



**COMAPLEX MINERALS CORP**  
**Report on Channel Sampling**  
**N1/2, Lot 8, Concession IV**  
**Mountjoy Township, Timmins Ontario**

**September, 2009**

**Dale R. Pyke**

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**Comaplex Minerals Corp**  
**Report on Channel Sampling**  
**N1/2, Lot 8, Concession IV**  
**Mountjoy Township, Timmins Area**

Location and Access

The property, 6 km northwest of the Timmins City Centre (Figure 1), is located in Lot 8, Concessions IV and V, Mountjoy Township.

Comaplex Minerals Corp is the owner of the mining rights on the patented half-lot comprising the N1/2, Lot 8, Conc IV and the contiguous 2-unit mining claim 4212590 to the north and the contiguous 2 claims (568931 and 568934) to the south (Figure 2).

The property is readily accessed via the Sandy Falls road.

Previous reports on the property by the claim owners have described the general geology (Timmins Assessment Files T-2359 and T-2526).

General Discussion

The main focus of interest in the Mountjoy property is centered in the N1/2 of Lot 8, Conc 4, where immediately to the south in claim 568931 (Figure 3), a gold occurrence was first reported by Mineral Estates in the early 1930's (File T-27). Prospecting, trenching and geophysics by Mineral Estates led to the drilling of 4 diamond drill holes. The best assay reported from the drilling was 0.08 oz/ton over a two foot width of fine grained massive pyrite. This formed part of a disseminated (3-5 percent) pyrite zone 30 feet in width in carbonatized volcanic rocks, over which eleven samples (generally 3 foot widths) averaged 0.03 ounces of gold per ton. Subsequently there was no work reported on the property till 1964 when Hollinger Consolidated Gold Mines drilled 2 holes near the reported gold values; no assays were reported. In 1974, Kerr Addison Mines Limited undertook a large exploration program in the north half of Mountjoy Township. What is important from their work is that within the immediate area of interest they documented: 1) the widespread intrusion of quartz-feldspar porphyry, with perhaps two areas underlain by stocks comparable in size to porphyries in the Timmins gold camp, and 2) pervasive carbonatization in which indicator (path finder) minerals for gold, other than pyrite, are present (arsenopyrite, tourmaline). Comaplex Minerals acquired the property in 1980-81, and since that time only minor drilling has been undertaken by options to third parties during the period 1983-86. All this drilling was peripheral to the main area of interest, with the exception of drill holes MJ-03 and MJ-06 by Zahaffy Mines (George, 1986) (Figure 3). None of the holes drilled returned any gold values of interest. In 1997-98, Comaplex Minerals undertook a ground

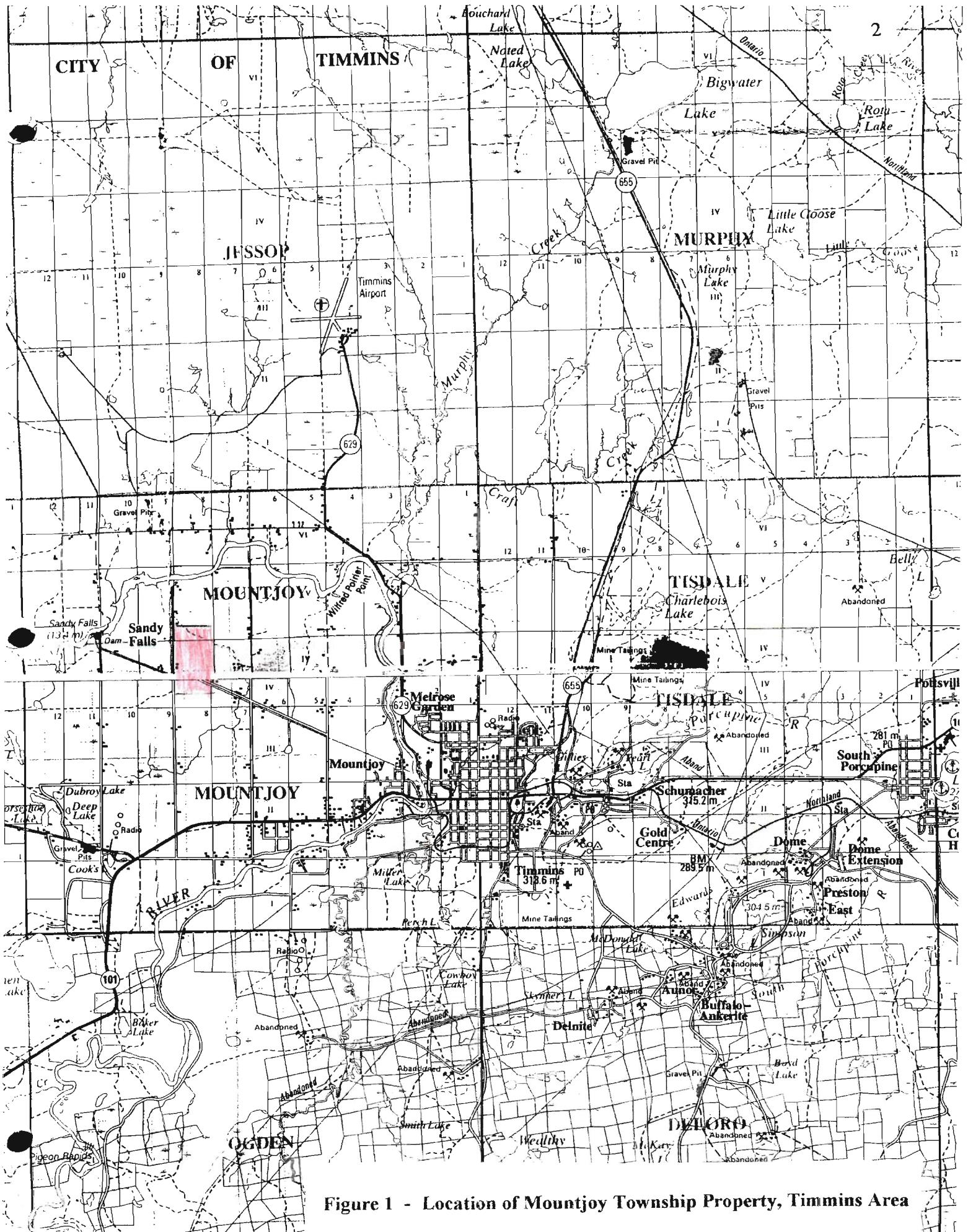


Figure 1 - Location of Mountjoy Township Property, Timmins Area

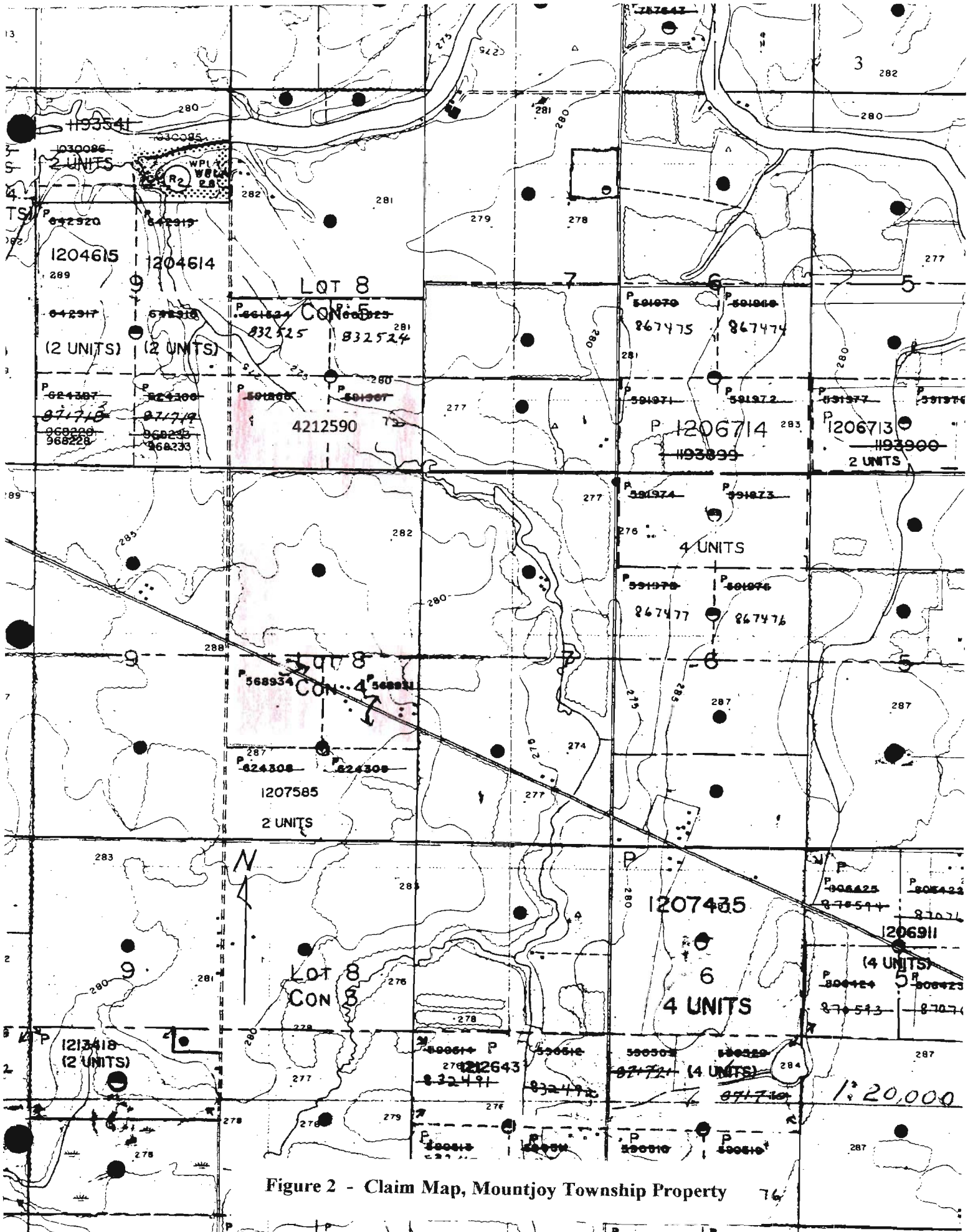


Figure 2 - Claim Map, Mountjoy Township Property 76

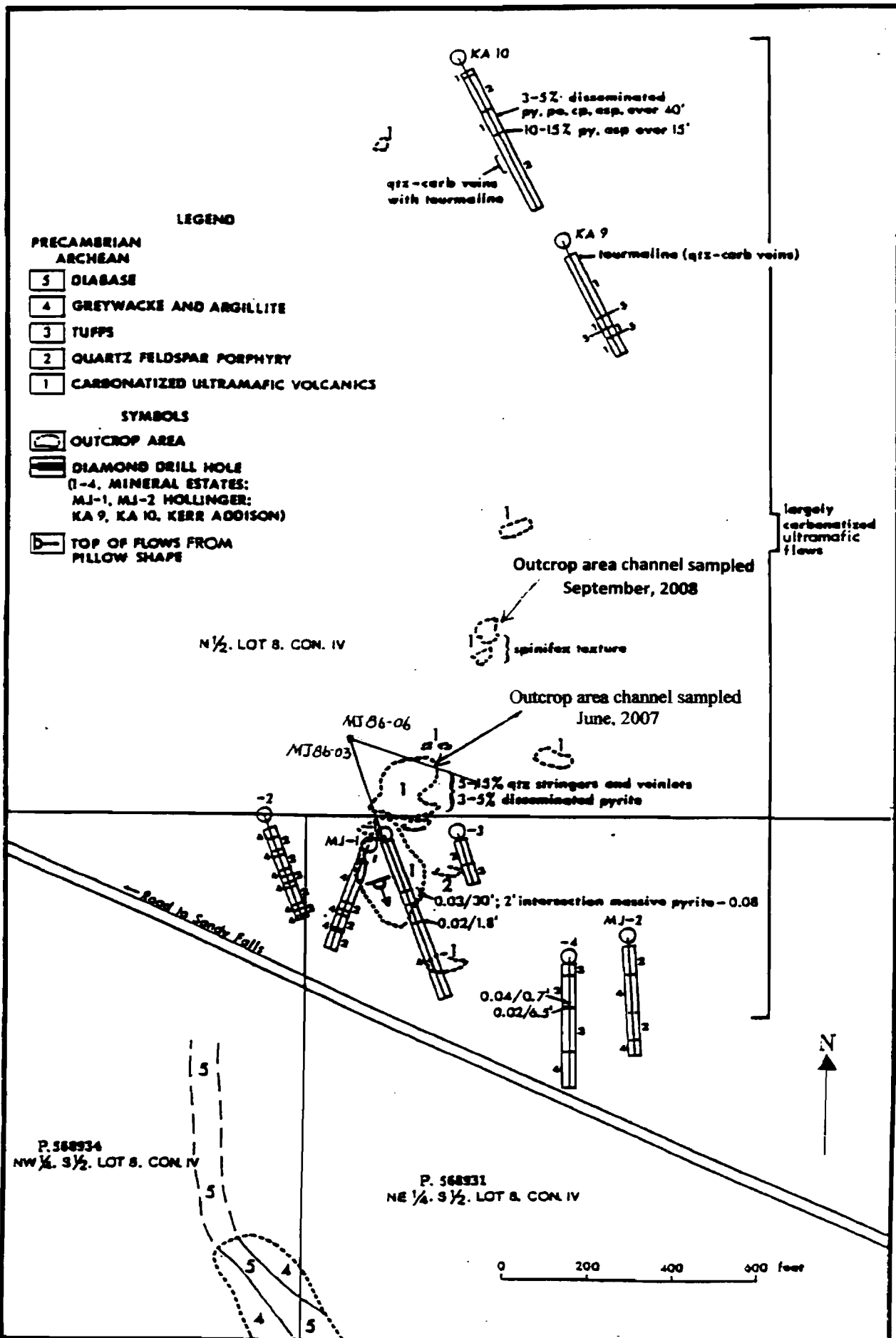
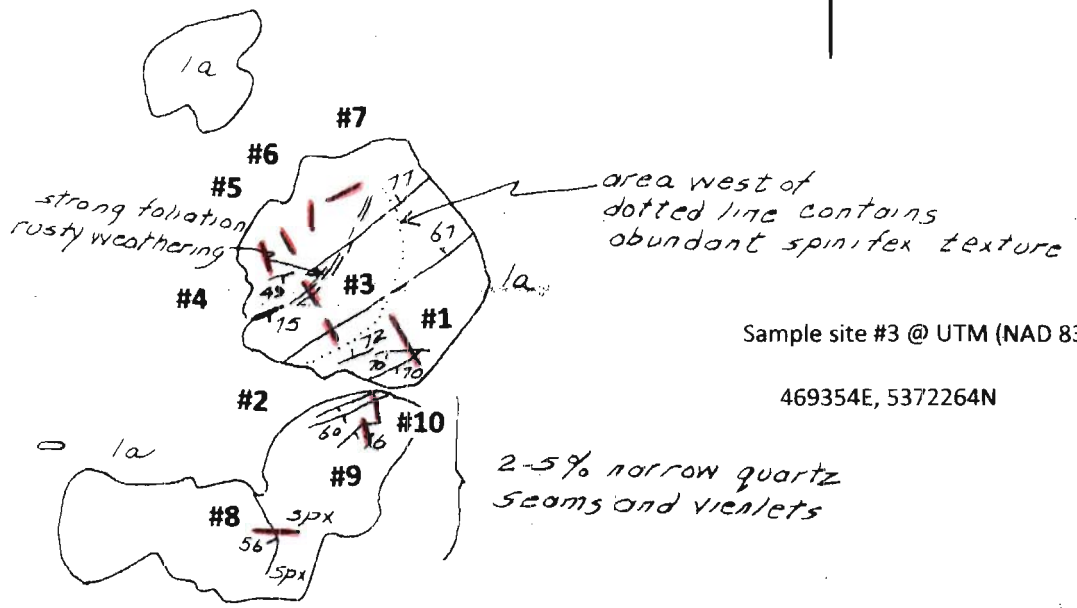


Figure 3 - GEOLOGY AND LOCATION OF PREVIOUS DIAMOND DRILL HOLES IN AREA OF OUTCROP ON LOT 8, CON. IV, MOUNTJOY TOWNSHIP. Modified from Beaton (1983)



Sample site #3 @ UTM (NAD 83)  
469354E, 5372264N

**SYMBOLS**

	Quartz vein (dip known, unknown)
	Outcrop
	Site # of channel sample location



**LEGEND**

<p>Archean</p> <p>1a Ultramafic volcanic (basaltic and peridotitic komatiites)</p> <p>Spx – spinifex texture</p>
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**N1/2, LOT 8, CONCESSION 1V**

**Scale 1 inch = 40 feet**

**Figure 4** Geology and location of channel sampling in outcrop area in N1/2, Lot 8, Concession IV, Mountjoy Township. See Assessment File 2.15099 (Comaplex Minerals Corp) for complete map and legend.



magnetic and IP survey (Londry, 1998) over the area of interest and defined untested IP targets within the carbonatized komatiites in the N1/2 of Lot 8, Conc 4. One of these targets is close to an area where Kerr Addison (ddh KA-10; see Figure 3) reported significant arsenopyrite and tourmaline mineralization.

The general geological setting on the Mountjoy property appears to have many similarities to areas of known mineralization in the main Timmins camp; ie – pervasive carbonatization of mafic- ultramafic volcanic rocks, significant intrusions of quartz-feldspar porphyry and an unconformable contact separating the volcanic – sedimentary rocks in the south part of the property.

### Present Survey

The rock channels presented in this survey were cut in mid-May of 2007, in conjunction with the sawing and sampling of the large outcrop area at the south boundary of the patented half- lot (Figure 3 and Assessment File – T- ). The current sampling of the previously cut channels on the outcrop area for this report (Figure 3) was undertaken by D. Pyke on September 1 and 2, 2008. In total, 27 samples were removed, averaging approximately 39 cm in length. Typically each sample is 2.5 - 3 cm in width and 9-10 cm in depth. Details of the channels and samples are given in Table 1. Each sample location is marked by an aluminum tag on which the appropriate sample number is ascribed. A concrete nail affixes the tag to the outcrop.

The entire outcrop area sampled consists of highly carbonatized and commonly spinifex textured komatiitic flows (Figure 4, Photo 3). In a well exposed area on the top of the most northerly sampled outcrop the variation in the size of the spinifex texture together with the presence of a flow contact indicates tops are to the southwest (Photo 1 and 2). Minor 1-3 cm wide quartz ankerite veins locally contain sparse pyrite and trace arsenopyrite. Minor irregular quartz-ankerite pods/lenses to 50 cm in width (Photo 4) display crack-seal structure as well as fuchsitic margins and inclusions (Photo 5 and 6).

All the samples were submitted to Activation Laboratories (Actlabs) in Ancaster, Ontario. All the samples were analysed for gold (ppb). In addition a 37 multi – element analysis was done on 3 selected samples. Two samples were analysed separately for Pt, Pd and Au. One of the samples (8468) was from the outcrop are to the south that was sampled in 2007.

**TABLE 1. Summary of 2008 Channel Sampling, Mountjoy Township Property, Comaplex Minerals Corp.**

<u>Channel Site</u>	<u>Channel Orientation</u>	<u>Sample Nos. from Channel Site</u>	<u>Total Channel Length</u>
1	330°	2151 - 2157 *	283 cm
2	334°	2158	47 cm
3	333°	2159	49 cm
4	345°	2160 - 2162	125 cm
5	320°	2163 - 2165	77 cm
6	357°	2166 - 2168	91 cm
7	046°	2169 - 2170	88 cm
8	087°	2171 - 2172 **	86 cm
9	330°	2173 - 2175	128 cm
10	340°	2176 - 2177	87 cm
<b>TOTAL SAMPLES TAKEN : 27</b>			<b>TOTAL SAWN : 1,061 cms</b>

\* North trending channels were sampled from south to north.

\*\* West trending channels were sampled from east to west.

<u>Channel Site</u>	<u>Sample No.</u>	<u>Sample Length</u>	<u>Sample Description</u>
1	2151	38 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange-brown weathering rind, irregularly fractured (polysutured).
	2152	40 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange-brown weathering rind, irregularly fractured (polysutured). Sample interval contains 20% narrow (<0.5 cm) folded quartz veinlets.
	2153	34 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange-brown weathering rind, irregularly fractured (polysutured) with minor spinifex. Minor narrow, pale grey carbonate veinlets.
	2154	43 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind. Sample interval contains one 3.5 cm wide white quartz vein trending at 54°/50°SE.
	2155	53 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind. Sample interval contains one 1.0 cm wide quartz vein in middle of sample.
	2156	42 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey with weak green (fuchsitic) hue on the fresh surface, with a 1 cm thick orange brown weathering rind. Minor quartz stringers near north end of sample interval.
	2157	33 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind. No veining in sample interval.
2	2158	47 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind. Sample interval contains one 3.0 cm quartz vein in middle of sample.
3	2159	49 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, well developed spinifex texture on weathered and sawn surfaces. Sample interval contains two, 2-3 cm wide, white quartz veins trending at 62°. Spinifex may indicate stratigraphic tops to the west?
4	2160	29 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface.

**TABLE 2. 2008 Channel Sample Descriptions, Mountjoy Township Property, Comaplex Minerals Corp.**

<u>Channel Site</u>	<u>Sample No.</u>	<u>Sample Length</u>	<u>Sample Description</u>
	2161	53 cm	Sample interval contains a 45 cm wide, white quartz-carbonate (ankerite?) vein trending at 52°. The vein displays well developed, vein-parallel, crack-seal structures, and cuts highly carbonatized ultramafic metavolcanic (komatiite). Wallrock inclusions and margins to the vein are green carbonate (weakly-moderately fuchsitic).
	2162	43 cm	Ultramafic metavolcanic (komatiite), highly carbonatized. The sample is small (<0.4 kilograms).
5	2163	21 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind.
	2164	30 cm	Sample interval contains a 20 cm wide, white, quartz-carbonate vein with common vein-parallel crack-seal structures, trending at 52°. This vein is the eastern extension of the vein contained in sample 2161. The vein cuts highly carbonatized ultramafic metavolcanics, brown-grey on the fresh surface and locally displaying a weak-moderate green fuchsitic hue.
	2165	26 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind.
6	2166	30 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, dark grey on fresh surface with 1 cm thick orange brown weathering rind.
	2167	23 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, trace pyrite. Sample interval contains three quartz-carbonate (ankerite) veinlets (all < 1 cm wide) trending at 87°. Highly altered wallrock adjacent to veins locally has a green fuchsitic colour.
	2168	38 cm	Quartz veined ultramafic metavolcanic (komatiite), highly carbonatized; minor green carbonate at vein margins. Sample interval contains a 27 cm wide, white quartz-carbonate (ankerite?) vein with minor fuchsite at vein margins and along wallrock inclusions. Vein displays common vein-parallel crack-seal structures, trending at 87°. South vein margin dips steep north; north vein margin is irregular and dips 70° - 45° south.
7	2169	37 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, minor spinifex, with trace sulphides. Sample interval contains one 5 cm wide white quartz-carbonate vein trending at 90° and dipping 45° - 50° south. Vein margins and interior crack-seal "slips" are weakly-moderately fuchsitic. Sample contains several 1 mm sized pyrite grains (one of which may be chalcopyrite).

**TABLE 2. 2008 Channel Sample Descriptions, Mountjoy Township Property, Comaplex Minerals Corp.**

<u>Channel Site</u>	<u>Sample No.</u>	<u>Sample Length</u>	<u>Sample Description</u>
	2170	51 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, with trace sulphides. Sample interval contains one 5 cm wide white quartz-ankerite vein trending at 90°, with 0.5% fine pyrite + arsenopyrite at vein margins. Sample interval also contains one 0.75 cm wide, highly folded quartz-carbonate vein trending 85°.
8	2171	43 cm	Ultramafic metavolcanic (komatiite), highly carbonatized. Minor quartz blebs (parts of veins) averaging 1 cm x 3 cm in size.
	2172	43 cm	Highly carbonatized ultramafic volcanic. Sample interval contains one 6 cm wide quartz vein, with well developed crack-seal structures, trending at 166°/70° W. Vein occurs close to west end of this channel sample. Minor fuchsite in vein along crack-seal slips.
9	2173	42 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, medium to dark grey on fresh surface with 0.5 cm thick orange brown weathering rind. Sample interval contains a 1 cm wide folded quartz vein and trace very fine pyrite.
	2174	35 cm	Ultramafic metavolcanic (komatiite), polysutured, highly carbonatized. Sample interval contains a 4 cm wide vertical shear zone of light grey, finely ribboned carbonate with trace fine pyrite. Also within the sample interval is a 2 cm wide, weakly folded quartz vein trending 60°/80°SE. Vein has minor carbonate (ankerite) at margins.
	2175	51 cm	Ultramafic metavolcanic (komatiite); polysutured, highly carbonatized. No veining in sample, but trace pyrite in minor narrow microshears of carbonate + quartz.
10	2176	44 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, medium to dark grey on fresh surface. Sample interval contains one vertically dipping, 2 cm wide quartz vein with no visible sulphide. Minor incipient shears of quartz-carbonate.
	2177	43 cm	Ultramafic metavolcanic (komatiite), highly carbonatized, medium to dark grey on fresh surface. Sample interval contains one 1.5 cm wide quartz vein. A 7 cm wide zone of weak shearing and stronger carbonate alteration occurs within the sample and dips at 45°

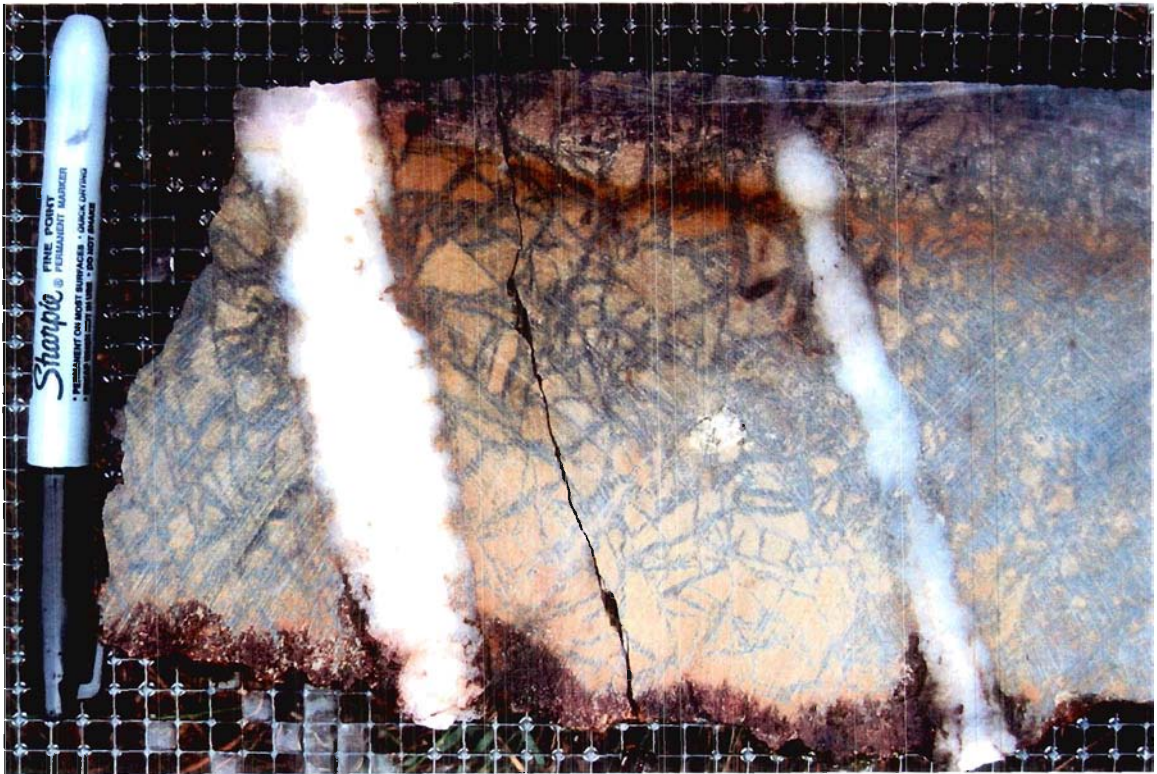
**TABLE 2. 2008 Channel Sample Descriptions, Mountjoy Township Property, Comaplex Minerals Corp.**



**Photo 1.** Carbonatized ultramafic flow with well-developed spinifex. Polysutured, non-spinifex textured base of overlying flow forms the extreme right edge of the photo. The whisk is 22 cm in length and the handle points southwest. UTM 469359E, 5372267N.



**Photo 2.** Close-up view of Photo 1 spinifexed-textured flow in contact with base of the overlying flow. UTM 469359E, 5372267N.



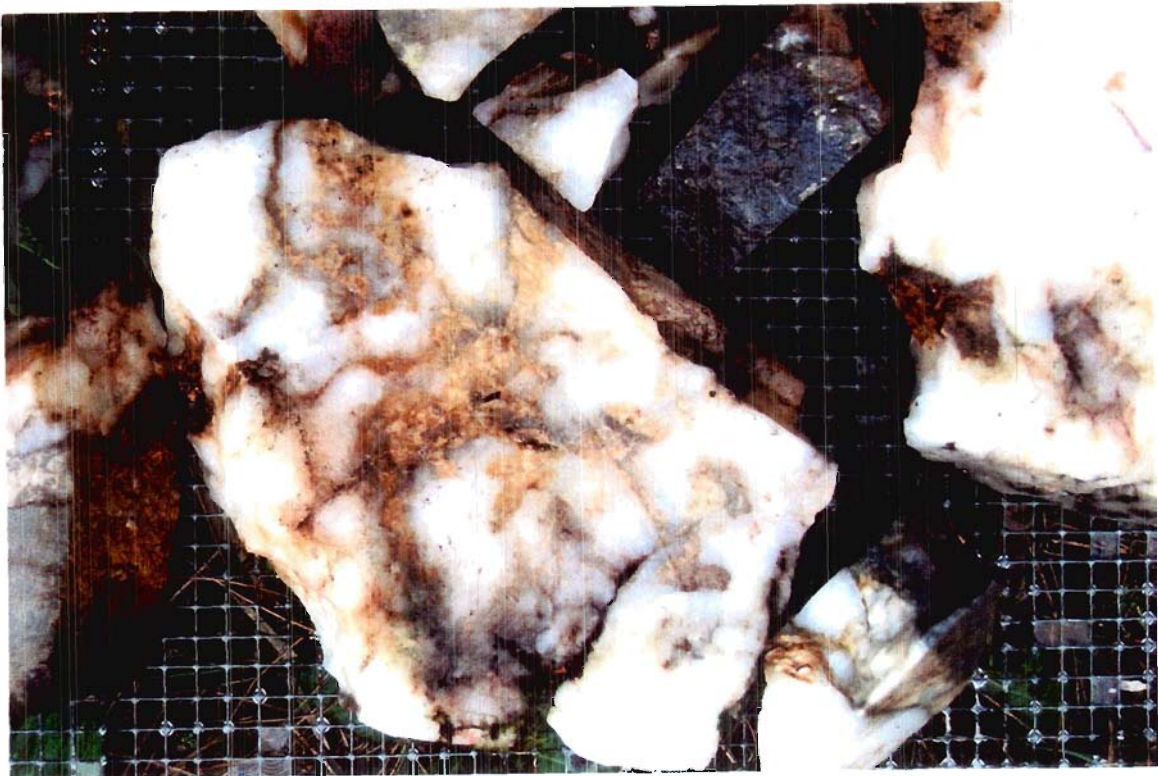
**Photo 3.** Quartz-ankerite veins cutting carbonatized spinifex-textured ultramafic flow. The widest quartz vein is 2 cm. Specimen from channel sample 2159 at site #3. UTM 469351E, 5372264N.



**Photo 4.** Zone of strong, irregular quartz-ankerite veining within carbonatized ultramafic flow. Quartz lenses trend at  $60^\circ$ . View is looking southwest. Channel sample site #4.



**Photo 5.** Quartz-ankerite veining in channel sample 2161, site #4. The 45 cm wide quartz-ankerite vein trends at 52°, and cuts highly carbonatized ultramafic flows. The vein displays well-developed vein parallel crack-seal structures. Wallrock inclusions and margins to the vein are “green carbonate” (weakly-moderately fuchsitic).



**Photo 6.** Close-up view of Photo 5 showing abundant buff brown ankerite and vein parallel crack-seal structures in quartz-ankerite veining. Sample 2161, site #4.



### Survey Results

No significant assays or assays of interest were found in the survey (see analyses in Appendix). Of the 27 samples analysed, only 8 returned detectable gold, and these ranged from 5 to 11 ppb. Of the 2 samples analysed for Pt and Pd, neither returned elevated values.

### Conclusions and Recommendations

Although the outcrop area sampled is essentially devoid of gold values, the property is still considered to be a viable gold target. As outlined in the general discussion, the geological setting has many key ingredients diagnostic of the main Timmins gold camp. In lieu of diamond drilling the untested IP anomalies outlined by Londry (1998), it is recommended that: 1) additional channel sampling be done on the few remaining outcrops in the northern part of Lot 8 Conc IV (see Figure 3) and 2) an MMI soil sampling survey be conducted over portions of the IP anomalies outlined by Londry (1998).

Sept 11/09

Date

D. R. Pyke

D. R. Pyke

## References

Beaton, W. D.

1983: Report on the properties of Comstate Resources Ltd;  
Unpublished report for Comstate Resources, pp. 53-64

George, P. T.

1986: Summary report 1986 drill program, Timmins project Mountjoy  
Property (Comstate), Porcupine Mining Division, Ontario;  
Assessment File T-2626, 13 p.

Londry, D.

1998: Report on magnetic survey, Mountjoy Township property, Mountjoy  
Township; Assessment File, Timmins office, 13 p.

APPENDIX 1

Assays, Invoice



Invoice No.: **A08-5979**  
 Purchase Order:  
 Invoice Date: **10-Nov-08**  
 Date submitted: **09-Sep-08**  
 Your Reference:  
 GST #: **R121979355**

**Dale Pyke**  
**31 Delair Cresent**  
**Thornhill Ontario L3T 2M3**  
**Canada**

ATTN Dale Pyke

### INVOICE

No. samples	Description	Unit Price	Total
28	RX1-T(TIMMINS)	\$ 10.00	\$ 280.00
27	1A2	\$ 14.75	\$ 398.25
2	1C-Exp	\$ 19.25	\$ 38.50
3	1E3	\$ 12.00	\$ 36.00
		Subtotal: :	<b>\$ 752.75</b>
		GST 5% :	\$ 37.64
		<b>AMOUNT DUE: (CAD) :</b>	<b>\$ 790.39</b>

Net 30 days. 1 1/2 % per month charged on overdue accounts.

The above amount was paid by VISA. Thank you for your payment. Authorization No. 098498. November 11, 2008.

Please reference the invoice number when making a payment by Bank/Wire transfer. Thank you!

**ACTIVATION LABORATORIES LTD.**

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613

E-MAIL [ancaster@actlabsint.com](mailto:ancaster@actlabsint.com) ACTLABS GROUP WEBSITE <http://www.actlabsint.com>



Date Submitted: 09-Sep-08  
Invoice No.: A08-5979  
Invoice Date: 06-Nov-08  
Your Reference:

Dale Pyke  
31 Delair Crescent  
Thornhill Ontario L3T 2M3

ATTN: Dale Pyke

## CERTIFICATE OF ANALYSIS

28 Rock samples were submitted for analysis.

The following analytical packages were requested: Code 1C-Exp Fire Assay-ICP/MS  
Code 1A2 Au - Fire Assay AA  
REPORT A08-5979 Code 1E3 Aqua Regia ICP(AQUAGEO)

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3  
Values which exceed the upper limit should be assayed for accurate numbers.  
We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva", written over a horizontal line.

Elitsa Hrischeva, Ph.D.  
Quality Control

ACTIVATION LABORATORIES LTD.

Activation Laboratories Ltd. Report: A08-5979

Analyte Symbol	Au	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Detection Limit	5	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Analysis Method	FA-AA	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2151	11																							
2152	< 5																							
2153	8																							
2154	6																							
2155	28																							
2156	< 5																							
2157	5																							
2158	< 5																							
2159	< 5																							
2160	6																							
2161	< 5				< 0.2	< 0.5	4	610	1	177	< 2	11	0.31	41	< 10	15	< 0.5	< 2	3.86	14	232	2.03	< 10	< 1
2162	5																							
2163	5																							
2164	< 5																							
2165	7																							
2166	< 5																							
2167	< 5																							
2168	< 5																							
2169	< 5				< 0.2	0.8	83	1250	< 1	1730	2	55	2.83	74	< 10	11	< 0.5	< 2	4.45	112	2790	9.49	10	< 1
2170	< 5				< 0.2	0.6	99	1250	< 1	1800	< 2	50	2.67	88	< 10	14	< 0.5	< 2	4.62	128	2600	9.07	10	< 1
2171	< 5																							
2172	< 5																							
2173	< 5	5	6	2																				
2174	< 5																							
2175	7																							
2176	< 5																							
2177	< 5																							
8468		10	10	< 2																				

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Ta	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP

2151																	
2152																	
2153																	
2154																	
2155																	
2156																	
2157																	
2158																	
2159																	
2160																	
2161	0.02	< 10	2.10	0.030	0.004	0.03	< 2	3	52	< 0.01	< 1	< 2	< 10	16	< 10	1	1
2162																	
2163																	
2164																	
2165																	
2166																	
2167																	
2168																	
2169	0.01	< 10	4.86	0.080	0.011	0.26	10	25	79	0.01	< 1	3	< 10	161	< 10	1	2
2170	0.02	< 10	4.57	0.100	0.011	0.29	11	23	85	< 0.01	1	2	< 10	156	< 10	1	2
2171																	
2172																	
2173																	
2174																	
2175																	
2176																	
2177																	
8468																	

Quality Control

Analyte Symbol	Au	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Detection Limit	5	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Analysis Method	FA-AA	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
GXR-1 Meas					26.9	3.6	1160	707	14	25	560	617	0.28	351	15	171	1.0	1480	0.76	7	6	26.0	< 10	3
GXR-1 Cert					31.0	3.30	1110	852	18.0	41.0	730	760	3.52	427	15.0	750	1.22	1380	0.960	8.20	12.0	23.6	13.8	3.90
GXR-4 Meas					3.5	0.7	5060	136	323	40	46	70	2.22	100	< 10	28	1.0	32	0.91	15	52	3.72	10	< 1
GXR-4 Cert					4.00	0.860	6520	155	310	42.0	52.0	73.0	7.20	98.0	4.50	1640	1.90	19.0	1.01	14.6	64.0	3.09	20.0	0.110
GXR-2 Meas					17.8	4.2	75	917	< 1	16	688	520	2.75	12	20	1200	1.0	< 2	0.78	10	23	2.07	10	3
GXR-2 Cert					17.0	4.10	76.0	1010	2.10	21.0	690	530	16.5	25.0	42.0	2240	1.70	0.690	0.930	8.60	36.0	1.66	37.0	2.90
CDN-PGMS-9 Meas		2570	688	1030																				
CDN-PGMS-9 Cert		2600	710	1040																				
OREAS 13P Meas							2700			2360												6.05		
OREAS 13P Cert							2500			2280												7.58		
CDN-GS-3D Meas	> 3000																							
CDN-GS-3D Cert	3410.00																							
OxC58 Meas	215																							
OxC58 Cert	201.000																							
2160 Orig	7																							
2160 Dup	5																							
2161 Orig					< 0.2	< 0.5	4	606	1	177	< 2	11	0.31	39	< 10	15	< 0.5	< 2	3.65	14	230	2.02	< 10	< 1
2161 Dup					< 0.2	< 0.5	4	613	1	177	< 2	11	0.31	42	< 10	14	< 0.5	< 2	3.66	14	233	2.03	< 10	< 1
2170 Orig	< 5																							
2170 Dup	< 5																							
Method Blank Method					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank Method					< 0.2	< 0.5	< 1	< 5	< 1	< 1	< 2	< 2	< 0.01	< 2	< 10	< 10	< 0.5	< 2	< 0.01	< 1	< 1	< 0.01	< 10	< 1
Method Blank Method	< 5																							
Method Blank Method	< 5																							



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**Final Report**  
**Activation Laboratories**

Analyte Symbol	Au	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	
Unit Symbol	ppb	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	
Detection Limit	5	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	
Analysis Method	FA-AA	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	
2151	11																				
2152	< 5																				
2153	8																				
2154	6																				
2155	28																				
2156	< 5																				
2157	5																				
2158	< 5																				
2159	< 5																				
2160	6																				
2161	< 5				< 0.2	< 0.5	4	610	1	177	< 2	11	0.31	41	< 10	15	< 0.5	< 2	3.66	14	
2162	5																				
2163	5																				
2164	< 5																				
2165	7																				
2166	< 5																				
2167	< 5																				
2168	< 5																				
2169	< 5				< 0.2	0.9	83	1250	< 1	1730	2	55	2.83	74	< 10	11	< 0.5	< 2	4.45	112	
2170	< 5				< 0.2	0.6	99	1250	< 1	1800	< 2	50	2.67	88	< 10	14	< 0.5	< 2	4.62	128	
2171	< 5																				
2172	< 5																				
2173	< 5	5	6	2																	
2174	< 5																				
2175	7																				
2176	< 5																				
2177	< 5																				
8468		10	10	< 2																	

**Final Report**  
**Activation Laboratories**

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP

2151																				
2152																				
2153																				
2154																				
2155																				
2156																				
2157																				
2158																				
2159																				
2160																				
2161	232	2.03	< 10	< 1	0.02	< 10	2.1	0.03	0.004	0.03	< 2	3	52	< 0.01	< 1	< 2	< 10	16	< 10	1
2162																				
2163																				
2164																				
2165																				
2166																				
2167																				
2168																				
2169	2790	9.49	10	< 1	0.01	< 10	4.86	0.08	0.011	0.28	10	25	79	0.01	< 1	3	< 10	161	< 10	1
2170	2800	9.07	10	< 1	0.02	< 10	4.57	0.1	0.011	0.29	11	23	85	< 0.01	1	2	< 10	158	< 10	1
2171																				
2172																				
2173																				
2174																				
2175																				
2176																				
2177																				
8468																				

**Final Report**  
**Activation Laboratories**

Analyte Symbol	Cr	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y
Unit Symbol	ppm	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP

2151																					
2152																					
2153																					
2154																					
2155																					
2156																					
2157																					
2158																					
2159																					
2160																					
2161	232	2.03	< 10	< 1	0.02	< 10	2.1	0.03	0.004	0.03	< 2	3	52	< 0.01	< 1	< 2	< 10	16	< 10	1	
2162																					
2163																					
2164																					
2165																					
2166																					
2167																					
2168																					
2169	2790	9.49	10	< 1	0.01	< 10	4.86	0.08	0.011	0.26	10	25	79	0.01	< 1	3	< 10	161	< 10	1	
2170	2600	9.07	10	< 1	0.02	< 10	4.57	0.1	0.011	0.29	11	23	85	< 0.01	1	2	< 10	158	< 10	1	
2171																					
2172																					
2173																					
2174																					
2175																					
2176																					
2177																					
8468																					

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 Report Date: 15/10/2008

**Preliminary Report**  
**Activation Laboratories**

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	1	1	2	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1
Analysis Method	FA-MS	FA-MS	FA-MS	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2181				< 0.2	< 0.5	4	610	1	177	< 2	11	0.31	41	< 10	15	< 0.5	< 2	3.86	14	232
2189				< 0.2	0.9	83	1250	< 1	1730	2	55	2.83	74	< 10	11	< 0.5	< 2	4.45	112	2790
2170				< 0.2	0.6	99	1250	< 1	1800	< 2	50	2.67	88	< 10	14	< 0.5	< 2	4.62	128	2600
2173	5	6	2																	
8468	10	10	< 2																	

**Preliminary Report**  
**Activation Laboratories**

Analyte Symbol	Fe	Ga	Hg	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	10	1	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	1	2	10	1	10	1	1
Analysis Method	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2181	2.03	< 10	< 1	0.02	< 10	2.1	0.03	0.004	0.03	< 2	3	52	< 0.01	< 1	< 2	< 10	18	< 10	1	1
2189	9.49	10	< 1	0.01	< 10	4.86	0.08	0.011	0.28	10	25	79	0.01	< 1	3	< 10	161	< 10	1	2
2170	9.07	10	< 1	0.02	< 10	4.57	0.1	0.011	0.29	11	23	85	< 0.01	1	2	< 10	158	< 10	1	2
2173																				
8468																				