

**REPORT ON DIAMOND DRILLING**

**MEUNIER OPTION**

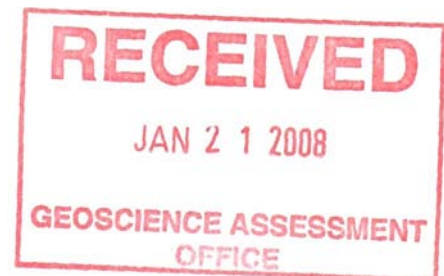
**MICHAUD TOWNSHIP**

**CONSTANTINE METAL RESOURCES LTD.**

**JOINT VENTURE**

**2 . 368 7 3**

Dean S. Rogers, P.Geo.  
Geological Mining Consultant  
January 11<sup>th</sup>, 2008



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## INTRODUCTION

A total of 298 meters was drilled between December 18<sup>th</sup> and December 27<sup>th</sup>, 2007 on hole FC-07-09 to fulfill the requirement of Assessment work on the Claim group, at the same time to evaluate the structure and follow up on the results of earlier drilling by Royal Victoria Minerals in January of 2005. Drilling was completed by Discovery Drilling and Exploration of Timmins, Ontario with BQ equipment. The sealed core boxes were delivered by the drillers to a logging facility located in the basement of 403 Goldrush Street in South Porcupine, Ontario and logged by the author Dean S. Rogers P.Geo. OGQ. The core was sampled under my direction, samples were split with a standard Boyles core splitter, and were then delivered by truck to the Swastika Laboratories in Kirkland Lake for assaying. In total 40 samples were taken, results of which are included in this report.

## LOCATION AND ACCESS

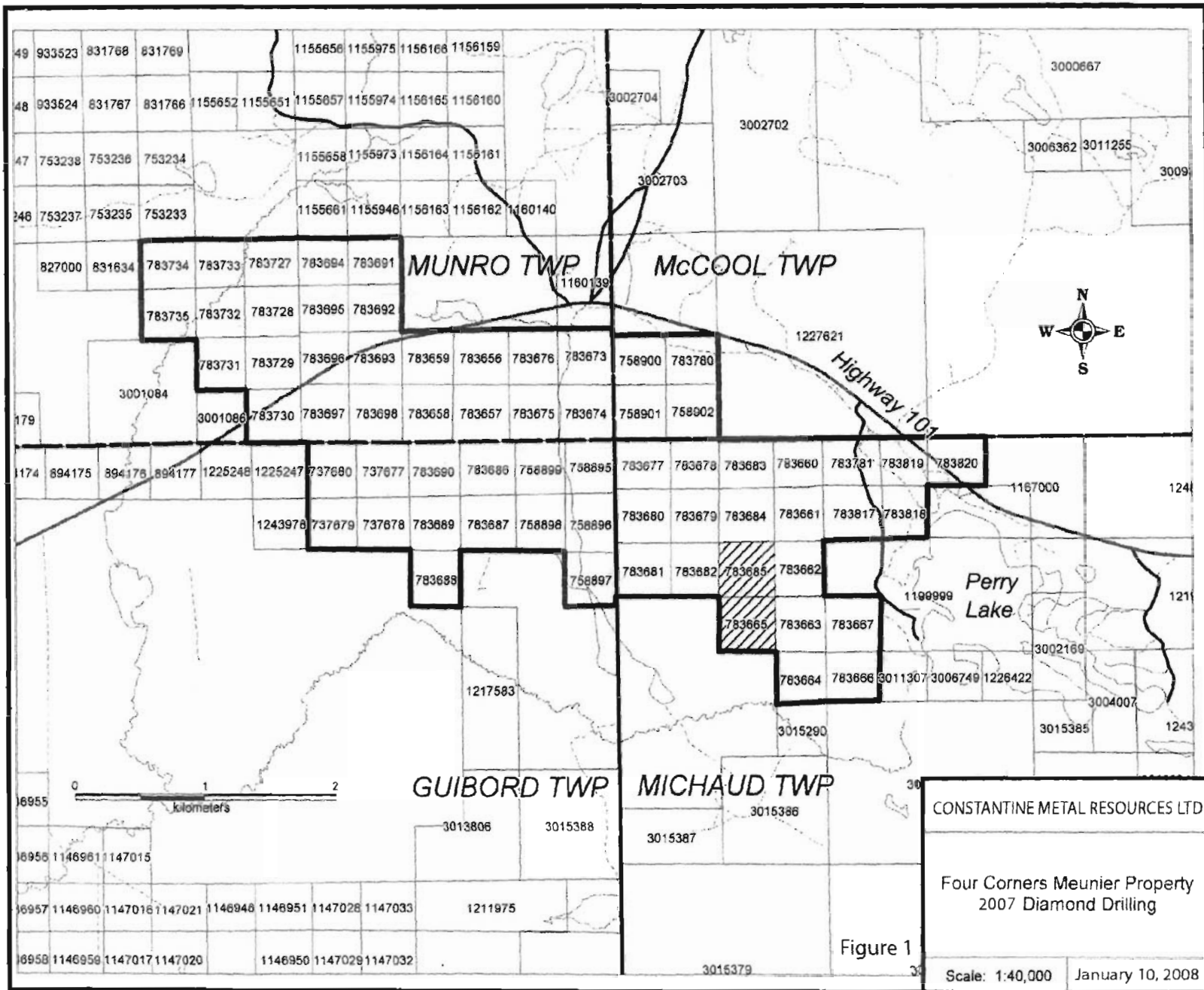
The Four Corner Property, so called, consists of 65 contiguous claims in the Munro, McCool, Guibord and Michaud Townships along the highway 101 corridor. The drilling location is accessible 2km West off the Perry Lake cottage road, some 24Km East of the town of Matheson. Drilling was centered on Claims 783685 and 783665 in Michaud Township.

## PERSONNEL

Consulting Geologist Dean S. Rogers supervised the programme and the writing of this report, with some valuable assistance in the field and the core facilities by Dave Meunier owner of the property.

Dean S. Rogers P.Geo  
312- 110 Golden Avenue  
P.O.B. 2340  
South Porcupine, ON.  
P0N 1H0

Diamond drilling was completed by Discovery Drilling and Exploration Inc.  
209 Government Rd. North  
Timmins, ON.  
P4N 7C3



## PREVIOUS WORK

The current drilling under the option holder, Constantine Metal Resources Limited, was a follow up drilling programme to previous drilling by Royal Victoria Minerals in 2005 (see appendix). Diamond Drilling between the Pipestone Fault to the North and the Porcupine Destor Fault to the South encountered interesting gold values in the earlier programme.

A detailed Magnetic Survey was completed previous to the 2004 drilling.

Most recent work included a Geological Report by this author October, 2006, evaluating the depth potential of the gold zone as previously defined in the earlier Diamond Drilling Programmes.

### Summary of Diamond Drilling

Hole FC 07-09 was collared on claim 783685. The casing was drilled, primarily through sand with a few cobbles, and penetrated bedrock as 44 metres. The casing was left in the hole.

The hole encountered a series of mafic to ultramafic flow units with foliation in the core, somewhat elongate to the core axis, perhaps resulting in the westerly deviation of the hole. See Figure 2

The hole intersected an altered and mineralized zone from 51 to 56 meters with 5-20% Quartz stringers and 1-2% pyrite and pyrrhotite.

A second mineralized zone, in pillowed and variolitic lava from 150 to 160 meters ranged from 1-3% sulphides, pyrite, pyrrhotite and chalcopyrite in fine disseminations and streaky seams..

The 5% chalcopyrite in seams @ low angles to the core axis, ie Sample 38826, represents anomalous copper mineralization, which, when it appeared elsewhere, was finely disseminated with other sulphide minerals.

Of note, the increase in pyrrhotite content of the sulphides, at the expense of pyrite may represent the increasing mafic to a more ultramafic content of the volcanic pile.

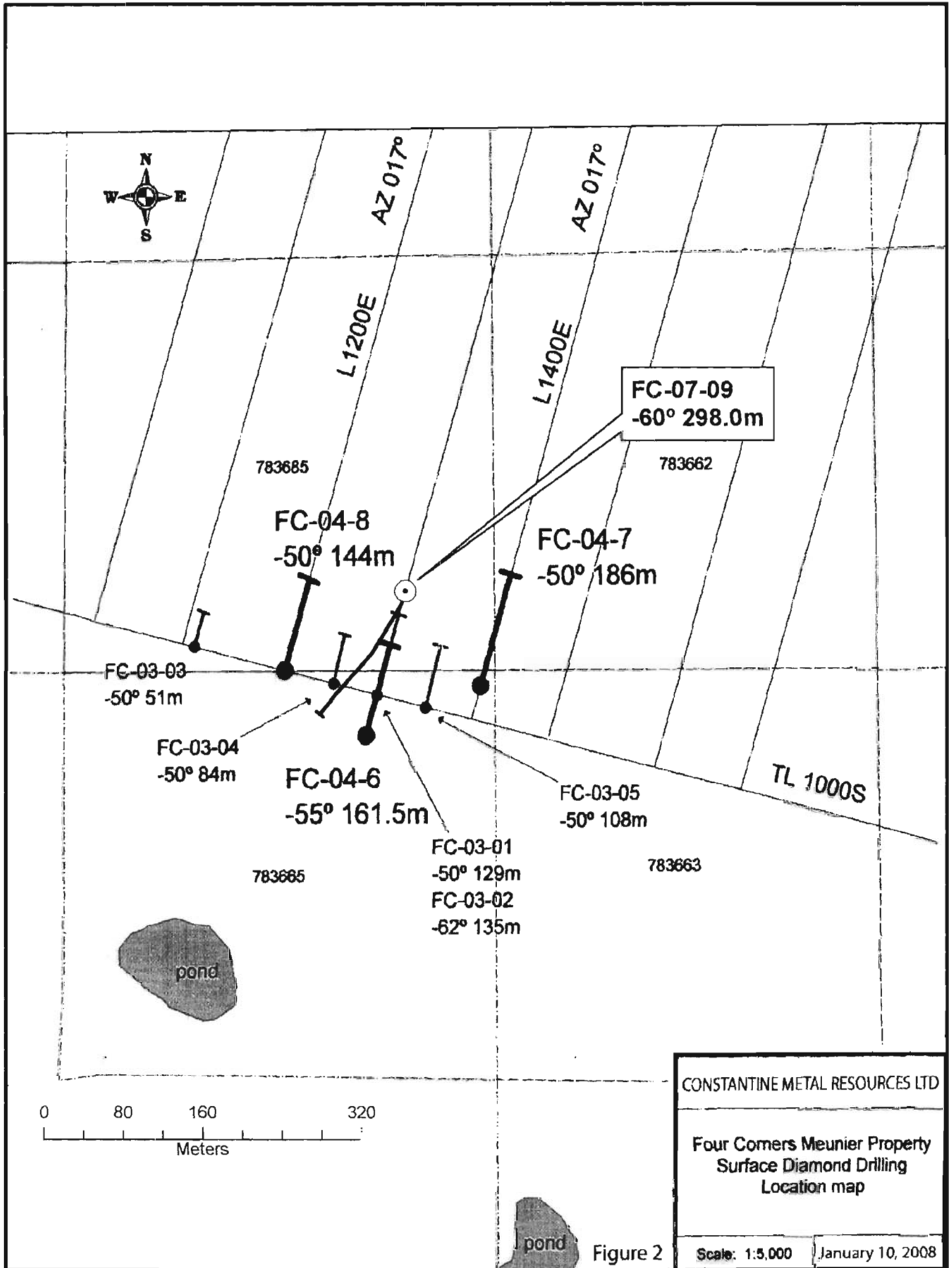


Figure 2



## Acknowledgements

The author wishes to acknowledge the co-operation and assistance of Warner Baxter, a member of the Perry Lake Cottagers Association, in the recently completed drilling programme. Mr. Baxter in addition to providing transportation assistance for the proposed drill hole, he facilitated the diamond drillers move on to the property and in securing a safe location for the contractors to off-load their equipment on the narrow access road fro the year round cottagers.

In addition to the monitoring this author did in policing the clean up of the drill site, Warner in turn, monitored both of our efforts. On the completion of the drilling he was engaged by the author on an inspection tour of both the drill site and the pump house site and together we found no deficiencies.



*Dean S. Rogers*  
*Jan 15th 2008*



## REFERENCES

- 1) Assessment Report on Diamond Drilling By Wayne Reid Royal Victoria Minerals. January 9<sup>th</sup>, 2004.
- 2) Report on Geophysical Surveys on Michaud 04-61 Grid. By Mathew Johnson January 2005.
- 3) Report on Diamond Drilling by Michael Leahy Royal Victoria Minerals January 2005.
- 4) Summary Report on the Geology of the Four Corners Group Michaud Township By Dean S. Rogers October 2006.



Established 1928

# Swastika Laboratories Ltd

Assaying - Consulting - Representation

## Assay Certificate

**8W-0014-RA1**

Company: **Constantine Metal Resources Ltd**


Date: JAN-10-08

Project:

Attn: **Dave Meunier**

*We hereby certify the following Assay of 27 Core samples submitted JAN-08-08 by Core.*

Sample Number	Au ppb	Au Check ppb	Multi Element Results to follow
38801	329		
38802	226		
38803	89		
38804	137		
38805	106	99	
38806	65		
38807	298		
38808	209		
38809	151		
38810	NIL		
38811	14		
38812	31	21	
38813	NIL		
38821	305		
38822	NIL		
38823	NIL		
38824	NIL		
38825	10		
38826	192	178	
38827	62		
38831	45		
38832	75		
38833	NIL		
38834	27		
38835	363		
38836	NIL	NIL	
38837	329		
Blank	NIL		
Standard OXK 48	3634		

Certified by 



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# Swastika Laboratories Ltd

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

**8W-0033-RG1**

Company: **CONSTANTINE METALS RES. LTD**

Date: JAN-17-08

Project:

Attn: **D. Meunier**

We hereby certify the following Geochemical Analysis of 13 Core samples submitted JAN-11-08 by .

Sample Number	Au PPB	Au Check PPB	Multi Element
38814	130	-	Results to follow
38815	Nil	-	
38816	213	-	
38817	41	45	
38818	24	-	
38819	3	-	
38820	Nil	-	
38828	38	21	
38829	34	-	
38830	Nil	-	
38838	7	-	
38839	110	127	
38840	1073	-	
Blank	Nil	-	
STD OxK48	3607	-	

Certified by 

# DIAMOND DRILL RECORD

PROJECT: FOUR CORNERS  
MALDEN PROPERTY

LENGTH 298 m CORE SIZE BQ

CO-ORD N 100M NORTH OF  
E COLLAR OF FC 03-01  
ON SECTION (LINK)  
S 1300 E

D.D. HOLE NO.	DEPTH	AZIMUTH	DIP
<u>FC 07-09</u>	<u>0</u>	<u>197°</u>	<u>-60°</u>
	<u>51 m</u>	<u>209.7°</u>	<u>-61.9°</u>
	<u>100 m</u>	<u>211.2°</u>	<u>-60.1°</u>
	<u>200 m</u>	<u>221.6°</u>	<u>-58.1°</u>
	<u>298 m</u>	<u>218.5°</u>	<u>-56.2°</u>

DRILLED BY DISCOVERY DRILLING & EXPLORATION INC MACH NO. \_\_\_\_\_

LOGGED BY D S ROGERS P. Geo.

CORE STORED CORE FACILITY 403 GOLDRUSH ST

CLAIM NO. 783685 & 783665 TWP. MICHARD

PURPOSE ASSESSMENT ZONE \_\_\_\_\_

SAMPLE NOS. SAMPLE # 38801 to 38840

LOGGED JAN 30 - JAN 7 11/08

STARTED DECEMBER 18/07

COMPLETED DECEMBER 27/07

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDO %	F.A.	C.K.	METERS			SAMPLE NUMBER	
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS		
	<u>0</u>	<u>44</u>	<u>44</u>	<u>CASING - SAND - PREDOMINANTLY - FEW COBBLES (LEFT IN HOLE)</u>		<u>PPB</u>						
	<u>44.0</u>	<u>51.75</u>	<u>7.75</u>	<u>MAFIC VOLCANIC MED GREY GREEN IN COLOUR, FINE GRAINED TO COARSE FRAGMENTAL, STRONGLY FOLIATED @ 10° TO C.G. CUT BY SEVERAL QTZ STR'S 2-4CM White with chloritic str's &amp; frags.</u>								
				<u>QTZ - 5cm @ 50° to c.g. white, tr py 44.30m. 46.3, 47.10, 47.6 2cm @ 10°-50° to c.g.</u>								
				<u>47.30 - 47.80 FRAGMENTAL BRECCIATED, BUFF ANSWER FRAGS &amp; DR GREEN CHLORITE</u>								
				<u>48.25 4cm white Qtz @ 45° C.G.</u>								
				<u>15% Qtz Str. tr py</u>		<u>329</u>			<u>46.9</u>	<u>47.9</u>	<u>1.0</u>	<u>38801</u>
				<u>49.70 1cm Qtz @ 50°</u>								
				<u>50.70 1cm Qtz @ 45° chlorite incl.</u>								

**DIAMOND DRILL RECORD**

Diamond Drill Hole No.

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDQ %	F.A.	C.K.	METERS			SAMPLE NUMBER
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS	
	51.75	56.0	4.25	MAGIC? ALTERED FRAGMENTAL, GREYISH WHITE IN COLOR WEAKLY CARBONATED, CUT BY IRREG QZS CARB. VEINLETS, QUARTZ SHARDS FRAGMENTED VEINLETS ROCK LESS FOLIATED, HIGHLY ALTERED.		PPB					
				0.2m Qtz Tour Vein @ 20° to c.a. 2-3% diss py	226			51.2	51.5	0.3m	38802
				15% Qtz irreg chl. banding - dx - i-2% py	89			51.5	52.0	0.5m	38803
				15% wh. b Qtz, frag. carb matrix 1% py	137			52.0	52.5	0.5m	38804
				10% irreg Qtz str & Qtz frags 0.5-1% py	106			52.5	53.0	0.5m	38805
				25% irreg Qtz fragmental 1% fine py	65			53.0	53.5	0.5	38806
				20% irreg Qtz, chloritic str & seams 0.5% py	298			53.5	54.0	0.5	38807
				10% Qtz & Qtz carb frag matrix 0.5% py	209			54.0	54.5	0.5	38808
				5% Qtz irreg 1% dissom py	151			54.5	55.0	0.5	38809
				2% Qtz irreg str 1% diss py	NIL			55.0	55.5	0.5	38810
				8-10cm white Qtz @ 20° chlorite laths py, po & galema.	14			55.5	56.0	0.5	38811
	56.0	67.0	11	TRANSITIONAL ZONE? DARK GREY GREEN IN COLOR MASSIVE FINE GRAINED VOLCANICS AND ALTERED & BRECCIATED FRAGMENTAL SECTIONS - FABRIC 10-30% to c.a. cut by 1-10cm Qtz veinlets 10-35° to c.a. - MASSIVE VOLCANIC STROM. FINE DISSOM PYRITE - Qtz STR'S TRACE - NIL PY							
				5% Qtz fold veining 30° to c.a. fine py 1% dissom pyrite in wall rock.	31			57.0	57.7	0.7	38812

**DIAMOND DRILL RECORD**

Diamond Drill Hole No.

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDQ %	F.A.	C.K.	METERS			SAMPLE NUMBER
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS	
				QZ VEINING 61.2 2cm @ 40° - white		PPB					
				62.6 10cm @ 30° chlorite incl							
				75% white qtz irreg 20-30° to c.a. no min		Nil		64.7	65.3	0.6	38813
	67.0	160.0	990	Mafic Volcanic - Dark Green in colour, fine grained							
				massive for most part with local pillow							
				feature - pillow rims & selvages 73.7m							
				Spherules @ 74m							
				Local Qtz str's 30-40° to c.a. @ 75.5, 75.7 & 76.05							
				86.2-86.6 well dev. interflow dx - rims							
				86.85 - 'chicken feed' 87m coalescing spherules							
				4cm Qtz grey @ 2 to c.a. chl seams 2-5% py @ 130				84.2	85.0	0.8	38814
				Local Qtz 93.3, 93.5, 93.7 white no min							
				host rock carries Tr - 2% py							
				REP. SAMPLE 1-2% py in small fr's & pillow selvages		Nil		96.0	97.0	1.0	38815
				99.0m - 118m Mafic Volcanic. medium grey green							
				in colour with increasing spherule content							
				10-30% spherules. spherules 1-2cm in diam							
				coalescing to clots 5-6cm							
				Local Qtz thin 10-30° to c.a. - fine py.							
				REP. SAMPLE 2% Qtz comb - 1% silty py py seams		213		106.0	106.75	0.75	38816
				108 1/4 in seam of py @ 60° to c.a.							
				116.30 - 116.70 pseudo spinatex -							
				good chicken feed dx.							

**DIAMOND DRILL RECORD**

Diamond Drill Hole No.

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDQ %	F.A.	C.K.	METERS			SAMPLE NUMBER
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS	
				118-130 UNIFORM MAFIC - DARK GREEN IN COLOUR		PPB					
				FINE GRAINED GRADIES TO MEDIUM UNIFORM @ 124m							
				(COARSER GRAINED CENTRE OF FLOW)							
				FINE GRAINED @ 130m CONTACT CHILLED							
				FINE BRILLIA GRADIES TO FLOWY WITH							
				SPHERULITIC SECTIONS.							
				WELL FRACTURED IN FINE GRAINED MATRIX							
				CROSS FR & LENGTH FR PYRITE FILLINGS 0.5%							
				1-2% pyrite in fractures		+1		119.9	120.7	0.8	38817
				130-160 FLOWY MAFIC DARK GREEN TO GREY GREEN							
				IN COLOUR PILLOWED SECTIONS. SPHERULES LIGHT							
				GREY GREEN IN COLOUR WITH DARKER CENTRES							
				SPLASHES OF Po in MAFIC UNIFORM SECTIONS							
				WHITE Qtz 15cm @ 30 to ca TR PY		24		135.25	136.0	0.75	38818
				splash po & py @ 135.70							
				2-3% po & py in fract @ 20 to ca 2% Qtz str's		3		150.35	151.0	0.65	38819
				1cm po & py seam with Qtz @ 30 to ca		NIL		151.0	151.7	0.70	38820
				1-2% po & cpy in fx & dissem		305		155.0	156.0	1.0	38821
				1-2% po, py & cpy in fx & dissem		NIL		156.0	157.0	1.0	38822
				2-3% po, py & cpy in fx fillings in pillow salvage		NIL		157.0	158.0	1.0	38823
				2% po & py minor cpy in seams & fx's		NIL		158.0	159.0	1.0	38824
				1% po & py cpy in fx & seams & dissem.		10		159.0	160.0	1.0	38825

**DIAMOND DRILL RECORD**

Diamond Drill Hole No.

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDQ %	F.A.	C.K.	METERS			SAMPLE NUMBER
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS	
	160	175.25	15.25	MAFIC VOLCANIC UNIFORM MEDIUM GRAINED WITH A SHARP LOCAL CONTACT @ 30° to c.g. cut by several qtz carb, threads, iron stained		P2B					
				5% cpy. pyr. py - 1/2 cm wide chalcopyrite Striker @ 15° to c.g. - branching c 60° to c.g.		192		160.0	160.70	0.7	38826
	175.25	210.0		MAFIC FRAGMENTAL DARK GREY GREEN MATRIX WITH BLACK SHARDS AND GREY CHURTY LIKE FRASS. MIXTURE OF ANOMALOUS AND ROUND FRASS. LOCAL CONTACT @ 30° to c.g. 5-7% Sph & disseminated PYRITE, PYRITE IN CHURTY FRASS. TR. CRY		62		175.25	176.10	0.85	38827
				196-210 MED GREY GREEN IN COLOUR - WEAKLY MAGNETIC WITH SOME FINE GRIBINITE ATTRACTIVE SECTION @ 199-203 MINOR PY STAIN QUARTZ - 204.3 1cm Qtz carb @ 20° - TR. A 205.75 1cm Qtz carb 208 5cm white c 20° to c.g. 209.5 5cm @ 60° to c.g.							
	210	233	23	ULTRAMAFIC - DARK GREEN IN COLOUR, FINE GRAINED SHOWS GRADATION CONTACTS							



**DIAMOND DRILL RECORD**

Diamond Drill Hole No.

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDQ %	F.A.	C.K.	METERS			SAMPLE NUMBER
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS	
				CUT BY NETWORK OF QTR CARBONATE MINERAL SPINDLES. REASILY SCRATCHED WITH FINISH SLIGHTLY MAGNETIC. FRAGMENTAL TEXTURE WITH DARK SPINDLES.		PPB					
	233	260		MAFIC VOLCANIC MEDIUM GREY GREEN IN COLOUR PATCHY FRAGMENTAL APPEARANCE WITH BLEACHED PALE GREEN MINERAL							
				BLEACHED FRAGMENTAL 1-3% streaky poopy, some patches - rock approaching hydroclastic		30		235.3	236.3	1.0	38828
				BLEACHED GREY GREEN WITH CONTACTS @ 50° Hydroclastic 2cm qtz @ 20° to ca. 1-2% po st's on contacts		34		240.25	241.25	1.0	38829
				244 - 260 Rock becomes more massive fine to medium grained slightly magnetic intrusive like with po seams splash cap LOCAL PO MINERALIZATION @ 242.50, 248.50, 251.25 st's & dissem.							
				BROWNISH ALTERED ZONE CONTACTS SHARP & IRRES. PORPHYRITIC & HYDROCLASTIC TEXTURE 1-2% po.		NIL		250.2	250.7	0.5	38830

**DIAMOND DRILL RECORD**

Diamond Drill Hole No.

ROCK TYPE	METERS		METERS	CORE DESCRIPTION	RDQ %	F.A.	C.K.	METERS			SAMPLE NUMBER
	FROM	TO				AU 9/TONNE	AU 9/TONNE	FROM	TO	METERS	
	260	261.5	1.5	HYALOCLASTITE - SEE SAMPLE DESCRIPTIONS		PPB					
				REID SAMPLE FINE GRAINED MATRIX 0.5% PO		45		259.0	260.0	1.0	38831
				1.8% Qtz EPOCH VEIN @ 10° 1% fine po		75		260.0	260.5	0.5	38832
				1.8% CONTACTS, ULTRAMAFIC FRAGS IN BLANK		NIL		260.5	261.5	1.0	38833
				CHERTY MATRIX, GREY Qtz FRAGS, 1% po dissem & streaks							
	261.5	284		ULTRAMAFIC - MEDIUM GREY GREEN IN COLOR							
				FINE TO MEDIUM GRAINED, SLIGHTLY							
				MASCHTIC WELL MINERALIZED WITH							
				SPARKY & PATCHY PO. - TRACE CPY							
				2- 1cm Qtz veinlets @ 30° to c.a. 1-2% po		27		262.0	263.0	1.0	38834
				SPARKY & DISSEM PO & PY. fine fractures							
				1-2% po. STR & CR fractures @ 0°-30° c.a. 1% py		363		263.0	264.0	1.0	38835
				2-3% po. Tr cpy		NIL		264.0	265.0	1.0	38836
				268-284 ROCK IS MAINLY MEDIUM GRAINED							
				WITH COARSE GRAINED SECTIONS CUT							
				BY more MINERALIZATION -							
				po. concentrations @ 267.50, 269.50,							
				281.50, 281.90, 282.60 2cm Qtz							
				Hyaloclastic - 5% po, py, cpy -		329		283.25	283.75	0.5	38837
				brecciated - rem. frags.							

