 40° to CA.	8164	89.83	90.91	1.08	90%py	0.36	0.011	129	303	187
90.91	91.67	80%	graphitic tuff with nodular pyrite	- black, v. fn. grained - massive graphite with minor banding of qtz CaCO ₃ , (also fn. diss. pyrite in these sections) - nodular pyrite also has qtz CaCO ₃ , associated with them. - strong CaCO ₃ , - pyrite nodules elongated 3:1 with foliation (3% pyrite) foliation at 45° to CA., with graphite shear surfaces on foliation planes. - blocky	8165	90.91	91.67	0.76	3%py	0.02	0.001			
91.67	95.31	95%	graphitic argillite	- grey to black, v. fn. grained - finely laminated with compositional banding of graphitic, siliceous, chloritic, sericitic, and qtz-carbonate (CaCO ₃)	8166	91.67	92.67	1.0	1-2%py Nil					
					8167	92.67	93.46	0.79	tr-1%py nil					
					8168	93.46	95.31	1.85	2% py nil					

**8169 95.31-96.8 m. - whole rock chemical analysis

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CONF SIZE
COMMENCED		DISTRICT	CONTRACTOR
COMPLETED		TWP /LAT LONG	DATE LOGGED
OBJECTIVE		CLAIM	LOGGED BY
		CO-ORDINATES	DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH	Hole No. R-90-2	5 of 6
			COLLAR AZIMUTH	
			COLLAR DIP	
			ELEVATION	
			LENGTH	

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION	SAMPLE	ASSAYS			
FROM	TO	ROD				SAMPLE No	FROM	TO	TOTAL
95.31	107.85	99%	Brecciated carbonated siliceous mudstone	<ul style="list-style-type: none"> - compositions (CaCO₃, altering qtz) - locally carbonated strongly (CaCO₃) - brecciation increases near L. contact as mudstone begins to mix with fn. seds, showing fn. sed. textures (ie slumping) - strongly foliated at 50°-60° to C.A. - 1-2% pyrite diss. cubes (<2mm) also nodules in more graphitic sections 92.84-93.46 metres rhyolitic sericitic tuff - grey to yellow, v. fn. grained - sericitic alteration on foliation planes and as thin (mm) bands - smoky grey unaltered sections - tr. py, fn. gr. diss. - grey beige colour, vn. fn. grained - fine sediment slump brecciation with qtz CaCO₃, breccia infilling and carbonaceous (graphitic) and brecciated mudstone infilling - fragmentation < 10cm ave. 5cm, with brecciated infill banding up to 3cm wide - some crackle qtz veining - weak foliation at 103 metres at 40° T.C.A. seen in brecciated infill bands, not in fragments although fragments are elongate to foliation - tr. euhedral cubic pyrite (<3mm) 					
107.85	109.05	99%	Intermediate ash tuff	<ul style="list-style-type: none"> - beige grey - fn. grained (<1mm) - equigranular, massive, v. poor foliation - qtz CaCO₃, veining, throughout 3% - amphibole, feldspar, qtz and CaCO₃, makeup - weak foliation at 50° to C.A. - at end of unit foliation has graphitic smears - no V.S. 					

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINE & MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

SURVEY DEPTH DIP AZIMUTH Hole No. R-90-2 6 of
COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH

PROPERTY REID NTS CORE SIZE
COMPLETED DISTRICT CONTRACTOR
OBJECTIVE TWP /LAT LONG DATE LOGGED
CLAIM LOGGED BY
CO-ORDINATES DDH COMMENTS

FOOTAGE			% REC	LITHOTYPE	DESCRIPTION <small>GEOLOGY (colour, grain size, texture, minerals alteration etc.)</small>	SAMPLE				ASSAYS
FROM	TO	ROD				SAMPLE No	FROM	TO	TOTAL	
109.05	111.56	998		fine carbonated sediments (CaCO ₃)	-grey green to black and beige, fn. grained, interbedded argillite, mudstone and other fine sediments and felsic tuffaceous sediments -well foliated and strongly carbonated -strong laminated character -sericite alteration in mudstone and felsic tuffs is moderate -CaCO ₃ veinlets and pods 2-3% -foliation at 55° to CA at 109.60 m, and 50° to CA at 111.56 m -graphitic smears on foliation planes -1% pyrite as diss. cubes (<3mm) and fn. grained pods (<3mm) -tr po in CaCO ₃ pods					
111.56				E.O.H.						



GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINES LIMITEDLITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Reid
 COMMENCED Aug 25, 1990
 COMPLETED Aug 27, 1990
 OBJECTIVE As - Au zone
 (80-0.6) and HLLH "A"

NTS 12-A-14
 DISTRICT Porcupine
 TWP./LAT. LONG Reid Twp.
 CLAIM 95-140
 CO-ORDINATES 2400E 200S

CORE SIZE BQ
 CONTRACTOR Dominik
 DATE LOGGED Aug 29, 1990
 LOGGED BY D.W. Christie
 DDH COMMENTS water 200m to S.E.

SURVEY DEPTH	DIP	AZIMUTH


Hole No. R-90-3 p2 16
 COLLAR AZIMUTH 212°
 COLLAR DIP -56°
 ELEVATION
 LENGTH 376.34 metres

FOOTAGE		% REC	LITHOLOGY	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE				ASSAYS					
FROM	TO					FROM	TO	TOTAL	% SUL						
0	42.68		Overburden	- casing removed.											
42.68	42.81	99%	Coarse mafic-chloritic flow	- dk green, C. grained amphib. altered to chl. - mildly magnetic, fr. pyrite, moderate chlorite alteration, sharp contact, possibly a boulder lying flush with and below. Intersected this rock than into rock type below in second piece of core.											
42.81	65.46	99%	Lapilli-Ash Rhyolitic Tuff silicified	- yellow dk.-mod. grey colour, f.n. grained matrix with lapilli sized clasts < 2mm up to 64mm, also rare bombs (> 64mm). - 60-80% clasts (fragments), angular to subrounded, poorly sorted, locally clast supported, majority being matrix supported. - clasts are of rhyolitic composition (creamy white colour) ± qtz eyes (< 2mm) of grey smoky qtz, also minor cherty grey clasts, majority being rhyolitic - silicified matrix - moderate elongation of clasts to foliation (3:1), with some clasts showing pronounced foliation parallel to elongation direction, while other clasts	8287	42.87	44.80	1.61	tr py	Ni	0.1	6	12	135	
					8290	44.80	46	1.50	tr py	Ni	0.1	9	7	112	
					8291	46	47.50	1.50	tr py	Ni	0.1	8	7	140	
					8292	47.50	49	1.50	tr py	Ni	0.1	7	15	165	
					8293	49	50.50	1.5	tr py	0.02 Ni	0.1	7	6	129	
					8294	50.50	52	1.5	tr py	Ni	0.1	6	8	95	
					8295	52	53.50	1.5	tr py	Ni	0.1	8	10	98	
					8296	53.50	55	1.5	tr py	Ni	0.1	7	6	117	
					8297	55	56.50	1.5	tr py	Ni	0.1	7	9	156	
					8298	56.50	58	1.5	tr py	Ni	0.1	7	6	143	
					8299	58	59.50	1.5	tr py	Ni	0.2	5	10	124	
					8300	59.50	61	1.5	tr py	Ni	0.1	6	9	155	
					8301	61	62.50	1.5	tr py	Ni	0.1	5	8	85	

** = Whole rock chemical analysis performed.

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINES LIMITED

PROPERTY Reid
 COMMENCED
 COMPLETED
 OBJECTIVE

NTS
 DISTRICT
 TWP. /LAT. LONG.
 CLAIM
 CO-ORDINATES

CORE SIZE
 CONTRACTOR
 DATE LOGGED
 LOGGED BY D.W. Christie
 DDH COMMENTS

SURVEY DEPTH
 DIP
 AZIMUTH

Hole No. R-90-3 pg 3 of 1
 COLLAR AZIMUTH 212°
 COLLAR DIP -56°
 ELEVATION
 LENGTH 346.34 metres

FOOTAGE		% REC	LITHO TYPE	DESCRIPTION	SAMPLE No	SAMPLE				ASSAYS				
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Au/g	Pg	Zn (ppb)	Pb	Zn
				foliation of a previous deformation episode.	8302	62.50	64	1.5	tr-12pp	0.01	0.1	7	9	22
				- weak sericite alteration halos around rocks	8303	64	65.46	1.46	tr-12pp	Nil	0.1	8	7	186
				- rusty staining in matrix of some sections										
				- feldspar porphyries, euhedral-anhedral (3-5%)										
				- tr. py., tr. po., finely diss. and in places (clen)										
				- foliation at 40° to 41° at 59m, 40° to 41° at 54.15m										
				50° to 41° at 62.79m, 35° to 41° at 65.46m										
				- fawn biotite (< 3cm) overlaid 4.5m										
65.46	69.10	99%	sericitized carbonated (K ₂ O) phyllitic porphyritic schist (fault zone)	- green yellow, fn. grained matrix - clasts 1mm - 3cm (ave 5mm), majority matrix supported, locally clast supported with elongation of clasts up to 10:1 (ave 5:1) - Grey Qtz - CaCO ₃ veins (< 1cm) parallel to foliation, 10%; CaCO ₃ alteration Qtz - White Qtz - CaCO ₃ veins crosscutting foliation - gradual contacts, increased sericite alteration towards the fault gouge at 68.65-68.68m also clasts show stronger chlorite in proximity to the fault gouge. - U. strong sericite alteration, contact zones are silicified, clasts are sericitized - Koolimized (white) - well foliated at 35° to 41°	8170	65.46	67	1.54	tr-12pp tr-12pp tr-12pp	0.02	0.1	12	17	129
					8171	67	68.50	1.5	tr-12pp tr-12pp	0.03	0.1	20	16	185
					8172	68.50	67.90	1.7	tr-12pp tr-12pp	0.03	0.1	8	22	127

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Reid
 COMMENCED _____
 COMPLETED _____
 OBJECTIVE _____

NTS _____
 DISTRICT _____
 TWP./LAT. LONG _____
 CLAIM _____
 CO-ORDINATES _____

CORE SIZE _____
 CONTRACTOR _____
 DATE LOGGED _____
 LOGGED BY D.W. Christie
 DDH COMMENTS _____

SURVEY DEPTH	DIP	AZIMUTH

Hole No. R-901-3 p. 4 of 16
 COLLAR AZIMUTH _____
 COLLAR DIP _____
 ELEVATION _____
 LENGTH 346.34 metres

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc)	SAMPLE				ASSAYS						
FROM	TO	AGE			SAMPLE No	FROM	TO	TOTAL	% SUL	Avg/ε	A _g	Ca	Fe	Zn	Ni
				- 1% po, 1% py in Qtz. - CaO ₃ veins and finely dis. - Qtz. eyes (± 2%) grey (2mm) seen through all.											
69.90	98.74	99%	lapilli-bomb rhyolitic fragmented (tuff)	- dk grey, fn. - med. grained matrix - strongly silicified throughout ** - v. similar to Ad. 90 - 65.46m except more bomb sized fragments/clasts - ash tuff, and lithic tuff sections ** with 10% Qtz. shards, over 1 metre - clasts of rhyolite (cherty 'creamy' white) with or without Qtz. eyes, often have grey Qtz. inner rims (cherty halos) often with po, py associated.	8173	69.90	71.40	1.5	1% po	0.01	0.2	14	14	133	51
					8174	71.40	70.90	1.5	11-12% po 1% py	Nil	0.1	11	10	93	65
					8175	71.90	74.40	1.5	1-2% po 1% py, 1% ch	Nil	0.1	22	4	130	56
					8304	74.90	75.70	1.3	1% po 1% py	Nil	0.1	9	6	104	
					8305	75.70	77	1.3	1% po	Nil	0.1	11	5	107	
					8306	77	78.50	1.5	1% po 1% py	Nil	0.1	12	5	98	
					8307	78.50	80	1.5	1% po 1% py	Nil	0.2	13		102	
					8308	80	81.50	1.5	1% po	Nil	0.1	12	5	109	
					8309	81.50	83	1.5	1% po 1% py	Nil	0.1	13	7	105	
					8310	83	84.50	1.5	1% po 1% py	Nil	0.1	10	7	102	
					8311	84.50	86	1.5	1% po 1% py	Nil	0.5	10	5	127	
					8312	86	87.50	1.5	11-12% po	Nil	0.2	14	8	143	
					8313	87.50	89	1.5	1-2% po	Nil	0.1	16	5	84	
					8314	89	90.50	1.5	1% po 1% py	Nil	0.1	13	7	76	
					8315	90.50	92	1.5	1% po	Nil	0.1	11	6	83	
					8316	92	93.50	1.5	1% po	Nil	0.1	8	5	71	
					8317	93.50	95.06	1.56	2% po 1% py	Nil	0.1	14	6	95	
					8176	95.06	96.50	1.44	1% po 1% py	Nil	0.1	25	8	147	74
					8177	96.50	97.55	1.05	1% po 1% py	Nil	0.1	18	4	104	37

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE MINING LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Reid
COMMENCED _____
COMPLETED _____
OBJECTIVE _____

NTS _____
DISTRICT _____
TWP / LAT. LONG _____
CLAIM _____
CO-ORDINATES _____

CORE SIZE _____
CONTRACTOR _____
DATE LOGGED _____
LOGGED BY D.W. Christie
DDH COMMENTS _____

SURVEY DEPTH	DIP	AZIMUTH
✓		

Hole No. R-90-3 py 5/1
COLLAR AZIMUTH _____
COLLAR DIP _____
ELEVATION _____
LENGTH 346.34 metres

FOOTAGE		% REC ADD	LITHOLOGY	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE			% SUL	ASSAYS (ppm)				
FROM	TO					FROM	TO	TOTAL		As	Ag	Cu	Pb	Zn
				po. pods - At 69.90 to 90. pod of pyroxite. - weak to moderately developed foliation, as blast elongation (2:1 - 10:1) when present (blasts angular to weakly rounded) - foliation at 30° to CA at 7.5m, 85° to CA at 8.5m, 40° to CA at 90.5m.	8178	97.55	98.74	1.19	127.00	Nil	0.1	18	3	129
98.74	101.70	99%	Carbonated silicified (bleached) Pillow Andesite	- light grey green; fm. grained. - mottled dark/light bleaching, no myristal intensity. - Strong CaCO ₃ alteration introduces tectonic breccia bands (<4cm wide), amygdules (1-2%) and as CaCO ₃ blades radiating crystal growth. overall 15% CaCO ₃ alteration. - otherwise rock is v. hard with strong qtz content (silicification often to CaCO ₃ alteration) - bleaching - tectonic breccia lenses with CaCO ₃ rock flour matrix, matrix supported (20%) and as SiO ₂ rock flour in bleached areas and in pillow sections; fractures usually parallel to weak silification. - white CaCO ₃ vesicles and grey qtz. Uciakts of mag	8179	98.74	100	1.26	127.00	Nil	0.1	45	1	219
					8180	100	101.50	1.5	127.00	Nil	0.1	59	2	225
					8181	101.50	103.21	1.71	127.00	Nil	0.1	83	2	194

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINES LIMITEDLITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Raid
 COMMENCED _____
 COMPLETED _____
 OBJECTIVE _____

NTS _____
 DISTRICT _____
 TWP./LAT LONG _____
 CLAIM _____
 CO-ORDINATES _____

CORE SIZE _____
 CONTRACTOR _____
 DATE LOGGED _____
 LOGGED BY _____
 DDH COMMENTS _____

SURVEY DEPTH	DIP	AZIMUTH

Hole No. R-90-3, py. 6 of 16
 COLLAR AZIMUTH _____
 COLLAR DIP _____
 ELEVATION _____
 LENGTH 346.34 metres

FOOTAGE		% REC	LITHOLOGY	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE			ASSAYS					
FROM	TO	REC				FROM	TO	TOTAL	% SUL					
				<p>angles, near 135m, many Qtz-CaO₃ veins parallel to CA - Strongest bleaching in clayey areas - often vesicular and pillow selvages, not in them but adjacent to them (ie 135.70m) vesicles 3mm round white. - only pillow remnants, not possible to get up direction. - tr-1% po. in CaO₃ breccias and veinlets, also green chl. alteration in these areas - upper contact in 103.01 shows good foliation 1-2% po. in CaO₃ veinlets parallel to foliation in diss. and coarse pods (4cm), also contact zone shows strong green chl. alteration and sericite. - foliation at 99.3m at 30° T.C.A., and at 30° T.C.A. at 103m, remainder of und. steps near foliation seen by weak chl. ser. - CaO₃ veins at 45° T.C.A. at 107m, 35° T.C.A. at 161m. - increase in CaO₃ amygdalae (4cm) in last 10m, also increase in percent of bands of vesicles. - 137.13 - 137.85 metres white Qtz. vein with CaO₃ alteration and chl.-sericite alteration with foliation at 5° to 10° E.A. adjacent to vein. - tr py, tr po in wall rock.</p>										

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Road

COMMENCED _____

COMPLETED _____

OBJECTIVE _____

NTS _____

DISTRICT _____

TWP. /LAT LONG _____

CLAIM _____

CO-ORDINATES _____

CORE SIZE _____

CONTRACTOR _____

DATE LOGGED _____

LOGGED BY D. W. Christie

DDH COMMENTS _____

SURVEY DEPTH	DIP	AZIMUTH

Hole No. R-90-3 pg 7 of 16

COLLAR AZIMUTH _____

COLLAR DIP _____

ELEVATION _____

LENGTH 346.34 meters

FOOTAGE		% REC	LITHOLOGY	DESCRIPTION	SAMPLE No	SAMPLE			ASSAYS					
FROM	TO	AGB				FROM	TO	TOTAL	% SUL					
161.40	172.9	99%	Carb. - chl. Matrix Volcanic Breccia (Hyaloclastite)	- dk green. - angular - sub. rounded centimetric (2-3 cm) fragments of andesite in a green chloritic matrix, matrix supported but locally fragment supported. - very st. singly carbonated (CaCO ₃), both matrix fragments - fragments show elongation to foliation (2:1-3:1) with foliation at 27° to 30° to C.A. - Qtz - CaCO ₃ vein (3/4 cm) at 160° to C.A. - no V.S.										
162.92	175.91	99%	Amygduloid Carbonated Andesite	- dk green, silicified carb matrix, fr. gr. - 3-5% CaCO ₃ , CaCO ₃ -Qtz and green chlorite amygdulose with 2:1 elongation parallel to weak foliation of some amygdulose, chloritic + CaCO ₃ in composition - random CaCO ₃ veinlets - bleached bands locally (<1cm), weak epidote alteration of Qtz - CaCO ₃ veins - bleached holes around veins - weak foliation at 30° to C.A. at 167m, 33° to C.A. at 173m - Qtz and Qtz - CaCO ₃ amygdulose for first 34 of unit with chl (<3mm) coming in last 1 m. Smaller but more numerous, fr. po.										

GRAPHIC LOG

LITHOLOGY

STRUCTURE

MINERALIZATION ALTERATION

DIAMOND DRILL LOG

AGNICO-EAGLE MINES LIMITED

PROPERTY Reed
 COMMENCED _____
 COMPLETED _____
 OBJECTIVE _____

NTS _____
 DISTRICT _____
 TWP. /LAT LONG _____
 CLAIM _____
 CO-ORDINATES _____

CORE SIZE _____
 CONTRACTOR _____
 DATE LOGGED _____
 LOGGED BY D.W. Christie
 DDH COMMENTS _____

SURVEY DEPTH _____
 DIP _____
 AZIMUTH _____

Hole No. R-91-3 A.S. 16
 COLLAR AZIMUTH _____
 COLLAR DIP _____
 ELEVATION _____
 LENGTH 346.37 metres

FOOTAGE		% REC	LITHO TYPE	DESCRIPTION	SAMPLE				ASSAYS (ppm)					
FROM	TO	ROD		GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	FROM	TO	TOTAL	% SUL	Ni	Ag	Cu	Pb	Zn
175.91	214	45%	Altered Mafic Volcanics and Qtz-Calc veining	- grey-green, light to dark - alteration includes sericite, chlorite (both black and green), silica, and Calc with varying intrusives of each - White to mildly grey qtz. Veining makes up 20-25% of rock, qtz veining always has Calc within it, sometimes with chl.-ser. altered volcanics as wisps and rods within it. - highest degree of qtz-Calc veining and sil-ser alteration lies in two areas: 191.05-195.40m and 205.47-214m (which is the most spectacular) - many smaller Calc veins and veinlets (8%) often parallel to foliation. - In the two highly altered areas the rock has a compositionally banded appearance, with buff colored (sericite) and dk green (chlorite) and gross green (chlorite) bands decimetric to centimetric, with these bands showing crenulations, and crenulation cleavage locally with foliation of the bands at 10° to CA, and crenulation cleavage at 35° in opposite direction, but not perpendicular over most bands.	8182	175.91	177.50	1.59	tr po	Nil	0.3	7	1	148
					8183	177.50	179.0	1.5	tr po	Nil	0.1	20	1	147
					8184	179	180.5	1.5	tr po	Nil	0.1	19	1	121
					8185	180.5	182.00	1.7	tr po	0.01	0.1	18	1	104
					8186	182.00	183.70	1.5	tr po	Nil	0.1	23	3	89
					8187	183.70	185.00	1.5	tr po	0.01	0.1	19	1	90
					8188	185.00	186.70	1.5	tr po	Nil	0.1	17	1	100
					8189	186.70	188.00	1.5	tr po	Nil	0.1	20	1	73
					8190	188.00	189.70	1.5	tr po	0.01	0.1	69	5	131
					8191	189.70	191.05	1.35	tr po	0.01	0.3	146	3	109
					8192	191.05	192.35	1.3	tr po	0.01	0.2	32	1	71
					8193	192.35	194	1.65	tr po	Nil	0.1	47	1	3
					8194	194	195.40	1.4	tr po	Nil	0.1	10	1	75
					8195	195.40	196.90	1.5	tr po	Nil	0.1	4	1	109
					8196	196.90	198.50	1.6	tr po	Nil	0.1	19	1	92
					8197	198.50	200	1.5	tr po	Nil	0.1	22	1	110
					8198	200	201.50	1.5	tr po	Nil	0.1	13	1	95
					8199	201.50	203	1.5	tr po	Nil	0.1	25	1	127
					8200	203	204.50	1.5	tr po	0.01	0.1	6	1	112
					8201	204.50	205.47	0.97	tr po	Nil	0.1	10	1	60
					8202	205.47	206.80	1.34	tr po	Nil	0.1	2	1	100
					8203	206.80	208.40	1.54	tr po	0.01	0.1	1	1	

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Pas
COMMENCED
COMPLETED
OBJECTIVE

NTS
DISTRICT
TWP. /LAT. LONG
CLAIM
CO-ORDINATES

CORE SIZE
CONTRACTOR
DATE LOGGED
LOGGED BY D. G. Christie
DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH

Hole No. R-713-3 p/ky/1
COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH 346.34 metres

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE				ASSAYS					
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Au/g	Ag	Cu (ppm)	Pb	Zn	N
214	235.5	99%	Amphibolitic Mafic Volcanic (Andesite)	<ul style="list-style-type: none"> - minor bands of bleached silicified rock (decantive) - foliation (can't do be 30° to CA at 184m, 30° to CA at 193.50m, 23° to CA at 101m, and 35° to CA at 208.70m) - grey green (light to dark), fine grained, strongly carbonated (CaCO₃). - amygdules 1mm - 2cm, avg 5mm, mostly CaCO₃, some chlorite and locally absent altogether. - 214 - 215.91 metres, tectonic breccia with silty talus, a fibration, fragmented supported, with locally matrix supported fragments, elongated parallel to foliation 3:1 - 5:1 (often more similar to 2:1) - foliation poorly to strongly developed at 214.40m. - silicified fractures often parallel to foliation with bleached talus. - centimetric brecciation bands with silicification and/or carbonatization. - 226.90 - 230.80 brecciated, amygdular and silty, with weak to moderate carbonatization (CaCO₃), elongated fragments with foliation at 30° to CA, minor CaCO₃ veins. - 1% to 4% talus in CaCO₃ veins and 0.5 fractures 5mm. 	8208	232.42	233.8	1.38	1.5% Pb 18% N	0.1	0.1	28	1	131	5
					8209	233.80	235.5	1.7	1% Pb 12% N	Nil	0.1	25	1	106	5

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATIONPROPERTY Reid
COMMENCED
COMPLETED
OBJECTIVENTS
DISTRICT
TWP./LAT. LONG.
CLAIM
CO-ORDINATESCORE SIZE
CONTRACTOR
DATE LOGGED
LOGGED BY D.W. Christie
DDH COMMENTSSURVEY DEPTH
DIP
AZIMUTHHole No. R-90-3py 11g
COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH 346.34 metres

FOOTAGE		% REC	LITHOLOGY	DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO	ROD		GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	FROM	TO	TOTAL	% SUL	Ag	As	Pb	Zn	
235.50	236.94	99%	banded altered Andesite	grey green, fn. grained - compositional banding of chloritic bands, silicified bleached bands, CaCO ₃ vein bands, and bleached cherty bands, centimetric to millimetric - bleached bands are clast supported with elongation to solution. - solution strong at 36° to CA. - many fractures with Qtz or Qtz-CaCO ₃ fillings - 1-1% po in fractures and CaCO ₃ veins - CaCO ₃ veins (<5 mm) at 110° to CA. - 136.27-236.94 m, Qtz-CaCO ₃ veins with 6-8% po, 1-2% py, 1-2% px.	8210	235.50	236.94	1.44	3% py 1% px	N.I.	0.1	41	2	215
236.94	248.20	99%	bleached altered pillowed Andesite	grey green beige, fn. grained. ** 236.94-243.45 metres, strongly silicified, weakly down ble. g. rock because of bleaching (pyrox.), pillow selvages with breccia in selvages, often with strong pyrox. mineralization, 5% diss. po & in pods (2mm) and (<3mm) also 1% py, in pods of 1-2% py, 1-2% px. Numerous scoriatic CaCO ₃ veinlets also with associated mineralization.	8211	236.94	238.50	1.56	4% py 2% px	0.01	0.1	89	2	172
					8212	238.50	240	1.5	5% py 2% px	0.01	0.1	90	1	183
					8213	240	241.50	1.5	4% py 2% px	N.I.	0.1	87	1	177
					8214	241.50	242.50	1.0	2% py	N.I.	0.1	103	1	111
					8215	242.50	243.45	0.95	2% py 1% px	0.01	0.1	107	1	118
					8216	243.45	245	1.55	1% py	0.02	0.1	85	1	79
					8217	245	246	1.0	1% py	N.I.	0.1	105	1	109
					8218	246	247.20	1.20	1% py	N.I.	0.1	117	19	136
					8219	247.20	248.20	1.0	1% py	0.02	0.1	92	2	138

DIAMOND DRILL LOG

GRAPHIC LOG
LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Roid
COMMENCED _____
COMPLETED _____
OBJECTIVE _____

NTS _____
DISTRICT _____
TWP /LAT LONG _____
CLAIM _____
CO-ORDINATES _____

CORE SIZE _____
CONTRACTOR _____
DATE LOGGED _____
LOGGED BY D.W. Christie
DDH COMMENTS _____

SURVEY DEPTH _____
DIP _____
AZIMUTH _____

Hole No. R-70-3 P-122
COLLAR AZIMUTH _____
COLLAR DIP _____
ELEVATION _____
LENGTH 346.34 metres

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE			% SUL	ASSAYS (ppm)								
FROM	TO	ROD				FROM	TO	TOTAL		Au	Ag	Cu	Pb	Zn				
				243.45 - 248.20 metres - slightly less silicification, more chloritized and 5% calc. veins and fractures filled - many fractures filled with calc. - possible remnant calc. amygdalae - calc. in matrix - 2% p, 1% py, 1% cp, m. pods & fracture fills often associated with calc. very little diss. sulphides														
				246.0 - 248.20 metres - silicified andesitic pillow breccia (green) - bands of brecciated pillowed subvolcanic and bands of massive andesite - 2% diss. p, 1% py, 1% cp - crystalline fragments - foliated at 40° to LA at 238 m, 24° to LA at 243.3 m, 30° to LA at 247 m														
248.20	256.28	99%	massive to brecciated andesite-breccia (carbonated)	- dk grey, fine grained - highly carbonated, medium veins, veinlets, fracture fills, 28% veins & fracture fills - dk grey colour possibly carbonaceous material intermixed with volcanic (also possibly brecciated - brecciated throughout with calc. infiltration in 18"	8220	248.20	249.70	1.5	1.2% p 2% py	Nil	0.1	69	3	178				
					8221	249.70	251.20	1.5	2% p 1% py	Nil	0.1	98	4	116				
					8222	251.20	252.70	1.5	2% p 1% py	Nil	0.1	82	4	129				
					8223	252.70	254.20	1.5	1% p 1% py	Nil	0.1	92	1	93				
					8224	254.2	256.28			Nil	0.1	76	7	101				

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Dvd
COMMENCED _____
COMPLETED _____
OBJECTIVE _____

NTS _____
DISTRICT _____
TWP./LAT LONG _____
CLAIM _____
CO-ORDINATES _____

CORE SIZE _____
CONTRACTOR _____
DATE LOGGED _____
LOGGED BY D. U. Christie
DDH COMMENTS _____

SURVEY DEPTH _____
DIP _____
AZIMUTH _____

Hole No. R 90-3 Py 19/1
COLLAR AZIMUTH _____
COLLAR DIP _____
ELEVATION _____
LENGTH 346.34 metres

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY: (colour, grain size, texture, minerals, alteration etc)	SAMPLE No	SAMPLE				ASSAYS				
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Ag	As	Pb	Zn	
				- elongation of cores (fragments parallel to foliation (2:1 → 3:1)) - bleached halos around some fragments, many fragments are bleached more strongly than surrounding rock. - fr-1% po. in CaO ₃ veins and diss. - foliation at 265m at 35° to CA, 273.50m at 40° to CA, 285m at 10° to CA. - brecciation gets coarser in last 3m with 1% po and 20% CaO ₃ veins in last 1.5m										
288.98	343.00	99%	Amphibolite Pillowed Andesite	- bleached, light grey, grain - beige, (n. grain) - strongly silicified (v. hard) especially in * - elongated (beige) bleached areas, and selective, spotty (5mm) bleached spots, gusee apophytic appearance. - often fractured, pillow structures and veins - thin bleached silicified halos * - strong interstitial calcite alteration, as well as veins in pillow structures. - large Qtz-CaO ₃ veins in pillow structures. - Amygdaloids are generally grey Qtz, minor CaO ₃ , 5% etc, (4mm, average 2mm) round to angular. - Pillow structures are very well preserved with	8225	288.91	290	1.52	1.2% po 4% clay	N.I.	0.1	73	1	110
					8226	290	291.39	1.39	4% po, clay	N.I.	0.1	84	1	101
					8227	306.63	308	1.37	1% po, clay	0.01	0.1	80	1	93
					8228	308	309.63	1.68	4% po	N.I.	0.1	109	1	103
					8229	309.66	311.28	1.52	4% po	N.I.	0.1	73	1	115
					8230	311.28	312.73	1.53	5% po 1% clay	N.I.	0.1	98	1	87
					8231	312.73	314.28	1.47	4% po	0.05	0.1	97	1	89

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  LIMITEDLITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Red
 COMMENCED _____
 COMPLETED _____
 OBJECTIVE _____

NTS _____
 DISTRICT _____
 TWP./LAT LONG _____
 CLAIM _____
 CO-ORDINATES _____

CORE SIZE _____
 CONTRACTOR _____
 DATE LOGGED _____
 LOGGED BY D. W. Christie
 DDH COMMENTS _____

SURVEY DEPTH _____
 DIP _____
 AZIMUTH _____


Hole No. R-90.3, 12, 16/1E
 COLLAR AZIMUTH _____
 COLLAR DIP _____
 ELEVATION _____
 LENGTH 346.34 metres

FOOTAGE		% REC	LITHO TYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc)	SAMPLE No	SAMPLE				ASSAYS						
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	As	N ₂	Cu	Pb	Zn		
				with a CaCO ₃ vein 311.81 - 312.67 (2cm wide) - overall friable, friable - structure v. weak at 10° to CA. at 310m.												
348.97	346.34	99%	Carbonated Angular Andesite Flow	- dk grey green, fn grains - Strongly carbonated (CaCO ₃) and moderate Chloritized - 25% CaCO ₃ amygdular (<1cm, Ave 3mm), 5% Cu ₂ amygdular (4mm), with CaCO ₃ amygdular elongated to tabular (P/S) - 5% CaCO ₃ veinlets - biotite grains visible (<2mm) - foliation poorly developed at 30° to CA, but irregular - possible pillow structures, with Ankerite - 0/2 - CaCO ₃ fillings at 345.80m - 1% - p.a.	8232	348.97	348	1.03	1.00	Nil	0.1	74	1	731		
					8233	348	346.34	1.34	1.2%	Nil	0.1	68	1	671		
	346.34		EOH													

David Christie

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  MINES LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CORE SIZE
COMMENCED		DISTRICT	CONTRACTOR
COMPLETED		TWP /LAT. LONG.	DATE LOGGED
OBJECTIVE		CLAIM	LOGGED BY
		CO-ORDINATES	DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-4	3 of 3
			COLLAR AZIMUTH		
			COLLAR DIP		
			ELEVATION		
			LENGTH		

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION	SAMPLE			ASSAYS
FROM	TO	ROD			SAMPLE No	FROM	TO	

			E.O.H.	<p>- many fractures lined with dk. green chlorite and locally expansional CaCO₃, qtz veins have filled fractures especially fractures parallel to foliation, strong fractures at 50° to CA and 30° to CA.</p> <p>- No V.S. non magnetic, sharp contacts foliation at 45° to CA</p>				
--	--	--	--------	---	--	--	--	--

[Handwritten signature]

GRAPHIC
LOG

DIAMOND DRILL LOG

AGNICO-EAGLE

43
MINES
LIMITED

David Christie

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY REID NTS 42-A-14 CORE SIZE BQ SURVEY DEPTH 30.5m DIP 53°10' Hole No. R-90-5 1 of 7
 COMMENCED Aug. 31, 1990 DISTRICT Porcupine CONTRACTOR Dominik DATE LOGGED Sept. 4, 1990 COLLAR AZIMUTH 216°
 COMPLETED Sept. 2, 1990 CLAIM 1027181 LOGGED BY D.W. Christie COLLAR DIP -55°
 OBJECTIVE North Jocko Fault and Mafic/Felsic Contact & Weak HEM (OGS P700) CO-ORDINATES Ll2+28E DDH COMMENTS Water 200m East to Jocko Creek ELEVATION*
 FOOTAGE % REC LITHOTYPE GEOLOGY (colour, grain size texture, minerals alteration etc.) SAMPLE NO FROM TO TOTAL % SUL Au g/t Ag Cu Pb Zn LENGTH 170.73m

FROM	TO	% REC	LITHOTYPE	DESCRIPTION	SAMPLE NO	FROM	TO	TOTAL	% SUL	Au g/t	Ag	Cu	Pb	Zn
0	36.89		Overburden	-Casing removed										
36.89	91.19	99%	Carbonated Mafic-Chloritic lapilli-Ash Tuff	-med. green to dk. green, fn. v. fn. grained chloritic content varies from strongly chloritic to moderately chloritic with feldspar, with lapilli (5-10mm) fragments of chlorite and chert (<2%) locally. -Calcite (CaCO ₃) veining, veinlets, amygdules (<5mm, ave. 2mm elongated 3:1) and CaCO ₃ banding (10%) white to locally pink, CaCO ₃ veins (<2cm wide) often parallel to foliation but locally pygmatically folded. -locally CaCO ₃ and/or dk. green chl. fracture fill irregular patterns (tensional expansion) -Pyrite CaCO ₃ , qtz bands with chl. amph. blades with pyrite and magnetite, also magnetite in grey qtz CaCO ₃ bands. -magnetic susceptibility ranges from 0-300 x 10 ⁻³ with the higher number in magnetite bands and magnetite-pyrite bands, decreasing to 0 toward 91.19m -hematite staining on some fractures at 90.22m begin to see brittle expansional crackle veining of ankerite epidote and CaCO ₃ , epidote veining; millimetre in width. -foliation v. strong at 50° to CA at 39m, 55° to CA at 53m, 60° to CA at 65m, 60° to CA at 75m, 55° to CA at 81m, 50° to CA at 91m Sub units -73.37-91.19m, 48.94-48.27m show strong epidote alteration on fractures and in qtz carbonate veins (CaCO ₃), epidote alteration gives rock a mottled appearance locally. -88.25-88.35m, 88.49-88.61m epidote ankerite qtz calcite veins -88.90-89.12m, 89.94-90.22m qtz amethyst apatite (green yellow) veins, 3cm long needles of apatite -minor CaCO ₃ fracture fills and 1% pyrite (<5mm) -62.85-64.70 hematite alteration and carbonation -38.59-38.75m, 38.81-38.84m, 39.14-39.16m,	**8237	36.89	38.41	1.52	1%py	nil	0.1	46	1	119
					8238	38.41	40	1.59	5%py	nil	0.2	81	4	180
					8239	40	41.45	1.45	1%py	nil	0.1	73	1	176
					8240	41.45	43	1.55	2%py					
									2%mag	nil	0.1	71	1	172
					8241	43	44.50	1.5	1%py	nil	0.1	63	1	184
					8242	44.50	46	1.5	1%py	nil	0.1	74	1	168
					8243	46	47.50	1.5	2-3%mag					
									2%py	0.01	0.1	87	1	192
					8244	47.50	49.27	1.77	1%py	nil	0.1	66	1	153
					8245	49.27	50.60	1.33	1-2%py	nil	0.1	73	1	175
					8246	50.60	52.28	1.68	4%py	nil	0.1	73	2	213
					8247	52.28	53.65	1.37	1%py	nil	0.1	65	1	78
					8248	53.65	55.15	1.5	2-3%py	nil	0.1	73	3	209
					8249	55.15	56.69	1.54	6-7%py	nil	0.1	81	7	213
					8250	62.85	64.70	1.85	1%py	nil	0.1	67	1	105
					8251	85.72	87.17	1.45	1%py	nil	0.1	78	1	127
					8252	87.17	88.61	1.44	1-2%py	nil	0.1	69	1	149
					8253	88.61	90.22	1.61	2%py	nil	0.1	125	1	160
					**8254	90.22	91.19	0.97	1-2%py	nil	0.1	72	1	193

Note: ** Indicates whole rock geochem. analysis performed.

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

SURVEY DEPTH DIP AZIMUTH Hole No. R-90-5 2 of 7
COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH

PROPERTY REID
COMMENCED
COMPLETED
OBJECTIVE

NTS CORE SIZE
DISTRICT CONTRACTOR
TWP /LAT LONG DATE LOGGED
CLAIM LOGGED BY
CO-ORDINATES DDH COMMENTS

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size texture, minerals alteration etc.)	SAMPLE No	SAMPLE			ASSAYS					
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Au g/t	Ag	(ppm) Cu Pb Zn		
91.19	92.35	99%	massive mafic flow (basal?)	<ul style="list-style-type: none"> -52.07-52.17m (thin py bands 51.67-52.28) 53.96-54.04m, 54.46-54.48m, 54.76-54.80m, 55.32-55.34m, 55.60-55.61, 56.07-56.20m, 56.28-56.34m, 56.39-56.50m - semi massive pyrite (med. coarse < 5mm) with CaCO₃, qtz, pyrite is annealed, non equigranular, subhedral, local bands are magnetic, strong chlorite alteration around these bands 46.95-46.97m, 47.10-47.17m, 46.55-46.71m grey qtz CaCO₃, magnetite bands - 50% magnetite - 5% pyrite - dk. grey green, fn-med grained, coarser than above and below - moderately silicic, less chloritic than above, more feldspathic fracture fill CaCO₃, veins at 15-35° to CA - strong chlorite alteration in first 10cm and last 1cm (contact shears, less competent rock surrounding it) - irregular upper contact - 1-2% diss. cubic pyrite (< 3mm) sometimes annealed into clumps (< 2cm) - amph. chl. feldspar rock matrix - magnetic susceptibility is 0-0.30x10⁻³ (low) - minor voids (expansional fractures) filled by black-dk. green chlorite. 	8255	9.19	92.35	1.16	1%py	nil	0.1	31	1	112
92.35	100.95	99%	Carbonated mafic flow (ash tuff?) (pillow?)	<ul style="list-style-type: none"> - dk. to med. green, fn. grained - v. fn. grained - v. similar to 36.89-91.19m - possibly pillow selva remnants present? - mild CaCO₃ in matrix, 10% veining of; CaCO₃, FeCO₃, epidote, and CaCO₃, qtz (mm in size) - millimetric FeCO₃, epidote crackle brecciation veining. - greywhite qtz carb (CaCO₃) veins at 90° to CA and parallel to foliation. - CaCO₃, amygdules seen locally (< 5mm long) elongation 5:1, 	8256	92.35	94	1.65	tr-1%py	nil	0.1	64	1	144
					8257	94	95.5	1.5	tr-1%py	0.01	0.1	75	1	163
					8258	95.5	97	1.5	tr-1%py	nil	0.1	78	1	149
					8259	97	98.50	1.5	tr-1%py	nil	0.1	76	1	165
					8260	98.50	100	1.5	1%py	nil	0.1	75	1	152
					8261	100	100.95	0.95	1%py	nil	0.1	70	1	157

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

SURVEY DEPTH DIP AZIMUTH Hole No. R-90-5 3 of 7
COLLAR AZIMUTH
COLLAR DIP
ELEVATION
LENGTH

PROPERTY REID DISTRICT CONTRACTOR
COMMENCED TWP /LAT LONG DATE LOGGED
COMPLETED CLAIM LOGGED BY
OBJECTIVE CO-ORDINATES DDH COMMENTS

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE				ASSAYS (ppm)					
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Au g/t	Ag	Cu	Pb	Zn	
100.95	120.74	99%	Altered andesitic volcanics (flow?) sub units	<ul style="list-style-type: none"> also qtz CaCO₃, amygdules showing a 2:1 elongation -strong epidote alteration associated with veins (qtz) and flow contacts. -foliation at 55° to CA at 99m marked by dk. green-black chlorite and CaCO₃, epidote veins and alteration. -1-2% diss. euhedral pyrite (<3mm) often annealed. -magnetic susceptibility of Nil. -Series of massive med. grained mafic brecciated flows and foliated fn. grained flows, with chlorite hematite, silica and calcite alteration, magnetic susceptibility of 0.1x10⁻³ to 1.0x10⁻³ throughout (non magnetic) 100.95-102.80m and 109-109.50m -green, med. grained, poor to absent foliation -moderately hard compared to surrounding rocks although some chlorite alteration. -dk. green-black chlorite filling from expansional shearing leaving brecciation voids, more developed in down hole sub units. -qtz CaCO₃, veins at 85-90° to CA <3cm with dk. green chlorite bands rimming them locally. -CaCO₃, veinlets at irregular angles -hematite staining on fracture surfaces, foliation at 40° to CA in both sub units. 102.80-105.92m, and 107.50-109m -foliated mafic volcanic (tuff-flow?) v.fn. to fn. gr. -similar to 92.35-100.95m -dk. green to yellow green -moderate to strong chl.-ser. alteration on foliation + fracture planes as well as matrix (wispy oily appearance) -qtz - CaCO₃, hematite veinlets (<3mm) at 0° to CA -qtz - epidote CaCO₃, veins and veinlets (1mm-4cm) with weak FeCO₃, in some veins (10-15% qtz + epidote + CaCO₃, veins) -chlorite, dk. green, fills fractures and lines vein walls. 	8262	100.95	102.80	1.85	1%py	nil	0.1	25	2	136	
					8263	102.80	104.30	1.5	1%py	nil	0.1	66	1	142	
					8264	104.30	105.92	1.62	2%py	0.01	0.1	74	1	144	
					8265	105.92	107.50	1.58	1-2%py	nil	0.1	41	1	141	
					8266	107.50	109	1.5	2%py	nil	0.1	52	1	129	
					8267	109	109.50	0.5	2%py	nil	0.1	63	1	110	
					8268	109.50	111	1.5	1-2%py	nil/	0.01	0.1	75	2	136
					8269	111	112.40	1.4	1-2%py	nil	0.1	68	1	118	
					8270	112.40	114	1.6	tr-1%py	nil	0.1	57	1	134	
					8271	114	114.95	0.95	tr-1%py	0.01	0.1	24	1	74	
					8272	114.95	115.91	0.96	tr-1%py	nil	0.1	21	3	85	
					8273	115.91	117	1.09	1-2%py	nil	0.1	108	1	139	
					8274	117	118.03	1.03	1-2%py	nil	0.1	124	5	131	
					8275	118.03	119.50	1.47	1%py	nil	0.2	75	1	142	
					8276	119.50	120.74	1.24	1%py	nil	0.1	49	1	129	

GRAPHIC
LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CORE SIZE	SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-5	4 of 7
COMMENCED		DISTRICT	CONTRACTOR				COLLAR AZIMUTH		
COMPLETED		TWP /LAT LONG	DATE LOGGED				COLLAR DIP		
OBJECTIVE		CLAIM	LOGGED BY				ELEVATION		
		CO-ORDINATES	DDH COMMENTS				LENGTH		

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION GEOLOGY (colour grain size texture minerals alteration etc)	SAMPLE			ASSAYS		
FROM	TO	ROD			SAMPLE No	FROM	TO		TOTAL	% SUL
				<ul style="list-style-type: none"> - Locally white millimetric feldspar porphyries (<2mm) up to 20% over decimetric lengths - bands of euhedral cubic med. gr. pyrite (<3mm) with chlorite CaCO₃ (<4cm wide) (ie 104.85-104.88, 107.55-107.56, and 107.61-107.63) - 1-2% diss. cubic py - foliation moderate at 50° to CA at 105m, 50° to CA at 108.50m 105.92-107.50 mafic lithic lapilli tuff carbonated - dk. green to light green, v. fn. grained to fn. grained - red cherty fragments, v. angular (<1cm) qtz shards (<3mm) - qtz-CaCO₃ fragments angular total 5% fragments - <2mm, fragments often elongated parallel to foliation. - 1-2% diss. and banded pyrite, euhedral, annealed (<3mm) - bleached appearance due to CaCO₃ alteration - foliation strong at 45° to CA qtz CaCO₃ veining at 45° to CA and 60° to CA (<3mm) 109.50-118.03 Brecciated hematized mafic volcanic - pink grey green to green brick red, fn. to med. grained - appears tuffaceous locally, but altered nature makes it indefinite - gradual upper contact - expansional brittle brecciation with dk. green-black chlorite filling fracture voids (10%) (<2cm wide <4cm long) - CaCO₃, also infractures and weak to absent foliation, also CaCO₃, often associated with chlorite alteration. - feldspars altered to sericite-epidote, leaving green-yellow specks throughout. - cherty yellow qtz veins brecciated and boudinized. - 3-5% CaCO₃, qtz veins and veinlets paralleling foliation, also at 20°, 50° and 90° to CA often with mild epidote alteration and chl.-ser. walls or within them. 						

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CORE SIZE
COMMENCED		DISTRICT	CONTRACTOR
COMPLETED		TWP /LAT LONG	DATE LOGGED
OBJECTIVE		CLAIM	LOGGED BY
		CO-ORDINATES	DDH COMMENTS

SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-5	5 of 7
			COLLAR AZIMUTH		
			COLLAR DIP		
			ELEVATION		
			LENGTH		

FOOTAGE		% REC	LITHOLOGY	DESCRIPTION	SAMPLE			ASSAYS
FROM	TO	ROD			GEOLOGY (colour, grain size texture minerals alteration etc)	SAMPLE No	FROM	

-2% fn-med gr. euhedral and annealed pyrite throughout.

-cherty hematite shears 112.12-112.40 and 114.59-114.70m at 40° to CA and 90° to CA respectively, shears have chlorite filled voids (bands) with 2% euhedral py. (diss) and are brick red to rose in colour.

114.17-115.91m - as above, however red green to grey green, less hematitic less brecciated, more silicified, less chloritic void fillings

-cherty white bands faulted by later qtz - CaCO₃ veins, with cherty veins at 150° to CA and qtz veins at 20° to CA.

-Irregular contacts; but sharp, with some brecciation on the contact, brecciation throughout is moderate, seen as brittle expansional fracturing

-foliation weak to moderate at 50° to CA at 111m, 50° to CA at 116m

tr-1% py

118.03-120.74 metres

chloritized carbonated mafic volcanic (Tuff?)

-dk. green, fn. gr.

-expansional fracture voids filled by black chlorite, 5% matrix strongly carbonated (CaCO₃) and feldspars (2-3mm)

-weakly sericitized, CaCO₃ content 25-30% in matrix and veins.

-dk. green and white speckled appearance (feldspars)

-v. strongly foliated at 50° to CA, with foliation intensity and chlorite alteration increasing to lower contact

-upper contact gradual, lower contact sharp.

-CaCO₃ veins at 90° to CA and parallel to foliation

DIAMOND DRILL LOG

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CORE SIZE	SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-5	6 of 7
COMMENCED		DISTRICT	CONTRACTOR				COLLAR AZIMUTH		
COMPLETED		TWP /LAT LONG	DATE LOGGED				COLLAR DIP		
OBJECTIVE		CLAIM	LOGGED BY				ELEVATION		
		CO-ORDINATES	ODH COMMENTS				LENGTH		

FOOTAGE FROM	TO	% REC RQD	LITHOLOGY	DESCRIPTION GEOLOGY (colour, grain size texture, minerals, alteration etc)	SAMPLE No	SAMPLE			ASSAYS (ppm)					
						FROM	TO	TOTAL	% SUL	Au g/t	Ag	Cu	Pb	Zn
120.74	145.65	99%	Qtz eyed Rhyolitic Tuff (lapilli)	- grey to grey yellow, fn. gr. - 30-35% white to yellow white feldspar fragments rounded to * sub-angular with the odd euhedral fragment (≤ 3 mm, ave. 2mm) with a yellow grey siliceous matrix surrounding them, with increasing sericite content down hole until near the lower contact there are thin bands of * (mm) yellow sericite. - 10% round to oval grey qtz. eyes (≤ 2 mm) with local * concentrations of 25% in areas of less feldspar fragments and more matrix. - CaCO ₃ , lines fractures and in veinlets - grey cherty qtz. veins at 90° to CA (≤ 2 cm) and 20° to CA and one set parallel to foliation, (5% total), also grey white veins increasing at unit end, and the qtz-CaCO ₃ veins. - qtz eyes and feldspar fragments often elongated to foliation with local pressure shadows, matrix supported fragments - 1% v. fn. diss. pyrite * - fault gouge at 121.53 metres (5mm wide) - strongly foliated at 122m at 55° to CA, 50° to CA at 133m, 50° to CA at 140m; and 45° to CA at 145m.	8277	120.74	122.25	1.51	tr-1%py	nil	0.1	21	2	81
					8278	122.25	123.75	1.5	tr py	0.01	0.1	11	5	47
					8279	123.75	125.25	1.5	tr py	nil	0.1	6	3	55
					8280	125.25	126.75	1.5	tr-1%py	0.02	0.1	10	7	71
					8281	126.75	127.25	0.5	tr-1%py	nil	0.1	11	10	66
					8282	127.25	129.75	2.5	tr-1%py	0.03	0.1	7	2	53
					8283	142.65	144.15	1.5	tr-1%py	nil	0.1	9	2	15
					8284	144.15	144.65	1.5	tr py	0.02	0.1	7	2	10
145.65	170.73	70%	sericitized rhyolitic qtz eye tuff	- grey yellow; fn. gr. matrix * - banded yellow sericitized (mm) and feldspathic (mm-cm) bands (annealed feldspar fragments and bands) - strongly broken up; v. blocky, mm-decimeter fragments, easily fragmented, v. fissile along sericitized * foliation planes - 0.61m ground at 169.74, 0.91m ground at 163.37m foliation contorted locally showing crenulation folding minor CaCO ₃ , veinlets and on fracture planes - grey cherty qtz veins often with v. fn. diss. pyrite ($\leq 1\%$) in them 2-3% grey cherty qtz veins	8285	145.65	147.15	1.5	tr-1%py	nil	0.1	5	2	3
					8286	147.15	148.65	1.5	tr py	nil	0.1	3	1	3
					8287	167.38	168.87	1.49	tr py	0.03/				
					8288	168.87	170.73	1.86	tr-1%py	0.05	0.2	5	4	66
									tr-1%py	nil	0.1	4	2	54

GRAPHIC
LOG

DIAMOND DRILL LOG

AGNICO-EAGLE  LIMITED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY	REID	NTS	CORE SIZE
COMMENCED		DISTRICT	CONTRACTOR
COMPLETED		TWP /LAT LONG	DATE LOGGED
OBJECTIVE		CLAIM	LOGGED BY
		CO-ORDINATES	DDH COMMENTS

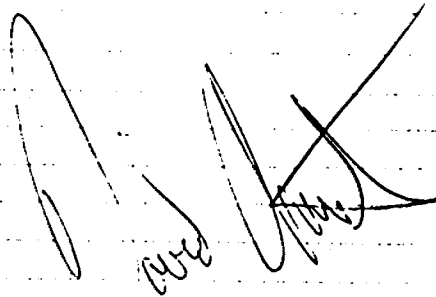
SURVEY DEPTH	DIP	AZIMUTH	Hole No.	R-90-5	7 of 7
			COLLAR AZIMUTH		
			COLLAR DIP		
			ELEVATION		
			LENGTH		

FOOTAGE	% REC	LITHO TYPE	DESCRIPTION	SAMPLE	SAMPLE	ASSAYS
FROM	TO	ROD	GEOLOGY (colour, grain size texture, minerals alteration etc.)	SAMPLE No	FROM TO TOTAL	% SUL

170.73

E.O.H.

also white - grey qtz veins, all are mostly parallel to foliation although crosscut by 5-10° locally
 5% grey qtz eyes (<4mm) oval to round local bands rich in potassic feldspar (2cm to 10cm)
 foliation at 40° to CA at 154m, 57° to CA at 160m, 90° to CA at 170.73m
 isoclinal fold nose at 170m at 65° to CA
 1% diss. fn. pyrite and in annealed masses (<1cm)
 magnetic susceptibility 0-0.0 x 10⁻³ (non magnetic)



David [unclear]

AGNICO-EAGLE LIMITED

DIAMOND DRILL LOG

GRAPHIC LOG
LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Red
 COMMENCED Sept. 1/77
 COMPLETED Sept. 1/77
 OBJECTIVE HLEN 5

NTS 40-0-11
 DISTRICT Porcupine
 TWP. LAT LONG Mahalsy
 CLAIM 1029123
 CO-ORDINATES L90E 3010M

CORE SIZE C11
 CONTRACTOR Dominion Drilling
 DATE LOGGED Sept. 1/77
 LOGGED BY D.W. Christie
 DDH COMMENTS water 50m down on Mattagami River

SURVEY DEPTH 30.5
 DIP 54°
 AZIMUTH 71m 54°
 166.4m 53°

Hole No. P 706 1/77
 COLLAR AZIMUTH 216°
 COLLAR DIP -56°
 ELEVATION
 LENGTH 166.46 metres

FOOTAGE METRES		% REC	LITHOTYPE	DESCRIPTION	SAMPLE No	SAMPLE				ASSAYS (ppm)				
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Ag%	Ag	Cu	Pb	Zn
0	28.27		Overburden	casing removed										
28.27	42.87	99%	Carbonated Andesitic (P.H.V?) Volcanic	- dk to bleached green, v. fn to f. stained. - rock has a mottled bleached appearance due to non pervasive (selective) CaO ₃ alteration however locally V. Strong - 3% Qtz - Epidote - CaO ₃ mm. Veinlets at 110° to CA, 25° to CA, 35° to CA & 60° to CA. - additionally there are CaO ₃ - Epidote - Qtz or Qtz - Epidote or CaO ₃ - Qtz veins of 5-10cm width every 1.5-3 metres, possibly pillow selunges - chlorite - epidote - CaO ₃ veins - local brecciation around larger Qtz - CaO ₃ - epidote - chlorite - veins or pillow selunges. - micro faulting along veinlets. - post dr. material developed foliation at 40° to CA, at 29m, 45° to CA at 36m, 50° to CA at 41.5m - 1% py seen in CaO ₃ veins and local chl - CaO ₃ alteration in f. zone (<1mm) and annealed masses (<1cm) - magnetic suscep. low 0-0.21 x 10 ³ (v. low)	8318	30	31.5	1.5	2% Py	Nil	0.1	92	1	96
					8319	31.5	33	1.5	4-1% Py	Nil	0.1	91	1	83

DIAMOND DRILL LOG

AGNICO-EAGLE

STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Rou NTS _____ CORE SIZE _____
 DISTRICT _____ CONTRACTOR _____
 COMMENCED _____ TWP / LAT LONG _____ DATE LOGGED _____
 COMPLETED _____ CLAIM _____ LOGGED BY D.W. Christie
 OBJECTIVE _____ CO-ORDINATES _____ DDH COMMENTS _____

SURVEY DEPTH _____ DIP _____ AZIMUTH _____
 Hole No. R-90-6 py 2/7
 COLLAR AZIMUTH _____
 COLLAR DIP _____
 ELEVATION _____
 LENGTH 166.96 metres

FOOTAGE		REC	LITHO TYPE	DESCRIPTION	SAMPLE No	SAMPLE				ASSAYS (ppm)				
FROM	TO	ROD				FROM	TO	TOTAL	% SUL	Au g/t	Ag	Cu	Pb	Zn
42.87	59.55	99%	Altered Mafic Volcanics	- dk to med. green, fn to med. grained - massive to weakly foliated mafic units 42.87 - 45.50 - massive mafic volcanic - v. weak foliation at 60° to CA. - minor CaCO ₃ -Qtz veinlets (<1cm, Ave 2mm) parallel to foliation and at 160° to CA. - tr. pyrite in CaCO ₃ veins - chlorite alteration at both gradual contacts where unit fine. 45.50-50.41 - mafic (pillow?) volcanic - v. fn to fn. grained, massive to weakly foliated - similar to 28.27-42.87; similar, common - Epidote - Qtz. CaCO ₃ veining 45.50-48.71m 49.52-49.93m, often cordierite, plagioclase, feldspar microcrystalline. - weak CaCO ₃ alteration locally, weak chlorite alteration locally, especially near veining. - tr. pyrite in CaCO ₃ veins and alteration areas. - Magnetite susceptible to oxidation - foliation at 50° to CA, poor to absent 50.41-51.65 - Qtz. CaCO ₃ veining with actinolite bands. 1% pyrite, ilmenite with disseminated fine grained sulphides	8320	49.50	50.65	1.15	1% py	Nil	0.1	87	1	131
					8321	50.65	52.15	1.5	1% py	Nil	0.1	98	1	143
					8322	52.15	53.60	1.45	2% py	Nil	0.1	180	1	127
					8323	53.60	55.10	1.5	2% py	Nil	0.1	77	2	82
					8324	55.10	56.59	1.45	2% py	Nil	0.1	111	2	81
					8325	56.59	58.10	1.51	2% py	Nil	0.1	96	9	78
					8326	58.10	59.55	1.45	1% py	Nil	0.1	39	1	71

MINERALIZATION ALTERATION

DIAMOND DRILL LOG

AGNICO-EAGLE MINERALS LIMITED

PROPERTY <u>Rew</u>	NTS	CORE SIZE	SURVEY DEPTH	DIP	AZIMUTH	Hole No. <u>R-90-6 p557</u>
COMMENCED	DISTRICT	CONTRACTOR				COLLAR AZIMUTH
COMPLETED	TWP /LAT LONG	DATE LOGGED				COLLAR DIP
OBJECTIVE	CLAIM	LOGGED BY <u>D. W. Christie</u>				ELEVATION
	CO-ORDINATES	DDH COMMENTS				LENGTH <u>166.46 metres</u>

FOOTAGE		% REC	LITHO TYPE	DESCRIPTION GEOLOGY (colour, grain size, texture, minerals, alteration etc.)	SAMPLE No	SAMPLE				ASSAYS				
FROM	TO	REC				FROM	TO	TOTAL	% SUL	Ag	Ag	Ca	Pb	Zn
	113.79 - 134.13 m			- epidotitized bleached diabase - Co - med. grained (<5mm) equigranular - epidotitized lighter green colour; epidote on fracture planes - also increasing weak foliation near lens contact - 128.78 - 128.92 m - orange Qtz - CaCO ₃ - Chl - 134.13 - 135.53 m finer grained diabase margin with weak chlorite alteration and epidote alteration - foliation at 60° to CA at 123m, 40° to CA at 130m, 40° to CA at 134m - v. weak foliation elsewhere										
59.55	135.53	99%	Diabasic Mafic 11/100mm (Oxide)	- green, med. grained (<3mm, 2mm avg) - CI = 60-65, Mag. Suscept = 0.0 - equigranular - local sericitization of feldspars - CaCO ₃ - Qtz veins <10cm (Avg 5mm) 1-2%, Epidote - Qtz - CaCO ₃ veins (<10cm); chl. (Oxide) fracture fillings and veins - local chlorite alteration proximal to veins (Qtz - CaCO ₃) and fractures - massive no foliation, showing proximal veins	8337	59.55	61.0	1.95	1.0%	N.I.	0.1	112	1	69
					8338	61.0	62.50	1.5	1.0%	0.4	0.1	54	1	65
					8339	62.50	64	1.5	1.0%	N.I.	0.1	75	1	86
					8330	64	65.08	1.0%	1.0%	N.I.	0.1	119	1	?
					8331	65.08	66.50	1.42	1.0%	0.02	0.1	73	1	113
					8332	66.50	68	1.5	1.0%	0.03	0.1	91	1	109
					8333	68	69.13	1.13	1.0%	N.I.	0.1	86	1	124
					8334	69.13	70.88	1.75	1.1%	N.I.	0.1	59	1	23
					8335	70.88	72	1.12	1.0%	0.01	0.1	110	1	149
					8336	72	73.50	1.5	1.1%	N.I.	0.1	67	1	51

GRAPHIC LOG

DIAMOND DRILL LOG

AGNICO-EAGLE INCORPORATED

LITHOLOGY
STRUCTURE
MINERALIZATION
ALTERATION

PROPERTY Red
 COMMENCED _____
 COMPLETED _____
 OBJECTIVE _____

NTS _____
 DISTRICT _____
 TWP /LAT LONG _____
 CLAIM _____
 CO-ORDINATES _____

CORE SIZE _____
 CONTRACTOR _____
 DATE LOGGED _____
 LOGGED BY D. W. Christie
 DDH COMMENTS _____

SURVEY DEPTH	DIP	AZIMUTH

Hole No. R-90-6-137
 COLLAR AZIMUTH _____
 COLLAR DIP _____
 ELEVATION _____
 LENGTH 166.46

FOOTAGE		% REC	LITHOTYPE	DESCRIPTION <small>GEOLOGY (colour, grain size, texture, minerals alteration etc)</small>	SAMPLE No	SAMPLE			ASSAYS					
FROM	TO	ROD				FROM	TO	TOTAL	% SUL					
				at 90° to (A) and parallel to foliation. - physically folded Qtz - (a) veins locally - foliation weak to absent, at 16° to (A) at 136m, 50° to (A) at 151.8m, 10° to (A) at 155m, 50° to (A) at 153m, 150° to (A) at 166m.										
			EOH.											
166.46														

David Christie

ASSAY INVOICES

ASSAY RESULTS

23516



SWASTIKA LABORATORIES

(A DIVISION OF ASSAYERS CORPORATION LIMITED)

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
 TELEPHONE: (705) 842-3244 FAX (705) 842-3300

JOUR 28 DAY | DATE MOIS Sept MONTH | ANNEE 1990 YEAR

TRANSPORTEUR
 SHIPPED VIA

VENDU A
 SOLO TO

W/A. Hubachek Consultants
 Suite 603--141 Adelaide St. W.
 Toronto, Ontario
 M5L 3L5

1.5% LATE CHARGE OVER 30
 DAYS (ANNUAL RATE 18%)

NO. D'EXEMPT. DE TAXE FED.	NO. D'EXEMPT. DE TAXE PROV.	VOTRE NO. DE COMMANDE	NOTRE NO. DE COMMANDE	CONDITIONS NET 30 DAYS	REP. DES VENTES
FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS	SALES REP.
20		Whole Rock Analysis Sept. 28, 1990		\$ 30.00	\$ 600.00
				-108.....	60.00
				SWASTIKA LABORATORIES WITH THANKS ER <i>[Signature]</i>	
				TOTAL.....\$ 540.00	

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



W.A. HUBBARD
 SEP 12
 39 S.C.

SW-779

OT - 0543 RPI

SAMPLE#	8278	8284	8288	8289
%				
SI02	72.78	70.91	79.63	77.24
AL2O3	12.51	13.64	11.23	11.86
FE2O3	2.83	2.32	1.76	2.86
CAO	2.42	2.51	0.64	1.15
MGO	0.98	1.06	0.3	0.26
NA2O	2.08	1.22	2.51	1.89
K2O	2.32	3.11	1.76	1.76
TIO2	0.29	0.32	0.11	0.11
MNO	0.05	0.08	0.02	0.06
P2O5	0.04	0.04	0.02	0.01
LOI	3.65	4.71	1.95	1.78
PPM				
BA	482	388	256	651
CR	639	1150	1229	209
NB	41	45	<10	23
SR	59	39	38	64
Y	29	48	41	88
ZR	434	490	315	334

OT - 0544 RPI

SAMPLE#	8303	8317
%		
SI02	77.92	75.97
AL2O3	11.88	12.39
FE2O3	1.89	2.61
CAO	1.34	1.88
MGO	0.12	0.31
NA2O	2.34	2.81
K2O	2.23	1.85
TIO2	0.11	0.23
MNO	0.02	0.04
P2O5	0.01	0.03
LOI	2.08	1.83
PPM		
BA	429	371
CR	665	1183
NB	25	19
SR	52	80
Y	83	76
ZR	284	309

← DDH R-90-5 →

DDH R-90-3

SW-779

SAMPLE#	8231	8237	8254	8262	8266	8270
%						
SI02	47.59	50.15	47.89	56.38	49.33	47.41
AL203	14.88	13.02	15.39	13.38	13.71	15.06
FE203	8.97	10.87	14.48	12.64	14.84	15.59
CAO	12.68	8.75	7.29	5.56	8.84	6.51
MGU	2.79	3.56	3.81	1.81	3.76	5.85
NA2O	1.18	0.81	3.51	3.92	1.81	3.38
K2O	0.22	1.18	0.02	0.02	0.03	0.02
TIO2	0.78	1.61	2.09	1.56	1.54	1.95
MNO	0.29	0.18	0.23	0.23	0.24	0.22
P2O5	0.05	0.16	0.18	0.18	0.18	0.25
LOI	10.43	9.61	5.06	3.81	5.67	3.71
PPM						
BA	179	671	100	248	58	116
CR	302	418	346	610	344	95
NB	145	98	140	120	89	<10
SR	95	84	163	235	325	204
Y	<10	22	19	39	19	19
	44	254	195	404	193	230

W.A. HUBBARD
Sept 12 40 S.C.

OT-0543 RA1

DDH R-90-3

DDH R-90-5

DDH R-90-5

Assayers Ontario Laboratories
 8 Chauncey Ave
 TORONTO, Ontario
 M7Z 2Z2

September 28, 1990

Submitted by: Swastika Laboratories for W.A. Hubacheck Consultants Ltd.

Sample#	8151	8161	8162	8169	8174	8183	8191	8205	8207	8208	8211	8219	8224	8226
%														
IO2	51.02	52.02	58.11	52.98	74.78	55.51	51.62	55.96	52.51	48.41	51.09	50.11	45.67	49.97
CL203	13.18	13.15	13.12	13.72	11.51	13.59	20.62	15.31	10.95	13.32	11.56	12.23	10.51	13.96
FE203	8.84	11.15	7.86	7.51	2.61	7.91	9.59	6.37	4.46	10.49	16.35	10.97	9.99	10.08
CAO	8.24	6.76	5.88	5.82	2.11	6.91	3.59	7.71	14.05	11.18	6.71	10.76	13.93	11.95
MGO	4.76	4.44	2.98	4.11	0.32	2.68	2.23	1.64	1.15	2.25	3.68	3.37	3.05	2.72
SA20	1.38	2.46	4.41	3.27	2.34	2.11	1.76	0.06	0.01	1.42	3.51	0.08	0.02	1.28
CR20	2.32	1.89	1.42	1.43	3.82	2.22	4.31	3.93	3.06	2.08	0.61	1.98	2.06	1.01
IO2	0.76	1.19	0.79	0.88	0.19	1.43	1.18	0.85	0.59	1.27	0.99	1.15	1.03	0.72
MNO	0.18	0.16	0.15	0.12	0.05	0.14	0.15	0.15	0.15	0.31	0.27	0.31	0.29	0.33
ZOS	0.24	0.25	0.21	0.16	0.08	0.24	0.29	0.21	0.15	0.21	0.15	0.15	0.15	0.11
LOI	8.95	6.44	4.99	9.71	2.15	7.16	4.61	7.72	12.77	8.95	4.59	8.82	13.15	7.75
PPM														
BA	345	196	196	152	608	409	559	576	501	325	89	285	422	138
CR	437	226	336	371	1762	235	166	626	785	188	321	138	140	371
VB	140	120	116	101	41	131	51	150	280	120	111	115	158	150
SR	120	119	141	141	83	78	53	51	68	88	110	76	55	100
Y	43	41	40	29	78	43	44	33	26	36	29	31	34	29
ZR	380	395	402	329	682	422	610	465	340	310	250	271	280	190

Aug 29
 W.A. Hubacheck
 OT-0488 RA1

W.A. Hubacheck
 OT-0524 RA1

W.A. Hubacheck
 Sept 10 45
 OT-0524 RA1

DDH R-90-1

DDH R-90-2

DDH R-90-3

ASSAYERS ONTARIO LABORATORIES

J. van Engelen Mgr.

23057



SWASTIKA LABORATORIES

(A DIVISION OF ASSAYERS CORPORATION LIMITED)

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
 TELEPHONE: (705) 642-3244 FAX (705) 642-3300



VENDU A BOLD TO

W.A. Hubacheck Consultants Ltd
 Suite 603--141 Adelaide St. W.
 Toronto, Ontario
 M5H 3L5

1.5% LATE CHARGE OVER 30
 DAYS (ANNUAL RATE 18%)

NO. D'ÉCHÉANCE DE TAUX P.V.		NO. RÉCÉPÉ DE TAUX P.V.		NOTRE NO. DE COMMANDE		VOTRE NO. DE COMMANDE		CONDITIONS		REP. DES VENTES	
FED. LICENCE NO.		PROV. LICENCE NO.		YOUR ORDER NO.		OUR ORDER NO.		NET 30 DAYS		SALES REP.	
QUANTITE QUANTITY	DESCRIPTION						PRIX UNITAIRE UNIT PRICE	MONTANT AMOUNT			
19	Au assays						\$ 8.75	\$ 166.25			
3	Cu Pb Zn PPM						11.50	34.50			
19	Sample Handling						3.00	57.00			
	Cert.#OT-0488-RA1 Sept. 4, 1990										
							Sub-total...	257.75			
	Received Sept 10						-10%.....	25.7			
	Approved by PCH										
	Project / Code Reid										
	132/1/03										
	Invoicing to Lucky Eagle						TOTAL.....	\$ 231.97			

FACTURE/INVOICE

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



23057

SWASTIKA LABORATORIES

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

DAY PHONE: (416) 291-1111
TELEPHONE: (416) 291-1111
FAX: (416) 291-1111

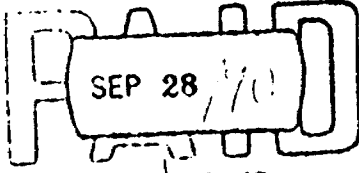
DATE PAID: **Sept 1990**

W.A. Hibacheck Consultants Ltd
Suite 603--141 Adelaide St. W.
Toronto, Ontario
M5H 3L5

1.5% LATE CHARGE OVER 30
DAYS (ANNUAL RATE 18%)

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
10	All assays	\$ 8.75	\$ 166.25
3	Cu Pb Zn PPH	11.50	34.50
10	Sample Handling	3.00	57.00
Cert.#DT-0488-RAI Sept. 4, 1990			
Sub-total...			257.75
-10%.....			25.7
TOTAL.....			\$ 231.97

SWASTIKA LABORATORIES



WITH THANKS

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Assay Certificate

0T-0488-RA1

Company: **W.A. HUBACHECK CONSULTANTS LTD.**

Date: **SEP-04-90**

Project:

Copy 1. 141 ADELAIDE ST. W. SUITE 603, TORONTO ONT

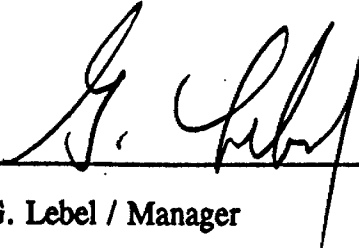
Attn: **P. HUBACHECK / D. CHRISTIE**

2. M5H 3L5 FAX TO 416-364-5384

We hereby certify the following Assay of 19 CORE samples submitted AUG-29-90 by DAVID CHRISTIE.

Sample Number	Au g/tonne	Au oz/ton	Au check g/tonne	Au check oz/ton	Cu ppm	Pb ppm	Zn ppm
T 8151	Nil						
8152	Nil						
8153	Nil						
8154	0.04	.001					
✓ 8155	0.03	.001					
8156	0.04	.001					
8157	0.05	.001	0.07	.002			
8158	Nil						
8159	Nil						
+ 8160	Nil						
8161	Nil				49	14	106
8162	0.03	.001			28	11	77
8163	0.01	.001					
✓ 8164	0.36	.011	0.35	.010	129	303	187
8165	0.02	.001					
8166	Nil						
8167	Nil						
⊥ 8168	Nil						
8169	0.01	.001					

19.

Certified by 
G. Lebel / Manager

23139



SWASTIKA LABORATORIES

(A DIVISION OF ASSAYERS CORPORATION LIMITED)

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
 TELEPHONE: (705) 642-3244 FAX (705) 642-3300



VENDU A
SOLD TO

Hubacheck Consultants
 Suite 603--141 Adelaide St. E.
 Toronto, Ontario
 M5H 3L5

1.5% LATE CHARGE OVER 30
 DAYS (ANNUAL RATE 18%)

QUANTITE QUANTITY	DESCRIPTION	PRIX UNITAIRE UNIT PRICE	MONTANT AMOUNT
40	Au assays	\$ 8.75	\$ 350.00
40	Ag Cu Pb Zn PPM	15.00	600.00
40	Sample Handling	3.00	120.00
	Cert. # OT-0543-RA1 Sept. 14, 1990		
39	Au assays	8.75	341.25
39	Ag Cu Pb Zn	15.00	585.00
39	Sample Handling	3.00	117.00
	Cert. # OT-0544-RA1 Sept. 14, 1990		
	Recei EG Sept. 18	Sub-total.....	2113.25
	Approved by Peter Hubachek	-10%.....	211.33
	Project / Code 132/1/03 Thorsen		
	Invoicing to Lucky Eagle	TOTAL.....	\$1901.92

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



SWASTIKA LABORATORIES

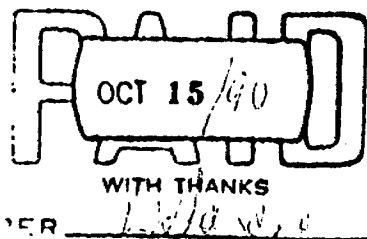
ANALYTIQUE ASSAIES ET CONSULTANTS

141 BOULEVARD SWASTIKA, ONTARIO TORONTO
 TELEPHONE (416) 642-3244 FAX (416) 642-3244

DATE MOIS ANNEE
 14 Sept 1990

Hubacheck Consultants
 Suite 603—141 Adelaide St. E.
 Toronto, Ontario
 M5H 3L5

15% LATE CHARGE OVER 30 DAYS (ANNUAL RATE 18%)

NO. DE DEMPT DE TAXE FED	NO. DE DEMPT DE TAXE PROV.	NUMERO DE COMMANDE	NUMERO DE COMMANDE	NET 30 DAYS			
FED. LICENCE NO.	PROV. LICENCE NO.	YOUR ORDER NO.	OUR ORDER NO.	TERMS			
		R-90					
40	Au assays	SWASTIKA LABORATORIES		\$ 8.75	\$ 350.00		
40	Ag Cu Pb Zn PPM			15.00	600.00		
40	Sample Handling			3.00	120.00		
	Cert. # OT-0543-RA1 Sept. 14, 1990						
39	Au assays					8.75	341.25
39	Ag Cu Pb Zn					15.00	585.00
39	Sample Handling	3.00	117.00				
	Cert. # OT-0544-RA1 Sept. 14, 1990	PER <u>L. J. G. S. C.</u>					
			Sub-total.....		2113.25		
			-10%.....		211.33		
			TOTAL.....		\$1901.92		

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Page 1 of 2

0T-0543-RA1

Assay Certificate

Company: **HUBACHECK CONSULTANTS**
Project: **R-90**
Attn: **DAVID CHRISTIE**

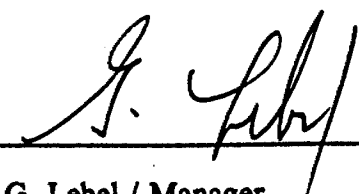
Date: **SEP-14-90**
Copy 1. 141 ADELAIDE ST. W. SUITE 603, TORONTO
2. M5H 3L5 FAX TO 416-364-5384

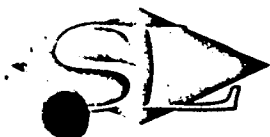
We hereby certify the following Assay of 40 SPLIT CORE samples submitted SEP-12-90 by DAVID CHRISTIE.

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Pb ppm	Zn ppm
8261 ✓	Nil		0.1	70	1	157
8262 ✓	Nil		0.1	25	2	136
8263 ✓	Nil		0.1	66	1	142
8264 ✓	0.01		0.1	74	1	144
8265 ✓	Nil		0.1	41	1	141
8266 ✓	Nil		0.1	52	1	129
8267 ✓	Nil		0.1	63	1	110
8268 ✓	Nil	0.01	0.1	75	2	136
8269 ✓	Nil		0.1	68	1	118
8270 ✓	Nil		0.1	57	1	134
8271 ✓	0.01		0.1	24	1	74
8272 ✓	Nil		0.1	21	3	85
8273 ✓	Nil	Nil	0.1	108	1	139
8274 ✓	Nil		0.1	124	5	131
8275 ✓	Nil		0.2	75	1	142
8276 ✓	Nil		0.1	49	1	129
8277 ✓	Nil		0.1	21	2	81
8278 ✓	0.01		0.1	11	5	47
8279 ✓	Nil		0.1	6	3	55
8280 ✓	0.02		0.1	10	7	71
8281 ✓	Nil		0.1	11	10	66
8282 ✓	0.03		0.1	7	2	53
8283 ✓	Nil		0.1	9	2	15
8284 ✓	0.02		0.1	7	2	10
8285 ✓	Nil		0.1	5	2	3
8286 ✓	Nil		0.1	3	1	3
8287 ✓	0.03	0.05	0.2	5	4	66
8288 ✓	Nil		0.1	4	2	54
8289 ✓	Nil		0.1	6	12	135
8290 ✓	Nil		0.1	9	7	112

R-90-5

R-90-3

Certified by 
G. Lebel / Manager



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Page 2 of 2

Assay Certificate

0T-0544-RA1

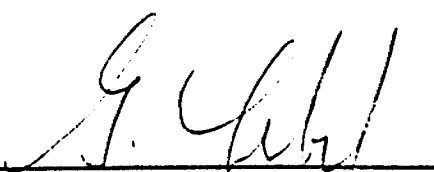
Company: HUBACHECK CONSULTANTS
Project: R-90
Attn: DAVID CHRISTIE

Date: SEP-14-90
Copy 1. 141 ADELAIDE ST. W. SUITE 603, TORONTO
2. M5H 3L5 FAX TO 416-364-5384

We hereby certify the following Assay of 39 SPLIT CORE samples submitted SEP-12-90 by DAVID CHRISTIE.

R-90-6

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Pb ppm	Zn ppm
8331	0.02		0.1	73	1	113
8332	0.03		0.1	91	1	109
8333	Nil		0.1	86	1	124
8334	Nil		0.1	59	1	123
8335	0.01		0.1	110	1	149
8336	Nil		0.1	67	1	51
8337	Nil		0.1	3	1	58
8338	0.02		0.1	71	1	134
8339	Nil		0.1	5	1	189

Certified by 
G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Page 1 of 2

Assay Certificate

0T-0544-RA1


Company: HUBACHECK CONSULTANTS
Project: R-90
Attn: DAVID CHRISTIE

Date: SEP-14-90
Copy 1. 141 ADELAIDE ST. W. SUITE 603, TORONTO
2. M5H 3L5 FAX TO 416-364-5384

We hereby certify the following Assay of 39 SPLIT CORE samples submitted SEP-12-90 by DAVID CHRISTIE.

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Pb ppm	Zn ppm
8301 ✓	Nil		0.1	5	8	85
8302 ✓	0.01		0.1	7	9	122
8303 ✓	Nil		0.1	8	7	136
8304 ✓	Nil		0.1	9	6	104
8305 ✓	Nil	Nil	0.1	11	5	107
8306 ✓	Nil		0.1	12	5	98
8307 ✓	Nil		0.2	13	9	103
8308 ✓	Nil		0.1	12	5	109
8309 ✓	Nil		0.1	13	7	108
8310 ✓	Nil		0.1	10	7	102
8311 ✓	Nil		0.5	10	5	127
8312 ✓	Nil		0.2	14	8	143
8313 ✓	Nil		0.1	16	5	84
8314 ✓	Nil		0.1	13	7	76
8315 ✓	Nil		0.1	11	5	103
8316 ✓	Nil		0.1	8	5	71
8317 ✓	Nil		0.1	14	6	95
8318 ✓	Nil		0.1	92	1	96
8319 ✓	Nil	0.01	0.1	91	1	83
8320 ✓	Nil		0.1	87	1	131
8321 ✓	Nil		0.1	98	1	143
8322 ✓	Nil		0.1	180	1	127
8323 ✓	Nil		0.1	77	2	82
8324 ✓	Nil		0.1	111	2	89
8325 ✓	Nil		0.1	96	9	78
8326 ✓	Nil	0.01	0.1	39	1	74
8327 ✓	Nil		0.1	112	1	64
8328 ✓	0.01		0.1	54	1	65
8329 ✓	Nil		0.1	75	1	86
8330 ✓	Nil		0.1	119	1	91

K-40-3
K-40-6

Certified by 
G. Lebel / Manager



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Page 2 of 2

Assay Certificate

0T-0543-RA1

Company: **HUBACHECK CONSULTANTS**
Project: **R-90**
Attn: **DAVID CHRISTIE**

Date: **SEP-14-90**
Copy 1. 141 ADELAIDE ST. W. SUITE 603, TORONTO
2. M5H 3L5 FAX TO 416-364-5384

We hereby certify the following Assay of 40 SPLIT CORE samples submitted SEP-12-90 by DAVID CHRISTIE.

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Pb ppm	Zn ppm
8291 ✓	Nil		0.1	8	7	140
8292 ✓	Nil		0.1	7	15	165
8293 ✓	0.02	Nil	0.1	7	6	129
8294 ✓	Nil		0.1	6	8	95
8295 ✓	Nil		0.1	8	10	98
8296 ✓	Nil		0.1	7	6	117
8297 ✓	Nil		0.1	7	9	156
8298 ✓	Nil		0.1	7	6	143
8299 ✓	Nil		0.2	5	10	124
8300 ✓	Nil		0.1	6	9	155

R-90-3

Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300

23140



SWASTIKA LABORATORIES

(A DIVISION OF ASSAYERS CORPORATION LIMITED)

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
 TELEPHONE: (705) 642-3244 FAX (705) 642-3300



VENDU A
 SOLD TO

Hubacheck Consultants
 Suite 603--141 Adelaide St. E.
 Toronto, Ontario
 M5H 3L5

1.5% LATE CHARGE OVER 30
 DAYS (ANNUAL RATE 18%)

QUANTITE QUANTITY	DESCRIPTION	NET 30 DAYS TERMS	SALES REP. MONTANT AMOUNT
46	Au assays	\$ 8.75	\$ 402.50
46	Ag Cu Pb Zn	15.00	690.00
38	Ni	3.50	133.00
46	Sample Handling Cert.#OT-0524-RA1 Sept. 14, 1990 ✓	3.00	138.00
✓ 45	Au assays	8.75	393.75
45	Ag Cu Pb Zn	15.00	675.00
18	Ni	3.50	63.00
45	Sample Handling Cert.#OT-0525-RA1 Sept. 13, 1990 ✓	3.00	135.00
APPROVED BY <i>Peter Hubacheck</i>		Sub-total	2630.25
PROJECT # <i>132/1103</i>		-10%	263.03
<i>Lucky Eagle</i>		TOTAL	\$2367.22

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



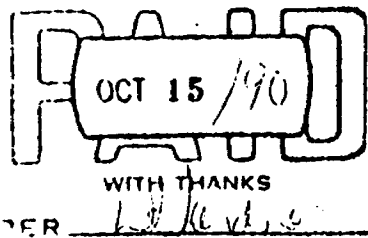
SWASTIKA LABORATORIES

1400 BAYVIEW AVE. TORONTO, ONT. M2H 1L9
 TEL: (416) 291-1111 FAX: (416) 291-1110

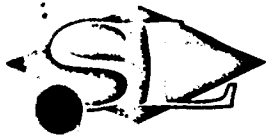
DATE MOVED
 14... Sept. 1990

Hubacheck Consultants
 Suite 603—141 Adelaide St. E.
 Toronto, Ontario
 M5H 3L5

1.5% LATE CHARGE (OVER 30 DAYS)
 (ANNUAL RATE 10%)

QTY	DESCRIPTION	UNIT PRICE	TOTAL
46	Au assays	\$ 8.75	\$ 402.50
46	Ag Cu Pb Zn	15.00	690.00
38	Ni	3.50	133.00
46	Sample Handling	3.00	138.00
SWASTIKA LABORATORIES  WITH THANKS PER <i>[Signature]</i>			
45	Au assays	8.75	393.75
45	Ag Cu Pb Zn	15.00	675.00
18	Ni	3.50	63.00
45	Sample Handling	3.00	135.00
Cert.#OT-0524-RA1 Sept. 14, 1990 Cert.#OT-0525-RA1 Sept. 13, 1990			
Sub-total			2630.25
-10%			263.03
TOTAL			\$2367.22

FACTURE/INVOICE ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
 ESTABLISHED 1928



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Page 1 of 2

0T-0524-RA1

Assay Certificate

Company: HUBACHECK CONSULTANTS
Project: R-90
Attn: D. CHRISTIE

Date: SEP-14-90
Copy 1. FAX 416-364-5384
2. 141 ADELAIDE ST. W. SUITE 603, TORONTO

We hereby certify the following Assay of 46 CORE samples submitted SEP-10-90 by .

DDH R-90-3 KK

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
8170 ✓	0.02		0.1	12	97	17	129
8171 ✓	0.03	0.03	0.1	20	36	80	188
8172 ✓	0.03		0.1	8	23	22	127
8173 ✓	0.01		0.2	14	51	14	133
8174 ✓	Nil		0.1	11	65	10	93
8175 ✓	Nil		0.1	22	56	4	130
8176 ✓	Nil		0.1	25	74	8	147
8177 ✓	Nil		0.1	18	37	4	104
8178 ✓	Nil		0.1	18	32	3	129
8179 ✓	Nil		0.1	45	68	1	219
8180 ✓	Nil	Nil	0.1	59	79	2	205
8181 ✓	Nil		0.1	83	79	2	194
8182 ✓	Nil		0.3	7		1	106
8183 ✓	Nil		0.1	22		1	148
8184 ✓	Nil		0.1	19		1	147
8185 ✓	0.01		0.1	18		1	129
8186 ✓	Nil		0.1	23		3	104
8187 ✓	0.01	0.01	0.1	19		1	89
8188 ✓	Nil		0.1	17		1	90
8189 ✓	Nil		0.1	22		1	100
8190 ✓	Nil		0.4	69	29	5	73
8191 ✓	0.01		0.3	146	20	3	131
8192 ✓	0.01		0.2	32	23	1	104
8193 ✓	Nil		0.1	47	28	1	77
8194 ✓	Nil		0.1	10	52	1	36
8195 ✓	Nil		0.1	4	16	1	75
8196 ✓	Nil		0.1	19	29	1	109
8197 ✓	Nil		0.1	22	30	1	92
8198 ✓	Nil		0.1	13	19	1	110
8199 ✓	Nil		0.1	25	16	1	95

Certified by G. Lebel
G. Lebel / Manager



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Page 2 of 2 /

0T-0524-RA1

Assay Certificate

Date: SEP-14-90


Company: HUBACHECK CONSULTANTS
Project: R-90
Attn: D. CHRISTIE

Copy 1. FAX 416-364-5384
2. 141 ADELAIDE ST. W. SUITE 603, TORONTO

We hereby certify the following Assay of 46 CORE samples submitted SEP-10-90 by .

R-90-3

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
8200 ✓	0.01		0.1	6	16	1	127
8201 ✓	Nil		0.1	12	14	1	112
8202 ✓	Nil		0.1	2	39	1	60
8203 ✓	0.02	0.01	0.1	1	27	1	106
8204 ✓	Nil		0.1	1	20	1	96
8205 ✓	0.03		0.1	3	29	2	85
8206 ✓	0.02		0.1	4	40	2	78
8207 ✓	Nil		0.1	4	31	3	57
8208 ✓	0.01		0.1	28	37	1	131
8209 ✓	Nil		0.1	25	39	1	106
8210 ✓	Nil		0.1	41	40	2	215
8211 ✓	0.02	0.01	0.1	89	67	2	172
8212 ✓	0.01		0.1	90	61	1	183
8213 ✓	Nil		0.1	87	57	1	177
8214 ✓	Nil		0.1	103	63	1	111
8215 ✓	0.01		0.1	107	61	1	118

Certified by 
G. Lebel / Manager



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Page 1 of 2

0T-0525-RA1

Assay Certificate

Company: HUBACHECK CONSULTANTS
Project: R-90
Attn: D. CHRISTIE

Date: SEP-13-90

Copy 1. FAX TO 416-364-5384
2. 141 ADELAIDE ST. W. SUITE 603, TORONTO

We hereby certify the following Assay of 45 CORE samples submitted SEP-10-90 by .

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
8216 ✓	0.02		0.1	85	42	1	79
8217 ✓	Nil		0.1	105	41	1	104
8218 ✓	Nil		0.1	117	50	19	136
8219 ✓	0.02		0.1	92	42	2	138
8220 ✓	Nil		0.1	104	48	3	198
8221 ✓	Nil		0.1	98	46	4	146
8222 ✓	Nil	Nil	0.1	82	43	4	129
8223 ✓	Nil		0.1	92	40	1	93
8224 ✓	Nil		0.1	76	41	7	101
8225 ✓	Nil		0.1	73	171	1	110
8226 ✓	Nil		0.1	84	172	1	101
8227 ✓	0.01		0.1	80	155	1	93
8228 ✓	Nil		0.1	109	160	1	103
8229 ✓	Nil		0.1	73	155	1	115
8230 ✓	Nil		0.1	198	149	1	87
8231 ✓	0.05		0.1	97	165	1	89
8232 ✓	Nil		0.1	74	179	1	73
8233 ✓	Nil		0.1	68	134	1	67
8234 ✓	Nil		0.1	9		1	49
8235 ✓	Nil		0.1	13		1	68
8236 ✓	Nil		0.1	9		2	140
8237 ✓	Nil		0.1	46		1	119
8238 ✓	Nil	Nil	0.2	81		4	180
8239 ✓	Nil		0.1	73		1	176
8240 ✓	Nil		0.1	71		1	172
8241 ✓	Nil		0.1	63		1	184
8242 ✓	Nil		0.1	74		1	168
8243 ✓	0.01		0.1	87		1	192
8244 ✓	Nil		0.1	66		1	153
8245 ✓	Nil		0.1	73		1	175

Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300



Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

Established 1928

Page 2 of 2

0T-0525-RA1

Assay Certificate

Company: **HUBACHECK CONSULTANTS**
Project: **R-90**
Attn: **D. CHRISTIE**

Date: **SEP-13-90.**

Copy 1. FAX TO 416-364-5384
2. 141 ADELAIDE ST. W. SUITE 603, TORONTO

We hereby certify the following Assay of 45 CORE samples submitted SEP-10-90 by .

Sample Number	Au g/tonne	Au check g/tonne	Ag ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
8246 ✓	Nil		0.1	73		2	213
8247 ✓	Nil		0.1	65		1	78
8248 ✓	Nil	Nil	0.1	73		3	209
8249 ✓	Nil		0.1	81		7	213
8250 ✓	Nil		0.1	67		1	105
8251 ✓	Nil		0.1	78		1	127
8252 ✓	Nil		0.1	69		1	149
8253 ✓	Nil		0.1	125		1	160
8254 ✓	Nil		0.1	72		1	193
8255 ✓	Nil		0.1	31		1	112
8256 ✓	Nil		0.1	64		1	144
8257 ✓	0.01		0.1	75		1	163
8258 ✓	Nil	Nil	0.1	78		1	149
8259 ✓	Nil		0.1	76		1	165
8260 ✓	Nil		0.1	75		1	152

R-90-5

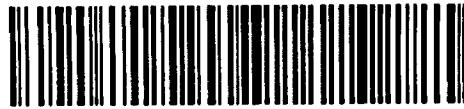
Certified by

G. Lebel / Manager

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300



Ontario



42A14SW0130 2.14006 REID

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
159 Cedar Street, 4th Floor
Sudbury, Ontario
P3E 6A5

Telephone: (705) 670-7264
Fax: (705) 670-7262

Your File: W. 9106.02
Our File: 2.14006

June 7, 1991

Mining Recorder
Ministry of Northern Development
and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir/Madam:

RE: Notice of Intent dated May 7, 1991 for Expenditures on
Mining Claims P. 952139 et al. in the Townships of Reid
and Mahaffy.

The assessment work credits, as listed with the above-mentioned
Notice of Intent have been approved as of the above date.

Please inform the recorded holder of these mining claims and so
indicate on your records.

Yours sincerely,

Ron. C. Gashinski,
Provincial Manager, Mining Lands
Mines & Minerals Division

CDS
CDS/jl

Enclosures:

cc: Comstate Resources Ltd.
Calgary, Alberta

Swastika Laboratories
Swastika, Ontario

Assessment Files Office
Toronto, ON

Resident Geologist
Timmins, ON



Recorded Holder
Comstate Resources Ltd.

Township or Area
Reid & Mahaffy

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	\$5203.11 spent on assaying samples taken from Mining Claims: P.952139-140 997446 1027181-182 1029120 1029123 1029154 1029704
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	346.9 days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act R.S.O. 1980.
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (18) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 80.



Instructions

- Please type or print.
- Refer to Subsection 77(19), the Mining Act for assessment work requirements and maximum credits allowed under this Subsection.
- Technical Reports, maps and proof of expenditures in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch.

Report of Work
Mining Act (Expenditures, Subsection 77(19))

Type of Work Performed (DRILL CORE) GEOCHEMICAL ROCK ASSAYS + WHOLE ROCK ANAL.	Mining Division PORCUPINE	Township or Area REID + MAHAFFY TWPS.
Recorded Holder COMSTATE RESOURCES LTD.	2.14006	Prospector's Licence No. T-1127
Address 901, 1015 4th ST. S.W; CALGARY, ALBERTA T2R 1J4		Telephone No. 403-265-6973
Work Performed By SWASTIKA LABORATORIES; SWASTIKA, ONT.		
Name and Address of Author (of Submission) K.M. CUNNISON APT. #2, 17 DEANE ST. LONDON, ONT N6C 3L1		Date When Work was Performed From: 4 9 90 To: 30 10 90 Day Mo. Yr. Day Mo. Yr.

All the work was performed on Mining Claim(s): Indicate no. of days performed on each claim. *See Note No. 1 on reverse side		Mining Claim P.952139	No. of Days 86.32	Mining Claim P.952140	No. of Days 110.70	Mining Claim P.997446	No. of Days 84.2	Mining Claim P1027181	No. of Days 32.49
Mining Claim P1027182	No. of Days 68.97	Mining Claim P1029120	No. of Days 8.85	Mining Claim P1029123	No. of Days 3.21	Mining Claim P1029154	No. of Days 32.10	Mining Claim P1029704	No. of Days 13.11
Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days	Mining Claim	No. of Days

Instructions Total days credits may be distributed at claim holder's choice. Enter number of days credits per claim in the expenditure days credit column (below).	Calculation of Expenditure Days Credits		Total Number of Mining Claims Covered by this Report of Work
	Total Expenditures \$ 5,462.52	÷ 15 =	Total Days Credits 364.17
			9

Mining Claims (List in numerical sequence). If space is insufficient, attach schedules with required information

Mining Claim Prefix	Number	Expend. Days Cr.	Mining Claim Prefix	Number	Expend. Days Cr.	Mining Claim Prefix	Number	Expend. Days Cr.	Mining Claim Prefix	Number	Expend. Days Cr.
1	952135	21.2		952144	40						
	952136	40									
	952137	40									
	952138	40									
	952139	40									
	952140	40									
	952141	40									
	952143	40									

RECEIVED
FEB 11 1991
MINING LANDS SECTION

RECORDED
JAN 18 1991

Total Number of Days Performed 364.1 days	Total Number of Days Claimed 341.2 days	Total Number of Days to be Claimed at a Future Date 22.9 days
---	---	---

Certification of Beneficial Interest *See Note No. 2 on reverse side

I hereby certify that, at the time the work was performed, the claims covered in this report of work were recorded in the current recorded holder's name or held under a beneficial interest by the current recorded holder.	Date January 14, 1991	Recorded Holder or Agent (Signature) Kimberly M. Cunnison
--	---------------------------------	---

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.		
Name and Address of Person Certifying KIMBERLY M. CUNNISON APT. #2 17 DEANE ST. LONDON ONT. N6C 3L1		
Telephone No. 519-432-6936	Date January 14, 1991	Certified By (Signature) Kimberly M. Cunnison

For Office Use Only

Total Days Cr. Recorded 364.17	Date Recorded JAN. 18th /91	Mining Recorder Robert Bailey
	Date Approved as Recorded	Provincial Manager, Mining Lands

Received Stamp

RECEIVED
JAN 18 1991
714524

"SEE REVISED WORK STATEMENT"

MAHAFFY TOWNSHIP

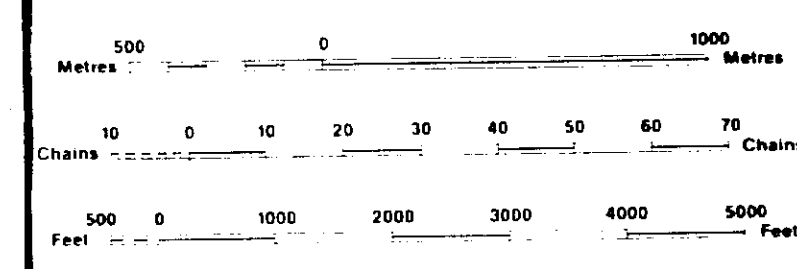
LEGEND

- HIGHWAY AND ROUTE No
- OTHER ROADS
- TRAILS
- SURVEYED LINES
- TOWNSHIPS, BASE LINES, ETC
- LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES
- LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
SURFACE RIGHTS ONLY	○
MINING RIGHTS ONLY	○
LEASE, SURFACE & MINING RIGHTS	■
SURFACE RIGHTS ONLY	■
MINING RIGHTS ONLY	■
LICENCE OF OCCUPATION	○
ORDER IN COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊙
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

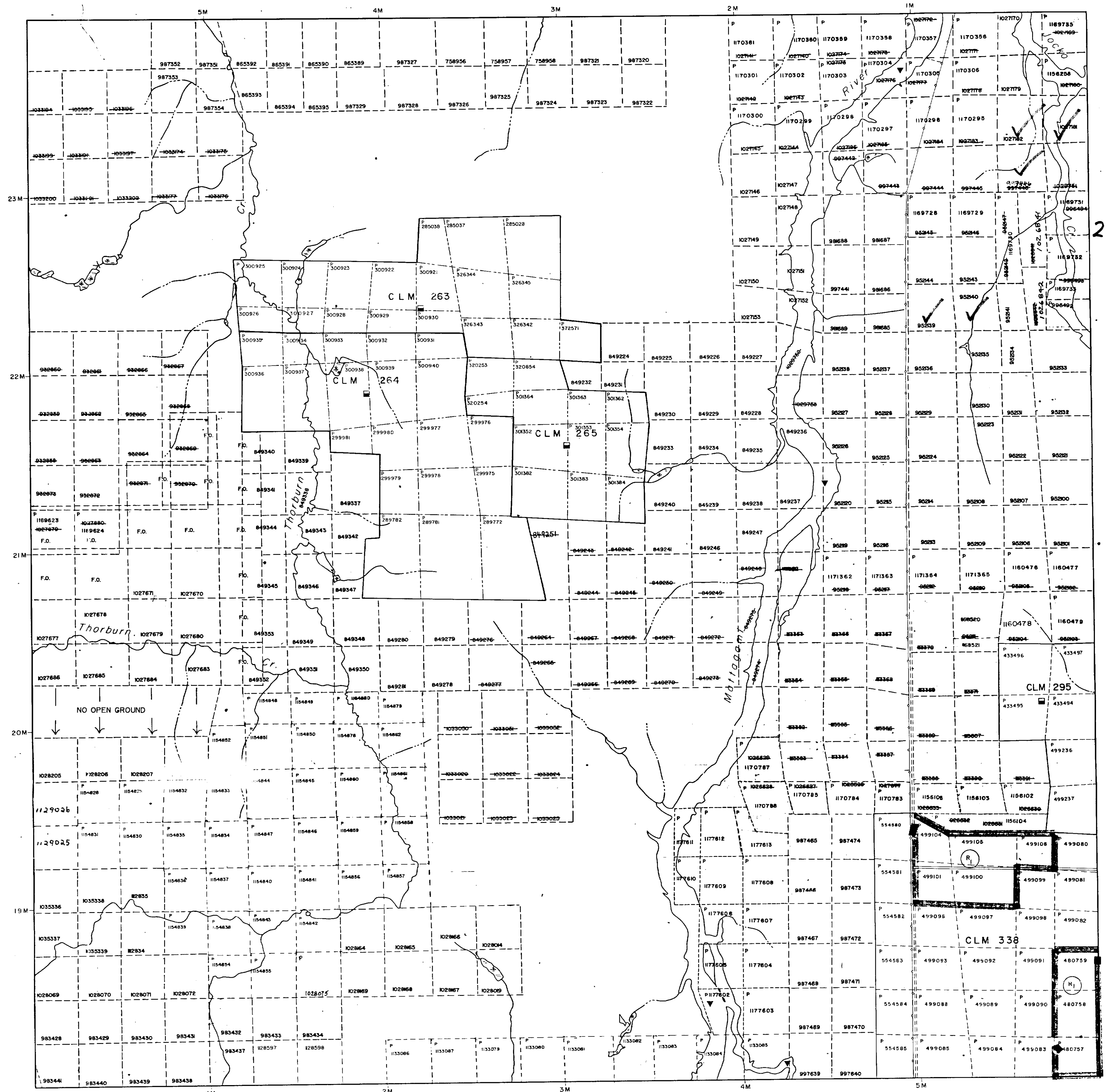


SCALE 1:20 000

2.14006

CARNegie TOWNSHIP

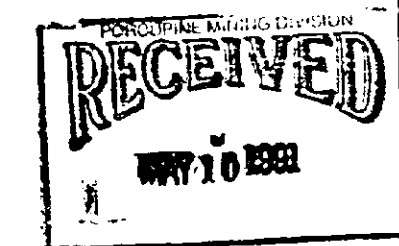
THORBURN TOWNSHIP



MACDIARMID TOWNSHIP



42A143W138 2.14006 REID



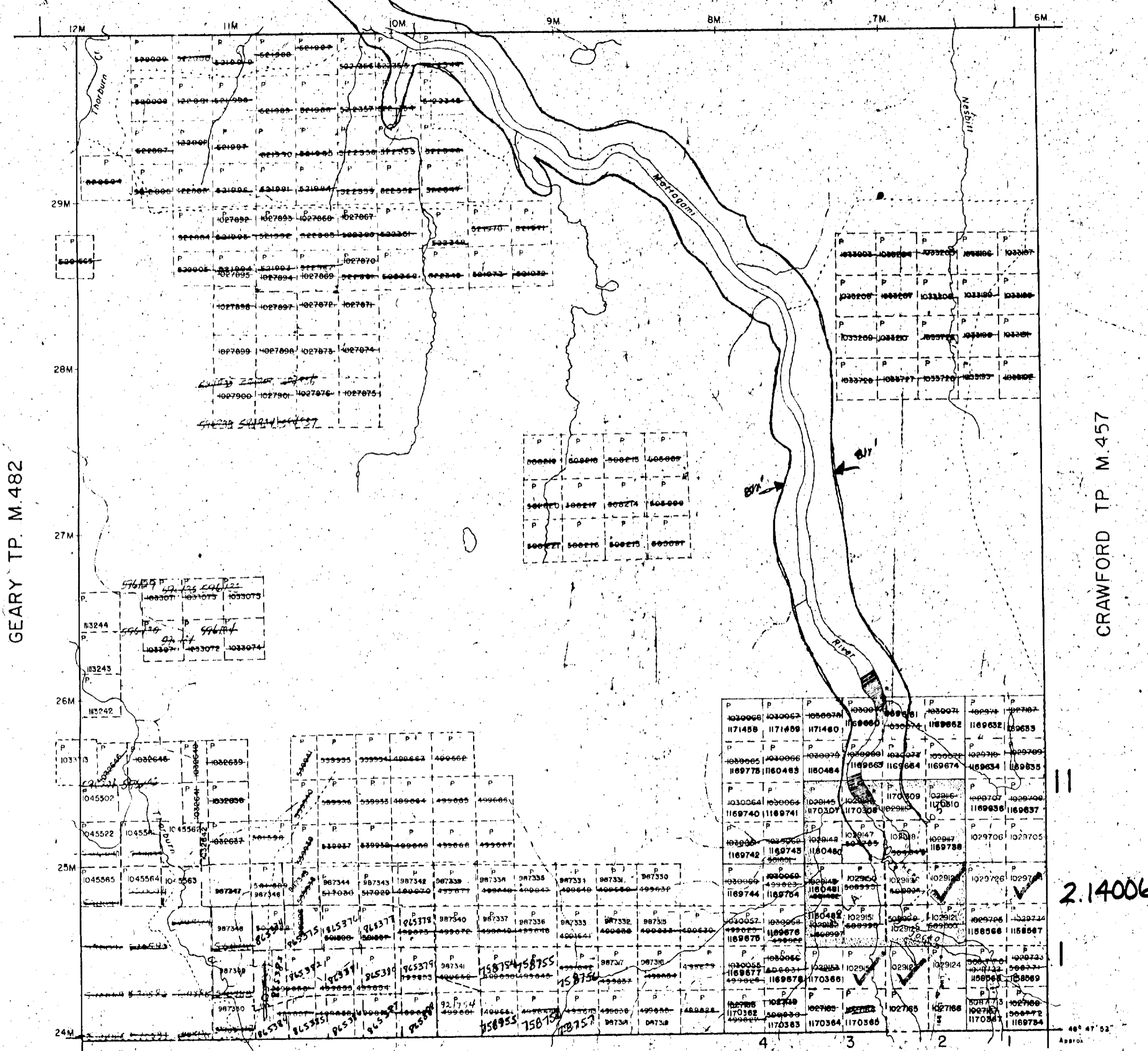
TOWNSHIP
REID
 M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
 MINING DIVISION
PORCUPINE
 LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources Ontario
 Ministry of Northern Development and Mines

Date: SEPTEMBER, 1986
 PLACED IN ACTIVE FILE: MAY 24 1985 D.C.
 Number: **G-3966**

CHECKED BY:

AUBIN TP. M.407



GEARY TP. M.482

CRAWFORD TP. M.457

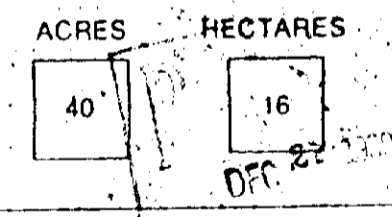
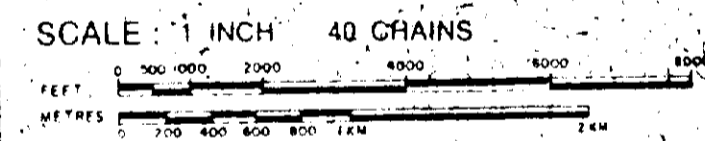
REID TP. M.575

LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS.
- TRAILS.
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS, ETC.
- RAILWAY AND RIGHT OF WAY.
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES

DISPOSITION OF CROWN LANDS

- | TYPE OF DOCUMENT | SYMBOL |
|--------------------------------|--------|
| PATENT SURFACE & MINING RIGHTS | |
| SURFACE RIGHTS ONLY | |
| MINING RIGHTS ONLY | |
| LEASE SURFACE & MINING RIGHTS | |
| SURFACE RIGHTS ONLY | |
| MINING RIGHTS ONLY | |
| LICENCE OF OCCUPATION | |
| CROWN LAND SALE | |
| ORDER-IN-COUNCIL | |
| RESERVATION | |
| CANCELLED | |
| SAND & GRAVEL | |
| L.U.P. | |



TOWNSHIP

MAHAFFY

DISTRICT

COCHRANE

MINING DIVISION

PORCUPINE

Received May 8/80

Ministry of Natural Resources

Ontario Surveys and Mapping Branch

Date: MAY 3, 1973

Plan No. M.540

Whitney Block
 Queen's Park, Toronto

2.14006

