

# GM 34692

DIAMOND DRILL RECORD, DUVAN COPPER PROPERTY

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Énergie et Ressources  
naturelles

Québec 

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.  
DIAMOND DRILL RECORD

PROPERTY: DUVAN COPPER PROPERTY HOLE NO. DES.78.3  
 SHEET NUMBER 1 of 5 N.T.S. NO. 32D/14 STARTED May 15, 1978  
 COLLAR 13 + 60 feet E. CLAIM NO. 352067-1; L.25, R III COMPLETED May 17, 1978  
L 44N BEARING 'GRID SOUTH' (235°) ULTIMATE DEPTH 60.4 m.  
 ELEVATION approx. 366m. a.s.l. DIP -45° @ collar/-52° @ 61m. PROPOSED DEPTH 61m.

Depth m	Description	Mineral- ization	Core Recov.	Assay					
	AQ Diamond Drilling								
0	OVERBURDEN - AX casing left in hole (Loose ground necessitated cementing once drill reached depth of 21m)								
6.1	HORNBLLENDE SCHIST (Mafic Tuff origin) - 50% Plagioclase, 40% greenish-black hornblende (possibly some biotite) - up to 10% garnet locally - colour dark grey to greenish-black, very hard (cannot scratch with knife). - banding prominent although slightly irregular.								

Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA  
 DOCUMENTATION TECHNIQUE  
 Date: 7 SEP. 1979  
 No GM: 34692

LOGGED BY Jim Barclay DRILLED BY Philippon Diamond Drilling CORE STORED Philippon Coreyard, Rouyn.



## GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.

## DIAMOND DRILL RECORD

SHEET NO. 3 of 5 PROPERTY

DUVAN COPPER PROPERTY

HOLE NO.

DES.78.3

Depth m	Description	Mineral- ization	Core Recov.	Assay			
				Au oz/t	Ag oz/t	Cu %	Zn %
	anhedral to subhedral phenocrysts 1-15mm. insize remainder						
	are present in the matrix.						
	- intrusive relationship to surrounding schists.						
14.1	<u>HORNBLLENDE SCHIST</u> (Mafic Tuff origin)						
	- as before, higher felsic content.						
	- more massive, less banded: more obviously volcanic in						
	origin.						
	- some zones are definitely metamorphosed crystal tuffs						
	in which anhedral plagioclase was laid down in a matrix,						
	now represented by hornblende.						
	17.1 - 8cm. of 80% pyrite.						
	- some chlorite noted.						
	17.1 - 17.2 ASSAY (JB.78.22)			Nil	0.10	.032	.006
17.2	CRYSTAL TUFF OR FELDSPAR PORPHYRY						
	- minor pyrite present						
17.3	<u>HORNBLLENDE SCHIST</u> (Mafic Tuff origin)						
	- as approach 20m; the tuffs vary.						
	Continuation on next page.						





Φ RN-M-227

MINISTÈRE DES RICHESSES NATURELLES - QUÉBEC - DEPARTMENT OF NATURAL RESOURCES

JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

CLAIM No. \_\_\_\_\_ LOT No. 25 RANG RANGE III 1880 pieds au sud Ligne RIII/RIV  
 COORDONNÉES ORIFICE CO-ORDINATES COLLAR 150 pieds à l'est lim du lot 25  
 FEUILLE No. 1 SHEET No. 1  
 SECTION \_\_\_\_\_

LAT. L44N DEP. 13+60 E ORIENTATION BEARING 235° COMMENCÉ LE DATE BEGUN Mai 1978

ÉLEVATION ORIFICE ELEVATION COLLAR \_\_\_\_\_ ANGLE DIP -45° (col) - 52° à 200' TERMINÉ LE DATE TERMINATED " 1978

CONFIDENTIAL

LONGUEUR TOTALE TOTAL LENGTH 200' 61 m. JOURNAL PAR LOGGED BY Marc van d Well

CAROTTE CORE FOOTAGE		DESCRIPTION	ÉCHANTILLON - SAMPLE				ANALYSE - ASSAY			
DE FROM	À TO		No.	DE FROM	À TO	LONGR. LENGTH				
0	20	pas de carottes (morts-terrains)								
20	647	Tufs felsiques + métamorphiques = méta tufs - quelques grenats visibles - localement magnétique prob. causé par enrichissement de pyrohotin dans certains lits. Le litage n'est que faiblement exprimé. $i = 30^\circ \text{ à } 35^\circ$ au début - $i = 5^\circ - 10^\circ$ AC à partir de 47' Certains bancs de tuf très fin ont un aspect de cornéenne (Hornfels) gris brun sombre - recristallis. locale mieux marquée vers 37' - A partir de 57' R. recristallis. plus mafique - petit dyke granitique de 44' à 45' (rouillé) " " " à 57' (12cm) + 5cm de py à $\pm 30\%$ - de 60 à 61 mineralis. pyriteuse (+po) 10%-20% sur $\pm 40$ cm (mineralis. de fracture)	Echant. 41 Echant. 37 Echant. 62							
67	69	Mineralisation py + po dans roches contournées associée avec Quartz (mineralis. de fracture)								

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## MINISTÈRE DES RICHESSES NATURELLES - QUÉBEC - DEPARTMENT OF NATURAL RESOURCES

Φ RN-M-227

## JOURNAL DE SONDAGES AU DIAMANT - DIAMOND DRILL RECORD

FEUILLE No

SHEET No.

2

CLAIM No.

LOT No.

RANG

RANGE

SECTION

COORDONNÉES ORIFICE

CO-ORDINATES COLLAR

LAT.

DEP.

ORIENTATION

BEARING

COMMENCÉ LE

DATE BEGUN

mai 78

ÉLEVATION ORIFICE

ELEVATION COLLAR

ANGLE

DIP

TERMINÉ LE

DATE TERMINATED

JOURNAL PAR

LOGGED BY

Roumond Will

LONGUEUR TOTALE

TOTAL LENGTH

CAROTTE CORE FOOTAGE		DESCRIPTION	ÉCHANTILLON — SAMPLE				ANALYSE — ASSAY			
DE FROM	À TO		No.	DE FROM	À TO	LONGR. LENGTH				
69	200	<p>Tufs plus <del>to</del> <sup>marqués</sup> et apparemment plus recristallisés souvent finement lités - occasionnellement porphyritisés (?) par et 78-80 - localement grenats microcristallins la litage suit d'abord à 45°-50° A.C. vers la fin du trou 70°-80° A.C. 127-140 R. à gr. fins massif vert sombre probablement méta basalte 142-170 Tuf recristallisé en amphibolite nombreuses zones à grenat 183-184.5 petit dyke granit. porphyr. sombre 194-198 R. recristallisé à minéraux blanchâtres avec 2% à 4% de pyrite en cubes Dans l'ensemble, quelques passes felsiques sombres surtout entre 80' et 120' Fin du trou</p>								

Echant 70

Echant 72

Echant 196



GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.  
DIAMOND DRILL RECORD

CONFIDENTIAL

PROPERTY: DUVAN COPPER PROPERTY HOLE NO. DES. 78.3  
 SHEET NUMBER 10 F 5 N.T.S. NO. 32 D/14 STARTED May 15, 1978  
 COLLAR 13+60 feet E. CLAIM NO. 352067-1; L.25, R.III COMPLETED May 17, 1978  
L 44N BEARING 'GRID SOUTH' (235°) ULTIMATE DEPTH 60.4 m.  
 ELEVATION 366 m. a.s.l. DIP -45° @ collar / -52° @ 61 m. PROPOSED DEPTH 61 m.  
*approx.*

Depth (ft/m)	Description	Mineral- ization	Core Recov.	Assay					
	AQ Diamond Drilling								
0	OVERBURDEN - AX casing left in hole (Loose ground necessitated cementing once drill reached depth of 2.1 metres.)								
	HORNBLende SCHIST								
6.1	<del>Hornblende</del> Schist (Mafic Tuff origin) - 50% Plagioclase, 40% greenish-black hornblende (possibly some tschite) - up to 10% garnet locally - colour dark grey to greenish-black, very hard (cannot scratch with knife) - banding prominent although slightly irregular								

LOGGED BY JIM BARCLAY DRILLED BY PHILIPPO DIAMOND DRILLING CORE STORED PHILIPPO (CITY) ROYAN



GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.  
DIAMOND DRILL RECORD

SHEET NO. 3 of 5 PROPERTY DUVAN COPPER PROPERTY

HOLE NO. DES-78-3

Depth (ft/m)	Description	Mineral- ization	Core Recov.	Assay					
				Ag oz/t	Ag oz/t		Cu %	Zn %	
	anhedral to subhedral phenocrysts <sup>1 → 15 mm in size</sup> remain as found present in the matrix.								
	- intrusive relationship to surrounding schists.								
14.1	HORNBLÉNDE SCHIST (Mafic Tuff origin)								
	- as before, higher felsic content.								
	- more massive, less banded: more obviously volcanic in origin.								
	- some <del>of</del> zones are definitely metamorphosed crystal tuffs in which anhedral <del>of</del> plagioclase was laid down in a matrix matrix now represented by hornblende.								
	17.1 - 8 cm of 80% pyrite.								
	- some chlorite noted.								
	17.1 - 17.2 ASSAY (JB-78-22)								
17.2	CRYSTAL TUFF or FELDSPAR PORPHYRY.								
	- minor pyrite present.								
17.3	HORNBLÉNDE SCHIST (Mafic Tuff origin)								
	- as approach 20 m, the tuffs vary								

Ag: 0.10 Cu: .032 Zn: .006

GREAT PLAINS DEVELOPMENT COMPANY OF CANADA, LTD.  
DIAMOND DRILL RECORD

SHEET NO. 4 of 5 PROPERTY DUVAN COPPER PROPERTY HOLE NO. DES 78-1

Depth (ft/m)	Description	Mineral- ization	Core Recov.	Assay				
				Au wt%	Ag wt%		Cu %	Zn %
	considerably in matrix, <del>constant</del> felsic and pyrite contents; also <del>vary</del> the core angles are variable giving a very chaotic appearance to the units.							
	18.3 - 18.75 A - up to 80% pyrite	≤ 80% Py						
	ASSAY (TB 78.23)		Fr	Tr	.03		.044	.008
	20.4 - 21.2 - up to 80% pyrite	≤ 80% Py						
	20.4 - 21 ASSAY (TB 78.24)			Tr	.03		.036	.015
	23 - core angles continue to vary over distances as short as 10 cm, core angles vary from zero degrees to 80% degrees.							
	- chlorite content increasing; 50% at 24.4-25.9 m.							
	29.6 - 30.5 - zero degrees core angle.							
	22.8 - 23.5 - very finely bedded layers, 1-2mm thick.							
30.8	FINELY BEDDED HORNBLENE GNEISS (Matrix Text)							
	- very finely bedded, core angles 60-90 degrees.							
	- uniform mineral content (not variable as above)							

