GM 38209

DIAMOND DRILL RECORD

Documents complémentaires

Additional Files

Licence

License

Cette première page a été ajoutée
au document et ne fait pas partie du
rapport tel que soumis par les auteurs.

Énergie et Ressources naturelles
Québec

(835)

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268 CLAIMS 57658-1, 57657-3

DIAMOND DRILL RECORD

Page No. 1

Hole No. HU6203

Location 19-75-1 EXPL DRE

Section 2200E

Bearing S45E

Dip 0°

Length 1006.5

Size of core AQ

Started FEV/81

Completed MARS/81

Cement

Logged by [signature]

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
0'	S65E	S45E	+1°
400	S65E	S45E	+5°
900'	S55E	S35E	+7°
700			+13
800			+10° 30'
900			+11° 30'

ACID TEST
100' : 0°
200' : +1
300' : +3°
400 : ?
500' : +5°

SURVEY RESULTS

Latitude

Departure

Elevation

Bearing

Dip

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0.0	3.8	Fault zone	Lgreen Hsoi 2-3 to Recristallised Qtz + Gange	md-Hssd 30° CA contorted sections section of recristallised Qtz	0.0-3.8: Barren
3.8	6.1	alt'd Anorth.	Lgreen Hsoi	mass mottled	3.8-6.1: locally pieces of mass Py Cp, looking to be ‖ to core
6.1	9.2	alt'd dyke (?)	Greyish green Hsoi	mass	6.1-9.2: locally spots of Py Cp
9.2	49.5	Anorth	Greenish grey 50-60% white feldspar [illegible] 21.9 } Joint with 26.3 } cristallised $CaCO_3$	mass coalescent Jointing mainly 30° CA	Barren

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
49.5		Andsite	Greenish grey 20-30 % white Feldspar phenos	Highly fractured at random strike but recrystallised	Barren.
			Some section really alt'd Andsite.		
					70.6-71.4: Qtz vein at 45° CA with chlorite pieces in locally spots of Cpy
					76.7-78.4: $CaCO_3$ vein at 60-70° CA Barren.
					90.2-91.1: H chlorite section Tr Py
	104.4				101.8-104.4: Tr Py
104.4		Andsite.	Greenish grey 50-60 % white Feldspar phenos	Mass coalescent coarse grain	Barren.
					107.9-108.3: Ser + chlorite alt'd fault 1-2 % Py at 20-30° CA.
	113.3				

PAGE................

HOLE No. Nu 6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
113.3		MIN Chlorite Zone	Dgreen HCGI	Mass Fg	113.3-113.8: BARREN
					113.8-114.3: 6-8% Py Po 3-4%
			2-3% FREE CO_3		Cpy in QC stringer
					at 10°CA
					114.3-119.3: Localy Tr Py
					119.3-121.6: Localy Tr Py
			119.8-120.8: ANorth.		121.6-122.0: 50% Py but
			at 50°CA		Look Like To be
					// To Core
					122.0-123.9: Tr-1% Py
					123.9-125.2: 8-10% Py
					125.2-129.5: Localy Tr Py
					129.5-131.0: 8-10% Py 1% Cpy
					at 70° & // To Core
					131.0-132.6: Localy Tr Py
					132.6-133.9: 10-15% $CaCO_3$
					5-6% PyPo 1-2% Cpy at 50°CA
					133.9-136.4: Localy Tr PyPo
					136.4-138.8: 5-6% $CaCO_3$
					10-15% PyPo 1-2% Cpy
	138.8				at 50-70°CA

PAGE...............

HOLE No. Nu6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
138.8		Q ANK vein	Greyish white	MOSS	138.8 - 140.6: TR - PyPo
	140.6			Contact @ 70° CA	
140.6		altd zone	Bluish black H SER	MASS - Lgd @ 60-70 CA	140.6 - 142.8: TrPyPo TrCPy
			5-10% CO_3	Fgne	142.8 - 147.8: BANDED
				Locally Looking	147.8 - 152.8: BANDED
				a breccia	152.8 - 157.8: BANDED
				From @ 180.0	157.8 - 162.8: LOCALLY TrPyPoCPy
				INCR Std of	162.8 - 165.3: " "
				FOLIATION @ 50 CA	165.3 - 168.1: TR-1% PyPo TrCPy
					168.1 - 172.1: BANDED
					172.1 - 174.4: BRECCIA
					BANDED
					174.4 - 179.4: BANDED
					179.4 - 184.4: BANDED
					184.4 - 187.2: BANDED
				←*	187.2 - 189.7: BRECCIA
					5% To Qc @ 50 CA
	189.7				TrPyCPy
189.7		altd dyke	Brownish grey md sat L-mdcgl	Highly FRACTURED	189.7 - 192.2: BANDED
				Filled by CO_3	192.2 - 196.6: BANDED
	196.6			Locally Brecciated	

PAGE.....

HOLE No. HU6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
196.6		altd zone	Bluish black Hsoc	mass fm gr	196.6 - 199.9: 3.4% Cpy
			2.3% Co₃		1-2% Py Po with
					Co₃ as fractures
					Filling.
	200.0				199.9 - 200.0: Barren.
200.0		Dyke	D grey	mass contact	200.0 - 201.2: Barren.
	201.2			∠60° (a).	
201.2		altd zone	Bluish black Hsoc	mass with foliation	201.2 - 202.0: Breccia
			2.3% Co₃	50-60	50% Co₃ Barren
				locally Breccia	202.0 - 207.0: Barren
				section	207.0 - 212.0: Barren
	217.2				212.0 - 217.2: Barren.
217.2		altd Anorth	L-md green Hsoc	mass ± mottled	Barren
	226.9			m/gr	
226.9		Anorth	L grey 70-80 white	mass coalescent	Barren.
			Feldspar [illegible] in	-Pseudo porph coarse gr	
	259.4		Ser matrix		
259.4		FP dyke	D grey	mass coarse gr	Barren.
			some sections of altd	coarse gr	
	265.9		zone Bluish black Hsoc	contact 50-60°(a)	

PAGE...............

HOLE No. H.U.62.0.3

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
265.9		Anorth.	Greenish gray - lt gray 60-70%	Mass coalescent	Barren.
			White feldspar grain	- Pseudo porph	
					270.0-271.6: Tr Py Cpy in
			1-2% fault mostly 45-50° CA		Black ser alt'd
			274.3-274.8		section)
			290.8-291.1		
			295.0-295.6		307.8-309.0: 2 (1") - faults
	314.4				with PyPo
314.4		alt'd Anorth	Lgreen H ser	mass mottled	314.4-315.0: 1-2% PyPo
			with sections of	md grn	315.0-320.0: Barren.
			rel fresh Anorth		320.0-323.6: Barren
					323.6-324.5: 5-6% PyPo
					3-4% Cpy in Qz
					stringer at 50-60° CA
	326.2				324.5-326.2: Barren.
326.2		Anorth.	Greenish gray 50% white	mass coalescent	Barren
			feldspar grain	coarse grn	
			2-3% ser alt'd fault		340.6-341.9: ser alt'd fault
					50° CA Tr PyPo
					351.7-353.2: ser alt'd fault
					Tr PyPo at 60° CA

HOLE No. HU 620.3

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION.	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					364.0 - 365.6: See alt'd fault
	371.4				1% Py Po Tr Cpy
371.4		Anorth.	Greenish grey 20-30%	Mass ± mottled	Barren.
			White Feldspar [illegible]	Coarse gr	
			50% section of alt'd		
	385.4		Anorth Hsoc		
385.4		Mod alt'd zone	Green-brownish Hsoc md[illegible]	Mass fn-md gr	385.4 - 389.2: 20-30% Py Po
	389.2			Contact ≅ 50-60° CA	2-3% Cpy
389.2		Anorth.	Greenish grey 40-50% white	Mass coalescent	Barren.
	402.6		Feldspar [illegible] in [illegible] matrix	Locally [illegible] text	
402.6		Alt'd Anorth.	md-dgreen Hsoc	Mass ± mottled	402.6 - 405.0: Tr-1% Py Po
				Contact ≅ 60° CA	405.0 - 409.3: Locally Tr Py Po
			404.1 - 404.5: Qz stringer		
	409.2		Faulting?		
409.2		Anorth.	Greenish grey 40-50%	Mass coalescent	Barren.
			White Feldspar [illegible]	Pseudo porph. coarse	
					426.6 - 429.1: See alt'd fault
	452.6				Barren.
452.6		Fault zone	L.green + bluish black Hsoc	Contorted in section	452.6 - 484.1: Po in 1/2"
			2-3% Qz	Contact ≅ 60° CA	Qz stringer [illegible]
			461.7: Vugs with crystallized [illegible]		454.1 - 439.1: Barren

PAGE.................. HOLE No. Hu 6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
	464.1				459.1-464.1: Locally Tr Py Po
464.1		Anorth.	Greenish gray 40-50% white	Mass Coalescent	Barren.
			Feldspar [illegible]	-mottled	
					463.2-464.2: Qc vein
					at 70° ca. Barren
				Check	475.0-476.1: See alt'd [illegible]
	479.6				Barren.
479.5		Alt'd Anorth.	L-med green Hsi	Mass - L Ssi'd = 20° ca	479.5-480.4: Barren
			1-2% Qc	± mottled	480.4-481.2: 5% Qc C.T%
					Py Po 3-4% SPH
					481.2-482.8: Tr-1% Py Po
					482.8-484.0: 5% Qc
					2-3% Py Po 3-4% SPH
	487.9				484.0-487.9: Locally Tr Py Po
487.9		Anorth.	Greenish gray 40-50%	Mass ± Coalescent	Barren.
			Feldspar	Locally Rou. Text	
	529.6		Locally [illegible] at 45° ca		
529.6		Mass Sulfide	Brownish	Mass Contact	529.6-531.2: 60% Py Po 1% Cpy
				of fault 10° ca	
				but sulfides at	
	531.2			60-70° ca	

PAGE................ HOLE No. ..NUG2-3....

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
			± 780.0 - 774.0: Greyish Anorth		728.4 - 731.2: 2 ser alt'd fault at 45° CA with patches of Po // to core
					775.0 - 778.8: Barren
					778.8 - 779.6: 10% PyPo 4-5% CA // to core
					779.6 - 780.0: mass PyPo probably // to core
					780.0 - 786.3: Md. H ser with fractures // to core Barren.
			812.0 - 835.2: } Greyish Anorth 843.4 - 850.0 }		
			870.0 - 890: Many faults		805.0 - 805.9: ser alt'd fault with 2" mass PyPo + Qtz at 10° CA
					872.7 - 873.5: ser alt'd fault at 45° CA Barren
					875.7 - 876.7: 2" mass PyPo at 50-60° CA
	900.0				894.6 - 895.6: tr PyPo in ser alt'd fault at 30° CA

PAGE................

HOLE No. NU6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
531.2		Andesite	Greenish gray 50-70 % white	mass. Coalescent	Barrow.
			Feld's Par phen	-Pseudo porph	
					549.0-550.0: Ser alt'd fault
			From 549.0-565.0: many joints		Tr Py cPy at 15° ca
					553.2-554.1: Tr Py Po in 2
					small ser alt'd fault
					at 20-30° ca.
					555.4-556.5: Tr Py Po in ser
					alt'd fault 45° ca
					558.4-561.8: 3 chl-ser alt'd fault
					at 10 & 60° ca. with Tr Py Po
					565.2: 1/4 mass sulfide
					at 10° ca.
					617.0-617.5: Ser alt'd fault
					at 60° ca Tr Py
					655.3-656.0: 2" Qz stringer
					at Py at 20° ca.
					716.2-717.2. Ser alt'd fault
					at 10° ca Tr Py Po

PAGE................

HOLE No. NU6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
900.0		ANORTH.	GREENISH GREY 40 TO WHITE	MOSS COALESCENT	900.0-901.3: 3" QC STRINGER
			FELDSPAR.	COARSE GRN	AT 30° CA TR PY
					901.3-907.5: BANDED (ANORTH.)
			50 TO 60% ALT'D JOINTS		907.5-911.2: BANDED
					911.2-912.2: BANDED (ANORTH.)
					912.2-913.3: BANDED 45° CA
					913.3-915.8: BANDED (ANORTH.)
					915.8-920.6: MANY SMALL
					60% ALT'D JOINTS
	920.6				LOCALLY TR PY AT 45° CA
920.6		ANORTH.	GREENISH GREY 30-40 TO WHITE	MOSS	BANDED.
		GABBROIC.	FELDSPAR PHENOS	LOCALLY "TROUTLIKE TEXT" (?)	
				COARSE GRN	942.5-945.0: CaCO3 FRACTURE
	976.4		MANY JOINTS MOSTLY 70° CA.		AT 70° CA.
976.4		ANORTH.	GREENISH GREY 70 TO WHITE	MOSS COALESCENT	BANDED.
	987.0		WHITE FELDSPAR PHENOS	COARSE GRN	
987.0		FAULT ZONE	LINEATED HEAVY	FRACTURED AT	987.0-991.8: BANDED
			50 TO 60° CA	RANDOM STRIKES BUT	991.8-995.5: BANDED
				RECRYSTALLISED	STRONG CA FOLIATION
	995.5				AT 30° CA.

PAGE.....

HOLE No. NQ-6203

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
998.9		Anorth.	Greenish grey 50% white feldspar xtals in soc matrix	mass coalescent coarse grnd	Barren
			END OF CORE	1006.5	

PAGE..............

HOLE No. NO 62 03

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Departure .....
Bearing .....
Dip .....

JEB FORM 270

Length .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
63957	0.0	3.8	3.8	.002	0.05	0.05																			
58	3.8	6.1	2.3	.004	0.20	1.90	← *																		
59	6.1	9.2	3.1	.007	0.15	0.50																			
63960	70.6	71.4	0.8	.004	0.20	0.50																			
63961	76.7	78.4	1.7	.001	0.10	0.05																			
63962	90.2	91.1	0.9	.002	Tr	0.05																			
63963	101.8	104.4	2.6	.002	Tr	0.05																			
63964	107.8	109.3	1.5	.003	Tr	0.10																			
63965	113.3	113.8	0.5	.014	Tr	0.05		.014		← *															
66	113.8	114.3	0.5	.010	0.15	1.40		.016																	
67	114.3	119.3	5.0	.014	0.05	0.05		6.0																	
68	119.3	121.6	2.3	.004	Tr	0.05																			
69	121.6	122.0	0.4	.002	0.20	0.15																			
70	122.0	123.9	1.9	.004	0.05	0.05																			
71	123.9	125.2	1.3	.004	0.05	0.05																			
72	125.2	129.5	4.3	.002	0.05	0.05																			
73	129.5	131.0	1.5	.004	0.05	0.20																			
74	131.0	132.6	1.6	.002	0.05	Tr																			
75	132.6	133.9	1.3	.002	0.05	0.15																			
76	133.9	136.4	2.5	.002	0.05	0.05																			
77	136.4	138.8	2.4	.004	0.10	0.20																			

PAGE.....

HOLE No. ...U-6-203

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag oz/T	Cu				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
C3978	139.9	140.6	1.8	.001	0.10	0.05																			
79	140.6	142.9	2.2	.002	0.05	Tr																			
80	142.9	147.9	5.0	.002	0.05	Tr																			
81	147.9	152.9	5.0	.006	0.05	0.05																			
82	152.9	157.9	5.0	.006	0.05	Tr																			
83	157.9	162.9	5.0	.006	0.05	Tr																			
84	162.9	165.3	2.5	.005	0.05	Tr																			
85	165.3	168.1	2.8	.006	0.05	0.05																			
86	168.1	172.1	4.0	.004	Tr	Tr																			
87	172.1	174.4	2.3	.005	0.05	0.05																			
88	174.4	179.4	5.0	.004	0.05	0.05																			
89	179.4	184.4	5.0	.003	0.05	Tr																			
90	184.4	187.2	2.8	.002	0.05	0.05																			
91	187.2	189.7	2.5	.002	0.05	0.10																			
92	189.7	192.2	2.5	.005	0.05	0.05																			
93	192.2	196.6	4.4	.005	0.05	0.05																			
94	196.6	198.8	2.2	.008	0.05	0.30																			
95	198.8	200.0	1.2	.006	0.05	0.05																			
96	200.0	201.2	1.2	.015	0.05	0.05																			
97	201.2	202.0	0.8	.004	0.05	Tr																			
98	202.0	207.0	5.0	.005	0.10	0.05																			
99	207.0	212.0	5.0	.005	0.05	Tr																			
C4000	212.0	217.2	5.2	.003	0.05	Tr																			
C3781	270.0	271.6	1.6	.009	0.05	0.05																			
C3782	307.8	309.0	1.2	.005	0.15	0.05																			

PAGE.....

HOLE No. NW6203

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu	Zn			CUMULATIVE TOTALS: Cum Len	Au oz/T	Cu %					AVERAGES: Cum Len	Au oz/T	Cu %							
63753	3144	3150	0.6	.004	0.05	0.05																			
54	3150	3200	5.0	.002	0.05	Tr																			
55	3200	3236	3.6	.015	0.05	Tr																			
56	3236	3245	0.9	.004	0.10	0.25																			
57	3245	3262	17	.003	0.05	0.05																			
63758	3406	3419	1.3	.003	0.05	0.05																			
63759	3517	3532	1.5	.004	Tr	Tr																			
63760	3640	3656	1.6	.003	0.05	0.05																			
63761	3854	3892	3.8	.004	0.05	0.20																			
63762	4026	4050	2.4	.004	0.05	0.05																			
63	4050	4093	4.3	.004	Tr	Tr																			
63764	4526	4541	1.5	.003	Tr	Tr																			
65	4541	4591	5.0	.003	Tr	Tr																			
66	4591	4641	5.0	.002	Tr	Tr																			
63767				.004	0.05	Tr																			
63768	4750	4761	1.1	.002	Tr	Tr																			
63769	4795	4804	0.9	.006	0.05	Tr																			
70	4804	4817	0.8	.030	0.15	0.20	2.08																		

PAGE.....

HOLE No. HU6203

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu	Zn			CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %							
L 3771	4812	482.9	1.6	.004	Tr	Tr				.011	.006	2N	←	*											
72	4829	4840	1.2	.007	0.05	0.05	0.84			0.6	7H														
73	4840	4879	3.9	.005	Tr	Tr				0.6	3.6														
L 3774	5296	5312	1.6	.004	0.05	0.20																			
L 3776	5490	55.00	1.0	.006	Tr	0.05																			
L 3776	5532	554.1	0.9	.006	0.05	0.05																			
L 3777	5554	556.5	1.1	.004	Tr	Tr																			
L 3778	5584	561.9	3.4	.002	Tr	0.05																			
L 3779	6178	6179	0.9	.005	0.05	0.05																			
L 5230	6553	6560	0.7	.013	0.05	0.20																			
L 5231	7162	7172	1.0	.005	0.05	0.05																			
L 5232	7284	7312	2.8	.005	0.05	0.10																			
L 5233	7750	7789	3.8	.006	0.05	0.10																			
34	7789	7796	0.8	.005	0.05	0.20																			
35	7796	7800	0.4	.005	0.05	0.10																			
36	7808	7863	6.3	.025	0.05	0.10																			

PAGE.....

HOLE No. HU6203

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	~~Ag~~ %	Cu				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
L5237	8050	8059	09	.017	0.10	0.20																			
L5239	8757	8762	0.5	.005	0.05	0.10																			
L5239	8964	8956	1.0	.004	0.05	0.05																			
L5240	9000	9013	1.3	.015	0.05	0.10																			
L5241	9075	9112	3.7	.016	0.05	0.05																			
42	9112	9133	1.1	.010	Tr	0.05																			
L5243	9158	9206	4.8	.005	Tr	0.05																			
L5244	9435	9450	1.5	.008	Tr	0.05																			
L5245	9770	9918	4.8	.007	Tr	0.05																			
46	9918	9959	4.1	.007	Tr	0.05																			

PAGE.....

HOLE No. H0620.8

6263 0 -50 326
400 -49 331

J 81 57657-2,3
of 74526-4

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268

DIAMOND DRILL RECORD

Hole No. No 6215

Location 1975 H.W. Drw — Size of core AQ.

Section 600E — Started May 1981

Bearing S45E — Completed June 1981

Dip Flat. — Cement

Length 1969.0' — Logged by G. Pilote ~~Ray Turner~~

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
0	155	135	0
400	155	135	+1
800	162	142	+3
1900	173	153	+4

acid test
100 - 0
200 - 0
300 - 0
400 - 0
500 - 0
600 + 1°
700 + 2
800 + 2° 30'
900 + 3°
1000 + 3° 30'
1100 + 3° 30'
1200 + 3° 30'
1300 + 2° 30'
1400 + 3°
1500 + 3°
1600 + 3° 30'
1700 + 3°
1800 + 2°
1900 + 2°

SURVEY RESULTS

Latitude

Departure

Elevation 7286.57

Bearing S-43°04'-E

Dip FLAT

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0.0		Anorth.	Greenish gray 40-50%	Mass Cataclast	Barren.
	28.0		white feldspar pheno	-Pseudo porph. Cumberge	
28.0		all'd zone	Agrood Negi	Mass	28.0-32.0: Barren
				Fn zone	
	32.0			Contact @ 10° CA.	
32.0		Anorth.	Greenish 30-40%	Mass Pseudo porph	Barren.
			white feldspar pheno		
					35.6-36.2: 2 small
			37.9-41.5: Highly broken		Qz stringers
			core sections		at 20° CA PyPo
			with locally gouge contact		36.2-37.9: See all'd
			(Roche Pourrie) ↓		Sand Barren
	41.5		38.4-39.0		
			41.2-41.5		

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
47.8		Anorth.	Greenish gray 50-60%	Mass Coalescent	Barren.
	108.3		white feldspar grain	-Pseudo perf. Coarse grn	
108.3		alt'd anorth	Lgreen Hser	L-md ss'd = 11	108.3 - 113.3: Locally diss Py Po Cpy
	118.0			To Core	113.3 - 118.0: " " "
118.0		Anorth.	Greenish gray 30-40%	Mass ± mottled	Barren.
			white feldspar grain		
	128.3		in ser matrix		
128.3		alt'd zone	md-dgreen section Bluish black	L-md ss'd 40-90°CA	128.3 - 130.0: 25% Qc
			Hser Lchl	Brecciated text	6-7% Py Po at
			Highly carbonated		60-90°CA.
			at random strike		130.0 - 135.0: Locally spots of
			+ 11 to strike		Py Po Cpy
					135.0 - 140.0: Locally Tr Py Po Cpy
					140.0 - 145.0: " " "
					145.0 - 150.0: " " "
	155.2				150.0 - 155.2: " " "
155.2		Anorth.	Greenish gray 50-60%	Mass Coalescent	Barren.
			white feldspar grain	-Pseudo perf	
			in ser matrix	Coarse grn	203.7 - 205.0: md ser Lchl
		Fault ? ←	165.0-169.7 } Sheared joint		alt'd joint at 50°CA
			188.0-188.7 } 30-60°CA.		1-2% Py Po
			191.3-197.2		

HOLE No. HU 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					213.0-214.1: Qz stringer
					// to core
					222.0-222.5: Ser alt'd fault
	260.0		From 239.1-250.0: Section	of "troutite text"	at 60° ca. Barren
260.0		Mid zone	med green Hsed intercal	mass but	260.0-262.6: 1-2% Py Po 1% Cp
			25% Qz	sulfides are	// to core
				70-90° ca.	262.6-265.0: 50% Qz
					10% Py/Po 1% Cp
					265.0-267.2: Anorth. Barren
					267.2-269.0: Qz vein
					white mass 40° ca
	268.0				Barren.
268.0		Anorth.	Greenish grey 50%	mass coalescent	Barren.
			White Feldspar phen	cumulo[illegible]	
			in ser matrix		283.4-284.8: Ser alt'd fault
			2-3% ser alt'd fault		at 45° ca. Barren
					287.2-288.6: Ser alt'd fault
					caused by a 3"
					Qz stringer at 40° ca
					with Po

HOLE No. NU62-15

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					297.1-298.2: Sér alt'd jnt
					at 30°CA with 1/4"
					mass Py
					299.5-301.2: Sér-Chl alt'd
					jnt at 30°CA.
					Locally Tr Py Po
					343.4-344.1: Patch of Py Po
					CPy in L-md
	363.3				alt'd Anorth.
363.3		min alt'd Anorth.	L-md green Hsec	mass ± mottled contact @ 30°CA	363.3-365.0: 2-3% Py Po
					365.0-365.4: mass Py Po at 10 CA
					365.4-366.8: Tr-1% Py Po Tr-1% Cc
					366.8-367.2: 6-7% CPy 1-2% Py
	368.6				367.2-368.6: Tr CPy
368.6		min alt'd zone:	dgreen-bluish black Hsec Less 10% section of alt'd Anorth	mass	368.6-369.4: 15% CPy Tr-1% Py Po
					369.4-373.2: Locally Tr Py Po CPy
					373.2-375.3: 1% Py Po
					375.3-376.3: mass Py Po at 1%

HOLE No. NU 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					376.8 - 377.7: 3-4% Py/Po
					Tr Cpy
	392.7				377.7 - 392.7: Locally Tr Py/Po
392.7		Anorth.	Greenish grey 40% white	Mass Pseudo-Porph	BARREN.
			Feldspar [illegible] in Ser	-mottled	
			5-10% LEUCOXENE		389.8 - 390.4: Chl alt'd joint
					alt 10° CA BARREN.
					399.4 - 401.1: Ser alt'd
					joint caused by
					6" Qz stringer
	407.5				at 30 CA BARREN.
407.5		alt'd Anorth	Lt-md green H Ser	Lt-md Sh'd @ 30° CA	407.5 - 412.5: BARREN
				-90° CA. ± mottled	412.5 - 416.3: BARREN
			Locally some Qz stringer		416.3 - 418.3: BARREN ± Anorth
			mostly 70° CA		418.3 - 420.9: 1-2% Py & Tr Cpy
					70° - 90° CA
			From 416.3 → some small		in Qz stringer
			sections of		420.9 - 422.4: Locally Tr Py/Po
	422.4		Anorth.		

HOLE No. HJ6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
422.4		Anorth.	Brownish grey 40-50% Chl Feldspar	Mass Coalescent	Barren.
			Fine 5-10% Leucoxene - Pseudoporph		
				Coarse grain	424.6 - 430.0: Many Ser
			10% faint 40°-50° CA.		alt'd faults 40-90° CA
					Locally Tr Py Po
					432.5 - 434.2: Ser alt'd fault
					caused by a Qc stringer
					at 60° CA. Barren
					437.9 - 439.2: Ser alt'd fault
					at 50° CA Tr Py Po
					444.4 - 446.0: Ser alt'd
					fault at 40° CA Tr Py Po
					450.5 - 451.6: Qc stringer
					at 70° CA. 3-4% Py Po
					3-4% Cpy
					453.0 - 453.7: Ser alt'd fault
					at 45° CA Tr Py Po
					454.9 - 456.0: 5' mass Py Po
					at 45° CA.
					462.9 - 463.7: Tr Py Po in fault

HOLE No. 1106215 at 80° CA

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					476.9 - 477.1: 5cm-15% alt'd
					fault at 20° CA
					BARREN
					480.4 - 481.6: 2 (2") fault
					with $CaCO_3$ and
					PyPoCp at 20° CA
					492.1 - 494.8: many Qc stringers
					30-50° CA with
					section of CAR alt'd
					Anorth + Anorth 1-2%
					CPy
					494.8 - 495.2: 1/4" mass Cpy
					stringer at 70° CA
	495.2				in Anorth.
495.2		MASS SULPHIDES	Yellowish Brown with a green	MASS	495.2 - 497.6: 8-10% PyPo
			section (Chloritic)		2-3% Cpy at
				497.2-497.7: Qc vein	50-60° CA locally 90° CA
				at 60° CA	497.6 - 500.6: 60% PyPo 10-12% Cpy
					10% Qc (Qtz eyes)
					500.6 - 501.2: 5-6% Py 1-2% Cpy

at 60-70° CA.

HOLE No. NU6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
	502.0				501.2 - 502.0: BARREN
502.0		Anorth.	Dirty greyish white 30-40% white	Mass but jointed	502.0 - 507.3: Locally mass
			Feldspar phenos with		(1/4") cpy
			many joint 50° CA		joint.
			Locally with mass sulfide		507.3 - 512.6: Same as
	512.6		stringer		above
512.6		alt'd zone	D. green md. HCGl	Mass Contact	512.6 - 517.2: 1% diss Py
	517.2			@ 10-70° CA	
517.2		Anorth.	Same as 502.0		mostly BARREN
			above		
			jointed 10-50° CA.		520.4 - 521.5: Ser-Chl alt'd joint
					Diss Py
					526.0 - 527.0: Ser alt'd joint
					at 45° CA BARREN
					529.1 - 532.2: Ser-Chl alt'd joint
					Locally Tr Py/Po
					534.2 - 535.0: Tr Py/Po in Ser-Chl
					alt'd joint
					541.9 - 542.7: 1/2" mass Po in
					Chl alt'd joint
	546.5				546.0 - 546.5: Locally Tr Py/Po in

PAGE 8

HOLE No. NU 6215 Ser-Chl alt'd [illegible]

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
546.5		Anorth	Greenish grey 50-60%	Mass Coalescent	Barren
			white Feldspar phen	-Pseudoporph	
				Coarse grain	552.0-552.6: Ser alt'd fault
					at 45° CA Tr Py/Po
			± 575.0 20-30% white		588.3-590.0: Diss Py/Po +
			Feldspar phen		1" mass Po at 30° CA
			in Ser matrix		in ± Ser alt'd fault
					597.2-598.5: Ser alt'd fault
			± 600 50-60% white		caused by a 6"
			Feldspar phen		Tr Py/Po Qc vein at 20° CA
	612.5				
612.5		Alt'd An	M grey, H Ser, 10% Calc as	Massive, faint	615.6-616.6 15% Po possibly @ 55° CA
			random blebs.	pheno ghosts, M grain	619.0-620.0 10% Po @ 60° CA
				few lineations	
				55-60° CA	
	621.0				
621.0		Anorth	65% white feldspar phenos	Pseudo porph nearly	Barren except minor
			in a greenish grey matrix of	coalescent.	joint 628.5-629.6 Ser + Calc @ 30°
			sericite. Occ. stain purplish		
			carbonate.		
	647.0				

PAGE 9 HOLE No. H06215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
647.0		Altered Zone	Lt greenish grey, 10% remaining	Mg., some massive	647.0-650.0 2% Po in jts, @ 10°CA
		Mineralized	rounded feldspars in short	sections, others	650.0-652.4 20% tour phenos, band
		laminated	sections between H. sericitic	display L-M Shear	652.4-654.1 15% Po, 4% Cpy, shear @ 35°
		with alt'd An.	blocks of higher alteration:	described in Minor	654.2-666.4 alt'd An, 30% tour phenos
			displaying bluish colour.	features,	M-gr., Massive except few
			and can be called alt'd zone		random jts filled with
					Calc, Po, Tr Cpy
					666.4-668.8 Tr Po, 6% qtz phenos
					668.8-669.9 12% Po Breccia @ 30°CA
					669.9-676.5 Tr Po in H Ser alt'd
					zone rando micro fract.
					676.5-677.6 10% Po in jts 55°CA
					677.6-679.6 Tr Po
					679.6-683.0 3% Po, 2-3% Cpy in
					L.Sh @ 40°CA
					683.0-687.0 Tr Po.
					687.0-688.5 25% Po, 10% Qtz, 2% Cpy
					688.5-692.2 3-5% Po, 2-3% Cpy
					in an brecciated alt'd zone
					692.2-700.0 Tr-2% Po some
					L Sh 25-30°CA

HOLE No. 6216

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
700.0		Alt'd Zone (long sub parallel joint	Blueish grey, stocked white with 20% Calcite, MSer	joint // to core Shear 80° CW	700.0-707.0 15% Qtz - Calc // to core, 1% Po
			707.0-710.0 Alt'd Anorth. 20% remaining feldspars		707.0 - 710.0 20% remaining phenos, Barren
	710.0				
710.0		Alt'd Gone	Blueish grey, MSer, very few poorly defined pheno ghosts. Locally low chlorite 10% Calcite as smears and blotches, and streaks sub parallel to core	looks massive but jointing and parting seems to be sub parallel to core,	710-0-730.0 1-2% Po through associated to the calcite sub parallel joints.
	730.0				
730.0		Anorth.	65% white feldspar phenos in a lt greenish grey matrix of sericite. Occ minor ½" calc @ 15-25° CW Occasional section reverse texture (looks gabbroic)	Mass. Partly Calcareous, partly pseudoporphyritic	Barren 733.7-735.6 alt'd fit, Ser 30° CW 742.8-745.6 Ser - Calc @ 20° CW 776.0-778.0 ½ Calc vein sub parallel to core 815.8-816.8 fit Ser + 4" Calc @ 10°
	835.0				

PAGE 11

HOLE No. 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
835.0		Alt'd Anorth	Bluish grey Ser, 2% Calc blebs @ 20-30° CA, Slight oxidation. Banding 2-3 foot sequences with relat fresh troutite anorth.	C. gr., mottled Possibly a jointed area, some short sect. altered gone 2-M sh. 15-20° CA	Tr Py along calc. infillings
	858.0				
858.0		Anorth	80% coarse 1" phenos of white feldspars in a L green matrix Ser.	Part coalescent Part pseudo porph. with grains up to 1½" diam. Rarely jointed	Barren 876.9-880.9 Highly Sericit (Black laminated white with 8% Calc) M Shears 25-30° CA Barren
	886.0				
886.0		Anorth	40% white phenos in a matrix of Ser. Overall colour greenish, L. Alt'n to Sericite	Half reverse Half coalescent.	Barren
	906.0				
906.0		Anorth	Same as 858.0	Fine coalescent but retains pseudoporphyritic texture	Barren, rare jointing
	942.0				

PAGE 12

HOLE No. 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
942.0		Alt'd Zone	Dark blue black grey, 4% Ser, 4% Calc in matrix. Calcite ocicles @ 15°CN Poss insipient shearing 15-20°CN	Contact 15°CN Mottling, dirty cream matrix around black shadows	944.2-945.4 80% Calc in Breccia. Contact 15-20°CN
	947.0				
947.0		Anorth.	75% white phenos feldspars in a grey green matrix of Sericite, grains occasionally upto 1 inch.	Coalescent some tendency to be pseudoporph.	Barren, rare joint 1/16" random.
	957.0				
957.0		Anorth	Calt'n to sericite within the matrix	Granisize equigranular partly reverse texture ⇒ frontier.	Barren
	975.0				
975.0		Anorth	As in 947.0, 80% white feldspars in a greenish grey matrix of Ser.	pseudoporphyritic	Barren 1002.9-1003.4 Calc Vein 25°CN 1018.6-1019.2 Calc Vn, 20°CN, Tr Py
	1051.2				

HOLE No. 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
1051.2	1061.3	Alt'd Anorth	Mixture of Alt'd zone with intercalated sections of fresh anorth, Alt'n is sericite, 10-15% Qtz Calc. smears at random	Breccia or random jointing system	Occ Tr Cpy associated with Q Calc blebs.
1061.3	1130.8	Anorth	70% white peasize feldspar phenos in a M grey green matrix of Ser.	M gr, mostly pseudoserverse, occasional section Coarser pseudo porll. appearance	Barren except 1073.3-1075.0 H Ser + Calc jnt @ 35° CN, Tr Po 1076.6-1078.2 H Ser, Minor calc jnt @ 35° CN, 1% Po Tr cpy
1130.8	1161.7	Transition Zone	Mixture of Ser alt'd zone sections intercalated with narrow sections of fresh anorthosite, 10-15% free calcite as veinlets and random gashes	Med shear 15° CN occas. 30° CN, where heavily altered	1130.8-1131.8 2-5% Po, Tr Cpy 1131.8-1133.0 H Ser, 6" Calc, Tr Spl 30° 1133.0-1134.3 H Ser, L chl, 35° CN. 1134.3-1138.7 Fresh Anorth 1138.7-1146.0 H Ser, M Sh 10-15° CN, 15% Calc 1146.0-1151.5 C.gr. Fresh An. 1151.5-1155.4 Ser + Calc Breccia 1155.4-1157.6 anorth 1157.6-1161.7 Ser + Pink alt'n

HOLE No. 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
1161.7		Anorth	50% white feldspar phenos in a dirty grey matrix of Sericite, L. ser, local sections bearing long calcite smears. Some sections show 50% white - 50% matrix as pea size grain assembly (matrix soft as sericite)	Coalescent, evidence of some grain shattering (See strain patterns) Local section trondite, pseudo reverse	1206.2-1206.7 Qtz Calc Vnlt 10% Po, 15°CN 1239.0 2" Calc @ 70°CN 1251.5-1252.0 Qtz Ser Breccia contacts @ 10°CN 1304.2-1304.8 QC. Vnlt, 40°CN.
	1332.5				
1332.5		Transition Zone	Anorthosite heavily jointed 5-8% QC. filled veinules @ 30-40°CN.	f.-m.gr. L alt'n to sericite, massive	Occ Tr sph, Py, Cpy associated to the QC. Vnlts. 1345.8-348.2 H Ser, L Sh, 35°CN 1371.2-1373.4 Ser-Qtz-Calc Breccia 15% Sphal, 3% Cpy, Py Early contact 45°CN, Qtz @ 25°CN
	1373.4				
1373.4		Anorth.	60% white feldspar phenos in a Dk grey matrix sericite, matrix consist of soft sericite 1/16" diam, interpheno space very dark grey - black	Partly coalescent partly pseudoporph. Occ. 1/2" - 1" joint Q-C. filled @ 20-35°CN	Occ. Tr sphal, Py, Cpy associated to joints. 1402.5-1404.8 H Ser, L Sh. 40°CN Tr Py 1412.8-1413.9 H. Ser, L. Chl, Tr Py L Sh 15-20°CN
	1425.0				

HOLE No. 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
1425.0		Anorth	70% White feldspar phenos in a spotted matrix of M grey Sericite,	Mgr. Coalescent Massive, less Trouttt. 1485.0-1497.0 grain shattering, nearly sheared anorth 20-30°CA	4" Int Sev @ 1431.0' Virtually Barren 1476-1477.5 1/4" Calc ‖ to core 1494.4-1496.0 M Sev, Calc. Stgs @ 40°CA 1522.0-1523.0 L-M Sev, Tr Py Po Cpy @ 40°CA
	1536.0				
1536.0		Alt'd Zone	M grey, H Sev, 10-12% free calcite as blebs & shear lamellae 3-5% Quartz as blebs and pseudo breccia ...	Contorted shearing 40-55°CA	Virtually Barren
	1562.5				
1562.5		Anorth.	60% white phenos of feldspar in a dark spotty matrix of sericite intergrain dots. (pea size, soft)	Coalescent, M grain pseudo ... looking. few secondary 1/2" pits some nearly parallel others 10-20°CA	Barren
	1668.9				

HOLE No. 6215

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
1668.9		Fault Zone	Creamy white, H Sericite bleached, very soft, broken and gouge, mineralized, H green at edges	H Shear, 30°CN at edges, 60°CN in centre	Barren
	1676.3				
1676.3		Basalt	80% white feldspar phenos in a dark green matrix of sericite (soft)	Real fine to coalescent, few minor Sericite joints @ 40°CN Very little change in character	Barren 1708.3 - 1708.9 Barren Qtz vein 55°CN 3" Calcite @ 25°CN 1736.5'
	1805.0				
1805.0		Basalt	80% Bluish grey feldspars in a slightly darker matrix of sericite; in places the coarser grains (epidote?) look like bluish quartz	C. grain, coalescent (has the appearance of massive ankerite in places). Massive	Barren Occasional minor joint, 1/4" - 1" calc + Ser filled @ 10-30° bearing to as Bc, also in groundmass near joints. 4" alt'n around calc filled Ser joint 40°CN, 1933.0'
	1969.0	End of Core			

PAGE 17

HOLE No. 6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu			CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
65403	280	320	4.0	.014	Tr	0.05																	
65404	356	362	0.6	.015	0.05	0.05																	
05	362	379	1.7	.013	0.05	0.05																	
65406	1093	1133	5.0	.014	0.05	0.10																	
07	1133	1180	4.7	.014	0.05	0.05																	
65408	1293	1300	1.7	.012	0.05	0.05																	
09	1300	1350	5.0	.009	0.05	0.10																	
10	1350	1400	5.0	.008	Tr	0.05																	
11	1400	1450	5.0	.006	Tr	Tr																	
12	1450	1500	5.0	.004	Tr	Tr																	
13	1500	1552	5.2	.005	Tr	Tr																	
65414	2037	2050	1.3	.007	Tr	0.05																	
65415	2600	2626	2.6	.037	0.10	0.30																	
16	2626	2650	2.4	.017	0.05	0.05																	
17	2650	2672	2.2	.004	Tr	Tr																	
18	2672	2690	0.8	.003	0.10	Tr																	
65419	2834	2849	1.4	.003	Tr	Tr																	
65420	2972	2986	1.4	.005	Tr	Tr																	
65421	2971	2982	1.1	.004	Tr	Tr																	

PAGE.....

HOLE No. HV 6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
65422	299.5	301.2	1.7	.010	TR	TR																			
65423	343.4	344.1	0.7	.013	0.05	0.25																			
65424	363.3	365.0	1.7	.015	TR	0.05																			
25	365.0	365.4	0.4	.021	0.05	0.05																			
26	365.4	366.8	1.4	.017	TR	0.15																			
27	366.8	367.2	0.4	.010	0.35	3.90		.0096 Au																	
28	367.2	368.6	1.4	.007	TR	0.05		0.95 Cu																	
29	368.6	369.4	0.8	.014	0.15	1.05		2.6																	
30	369.4	373.2	3.8	.010	TR	0.10																			
31	373.2	375.3	2.1	.008	TR	0.05																			
32	375.3	376.3	1.0	.013	0.05	0.35																			
33	376.3	377.7	1.4	.011	TR	0.05																			
34	377.7	382.7	5.0	.005	TR	0.05																			
65435	399.4	401.1	1.7	.008	TR	TR																			
65436	417.5	412.5	5.0	.006	0.05	TR																			
37	412.5	416.3	3.8	.005	0.05	TR																			
38	416.3	418.3	5.0	.004	TR	TR																			
39	418.3	420.8	2.5	.005	0.10	0.05																			
40	420.8	422.4	1.6	.003	0.05	0.05																			
65441	424.6	430.0	5.4	.004	0.05	0.05																			
65442	437.6	434.2	1.7	.004	TR	TR																			

PAGE.....

HOLE No. 11062.15

JEB FORM 270

D.D.H. SAMPLES

D.D.H. No. ....
Location ....
Section ....
Length ....
Latitude ....
Departure ....
Bearing ....
Dip ....

Sample Number	From	To	Samp Len	Au oz/T	Ag oz/T	Cu %				Cumulative Totals: Cum Len	Au oz/T	Cu %					Averages: Cum Len	Au oz/T	Cu %						
65443	437.9	439.2	1.4	.004	TR	TR																			
65444	444.4	445.0	0.6	.005	TR	TR																			
65445	450.5	451.6	1.1	.004	0.15	0.30																			
65446	453.0	453.7	0.7	.006	0.05	0.05																			
65447	454.9	456.0	1.1	.005	0.05	0.05																			
65448	462.9	463.7	0.8	.006	1.05	0.10																			
65449	475.9	477.1	1.2	.003	0.05	0.05																			
65450	490.4	491.6	1.2	.006	0.05	0.05																			
65451	492.1	494.8	2.7	.022	.15	.40																			
52	494.8	495.2	0.4	.028	.85	4.50																			
53	495.2	497.6	2.4	.026	.50	2.85																			
54	497.6	500.0	2.4	.018	.55	2.20																			
55	500.0	501.2	1.2	.016	.40	1.85																			
56	501.2	502.0	0.8	.005	.05	.10																			
57	502.0	507.3	5.3	.008	Tr	.05																			
58	507.3	512.6	5.3	.008	.05	.05																			
59	512.6	517.2	4.6	.005	.05	.05																			
65460	520.4	521.5	1.1	.005	.05	.05																			

(Bracketed samples 65451–55:) 0.021 Au
0.521 Ag
2.52 Cu
6.4

PAGE................

HOLE No. ...H-6215...

JEB FORM 270

D.D.H. SAMPLES

D.D.H. No. ....
Location ....
Section ....
Length ....
Latitude ....
Departure ....
Bearing ....
Dip ....

Sample Number	From	To	Samp Len	Au oz/T	As oz/T	Cu %
65461	526.0	527.0	1.0	.007	.05	.05
65462	529.1	532.2	3.2	.006	.05	.05
65463	534.2	535.0	0.8	.008	.05	.05
65464	541.9	547.7	0.8	.007	.05	.10
65465	546.0	546.5	0.5	.005	.05	Tr
65466	552.0	557.6	0.6	.004	Tr	.05
65467	589.2	590.0	1.2	.007	.05	.05
65468	597.2	598.5	1.3	.009	.05	.05
90851	612.5	615.6	3.1	.006	.05	.05
52	615.6	616.6	1.0	.006	.05	.25
53	616.6	619.0	2.4	.005	.05	.10
54	619.0	620.0	1.0	.006	.05	.25
55	620.0	621.0	1.0	.009	.05	.10
56	621.0	623.4	2.4	.008	.05	.05
90857	623.4	626.2	2.8	.022	.05	.55
58	626.2	628.5	2.3	.010	.10	.05
59	628.5	629.6	1.1	.006	.05	.05

CUMULATIVE TOTALS: Cum Len | Au oz/T | Cu % (blank)

AVERAGES: Cum Len | Au oz/T | Cu % (blank)

PAGE...............

HOLE No. Hu6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Cu %					CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
90860	649.0	650.0	3.0	.007	.05	.05																			
61	650.0	652.4	2.4	.006	.05	.05																			
62	652.4	654.1	1.7	.102	.45	4.40		*																	
63	654.1	659.1	5.0	.004	.15	.60																			
64	659.1	664.1	5.0	.002	.05	.50																			
65	664.1	666.4	2.3	.007	.25	.10																			
66	666.4	668.8	2.4	.008	.05	.20																			
67	668.8	669.9	1.1	.012	.10	.35																			
68	669.9	675.0	5.1	.003	.05	.10																			
69	675.0	676.5	1.5	.002	.05	.15																			
90870	676.5	677.6	1.1	.006	.15	1.35		.005 Au																	
71	677.6	679.6	2.0	.002	.05	.75		1.35 Cu																	
72	679.6	683.0	3.4	.007	.25	2.00		6.5																	
73	683.0	687.0	4.0	.003	.05	.15																			
74	687.0	688.5	1.5	.023	.10	.25																			
75	688.5	692.2	3.7	.003	.05	.20																			
76	692.2	697.0	4.8	.002	.05	.05																			
77	697.0	700.0	3.0	.006	.05	.15																			
78	700.0	701.5	1.5	.001	.05	.40																			
79	701.5	705.0	3.5	.001	.05	.05																			
90880	705.0	707.0	2.0	.002	.05	Tr																			
81	707.0	710.0	3.0	.001	.05	Tr																			
82	710.0	715.0	5.0	.004	.05	Tr																			
83	715.0	720.0	5.0	.002	.05	Tr																			
84	720.0	725.0	5.0	.002	.05	Tr																			
85	725.0	726.3	1.3	.001	.05	.05																			
86	726.3	730.0	3.7	008	.05	.05																			

PAGE.....

HOLE No. 6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Cu %	Cu %				CUMULATIVE TOTALS: Cum Len	Au oz/T	Cu %					AVERAGES: Cum Len	Au oz/T	Cu %							
90887	733.7	735.6		.013	.05	.05																			
90888	739.0	740.5		.005	.05	.05																			
90889	742.8	745.6		.006	.05	.05																			
65469	815.8	816.8		.007	0.05	Tr																			
65470	835.0	837.0		.007	0.05	0.05																			
71	837.0	840.3		.005	0.05	Tr																			
72	840.3	842.6		.006	0.05	Tr																			
73	842.6	846.0		.005	0.05	Tr																			
74	848.0	850.0		.005	0.05	Tr																			
75	850.0	853.7		.005	Tr	Tr																			
76	853.7	856.8		.006	Tr	Tr																			
77	856.8	858.8		.006	0.05	Tr																			
65478	876.9	880.9		.003	0.05	Tr																			
65479	942.0	944.2		.003	0.05	Tr																			
80	944.2	945.4		.002	0.10	Tr																			
81	945.4	947.0		.004	Tr	Tr																			
65482	1002.9	1003.4		.003	0.05	Tr																			
65483	1018.6	1019.2		.004	Tr	Tr																			

PAGE.....

HOLE No. ...6215.....

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	~~Ag~~ %	Cu				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
65484	1051.2	1053.0		.004	Tr	Tr																			
85	1053.0	1055.0		.003	Tr	Tr																			
86	1055.0	1056.4		.003	Tr	Tr																			
87	1056.4	1059.7		.002	.05	Tr																			
88	1059.7	1061.4		.005	.05	.05																			
89	1061.4	1063.7		.004	Tr	Tr																			
65490	1073.3	1075.0		.006	Tr	Tr																			
91	1075.0	1076.6		.002	Tr	.05																			
92	1076.6	1078.2		.004	.10	.40																			
65493	1130.8	1131.8		.016	.25	.85																			
94	1131.8	1133.0		.004	.15	.20																			
95	1133.0	1134.3		.003	.05	.05																			
96	1134.3	1137.0		.004	Tr	.05																			
97	1137.0	1138.7		.004	Tr	.05																			
98	1138.7	1142.0		.007	0.05	Tr																			
99	1142.0	1146.0		.007	Tr	Tr																			
65500	1146.0	1151.5		.008	Tr	Tr																			
70451	1151.5	1151.5		.008	0.05	Tr																			
52	1151.5	1155.4		.007	0.05	Tr																			
53	1155.4	1157.6		.009	0.05	Tr																			
54	1157.6	1161.7		.010	0.05	Tr																			
70455	1171.2	1173.4		.016	0.10	0.40																			
70456	1181.4	1183.4		.004	.05	Tr																			

PAGE.....

HOLE No. 6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Cu %	Cu %				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
70457	1195.9	1197.2		.002	.05	Tr																			
70458	1206.2	1206.7	0.5	.220	.10	.10		*																	
59	1206.7	1208.8		.019	.05	.05																			
70460	1251.5	1252.0		.020	.05	Tr																			
61	1252.0	1253.0		.002	Tr	Tr																			
70462	1303.6	1304.8		.010	0.05	0.05																			
70463	1332.5	1333.5		.001	Tr	Tr																			
64	1333.5	1336.1		.001	Tr	Tr																			
70465	1345.8	1348.2		.009	0.05	0.05																			
70466	1357.3	1358.8		.011	0.05	Tr																			
67	1358.8	1361.7		.012	0.05	Tr																			
68	1361.7	1362.1		.004	0.05	Tr																			
70469	1371.2	1373.4		.014	0.60	0.10																			
70	1373.4	1374.6		.005	0.15	0.15																			
71	1374.6	1376.1		.005	0.05	0.05																			
72	1376.1	1379.4		.007	Tr	Tr																			
73	1379.4	1381.9		.010	Tr	Tr																			
70474	1391.6	1392.7		.007	Tr	Tr																			

HOLE No. 6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag ~~Cu~~ % oz/T	Cu %	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %	AVERAGES Cum Len	Au oz/T	Cu %
70475	1399.6	1400.9		.008	Tr	Tr						
76	1400.9	1402.5		.009	Tr	Tr						
77	1402.5	1404.8		.008	0.05	0.05						
70478	1412.8	1413.9		.007	0.05	0.10						
79	1413.9	1416.1		.008	Tr	Tr						
80	1423.7	1425.0		.008	Tr	Tr						
70481	1431.0	1431.4		.008	Tr	Tr						
70482	1458.3	1458.5		.007	Tr	0.05						
70483	1476.0	1477.0		.006	Tr	Tr						
70484	1494A	496.0		.008	Tr	0.05						
70485	1507.4	1509.2		.006	Tr	Tr						
86	1509.2	1512.4		.008	Tr	0.05						
87	1512.4	1513.4		.005	Tr	0.05						
70488	1522.0	1523.0		.008	0.05	0.05						
70489	1536.0	1540.0		.007	0.05	0.05						
90	1540.0	1542.5		.0016	0.05	Tr						
91	1542.5	1547.5		.005	0.05	Tr						
92	1547.5	1550.0		.010	0.10	Tr						
93	1550.0	1555.0		.007	0.05	Tr						
94	1555.0	1560.0		.008	Tr	Tr						

PAGE.....

HOLE No. 6215

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag Cu % oz/T	Cu %				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
70495	1560.0	1562.5		.006	Tr	Tr																		
96	1562.5	1565.0		.009	0.05	Tr																		
97	1565.0	1568.0		.009	0.05	0.05																		
70498	1683.4	1686.5		.008	0.05	Tr																		
99	1686.5	1688.5		.008	0.05	Tr																		
70500	1688.5	1691.6		.008	Tr	Tr																		
79701	1691.6	1693.0		.009	Tr	0.05																		
79702	1708.3	1708.9		.008	0.05	Tr																		
79703	1736.0	1736.5		.006	0.05	Tr																		
79704	1777.2	1778.0		.008	0.05	0.10																		
79705	1862.7	1864.4		.003	Tr	Tr																		
79706	1875.5	1876.4		.004	Tr	Tr																		
07	1876.4	1880.5		.003	Tr	Tr																		
08	1880.5	1881.3		.005	Tr	0.05																		
09	1881.3	1885.0		.007	Tr	Tr																		
79710	1908.0	1908.3		.004	Tr	Tr																		
79711	1956.8	1957.2		.006	Tr	Tr																		

PAGE.....

HOLE No. 6215

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268 57657-2 et 74526-3

DIAMOND DRILL RECORD

Hole No. N-6220

Location 19-75-1 EXPL DR W

Size of core AQ

Section 536 E

Started Aug 14/81

Bearing Due South

Completed Aug 14/81

Dip 0°

Cement

Length 1008.5

Logged by [signature]

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
450'	S 16 W	S 04 E	0°
900'	S 23 W	S 03 W	+2°

acid test

100	0° 30'	600	?
200	0°	700	?
300	0°	900	0° 30'
400	0°		
500	0° 30'		

SURVEY RESULTS

Latitude

Departure

Elevation

Bearing

Dip

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0.0	60.2	Anorth.	Greenish gray 60-70% white Feldspar grains in sec matrix. From ±50 30-40% white Feldspar	Mass coalescent - Pseudo porph. Coarse grain. Locally some fault at 40-50°(CA). 50.0-51.0: Fault contact with gouge at 60°CA	Barren. 27.3-38.0: sec alt'd fault units Qc fractures filled at 45°CA. Barren. 49.9-51.0: Barren. 51.0-55.0: alt'd anorth. Lmd sec Barren
60.2	64.5	Anorth.	white	Mass marble text.	Barren

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					+ epidote
177.5		alt'd anorth	L-mdgreen Hsoi LCGl	Some sections mass	177.5 - 180.0: Locally Tr Py/Po
				Some sections L-md ss'd	180.0 - 181.5: Barren (Anorth)
			10% section of alt'd zone	~ 40°CA	181.5 - 182.1: 20-30% Py/Po
			10% section of Rel. Fresh		6-8 % Cpy
			Anorth.		182.1 - 183.9: Barren
			Probably a Highly Jointed		183.9 - 185.0: 4-6% Py/Po
			Anorth section		stringers // to
					shear + cpy spots
					(40°CA) 185.0 - 186.3: Locally grains
					of Py/Po cpy
					186.3 - 187.6: Highly Fractured
					and silicified section
					10-15% cpy mostly
					in 2" mass stringers
					at 50-60°CA.
					187.6 - 188.7: mostly
					something than
					186.3 above 1-2% cpy
					diss
					188.7 - 191.2: Barren (= Anorth)
					191.2 - 193.3. 1-2% Py/Po Tr Cpy
					diss.

PAGE................ HOLE No. NJ 6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
64.5		ANORTH.	Greenish gray 50-70% white Feldspar pheno	MASS CATACLASTIC -Pseudoporph	BARREN.
					64.5-66.9: L-md SOR with Pink $CaCO_3$ in alt'd joint BARREN.
	119.8				
119.8		alt'd zone	L-md green sone section Black HSOL 10-15% $CaCO_3$ Locally more	L-H Shd @ 40-60°CA Breccia text caused by $CaCO_3$ First contact ±60°CA	119.8-125.0: BARREN
					125.0-130.0: BARREN more than 50% CO_3 (122.2-124.0)
			From ±150.0 going to alt'd ANORTH HSOL more massive		130.0-133.4: 50-70% $CaCO_3$ with Qtz eyes BARREN
					133.4-138.4: BARREN
					138.4-143.4: BARREN
					143.4-148.4: BARREN.
	154.9				148.4-154.9: BARREN.
154.9		ANORTH.	Greenish gray 50-70% white Feldspar pheno in Ser matrix	MASS CATACLASTIC -Pseudoporph	BARREN.
	177.5				

PAGE................ HOLE No. NU6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					192.3 - 194.9: 3-5 % CPy
					mainly in 2" Qz
					stringers at 40° ca)
					+ 1% PyPo
					194.9 - 196.5: Tr Py Po CPy
					196.5 - 197.6: Diss Py Po CPy
					in Rel. Fresh Andesite)
					197.6 - 198.9: Brown Diss
					section with 10%
					white Feldspar phen
					5-6 % Py Po 1-2 % CPy
					198.9 - 199.5: 1- % Po Py
	199.5				1% CPy in Fresh Andesite
199.5		Andesite	Greenish gray 50% white	Mass ± coarse	Barren
			Feldspar phen	- Pseudo porph	
				Coarse gr	201.7 - 203.6: Some chlorite
			From 213.3 → 60-80 %		alt'd fault at 10° ca)
			white Feldspar phen		Locally TrPo
					205.7 } Fractures with Po
			From 256.8: 40-50 % white		210.9 } at 20° ca)
			Feldspar phen		
					213.2 - 213.7: Qtz stringer

PAGE............... HOLE No. NU 6220 at 50° ca). Barren.

JEB FORM 269

FOOTAGE	ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
		From ± 295.5: 60.80 % chlo		270.0-272.7: Ser alt'd fault
		Feldspar [illegible]		Black with
				some Qtz recrystallised
				stringers at 50° ca.
				Banded maybe
				a fault
				275.1-276.1: Same as 270.0
				above but at
				70° ca and Tr-1% Py
				286.9-288.7: Ser alt'd joint
				40-50° ca Tr Py
				326.3: Fracture at 20° ca
				with sphalerite
				356.5-357.0 } Black ser alt'd fault
				392.8-393.3 } at 10° ca Banding.
			405.4-405.9 ←	405.4-409.2: 1 chlorite + 1 ser alt'd fault at 60° ca, between
			maybe a dyke?	
				413.0-413.6: ½" mass Po
				± // to core

PAGE................ HOLE No. MU 6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					457.9- 459.1: Broken core + gouge
					523.6-523.9: Ser fault at 30° ca with Tr Py
					551.1-552.0: 1/4" mass Py Cp at 70° ca in ser. alt'd fault
					552.0-554.6: Finely diss Py in rel. fresh Andsite.
					565.7-570.0: Same as 552.0 above
			From ± 550 30-40% late feldspar [illegible]		582.1-582.9 Qtz vein at 60° ca Barren.
			From ± 600' 25% ser alt'd faults		600.0-601.7: Ser alt'd fault caused by a 6" Qc stringer at 50° ca Barren
					604.6-607.4: Ser alt'd fault at 70° ca Tr Py

PAGE................ HOLE No. HU6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					611.5-612.2: Ser alt'd [illegible]
					BARREN
					614.3-616.0: Ser alt'd [illegible]
					with Tr-1% Py Po
					617.4-620.0: Ser alt'd [illegible]
					BARREN.
					623.3-626.5: Ser alt'd
	627.9				[illegible] BARREN.
627.9		alt'd Anorth	[illegible] md grained md-H ser	Mass mottled	627.9-631.3: Locally grains
	631.3			md grd	of Py
631.3		Qc vein	Greenish white	Mass Contact	631.3-632.2: BARREN
	633.3			≈ 45° [illegible]	632.2-633.3: 10-12% Py Po
633.3		alt'd anorth	SAME AS 627.9 above		633.3-635.4: Locally Tr Py
					→ 635.4-637.7: Anorthosite
					BARREN
	640.6				637.7-640.6: BARREN.
640.6		alt'd zone	md-a grained H ser [illegible]	Mass-[illegible] 20-30° [illegible]	640.6-641.0: 10-15% Py Po
				Fn grn	1-2% cPy
					641.0-646.0: Locally Tr Py Po cPy
					646.0-646.5: 25% Qc 5% Py Po
					Tr-1% cPy

PAGE............... HOLE No. H-6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					646.5 - 649.1: Localy spots of Py Po Cpy
					649.1-650.0: 50% Qtz (sometime smokey) 1-2% Py Po 1% Cpy
				+ →	650.0 - 651.0: mass sulfides 60-70% Py Po 1% Cpy 5% Qtz (eyes)
	651.0				
651.0		Anorth.	greenish grey 50% dark Feldspar fiem in Ser matrix	mass coalescent -Pseudo frok coarse gr.	Barren.
					671.1-671.8: 2" Qc stringers at 45° ca with Py Po Cpy
					707.6-709.0: Ser alt'd Sanif lgreen Hsoc L.nd 55 d ≈ 30-45 ca 1% Py Po Tr Cpy
	709.0				
709.0		Gabbroic Anorth	green with ogreen grains	mass gabbroic text. coarse gr.	Barren.
	714.6				713.4-714.3: Green dyke (?)

PAGE................

HOLE No. HU 6220 at 60° cw

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
714.6		Anorth	Greenish grey-l grey 70-80% white Feldspar phen	Mass coarse cont - Pseudo porph	Barren.
			From 735.5: 50% white Feldspar phen		735.9-737.3 } H ser alt'd fault 743.5-747.8 } at 50°CA: Locally Tr Py Po Cpy
	795.0		From 775.6: sections of "Troutite texture" + increasing of SER alteration		790.0-795.0: Barren
795.0		alt'd zone	Bluish black H ser L chl - L green 10-15% $CaCO_3$ at random strike + // to shear	L-md SS dip 40-50°CA	795.0-800.0: Locally Tr Py Po 800.0-803.7: " " " 803.7-807.0: Tr-1% Py Po Cpy Tr-1% SPH
	807.0		Maybe some siderite grains and sections		
807.0		silicified alt'd Anorth	L-md green H ser Highly carbonated	Mass ± mottled Locally good Feldspar phen	807.0-812.0: Barren 812.0-817.0: Locally Tr Py Po Cpy SPH
	820.4				817.0-820.4: " "
820.4		alt'd zone	SAME AS 795.0 above	L-md SS dip 30-40°CA	820.4-825.0: Tr-1% Py Po SPH 825.0-827.9: " " " 827.9-831.2: Locally Tr Py Po SPH
	831.2				

PAGE................ HOLE No. NJ 6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
831.2		Gabbroic Anorth	Greenish grey	Mass gabbroic	Barren
			Locally some joints	text. coarse grained	
			at 40° ca		832.4-832.9: Qc stringer
					at 10° ca specks
					of SPH
					837.9-838.4: 2" Qc stringer
					at 30° ca with
					Py Cpy SPH
					843.3-843.8: Fracture at
	853.0				45° ca with Py Cpy
853.0		Anorth.	Greenish grey - L grey 60-70%	Mass coalescent	Barren.
			white feldspar in	-Pseudo porph	
			ser matrix	Some section of	870.0-875.0: many alt'd joint
				"Troctolite text"	with Py grains
					876.6-877.0: Ser-Chl alt'd
					joint with Py 10° ca
					882.4-883.1: Fracture filled
					by Py at 70° ca
					891.9-893.9: many ser-chl alt'd
					joint-1-2% Py Tr Cpy Tr SPH
					30-40° ca.

PAGE................ HOLE No. NU 6220

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					896.4-897.6: FRACTURES at at 50° CA. FILLED by Py
					900.5-901.2: SOME Py STRINGERS IN FRACTURES
					903.0-905.0: chl altd fault WITH COARSE grn Py at 60° CA.
					910.0-911.7: Sed-chl altd fault TR Py Cpy
	916.9				911.7-916.9: BANDED (ANDESITE)
916.9		MASS SULPHIDE	BROWNISH Qtz EYES IN SULPHIDE 2% CHLORITE	MOSS COARSE grn. CONTACT @ 20° CA.	916.9-920.4: 60 TO 70% Py Po 1-2% Cpy
	920.4				
920.4		ANDESITE	GREENISH GRAY 40-50% WHITE FELDSPAR PHEN SOME SECTIONS 60-70%	MOSS COALESCENT COARSE grn	920.4-922.4: BANDED 922.4-924.5: TR-1% SPH IN SED ALTD FAULT
					926.5-927.3 } TR SPH IN 931.6-932.5 } FRACTURES FILLED 936.2-937.2 } BY Qz
			END OF CORE	100.5	

PAGE.....

HOLE No. H06220

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag oz/T	Cu				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
65303	27.3	30.0	2.7	.014	0.05	0.05																			
65304	49.9	51.0	1.2	.010	0.05	0.05																			
05	51.0	56.0	4.0	.011	0.05	0.05																			
65306	64.5	66.9	1.3	.008	Tr	Tr																			
65307	119.9	125.0	5.2	.008	Tr	Tr																			
08	125.0	130.0	5.0	.008	0.05	Tr																			
09	130.0	133.4	3.4	.010	0.05	0.05																			
10	133.4	138.4	5.0	.005	0.05	0.05																			
11	138.4	143.4	5.0	.015	Tr	Tr																			
12	143.4	148.4	5.0	.011	Tr	Tr																			
13	148.4	154.9	6.5	.006	Tr	Tr																			
65314	177.5	180.0	2.5	.008	Tr	0.05																			
15	180.0	181.5	1.5	.007	Tr	0.05																			
16	181.5	182.1	0.6	.006	0.10	0.45																			
17	182.1	183.9	1.8	.006	Tr	0.05																			
18	183.5	185.0	1.1	.008	Tr	0.10																			
19	185.0	186.3	1.3	.007	Tr	0.10		.019 / 1.12			←	#													
20	186.3	187.6	1.3	.016	0.60	1.95	}	/ 2.4																	
21	187.6	189.7	1.1	.023	0.05	0.15	}																		
22	189.7	191.2	2.6	.008	Tr	0.20																			
23	191.2	193.3	2.1	.010	Tr	0.10																			
24	193.3	194.9	1.6	.016	0.05	0.40																			
25	194.9	196.5	1.6	.012	Tr	0.05																			

PAGE.....

HOLE No. M.L.6.2.2.

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu				CUMULATIVE TOTALS								AVERAGES								
										Cum Len	Au oz/T	Cu %						Cum Len	Au oz/T	Cu %						
L5326	196.5	1976	1.1	.011	Tr	0.05																				
27	1976	1995	1.3	.003	Tr	0.05																				
28	1995	1995	0.6	.005	Tr	0.05																				
L5329	201.7	203.6	1.9	.003	Tr	0.05																				
L5330	213.2	213.7	0.5	.004	Tr	Tr																				
L5331	2700	2727	27	.003	Tr	0.05																				
L5332	275.1	276.1	1.0	.003	Tr	0.05																				
L5333	286.9	288.7	1.8	.004	Tr	0.05																				
L5334	4054	4092	3.3	.007	Tr	0.05																				
L5335	551.1	552.0	0.9	.004	0.05	0.05																				
36	552.0	554.6	2.6	.004	0.05	0.05																				
L5337	565.7	570.0	4.3	.004	0.05	0.10																				
L5338	582.1	582.9	0.9	.003	Tr	Tr																				
L5339	600.0	601.7	1.7	.007	Tr	Tr																				
L5340	604.6	607.4	2.8	.003	Tr	Tr																				

PAGE.....

HOLE No. HJ6220

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	Hg %	Cu				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
5341	611.5	612.2	0.7	.004	0.05	0.05																			
5342	614.3	616.0	1.7	.004	0.05	0.05																			
5343	617.4	620.0	2.6	.004	0.05	0.05																			
5344	623.3	626.5	3.2	.003	0.05	0.05																			
5345	627.8	631.3	3.5	.006	0.05	0.05																			
46	631.3	632.2	0.9	.003	0.05	0.05																			
47	632.2	633.3	1.1	.008	0.05	0.05																			
48	633.3	635.4	2.1	.005	0.05	0.05																			
49	635.4	637.7	2.3	.006	T	0.05																			
50	637.7	640.6	2.9	.004	T	0.05																			
51	640.6	641.0	0.4	.033	0.10	0.35																			
52	641.0	646.0	5.0	.004	0.05	0.05																			
53	646.0	646.5	0.5	.019	0.05	0.05																			
54	646.5	649.1	2.6	.004	T	0.05																			
55	649.1	650.0	0.9	.003	0.05	0.20																			
56	650.0	651.0	1.0	.006	0.05	0.20																			
5357	671.1	671.9	0.7	.067	0.05	0.20																			
5358	707.6	709.0	1.3	.008	0.05	0.20																			
5359	735.9	739.3	3.2	.008	0.05	0.05																			

PAGE.....

HOLE No. HU 6.2.20

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
L5360	7435	7479	4.3	.006	Tr	0.05																			
L5361	7900	7950	5.0	.004	0.05	TR																			
62	7950	8000	5.0	.005	0.05	TR																			
63	8000	8032	3.2	.004	0.05	TR																			
64	8032	8070	3.8	.004	0.05	TR																			
65	8070	8120	5.0	.003	0.05	TR																			
66	8120	8170	5.0	.005	0.05	TR																			
67	8170	8204	3.4	.005	0.05	0.05																			
68	8204	8250	4.6	.003	0.05	0.05																			
69	8250	8299	3.9	.006	0.05	0.05																			
70	8299	8312	2.3	.007	0.05	0.05																			
L5371	8324	8329	0.5	.007	0.05	0.05																			
L5372	8379	8394	0.5	.016	0.05	0.15																			
L5373	8433	8439	0.5	.007	TR	TR																			
L5374	8700	8750	5.0	.009	0.05	0.05																			
L5375	8766	8770	0.4	.010	Tr	0.05																			
L5376	8924	8931	0.7	.008	Tr	0.05																			
L5377	8919	8935	2.0	.017	0.05	0.05																			

PAGE.....

HOLE No. 140.6270

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure 86
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag ~~Cu~~ % oz/T	Cu %				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %							
5378	896.4	897.6	1.2	.009	TR	0.15																			
5379	900.5	901.2	0.7	.007	TR	TR																			
5380	903.5	905.0	1.5	.007	0.05	0.05																			
5381	910.0	911.7	1.7	.008	0.05	TR																			
P2	911.7	916.9	5.2	.007	0.05	TR																			
P3	916.9	920.4	3.5	.012	0.15	0.15	← *																		
P4	920.4	922.4	2.0	.006	0.05	TR																			
P5	922.4	924.5	2.1	.006	0.05	0.05																			
5386	926.7	927.3	0.6	.010	0.05	0.05																			
5387	931.6	932.5	0.9	.009	0.05	0.05																			
5388	936.2	937.2	1.0	.009	0.05	0.05																			

PAGE.....

HOLE No. NU6220

Sept 41

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268 — 57657-2

DIAMOND DRILL RECORD

Hole No. HU-6314

Location 1975 Dr. W

Section 1200E

Bearing —

Dip -90°

Length 859

Size of core AQ

Started Juillet 81

Completed Août 81

Cement No

Logged by L. Chénard

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
100'	→		-90
200'	→		-87
300'	→		-87
400'	→		-88
600'	→		-90
700'	→		-90
800'	→		?

SURVEY RESULTS

Latitude

Departure

Elevation

Bearing

Dip

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0	165.0	Anorthosite	beige à gris-vert, 60-75% feldspaths non-altérés dans une matrice de séricite verte. On a quelques joints de py noire (1-2%), 1% veinules de carbonates Ala fin de la zone on a des zones très altérées mélangées avec de l'anorthosite fraîche (50%-50%)	massif, grains grossiers	stérile. -grains de py dans une fracture à 99.5 140-141.3 - veine carb+qtz à 40°cN + quelques grains py 141.3-146 - Tr py 146.0-165.0 - Tr py & Fe=0

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
165.0	190.0	Anorthosite altérée	vert moyen à vert foncé med ser verte, 30-40% feldspaths 165-175 - les feldspaths sont fracturés & remplis de ser verte et couronnés de calcite 175-190 - petits grains de feldspaths dans une matrice verte (med ser. & chlor)	grain moyen massif mais fracturé 175-190' - tendance vers "reverse texture"	tr py, & sphalérite dans des fractures, tr cpy 165.3 - 165.8 - 2% cpy 5% po
190.0	347.5	Anorthosite	60% white feldspar phenos in a grey-gn matrix of Ser. Slightly darker due to chloritization between 202.2-217.8 also finer grain in that section	grain grossier massif., Coalescent few fractures 30-35° CA	Tr Cpy Tr Pz 1% Po in fract & micro jts between 202.2 - 217.8 otherwise barren 10% Calc bands @ 40° CA 218-219 Tiny ¼" mult // to core 255 257 →
347.5	363.0	Alt'd Anorth	H Ser, M Dk grey black, 10% fine calc blebs, gobs + patches, 30-40% elongate ghost phenos.	Brecciated + Sheared @ 85° CA undulating to 45° CA 40% mottling	Barren

PAGE 2

HOLE No. 6314

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
363.0		Anorth	60% white feldspar phenos in a Lt-Md grey matrix of sericite, few minor jnts @ 40°CA expressed by 1-2" sericite	C. gr. phenos porphyritic, locally coalescent	Barren
	412.0				
412.0		Alt'd An	Lt creamy grey, H Ser, Hem 3-5% fine calcite as smears and irregular blebs, 10% obscure ghosts phenos within local 2-4" section bearing 10% fresh phenos of feldspar.	c.gr. faint mottling obscured local jnting and possibly faint shearing subparallel to core	Barren except few traces py on occasion.
	478.0				
478.0		Alt'd Zone	H alt'n in black sericite injected with 10-12% Calcite blebs and breccia infillings.	L obscured shearing 75±°CA undulating	Occ. traces py + Cpy
	516.0				
516.0		Alt'd An	Creamy white grey, H Sericite 8-10% fine calc patches few pheno outlines (obscure)	Mottled, c gr. some jnting 75-80°CA poss. insipient shearing 75-80°CA.	Virtually barren
	527.0				

PAGE.....

HOLE No. ...6314.....

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
5570		Anorth	Relat fresh with col. white fspar phenos in a 40% matrix of sericite. Few jnts 60-70°CA filled with 1/4" QC	M-C grain locally coalescent.	Barren except for rare Tr Py.
	5680				

PAGE.....

HOLE No. .....

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
568.0		Alt'd Zone Veins	Bluish grey streaked white Hsericite + Carbonatization Core is saturated with 35-40% calc-ank veinlets, ± chlor, in places	HSh 45-50° CW	3-5% Py disseminated throughout associated to carbonate lamellae, Tr Cpy, occas. blob Po
				Shearing gradually steepens to 65° CW from 625 onwards	
	657.2				
657.2		Quartz.	Bluish grey, 90% Qtz, 10% Creamy ankerite blebs + calcite breccia filling	Cgl, minor fracturing Contact	Virtually barren except for occ tr Py Cpy
	682.2				676.1 - 682.2 5% Py, 2-3% ~~Cpy, Tr Sph~~
682.2		Mix Alt'd Zone	Dirty grey black, H Ser, 40% Carbonates (calc + Ank) as shear lamellae, few pure calc streaks 1/8" at random, Very ± Chl.	M-H Shear 70-75° CW Flow blebs Quartz 6". Shearing loses intensity gradually	5-6% Py assoc. with Carbonate lamellae, occ 1% Sphal and rare speck Cpy 695.2-700.0 8% Py in a conglomerate looking assemblage of Calcite Py - Ser.
	717.2				
717.2		Mix Qtz Ank Veins	30% Creamy ankerite in a mixture of 50% Quartz + Ser.	Shearing or lineation appears to be @ 40° CW	10% Py, 2% Cpy, 1-2% Sph in Concentrated areas
	726.2				

PAGE.....

HOLE No. C314

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
726.2		Alt'd Zone	of grey, H Ser, 8-10% free calcite splashes + blebs	No Shearing, Occ 2-3% ghost pheno outlines rare jointing 40°CA	Rare speck py except 742.2-746.0 3% Py, 1% Cpy, 2% Sph in a contorted L Shear @ 40°CA
	768.0				
768.0		Alt'd An.	Lt grey, H Ser, 5% random calc. blebs + patches, 3-5% fresh fspar phenos as isolate islands	C.gr. Part mottled Part Coalescent Local sections severe texture	Barren except rare speck py
	806.0				
806.0		Anorth	Fresh Anorth, 50% white fspar phenos in a lt grey matrix of Ser from 832.0-852.0 the core looks altered to Sericite due to 1" max veinlets of Quartz bearing pyrite but undulating sub parallel to Core	C.gr. pseudo porphyritic	Locally Tr py in mini Qtz stringers // to Core
	859.0	End of	Core		

PAGE 5

HOLE No. 6314

JEB FORM 270

D.D.H. No. 6314

Location 1975 NW

Section 1200 E

D.D.H. SAMPLES

Length

Departure

Bearing —

Dip -90°

Sample Number	From	To	Samp Len	Au oz/T	Au Cu oz/T	Cu %	Ni	Co		CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %					
LD																							
90956	37.2	40.0	2.8	Tr	Tr	Tr																	
0957	99.5	100.7	1.2	.004	Tr	Tr																	
58	100.7	103.7	3.0	.004	Tr	Tr																	
90959	140.0	141.3	1.3	.001	Tr	Tr																	
60	141.3	146.0	4.7	Tr	Tr	Tr																	
61	146.0	147.7	1.7	.001	Tr	Tr																	
62	147.7	148.9	1.1	Tr	.02	.03																	
63	148.8	151.5	2.7	.002	Tr	.04																	
64	151.5	153.7	2.2	.002	.05	.06																	
65	153.7	156.5	2.8	.001	.05	.06																	
66	156.5	161.5	5.0	.003	.05	.01																	
67	161.5	165.0	3.5	Tr	Tr	.04																	
68	165.0	165.8	0.8	.002	Tr	.00																	
69	165.8	168.4	2.6	.005	.05	.08																	
70	168.4	169.7	1.3	Tr	Tr	.10																	
71	169.7	172.0	2.3	Tr	.04	Tr																	
72	172.0	175.0	3.0	Tr	.02	Tr			(17)														
90944	1750	1780	30	Tr	Tr	.10	.010	Tr															
90945	2022	204.5		.006	Tr	.05	.015	.018															
46	204.5	207.5		.001	.05	Tr	Tr	.010															
47	207.5	208.5		.002	Tr	.05	.012	.012															
48	208.5	212.0		.001	.040	.10	.012	.010															
49	212.0	214.0		Tr	Tr	.10	.010	.018															

PAGE.....

HOLE No. HU-6314

JEB FORM 270

D.D.H. No. 6314

Location

Section

D.D.H. SAMPLES

Length

Latitude

Departure

Bearing

Dip

Sample Number	From	To	Samp Len	Au oz/T	~~Hg~~ Cu %	Cu	Ni	Co		Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
										CUMULATIVE TOTALS							AVERAGES								
90950	214.0	216.8		Tr	Tr	.03	.017	.008		1															
80101	216.8	217.8		Tr	Tr	.20																			
80102	253.5	255.5		.002	Tr	.03																			
80103	298.0	298.6		Tr	Tr	.02																			
80104	323.0	324.5		Tr	Tr	.08																			
80105	353.7	354.5		Tr	Tr	.05																			
06	354.5	359.1		Tr	Tr	Tr																			
07	359.1	359.8		Tr	.05	.01																			
80108	432.4	432.9		.009	.05	.07																			
09	478.0	480.8		.003	.05	.07																			
80110	480.8	485.0		.005	.08	.09																			
11	485.0	490.0		.015	.02	.10																			
12	490.0	495.0		.006	Tr	.03																			
13	495.0	500.0		Tr	Tr	.06																			
14	500.0	502.5		.003	Tr	.01																			
15	502.5	504.0		.004	Tr	.20																			
16	504.0	506.0		Tr	Tr	.04																			
17	506.0	507.5		.006	.12	1.45																			
18	507.5	512.5		.003	Tr	.12																			
19	512.5	515.0		Tr	Tr	.02																			
80120	515.0	516.0		.017	.12	.30																			

PAGE.....

HOLE No. 6314

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Cu %	Cu %				CUMULATIVE TOTALS							AVERAGES									
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %							
80121	568.0	572.5		Tr	.02	.14																				
22	572.5	575.0	2.5	.072	.22	.90		X																		

PAGE.....

HOLE No. .....

JEB FORM 270

D.D.H. No. ....
Location ....
Section ....

D.D.H. SAMPLES

Length ....

Latitude ....
Departure ....
Bearing ....
Dip ....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu %	Ni %	Co %	
90890	575	580.0	5.0	.001	.12	.03	.015	.005	
91		585		Tr	.10	.04	.012	.020	
92		590		Tr	.10	.07	.030	.030	
93		595		Tr	.10	.05			
94	595	597.2		.003	.10	.05			
95	597.2	600.6		.004	.10	.80			
96	600.6	605.0		.006	.08	.08			
97		610		.003	.08	.01			
98		615		.005	.06	.05			
99		620		Tr	.08	.06			
90900		625		Tr	.20	Tr			
01		630		Tr	.15	Tr			
02		635		.004	.20	.05			
03		638.5		.007	.30	.60			
04		640.7		Tr	.22	Tr			
05		645		.005	Tr	.10	.008	.002	
06		650		.005	Tr	.06	.012	.030	
07		655		.003	Tr	.04	.012	.012	
08	655.0	657.2	2.2	.004	Tr	.05	.012	.010	
09	657.2	660.0	2.8	Tr	Tr	Tr	.005	Tr	
10	660.0	665	5.0	Tr	Tr	Tr	.008	Tr	
11	665.0	670	5.0	.002	Tr	Tr	.008	Tr	
12	670.0	675	5.0	.004	Tr	Tr	.008	Tr	
13	675	676.1	1.1	Tr	Tr	Tr	.020	Tr	
14	676.1	677.1	1.0	.051	Tr	0.70	.045	.020	
15	677.1	678.6	1.5	Tr	Tr	0.05	.025	Tr	
16	688.6	680.8	2.2	.005	Tr	Tr	.035	.075	

CUMULATIVE TOTALS / AVERAGES

Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Ag / Cu %	Cu	Ni	Co				
											Zn	Ni				
						90801	2.2	.010	.05	.05	.002	.02				
						02	2.8	.087	.15	.75	.008	.01				
						03	5.0	.010	Tr	.05	.003	.01	.019			
						04	5.0	.004	Tr	.05	.002	.01	0.18			
						05	5.0	.002	Tr	.05	.001	Tr	19.9			
						06	1.1	.002	Tr	Tr	.001	Tr				
		65				07	1.0	.042	.10	.75	.006	.05				
						08	1.5	.004	.05	.15	.001	.02				
						09	2.2	.002	.05	.35	.003	.04				

PAGE...............

HOLE No. L314

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu %	Ni %	Co %	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %	Ag	Zn	Ni				
90917	680.8	682.2	1.4	.006	Tr	Tr	.030	.032						908	10		.002	Tr	Tr	.001	.015				
18	682.2	686.6	2.4	Tr	Tr	Tr	.040	.035							11		.002	Tr	.05	.002	.025				
19	686.6	690.0	3.4	Tr	Tr	Tr	.040	.035							12		.002	.05	.20	.003	.035				
90920	690.0	695.2	5.2	Tr	Tr	Tr	.045	.010							13		Tr	Tr	.05	.002	.025				
21	695.2	700.0	4.8	Tr	Tr	Tr	.055	.055							14		Tr	Tr	.05	.002	.035				
22	700.0	702.2	2.2	Tr	Tr	Tr	.035	.015							15		Tr	Tr	.05	.002	.025				
23	702.2	706.0	3.8	Tr	Tr	Tr	.035	.005							16		Tr	Tr	Tr	.003	.015				
24	706.0	707.4	1.4	Tr	Tr	Tr	.050	.035							17		Tr	Tr	.05	.003	.045				
25	707.4	710.0	2.6	Tr	Tr	Tr	.035	.010							18		Tr	Tr	.05	.007	.015				
26	710.0	715.0	5.0	Tr	.08	Tr									19		Tr	Tr	.05	.005	.015				
27	715.0	717.2	2.2	Tr	Tr	Tr									20		Tr	Tr	.05	.007	.020				
28	717.2	719.2	2.0	Tr	.08	Tr									21		Tr	.15	.20	.156	.060				
29	719.2	720.2	1.0	Tr	.10	Tr									22		Tr	.10	.15	.485	.045				
90930	720.2	721.2	1.0	Tr	.15	.10									23	1.0	.019	.25	.25	.405	.125				
31	721.2	722.7	1.5	Tr	.20	.05									24	1.5	.003	.20	.35	.083	.060		0.009		
32	722.7	724.7	2.0	Tr	.20	.05									25	2.0	.007	.25	.10	1.430	.045		0.41		
33	724.7	726.3	1.6	Tr	1.20	.70									26	1.6	.011	.90	.95	1.96	.085		6.1		
34	726.3	730.0	3.7	Tr	.10	Tr									27		.002	.05	.10	.107	.075				
35	735.0	735.0	5.0	Tr	.10	Tr																			
36	735.0	740.0	5.0	Tr	.05	Tr																			
37	740.0	742.2	2.2	Tr	.30	Tr																			
38	742.2	746.0	3.8	Tr	.10	Tr								908	28		.002	.15	.15	1.32	.150				
39		750.0	4.0	Tr	.05	Tr																			
90940		755.0	5.0	Tr	.05	Tr																			
41		757.0	2.0	Tr	.08	Tr																			
42		759.4	2.4	Tr	.08	Tr																			
43		762.4	3.0	Tr	.10	Tr																			

PAGE.....

HOLE No. .....6314.....

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Latitude .....
Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Cu % dup	Cu %				CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
80123	831.3	833.6		.009	Tr	.20																			
80124	848.4	850.0		.003	Tr	.10																			

PAGE.....

HOLE No. .....

OK - mon 81

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 208

57657-2

DIAMOND DRILL RECORD

Page No. 1

Hole No. HU-6315

Location 1975 M.S.X-Cut Size of core AQ

Section 1320 E Started Oct./81

Bearing — Completed Oct/81

Dip -90° Cement Non

Length 883 Logged by L. Chénard

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
0		S-56-W	-90°
400		N-82-W	-87
600			-85
800		S-41-W	-82

SURVEY RESULTS

Latitude

Departure

Elevation

Bearing

Dip

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0		Casing			
	3				
3		Anorthosite	50-65% felds. ± fracturés dans une matrice de cer. noire, ou a une apparence d'anor. altérée donnée par des joints	grain moyen à grossier	altérée
	29.3				
29.3		Anorthosite altérée	5-15% felds. altérés en cer. verte ou en "fractures" 2-3% joints de carbonates généralement ouverts à 40°CN et allant jusqu'à 60°CN	2 shear 25-40°CN grain moyen text. porphyrique (mottling)	altérée pauf entre 40.0 et 45.0 où on a fr. pyrite disséminée
	78.6				

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
78.6		Anorth. albitisé	gris-vert à gris-beige, légèrement altéré en ser verte + rare avec quelques zones d'anorthosite fraîche, minéralisation en cpy-po entre 95.0 et 102.0, et à 86.0	grain moyen à grossier, text. pseudo-porphyrique à pommelé	78.6 - 85.8 - stérile 85.8 - 86.2 - 2-3% cpy tr po 86.2 - 93.7 - stérile 93.7 - 94.0 - 1% cpy 94.0 - 95.0 - stérile 95.0 - 96.1 - 3-4% cpy - 3% po 96.1 - 102.0 - 1% cpy tr po
	102,0				
102.0		Anorthosite	gris-beige à gris, 65-70% feldsp. dans une matrice de ser. grise, env 15% de matériel altéré correspondant à des joints (± 50°CN) altération bleue de la matrice (ser?) à quelques endroits	grain grossier massif, text. pseudo-porphyrique	rares grains de py sauf 109.6 à 113.0 - tr py + cpy - 1% po 137.8 - 139.3 - tr py, cpy 2% po
	150,0				
150.0		Anorthosite altérée	légère altération en séricite 40-50% feldsp. albitisés ± en ser verte 20% de l'anorthosite est non-altérée.	massif à légèrement folié à 45°CN	quelques grains de py 163.8 - 165 - veinules de 3% po + tr cpy à 40°CN
	175.0				

HOLE No. HU-6315

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
175.0	202.9	Anorthosite	65-70% flds non-altérés dans une matrice de ser. verte grise	massif grain grossier texture pseudo-porphyrique - coalescente	stérile
202.9	216.9	Dyke	composition gabbroique altération faible à moyenne en chlorite quelques joints de carbonates à 30°CA, contacts inférieur & supérieur à ± 50°CA	grain fin	rares grains de pyrite
216.9	313.5	Anorthosite	même qu'avant le dyke quelques joints à 50°CA entre 250 et 300' on a 10% d'anorthosite légèrement altérée	grain grossier massif texture pseudo-porphyrique coalescent	stérile

HOLE No. 114-6315

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
313.5	338.4	Anorthosite altérée	gris-vert à gris foncé 25-40% feldsp. altérés en ser mauve à vert (med ser), 5% de joints de carbonates & qtz non orientés	grain moyen à fin reverse texture low shear 45°CN ondulant jusqu'à perp.-parallèle au core, apparence fracturé (joints de carbonates)	stérile sauf à 338.1 joint contenant 3% py
338.4	393.3	Anorthosite	65-70% feldspaths non altérés, matrice verte à grise, 10% est en anorth. altérée (influence de joints) 367.1-367.6- veine qtz blanc 30°CN contenant un peu de py + cpy	grain grossier text. coalescente pseudo-porphyrique	338.4-367.1- stérile 367.1-367.6- 1% cpy - 4% py 367.6-371.0- Tr py 371.0-393.3- Stérile

HOLE No. HL-6315

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
398.3		Anorthosite altéré	gris à beige, mélange 50/50 d'anorthosite faiblement altérée et d'anorth. fraîche quelques joints de carbonates principalement à 30°CN	grain moyen à grossier massif à l'échelle sub-parallèle au core avec ondulation jusqu'à 45°CN reverse texture à coalescent	398.3-405.0 - Tr py 405.0-423.8 - rares grains de py
	423.8				
423.8		Anorthosite	couleur beige, 65% feldsp. non-altérés - fracturés	massif text. pseudo-porphy. coalescent.	stérile
	434.4				
434.4		Anorth. altérée "gabbroique"	vert moyen à foncé, altération en chlorite. composé de pyroxènes de feldsp. calciques & sodiques contacts à ± 30°CN	grain moyen massif	stérile
	441.0				

HOLE No. HU-6315

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
441.0	449.6	Anorthosite	70% feldspaths non altérés frais, altération en zoïsite, 10% de l'unité présente y est mélangée	massif.	stérile
449.6	474.2	Anorthosite	ces 70% feldspath. non altérés, matrice en ser. verte	massif, grain grossier, text. pseudo-porph. coalescente	stérile 460.6-462.9-L.C.
474.2	483.6	Anorth. altérée	couleur gris-vert à gris foncé composition gabbroïque comme vu précédemment mais un peu plus [illegible]. contacts flous à ? 35°-40°CN	grain fin à moyen léger alignement des grains à 35°CN	rares grains de py
483.6		Anorthosite	60-65% feldsp. non altérés matrice per verte & noire quelques petits joints d'anhydrite brune à 25-30°CN	massif, grain grossier text pseudo porph.-coalescent	stérile

PAGE 6

HOLE No. HU-6315

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
483.6 (suite)	554.1		à partir de 525 on a quelques grains de leucoxène ainsi que quelques joints à 55° cN		
554.1	581.6	Anorth. altérée	20-25% feldsp. altérés en pervenche (med ser), flous, l'altération change lentement en ser noire	grain moyen principalement veineuse texture apparence bréchique due aux fractures remplies de carbonates l. à med shear 1 55° cN	tr pyrite & cpy
581.6	600.0	Alter zone	lt. ser noire, l chlorite par endroits, on a une minéralisation fine de py + cpy	aphanitique med shear 55° cN ondulant vers 598' à sub // au core fractures nombreuses donnant un aspect bréchique	1 à 2% pyrite fine disséminée ou suivant le shear avec tr à 1% cpy

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
600.0		Alter zone	h. ser noire, l. chlor.	med to h. shear	600.0 - 603.3 - tr py - tr cpy
		minéralisée	minéralisation principa-	variant de 45°CN	tr po
			lement en py fine, accom-	à 70°CN (ondulations)	603.3 - 605.0 - 2% py tr cpy
			pagnée de taches de cpy	50°CN	605.0 - 608.5 - tr py
			devenant massif par bouts	aphanitique	608.5 - 609.5 - 3% py
			- présence de qtz - ankérite	60°CN	609.5 - 610.0 - 1% cpy, 7% py
			avec la minéralisation		610.0 - 610.6 - 15% cpy - 25% py
				40°CN	610.6 - 612.7 - 2% cpy - 5% py
					612.7 - 615.0 - 5% cpy - 2% po
				50°CN	10% py
					615.0 - 617.0 - 5% po - 4% cpy
					5% py
					617.0 - 618.4 - 2% cpy - 13% py
				60-75°CN	618.4 - 619.6 - 8% py - tr cpy
					619.6 - 621.3 - 5% py tr cpy
					621.3 - 622.5 - 1% cpy - 7% py
					622.5 - 625.0 - 4% cpy - 10% py
					625.0 - 626.5 - 10% cpy - 15% py
	626.5				

HOLE No. Hu-6315

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
626.5	637.5	Alter zone + qtz-ank.	alter zone (h. ser noire) mélangée avec des zones de qtz et d'ankérite. 626.5 - 629.1 - 90% qtz 629.1 - 634.8 - alter zone + ankérite (60%) avec quelques veinules de qtz à ±45°CN 634.8 - 637.4 - alter zone (40%) + quartz (55%) + ankérite (5%)	l. à med. shear de 40 à 60°CN	626.5 - 627.5 - 1% cpy. 627.5 - 630.4 - tr py - tr cpy → 630.4 - 630.9 - 85% py - 1% cpy 630.9 - 634.8 - 1% py - 1% cpy 634.8 - 637.5 - 1% cpy - 2% py
637.5	650.0	Alter zone	h. ser noire, l. chlor. avec de 5 à 10% ankérite fine dispersée 2% veinules carbonates non orientées L'altération diminue lentement vers de l'anorthosite altérée	med à h. shear généralement à 45-50°CN ondulant parfois à 70°CN	tr - 1% py dispersée et/ou suivant le shear

HOLE No. HU-6315

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
650.0		Anorth. altéré	gris-bleu à noir	grain fin à moyen	tr pyrite sauf.
			med à h. ser noire	"reverse texture"	654.0 à 657.3 - 35% py -
			45-50% feldspaths forte-	l. shear 55°CN	1% cpy
			ment altérés en ser noire		695.0 - 696.9 - L.C.
			dans une matrice de ser verte		
			de 654.0 - 657.3 - zone de		
			qtz - ankérite avec miné-		
			ralisation en py, contacts		
			à 50°CN.		
			3-5% veinules carb. prin-		
			cipalement orientées à		
			35°CN - 2-3% ankérite		
			fine disséminée dans la roche		
	712.5				
712.5		Min Alt'd Zone	M bluish grey, H Ser, L Chl	Banded & Sheared	10-15% Py, Po, Tr Py in bands
			H Carbonatization, 10% Qtz Ank	@ 60-75°CN	& smears.
	724.3				
724.3		Alt'd Zone	M Bluish grey splashed white	H Brecciation & jointed	Barren except rare speck
			H Ser, 20% calcite as blebs	generating L shear	py
			+ breccia fillings, sub rounded	@ 70°CN	
	749.0		ser fragments in Qtz (Sea island texture)		

PAGE 10

HOLE No. HU-6315

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
749.0		Alt'd Zone	Med grey Ht Ser, L Chl; 2-3% free calcite	MSh 55-60°CW	4" Py + Calc at 749.0 55°CW
					Occ Tr Py throughout
				*	757.4 - 759.6 10% Py Po Breccia Cz with Qtz - Ser.
	762.0				
762.0		Alt'd Arc	Pale grey - creamy, 40% ghost rounded phenos outlined Ht Ser, 3-5% Calc blebs ± Ht Core Tr - 1% leucox.	M-Cgr. Massive Coalescent	Rare speck Py Virtually Barren
	798.0				
798.0		Anorth	60% White feldspar phenos in a Ht greasy matrix of Ser L Ser, sometimes slightly darker but generally creamy colour (leucox + Carb)	C. gr. Partly pseudoporph partly Coalescent Massive texture 857.5 - 859.4 Tr Calc Tr Py @ 40°CW	Barren except occas speck Py
	883.0				
883.0		End of Core			

PAGE 11

HOLE No. 63-15

JEB FORM 276

D.D.H. No. HC-6315

Location .....

Section .....

D.D.H. SAMPLES

Length .....

Latitude .....

Departure .....

Bearing .....

Dip .....

Sample Number	From	To	Samp Len	Au oz/T	~~Ag~~ ~~oz~~/T	Cu %				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %							AVERAGES Cum Len	Au oz/T	Cu %							
HD																											
32079	40.0	45.0	5.0	.001	Tr	Tr																					
32080	75.0	80.0	5.0	Tr	Tr	Tr																					
81	80.0	85.0	5.0	Tr	Tr	Tr																					
82	85.0	86.5	1.5	Tr	.15	0.70																					
83	86.5	90.0	3.5	Tr	.05	Tr																					
84	90.0	95.0	5.0	Tr	.05	0.15																					
85	95.0	96.1	1.1	.010	.45	2.60	*	}		1.005																	
86	96.1	100.0	3.9	.003	.10	0.35		}		1.106																	
87	100.0	102.0	2.0	.007	.30	1.60		}		7.0																	
88	102.0	107.0	5.0	.006	.10	0.20																					
89	107.0	109.7	2.7	.008	.10	0.20																					
90	109.7	113.0	3.3	.009	.15	0.25																					
91	137.8	139.3	1.5	.010	.05	0.15																					
92	139.3	144.3	5.0	Tr	.05	0.20																					
93	150.0	155.0	5.0	Tr	Tr	0.05																					
94	155.0	160.0	5.0	Tr	.05	0.05																					
95	160.0	163.9	3.9	Tr	.10	0.10																					
96	163.9	165.0	1.1	Tr	.05	0.05																					
97	165.0	170.0	5.0	Tr	.05	0.05																					
98	170.0	175.0	5.0	Tr	.05	0.05																					

HOLE No. ....6315.....

JEB FORM 270

D.D.H. No. HU-6315

Location 1975 M.S.X-Cut

Section

D.D.H. SAMPLES

Length

Departure

Bearing

Dip -90°

Sample Number	From	To	Samp Len	Au oz/T	Ag ~~Cu~~ oz/T	Cu %								CUMULATIVE TOTALS								AVERAGES								
														Cum Len	Au oz/T	Cu %						Cum Len	Au oz/T	Cu %						
HD																														
2099	235.0	337.8	2.8	003	.05	.05																								
2100	337.8	338.5	0.7	Tr	Tr	Tr																								
2134	365.0	367.1	2.1	.002	Tr	0.10																								
35	367.1	367.8	0.7	.015	.05	0.10																								
36	367.8	371.0	3.2	Tr	Tr	0.05																								
2137	398.3	400.0	1.7	.017	.05	0.10																								
38	400.0	405.0	5.0	.002	.05	0.05																								
2139	415.0	420.0	5.0	.006	.05	0.05																								
2140	475.0	480.0	5.0	Tr	.05	0.05																								
2141	555.0	560.0	5.0	Tr	.05	Tr																								
42	560.0	565.0	5.0	Tr	.05	Tr																								
43	565.0	570.0	5.0	Tr	.05	Tr																								
44	570.0	573.0	3.0	.002	.05	Tr																								
45	575.0	580.0	5.0	.004	.05	0.05																								
46	580.0	585.0	5.0	.002	Tr	0.05																								
47	585.0	590.0	5.0	Tr	Tr	0.10																								
48	590.0	595.0	5.0	.003	Tr	0.10																								
49	595.0	600.0	5.0	.023	.10	0.75																								

HOLE No. HU-6315

JEB FORM 270

D.D.H. No. HH-6315

Location 1975 N.S. X-Cut

Section .....

D.D.H. SAMPLES

Length .....

Latitude .....

Departure .....

Bearing .....

Dip -90°

Sample Number	From	To	Samp Len	Au oz/T	Ag ~~Co~~ oz/T	Cu %				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %
HD																			
32101	600.0	603.3	3.3	.009	.15	0.90													
2	603.3	605.0	1.7	.017	.20	1.10													
3	605.0	608.5	3.5	.008	.15	0.30													
4	608.5	609.5	1.0	.029	.25	1.50	T												
5	609.5	610.0	0.5	.026	.50	3.10													
6	610.0	610.6	0.6	.184	.70	8.20													
7	610.6	612.7	2.1	.007	.40	3.25													
8	612.7	615.0	2.3	.022	.20	5.25	.027		.021										
9	615.0	617.0	2.0	.004	.35	4.75	3.38		2.47										
32110	617.0	618.4	1.4	.060	.40	2.75	16.5		2.50			.026							
11	618.4	619.6	1.2	.018	.25	1.10						3.43							
12	619.6	621.3	1.7	.009	.25	1.55						19.0							
13	621.3	622.5	1.2	.036	.25	1.30													
14	622.5	625.0	2.5	.020	.35	4.00													
15	625.0	626.5	1.5	.023	.45	5.65													
16	626.5	627.5	1.0	.010	.15	1.05													
17	627.5	630.4	2.9	.001	.05	0.10													
18	630.4	634.8	4.8	.005	.10	0.25													
19	634.8	637.5	2.7	.009	.15	1.05													
20	637.5	640.0	2.5	Tr	Tr	0.05													
21	640.0	645.0	5.0	.002	Tr	Tr													
22	645.0	650.0	5.0	Tr	Tr	Tr													
23	650.0	654.0	4.0	.003	.05	0.05													
24	654.0	657.3	3.3	.013	.15	1.05													
25	657.3	660.0	2.7	.002	.05	0.05													
26	660.0	665.0	5.0	.004	Tr	Tr													

PAGE 14

HOLE No. HH-6315

D.D.H. No. HU-6315

Location 1975 M.S.X-cut

Section

D.D.H. SAMPLES

Length

Latitude

Departure

Bearing —

Dip -90°

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	Ag oz/T	Cu %	N.	Co	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
HD																							
82127	665.0	670.0	5.0	Tr	.05	Tr																	
28	670.0	675.0	5.0	Tr	Tr	Tr																	
29	675.0	680.0	5.0	Tr	Tr	Tr																	
30	680.0	685.0	5.0	Tr	Tr	Tr																	
31	685.0	690.0	5.0	.003	.05	0.15																	
32	690.0	695.0	5.0	Tr	.05	0.05																	
	695.0	696.9	1.9	L.C.																			
82133	696.9	700.0	3.1	.002	Tr	Tr	71																
82601	700.0	705.0		Tr	.05	.10	.010	.005															
02	705.0	710.0		.001	.05	.10	.015	.010															
03	710.0	712.5		.001	.05	Tr	.015	.010															
04	712.5	713.5		.007	.25	.60	.300	.125															
05	713.5	715.0		.007	.20	.50	.160	.040															
06	715.0	718.6		.009	.25	.65	.460	.100															
07	718.6	721.0		.007	.25	.75	.300	.055															
08	721.0	724.3		.002	.10	.10	.105	.020															
09	724.3	730.0		.004	.05	.05	.010	.005															
82610	730.0	735.0		Tr	.05	Tr	.010	.005															
11	735.0	740.0		Tr	.10	Tr	.015	.005															
12	740.0	745.0		Tr	.05	Tr	.020	.005															
13	745.0	749.0		Tr	.05	.05	.015	.005															
14	749.0	751.0		Tr	.10	.10	.100	.050															
15	751.0	755.0		Tr	.05	.05	.010	.010															
16	755.0	757.4		Tr	.05	.15	.035	.025															
17	757.4	759.6		Tr	.15	.40	.385	.125															
82618	759.6	762.0		.001	.05	.10	.070	.045															

PAGE 15

HOLE No. HU-6315

JEB FORM 270

D.D.H. No. 6315

Location

Section

D.D.H. SAMPLES

Length

Latitude

Departure

Bearing

Dip

Sample Number	From	To	Samp Len	Au oz/T	Cu % Ag	Cu%				CUMULATIVE TOTALS: Cum Len	Au oz/T	Cu %					AVERAGES: Cum Len	Au oz/T	Cu %							
62919	762.0	767.0	5.0	Tr	Tr	.05																			
20	767.0	768.0	1.0	Tr	.05	.10																			
62921	857.5	859.4	1.9	.002	Tr	.05																			

PAGE 16

HOLE No. 6315

OK nov. 81

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268 — 57657-2

DIAMOND DRILL RECORD

Hole No. HU-6372

Location 1175 HW. Dr — Size of core AQ

Section 1600E — Started Sept/81

Bearing — — Completed Oct/81

Dip -90° — Cement Non

Length 925' — Logged by L. Chénard

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip

Tropari tests show the hole to be vertical, readings on azimuth are worthless

acid test.

180' → -90°
400' → -90°
600' → -90°

SURVEY RESULTS

Latitude

Departure

Elevation

Bearing

Dip

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0	3	Casing			
3	82.8	Anorthosite	65% feldspaths non altérés dans une matrice de ser noire et verte, on a aussi 5% de la roche en anorth. altéré. 5-10% de carbonatation en veinules principalement orientées entre 20 et 30° cN	massif grain grossier sauf quelques joints à 30-35° cN	stérile 30.9 - 34.4 - L.C
82.8		Anorth. altérée	35-45% feldspaths altérés en serpentine et avec des contours flous (med. gr.)	low à med shear variant entre 50° cN et sub // au core	stérile

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
82.8	(suite)		≈10% de gtz-carb. mox-orientés qui donne une texture bréchique, sans joints de cer noire	Texture bréchique due aux carbonates	stérile
	133.8				
133.8		Anorthosite	contact à 50° avec l'unité précédente, 65% feldsp non altérés dans une matrice de cer verte+noire quelques joints de carbonates à 60°CN. (comme de 0 à 82.8)	massif, grain grossier	stérile
	167.0				
167.0		Anorthosite altéré	20-25% feldspaths plus ou moins altérés en vert (et par fois noir) dans une matrice de cer verte+noire (mod. pericite) ≈7-10% carbonates en joints de directions diverses (très fracturé)	low à mod. shear 45-50°CN texture à grains arrondis avec, en quelques endroits une texture renversée vers 185°, le shear vire à 70°CN pour une largeur de pieds	stérile 170.0-175.0 - Tr py quelques grains de py à 201.6'
	206.6				

PAGE 2

HOLE No. HL-6372

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
206.6	240.8	Anorthosite	blanc-crème à gris 60-70% feldspaths non altérés dans une matrice de ser. verte & noire présence de quelques joints séricitisés à 50°CN.	grain grossier massif. texture pseudo porphyritique	stérile.
240.8	258.3	Anorth. altérée (Alter zone)	gris-brun à noir mélange d'anorth. altérée (25-30% feldo dans une matrice de ser noire (med. ser) et d'alter zone (h ser noire) 50/50 contact supérieur à 50°CN et contact inférieur à 35°CN	low à med shear 30-40°CN grain moyen à aphanitique (alter zone)	tr. py, cpy, po sauf un joint de ser-carbonates entre 246.9 et 241.4 contenant 2% cpy - 2% py - 1% po.
258.3		Anorthosite	65-70% feldspaths non-altérés dans une matrice de ser verte & noire quelques zones sont légèrement altérées (15-20%)	massif, grain moyen à grossier	stérile.

HOLE No. HU-6372

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
258.3 (suite)	325.0		correspondant à des joints de 45-55°CN	texture granulaire avec des franges pseudo-porphyriques autour de 275-280' et 320-325'	
325.0	332.5	Alter zone	gris foncé à noir, h.ser noire & verte, 5% carbonates à 45°CN (remplissage de fractures), cette unité est entrecoupée par des porphyres de felds fracturés (provenant de l'anorthosite fraîche)	med shear 45-50°CA aphanitique.	rares grains de pyrite
332.5		Anorthosite	beige à gris-verdâtre 70% feldspaths non altérés dans une matrice de ser noire & verte 15-20% de la roche est légèrement altéré (anorth. altérée) → (350 à 375')	massif, grain grossier. low shear dans les zones altérées à 40-45°CN	l'anorthosite fraîche est stérile, les zones altérées ont de tr py jusqu'à 1% py+po en grains disséminés ↳ (350-375')

HOLE No. AU-6372

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
332.5	(suite)		à partir de 375', on a 95% d'anorthosite et 5% d'anot. altérée (influence de joints)		stérile
	425.0				
425.0		Anorthosite	80% feldsp. très gr...tisé avec, de 433 à 434.5 - une zone d'altération [illegible] à 45°CA	texture "marble"	stérile 1% po dans la zone altérée
	435.0				
435.0		Anorthosite	65-70% felds non altérés dans une matrice de serpentine verte avec quelques joints (5-10%) altérés en serpentine (≟30°CA) - zone de [illegible] comme l'unité précédente de 452.0 à 454.0	grain grossier massif.	stérile.
	477.3				

PAGE 5 HOLE No. HU-6372

JEB FORM 269

FOOTAGE	ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
4773	Anorthosite altérée	40-50% felds porphyroblastiques partiellement à totalement altérés en séricite noire dans une matrice de couleur verte à grise, quelques bandes (1 à 2%) sont altérées en zoisite. L'altération passe graduellement de faible à moyenne. 547.9 - 549.0 - veine quartz-carbonate, contact à ± 45° CN contenant vers le 548.0 à 548.5 py massive + cpy, ou a quelques grains de cpy au contact inférieur de la veine	grain moyen à grossier avec certains en droits "reverse texture" - la granulométrie diminue progressivement dans l'unité	499.6 - 500.6 - veine de calcite & qtz, contact supérieur mal défini, contact inférieur à 30° CN - 3% opaque - tr py & cpy. L'unité est altérée de 477.3 à 547.0 547.0 - 549.0 - tr py 548.0 - 548.5 - 60% py - 3% cpy 548.5 - 550.0 - 1% cpy - tr py
5520	Anorthosite	65-70% felds non altérés dans une matrice de couleur verte, quelques places sont légèrement altérées (au fond de la boîte)	massif grain grossier	552.0 - 575.0 - altérée 575.0 - 609.0 - quelques grains de py dans les fonte (tr py)
6090				

PAGE 4

HOLE No. HU-6372

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
609.0		Alter zone	gris foncé à noir	grain fin à	tr - 1% py disséminé
			h. ver noire, quelques	aphanitique	
			zones (20%) sont consti-	mod. shear 50-60°	
			tuées d'amph. altéré	CA	
			fortement. -3-4% carbon-	645-650: mod-h.	
			atés en remplissage de	shear 60-70° CA	
			fractures.		

PAGE 7

HOLE No. HU-6372

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
650.0	679.2	Min Alt'd Zone	Dk grey Black M-H Ser, locally low chl, 2-3% Qtz Ank-Calc as blebs + random stringers	L-M Sh 60-70°CN	650.0-658.4 TrPy - TrCpy 658.4-660.2 2% Py, 2-3% Cpy in QCalc Breccia 660.2-663.0 Barren Ank + Qtz 663.0-664.4 1% Py - 2% Cpy in Ank Qtz Blk Ser 664.4-666.5 10% Py - 3% Cpy in Ank Black Ser shist @ 60°CN 666.5-673.0 10% PyPo - 15-20% Cpy in Quartz breccia
679.2	704.5	Alt'd Zone	L-M glassy grey H Ser, 15% Patchy calcite pseudo oriented @ 50°CN, few ghost phenos [illegible]	M Sh 50°CN-55°CN	673.0 675.5 30% Py banded with Blk Ser, Chl + Ank @ 55°CN 675.5-679.2 6-8% Cpy, 10% Py in Qtz Breccia
704.5	726.6	Anorthosite altérée	gris-vert, L-med ser. verte + noire, 10-15% felds. alt. en séricite verte ou 15-20% dans l'anorthosite fraîche épargnée [illegible] à ank. dans direction préférentielle	l. shear 50°CN	tr py disséminée

HOLE No. 6372

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
726.0	749.5	Anorthosite	gris pâle à blanchâtre 50-65% feldsp. légèrement altéré en quelques endroits en ser. verte. +15-20% anorth. altéré mélangé avec	massif à très légèrement folié à 40-45°CN text. cataclastique à grenue en quelques endroits.	tr. pyrite disséminée
749.5		Anorth. altéré minéralisée	gris-vert à gris-bleu 5-15% feldsp. altéré en ser. verte et/ou noire (med à h. séricite) 765.8-766.4 - veinule py + po massive à 60°-65°CN	l. shear 45-50°CN	tr-1% py + po en stringers orientés entre 30 et 60°CN 765.8-766.4 - 40% py - 30% po
		Alterzone →	780.0 - Alterzone, h. ser. noire, faisant partie de la zone. Minéralisation en joints ou veinules de py + po généralement entre 20 et 35°CN 786.1-786.5 - veine qtz minéralisée en py à 45°CN	med. shear ≈40°CN	Généralement minéralisé à 2-3% py, tr-1% po 784.3-785.0 - 8% py, tr po 786.1-786.5 - 5% py.

HOLE No. HU-6372

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
799.5	(suite)		800.7-802.8 - veine qtz minéralisée, contacts à 45°N		800.7-802.8 - 8% py - 2% po, tr - 1% opaq.
					802.8-804.1 - 7% py - 5% po - 1% opaq.
	805.7				
805.7		Anorth. altéré (transition zone)	10-30% felds. altérés en ser noire verte, (mod. ser) à part égale avec de l'anorthosite (60-65% felds non altérés)	massif à low shear 40°CN	sans grains de pyrite.
	820.0				
820.0		Anorthosite	60-70% felds non altérés dans une matrice de ser. verte 25% de la roche est légèrement altérée en ser verte	grain grossier massif, interl. coalescent à pseudo porphyrique	altérée. 827.3-828.0 - joint de ser. verte silicifié 40°CN
					850.0-851.7 - tr py
					856.4-858.9 - Tr py
	860.0				
860.0		Anorthosite	65-70% felds. non altérés dans une matr. de ser. verte noire	grain grossier massif texture coalescent à pseudo-porphyrique	altérée
	925.0	Fin du trou.			

PAGE 10

HOLE No. HU-6372

JEB FORM 270

D.D.H. No. HU-6372
Location 1975 HW DR
Section 1600 E

D.D.H. SAMPLES

Length

Latitude
Departure
Bearing
Dip -90°

Sample Number	From	To	Samp Len	Au oz/T	As ppm oz/T	Cu %	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %	AVERAGES Cum Len	Au oz/T	Cu %
HD												
2001	170.0	175.0	5.0	Tr	.05	0.05						
2002	201.1	202.0	0.9	Tr	.05	Tr						
3	202.0	205.0	3.0	Tr	.05	Tr						
2004	240.9	241.4	0.5	.005	.10	0.5						
5	241.4	243.0	1.6	.004	.05	0.10						
6	243.0	245.3	2.3	Tr	.05	0.25						
7	245.3	250.3	5.0	Tr	Tr	Tr						
8	250.3	252.0	1.7	Tr	Tr	Tr						
9	252.0	254.0	2.0	.002	.05	Tr						
10	254.0	255.0	1.0	Tr	.05	0.05						
11	255.0	258.5	3.5	Tr	.05	Tr						
12	258.5	260.0	1.5	.002	Tr	Tr						
2013	325.0	327.6	2.6	.003	Tr	Tr						
14	327.6	329.1	1.5	.036	105	Tr						
15	329.1	331.7	2.6	.003	.05	Tr						
16	331.7	334.1	2.4	.002	Tr	Tr						
2017	357.1	358.1	1.0	.001	Tr	Tr						
18	358.1	360.0	1.9	.001	Tr	Tr						
19	360.0	363.9	3.9	.002	Tr	.05						
20	363.9	366.5	2.6	.003	Tr	Tr						
21	366.5	370.8	4.3	Tr	Tr	Tr						
22	370.8	372.5	1.7	Tr	Tr	Tr						

HOLE No. HU-6372

JEB FORM 270

D.D.H. No. HU-6372
Location
Section

D.D.H. SAMPLES

Length

Latitude
Departure
Bearing
Dip

Sample Number	From	To	Samp Len	Au oz/T	Ag oz/T	Cu %	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %	AVERAGES Cum Len	Au oz/T	Cu %
HD												
8023	432.9	434.5	1.6	Tr	Tr	Tr						
8024	499.6	500.6	1.0	Tr	Tr	Tr						
8025	545.0	547.0	2.0	Tr	Tr	Tr						
26	547.0	548.0	1.0	Tr	Tr	Tr						
27	548.0	548.5	0.5	.023	.15	0.45						
28	548.5	550.0	1.5	.002	.05	0.20						
29	550.0	552.0	2.0	.003	Tr	0.10						
8030	582.8	584.3	1.5	.005	Tr	0.05						
8031	588.7	589.6	0.9	.005	Tr	0.05						
8032	600.0	605.0	5.0	.005	Tr	Tr						
33	605.0	610.0	5.0	.003	Tr	Tr						
34	610.0	615.0	5.0	Tr	Tr	Tr						
35	615.0	620.0	5.0	.004	.05	0.05						
36	620.0	625.0	5.0	Tr	.05	0.05						
37	625.0	630.0	5.0	Tr	.05	0.05						
38	630.0	635.0	5.0	.003	Tr	0.05						
39	635.0	640.0	5.0	Tr	Tr	Tr						
40	640.0	645.0	5.0	Tr	Tr	Tr						
41	645.0	650.0	5.0	Tr	Tr	Tr						

HOLE No. HU-6372

JEB FORM 270

D.D.H. No. 6372
Location 1975 HW Du E
Section 1600E

D.D.H. SAMPLES

Length

Latitude
Departure
Bearing
Dip

Sample Number	From	To	Samp Len	Au oz/T	Cu %	Cu				Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %		Ni	Co				
										CUMULATIVE TOTALS							AVERAGES									
22501	658.0	660.2	1.8	.013	.10	.25															.005	Tr				
02	660.2	663.0	2.8	.001	.10	.10															.005	.005				
03	663.0	664.4	1.4	.001	.10	.60															.005	.005				
04	664.4	666.5	2.1	.006	.25	2.00															.030	.025				
05	666.5	670.0	3.5	.048	.75	9.10															.150	.150				
06	670.0	670.6	0.6	.007	.10	0.55		.089			.075										.025	.100				
07	670.6	673.0	2.4	.051	.65	8.20		5.87			4.71										.100	.115				
08	673.0	675.5	2.5	.015	.25	2.35		12.5			16.6										.040	.065				
09	675.5	679.0	3.5	.215	.45	4.45															.060	.050				
22510	679.0	681.0	2.0	.080	.20	0.50															.020	.020				
11	681.0	683.1	2.1	Tr	.10	0.15															.015	.020				
12	683.1	686.6	3.5	.007	.05	0.15															.020	.020				

HOLE No. 6372

JEB FORM 270

D.D.H. No. HU-6372
Location 1975
Section

D.D.H. SAMPLES

Length

Latitude
Departure
Bearing —
Dip -90°

Sample Number	From	To	Samp Len	Au oz/T	~~Cu~~ % oz/T	Cu %				CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
HD																								
2042	700	705.0	5.0	Tr	Tr	Tr																		
43	705.0	710.0	5.0	.001	.05	0.05																		
44	710.0	715.0	5.0	Tr	.05	0.05																		
45	715.0	720.0	5.0	Tr	Tr	Tr																		
46	720.0	725.0	5.0	.005	.05	Tr																		
47	725.0	730.0	5.0	.003	Tr	Tr																		
48	730.0	735.0	5.0	.001	Tr	Tr																		
49	735.0	740.0	5.0	.002	Tr	.05																		
50	740.0	745.0	5.0	.002	.05	Tr																		
51	745.0	750.0	5.0	.002	Tr	Tr																		
52	750.0	755.0	5.0	.012	.05	0.05																		
53	755.0	760.0	5.0	.003	Tr	Tr																		
54	760.0	763.3	3.3	.002	Tr	Tr																		
55	763.3	765.7	2.4	.001	Tr	Tr																		
56	765.7	766.4	0.7	.005	.15	0.15																		
57	766.4	770.0	3.6	.002	.05	Tr																		
58	770.0	775.0	5.0	.002	.05	Tr																		
59	775.0	780.0	5.0	.002	Tr	Tr																		
60	780.0	782.3	2.3	.002	.05	Tr																		
61	782.3	784.3	2.0	.002	.15	0.15																		
62	784.3	786.0	1.7	.012	.30	0.70																		
63	786.0	786.8	0.8	.018	.15	0.25																		
64	786.8	790.0	3.2	.002	.15	0.15																		
65	790.0	791.2	1.2	.002	.10	0.05																		
66	791.2	793.3	2.1	.001	.05	Tr																		
67	793.3	795.0	1.7	.006	.05	0.05																		

HOLE No. HU-6372.

JEB FORM 270

D.D.H. No. 11U-6372
Location 1975 HW DA.
Section

D.D.H. SAMPLES

Length

Latitude
Departure
Bearing
Dip -90°

Sample Number	From	To	Samp Len	Au oz/T	Ag ~~Cu~~ oz/T	Cu %	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %	AVERAGES Cum Len	Au oz/T	Cu %
HD												
32068	795.0	798.3	3.3	Tr	.05	Tr						
69	798.3	800.7	2.4	Tr	.05	.05						
70	800.7	802.8	2.1	Tr	.10	.05						
71	802.8	804.5	1.7	Tr	.55	0.85						
72	804.5	805.7	1.2	Tr	.05	0.05						
73	805.7	810.0	4.3	.002	.05	0.05						
74	810.0	815.0	5.0	.002	.05	0.05						
75	815.0	820.0	5.0	.001	Tr	Tr						
76	850.0	851.7	1.7	Tr	Tr	0.15						
77	851.7	856.4	4.7	.002	Tr	0.05						
78	856.4	858.9	2.5	Tr	Tr	Tr						

HOLE No. 11U-6372

OK nov. 1

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268 — 57657-2 — DIAMOND DRILL RECORD — Page No. 1

Hole No. HU-6384

Location 1975 MX Cut

Section 1320

Bearing N-45°-E

Dip -78°

Length 899

Size of core Ax

Started

Completed Nov. 81

Cement

Logged by Hay

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
200			-76
400		N-47-E	-72
600			-74
800		N-60-E	-76

SURVEY RESULTS

Latitude 31258.42

Departure 57113.02

Elevation 7280.13

Bearing N-41°,36'-E

Dip -78°,14'

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0.0		Casing			
	3.0				
3.0		Anorth	60% White feldspar phenos in a med grey matrix of Ser & Chl. few 1" Calc + Qtz veins @ 20°CN, locally matrix is purplish brown dye possibly to (Carbonate & leucoxene)?	C-gr. Coalescent	Barren
	28.5				
28.5		Alt'd Anorth	2-3% grey, H Ser, 15% joint on lines of former phenos. 10-12% Calc as ¼" pits but predom 1" veins more or less regular spacing @ 20-40°CN	Mass, M-gr, some mottling resp. shear 30°CN generated by intense calcite pit infillings	Barren
	70.0				

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
70.0		Anorth.	40% fresh anorth bands	C.gr coalescent for	71.6-73.0 M Ser, Tr Po 35°CN
		Banded	intercalated with sections	Anorth.	73.0-79.0 Barren Anorth
		with alt'd	of alt'd Anorth.		79.0-82.0 M Ser, L Sd 30°CN 10% Cal, Tr Py Tr
		anorth			82.0-83.2 Calc-Ser jnt // to core
					83.2-87.0 Anorth, Barren
					87.0-90.7 Alt'd An, M Ser, 1-2% Cpy in 10% Cal 40°CN
					90.7-92.5 Anorth
					92.5-93.2 jnt Calc 20°CN Tr Py
	93.2				
93.2		Anorth	70% White fspar phenos in a	C.gr. pseudoporph	Barren except
			M grey green matrix of Ser	& coalescent	147.3-148.1 2% Cpy in jnts @ 45°CN
				Occ jnt 1" @ 50°CN	148.1-149.6 1-2% Py in jnts & Blebs
	216.5				
216.5		Alt'd An	Lt greenish grey, 40% f.gr hard	Trachytic f-m gr	Barren
			phenos in a green Matrix, M Ser	(Not a dyke - gradational	
	222.5				
222.5		Alt'd Zone	M-Dk grey, H Ser, same as 216.2	f.gr. massive	Barren
			but much more altered, 5%		
			f.gr phenos remaining.		
	228.5				

PAGE 2

HOLE No. HV-6384

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
228.5		Anorth	60% White feldspar phenos in a	Mostly Coalescent	Barren
			m green grey matrix of Ser		
			some sections dark grey matrix		
			(reverse).		
	263.0				
263.0		Alt'd Anorth	L creamy grey, M-L Ser, 30%	Mass, C. gr.	363.0-367.0 few specks py
			round pheno outlines, 3-5% Calc	Matted Coalescent	thereon Barren
			veins @ 30°CA, Low alteration	H Stress @ 15-20°CA	
				expressed by many 1/8-1/4" Calc. Veins	
	275.0				
275.0		Alt'd Anorth	Dark blue grey, H Ser, few	Possibly L Sh 25°CA	Occ Tr Lg. Cpy. sph
			grain outlines, 8-12% fine		Calc-Qtz-Ank Vn 279.4-280.1
			calcite as smears, blebs and		
			stringers, Tr-1% Pyrrho ×		
	291.2				
291.2		Alt'd Anorth	L greenish creamy grey, M-L Ser	Matted, C. gr.	Barren
			5% fine calc. veins 30°CA		
			(Same as 263.0)		
	310.0				
310.0		Anorth.	50% White phenos in a Med	Pseudoporph, C. gr.	Barren
	317.5		dirty grey matrix of Ser,		

HOLE No. 6384

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
317.5		Alt'd Zone	Mgrey, H Ser, 10% Calc +Qtz stringers & blebs, L. Chl.	f.g., L shearing 25-35° CN Evidence of brecciation	Rare speck py.
	339.5				
339.5		Anorth	65% White feldspar phenos in an med grey matrix of Ser, homogeneous with local section gonjetyed	Mass. C.g. Partly Coalescent, Partly pseudoporph. Few minor 1/32" jt Lined with calcite	Barren 408.4-409.0 2" Calc @ 30° with Ser lining 428.0-431.2 alt'd zone, sheared 25-30° CN, 25% Qtz + Calc Vnlts and shear lamellae.
	466.5				
466.5		Anorth	Same as above, 3% Qtz Vnlts predom 30° CN, occ. 45° CN, from 1/4" to 2", bearing Tr Py & occ. Tourmaline Overall matrix slightly darker	C.Gn Mass Local narrow sections L. alter to green sericite, Evidence of strain @ 30-35° CN occ. 45-50° CN generating pseudo incipient shearing	Occ Tr Py.
	528.5				
528.5		Anorth	Same as above, matrix darker, possibly on the gabbroic side	Intensification of jointing with up to one foot sets @ 40-50° CN	Tr Py, Py along jt.
	597.8				

HOLE No. 6384

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
597.8	609.3	Alt'd An	Really Anorth with sections of 10% Qtz an Ser, 10% Calc as blebs & patches, 15% fresh phenocrysts	∠ Sh. 30° CA	Tr Po, Sph.
609.3	658.4	Anorth	70% white fspar phenos in at 7grey mat of Ser,	C.g., pseudo porph & coalescent	Barren except 4" Calc Barren @ 626.0 @ 45° CA
658.4	698.0	Alt'd Zone	Med bluish grey, H Ser 5-6% free calcite blebs progressively encreasing to 15% total.	∠ Shearing 65-70° CA evidence of brecciation in places	Occ clusters of Py grains
698.0		Min alt'd zone	Dk grey, black, H Ser, Very low chlorite in places	M-H Shear varying between 55 to 90° CA.	698.0-700.0 1% Cpy, 3% Py @ 50° CA
					700.0-702.8 40% Ank, 5% Py, Tr Cpy 65°
					702.8-705.8 30% Ank 10% Py, 5% Cpy 80°
					705.8-710.4 6-8% Ank, 6% Py Po, 5-6% Cpy 60-70
					710.4-717.9 10% Ank, 60% Py, 2-3% Cpy Massive
					717.9-729.9 60% Ank, 3-5% Py, 2-4% Cpy Massive
					729.9-734.7 Banded Ank & Py, Tr-1% Cpy 90° CA
					734.7-748.4 Banded Ser & Ank, 3% Py, 1% Cpy 90° CA
					748.4-750.0 10% Calc, 10% Py, 2% Cpy 55-60° CA

HOLE No. 63 84

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
					750.0-751.6 Tr Py - Tr Cpy 50°CN
					751.6-755.0 10-15% QC, 5% Py, Tr Cpy 50°CN
					755-757.7 Tr Py, Tr Cpy @ 55°CN
					757.7-758.5 20% Qtz, Tr Py, Tr Cpy, 2% Sph, 45
	758.5				
758.5		Alt'd Zone	Dk bluish grey, H Ser, 15% fine calc as blebs & breccia infillings Occas. ghost phens outline.	fgr - aphan, Brecciated with preferred jointing @ 40-50°CN	Occas cluster of Py grains assoc mainly to QC splashes 1-2% Total.
	779.0				
779.0		Andesite	60% white fspar phenos in a lt green grey matrix of Ser dotted brown. Local narrow sections of L-H Ser @ 45-50°CN splashed with 10% Calc	Hass, C gr Coalescent some jointing 45-50°CN	Barren except for Tr-1% Py associated to alt'd sections specially 804.0-810.0 2% Tot Py
			837.3-858.2 Alt'd zone, joint ± parallel to Core, sometimes 55-60°CN locally, Tr Cpy, Tr Py, Tr sphalerite,	H to Core	Tr Py (should not be taken seriously as a shear zone)
	899.0	End of Core			

PAGE 6

HOLE No. 6384

D.D.H. No. .....

Location 1975 H X Cut

Section .....

D.D.H. SAMPLES

Length .....

Departure .....

Bearing .....

Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	~~Cu~~ % Ag	Cu	Ni	Co	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
82622	71.6	73.0		.002	.15	.65	.020	.025															
23	73.0	79.0		.020	.05	.10	.009	.005															
24	79.0	82.0		Tr	.05	.05	.005	.010															
25	82.0	83.2		.003	.05	.10	.015	.045															
26	83.2	87.0		Tr	.05	.05	.015	.005															
27	87.0	90.7		.008	.75	.85	.005	.030															
28	90.7	92.5		.002	.05	.05	.005	.005															
29	92.5	93.2		Tr	.10	.60	.005	.005															
82630	147.3	148.1		Tr	.05	.70	.005	.005															
31	148.1	149.6		.029	.05	.40	.014	.050															
82632	263.0	264.4		.001	Tr	.05	.015	.020															
33	264.4	267.0		.001	Tr	Tr	.005	.005															
34	267.0	270.0		.003	.05	.05	.005	.005															
35	270.0	275.0		.002	.05	.05	.005	.005															
36	275.0	279.4		.002	.05	Tr	.005	.005															
37	279.4	280.1		.011	.05	.05	.005	.005															
38	280.1	282.0		.002	.05	.05	.015	.015															
39	282.0	287.0		.001	.05	Tr	.005	.005															
82640	287.0	291.2		.003	.05	Tr	.005	.005															
82641	323.2	325.4		Tr	.05	Tr	.005	.005															
82642	335.2	336.2		.013	.05	Tr	.005	.005															
82643	408.4	409.0		.004	.05	Tr	.010	.010															

HOLE No. .....6384.....

JEB FORM 270

D.D.H. SAMPLES

D.D.H. No. [illegible]
Location
Section
Length
Departure
Bearing
Dip

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu	Ni	Co	
82644	428.0	431.2		.003	.05	.05	.005	.005	
82645	467.7	469.7		.002	Tr	.05	.005	.005	
82646	481.5	483.7		.001	.05	.15	.005	Tr	
47	483.7	485.3		Tr	Tr	.05	.005	Tr	
48	485.3	489.0		.002	Tr	Tr	.005	.005	
49	489.0	492.5		Tr	Tr	Tr	.005	Tr	
82650	503.0	505.5		.007	Tr	Tr	.005	Tr	
51	505.5	508.5		.002	Tr	Tr	.005	Tr	
52	508.5	512.1		.002	Tr	Tr	.005	Tr	
82653	512.[illegible]	522.6		.010	Tr	Tr	.005	Tr	
82654	528.5	530.8		.007	Tr	.010	.005	.015	
55	530.8	535.6		.002	Tr	Tr	.010	.005	
56	535.6	539.4		.001	.05	Tr	.005	.005	
82657	548.7	551.0		.003	.05	.05	.020	.010	
58	551.0	554.6		.002	Tr	.05	.005	.005	
59	554.6	557.6		.004	Tr	.05	.010	.010	
60	557.6	559.3		.003	Tr	.05	.015	.010	
82661	581.6	584.6		.005	Tr	.05	.010	.015	
62	584.6	586.6		.004	Tr	.10	.015	.010	
63	586.6	591.3		.003	Tr	.05	.010	.005	
64	591.3	592.4		.005	Tr	.05	.005	.005	

CUMULATIVE TOTALS							AVERAGES									
Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %							

PAGE 8

HOLE No. 6384

D.D.H. No. .....

Location .....

Section .....

D.D.H. SAMPLES

Departure .....

Bearing .....

Length .....

Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	Ag %	Cu	Ni	Co	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
62665	592.4	597.6		.006	Tr	Tr	.005	.005																
66	597.6	598.5		.008	Tr	.05	.005	.005																
62667	602.2	603.1		.005	.05	.10	.020	.020																
68	603.1	604.8		.004	.05	.005	.005	.005																
69	604.8	608.6		.002	Tr	.005	.010	.005																
62670	608.6	609.4		.002	Tr	Tr	.005	.005																
62671	658.4	660.0		Tr	Tr	.05	.005	.005																
72	660.0	665.0		Tr	Tr	Tr	.005	.005																
73	665.0	670.0		.003	Tr	Tr	.005	.015																
82674	670.0	675.0		Tr	Tr	Tr	.005	.005																
82691	675.0	680.0		Tr	.05	.05	.010	.005																
92	680.0	685.0		Tr	.05	.30	.005	.020																
93	685.0	690.0		Tr	.05	.15	.005	.015																
94	690.0	695.0		Tr	.05	.15	.005	.010																
95	695.0	698.0		Tr	.05	.05	.005	.010																
82696	698.0	700.0		.017	.05	.20	.005	.020																
82675	700.0	702.8	2.8	.002	.15	.10	.015	.016																
76	702.8	705.8	3.0	.009	.30	.75	.040	.050																
77	705.8	710.4	4.6	.023	.35	2.65	.090	.045							705.8	724.0	18.2	.064	2.23					
78	710.4	714.2	3.8	.047	.30	1.90	.125	.120							765.8	729.9	24.1	.052	1.89					
79	714.2	717.9	3.7	.197	.40	2.15	.170	.135																
80	717.9	721.6	3.7	.030	.25	1.35	.070	.025																
81	721.6	724.0	2.4	.017	.35	3.40	.090	.055																
82	724.0	726.8	2.8	.006	.15	0.25	.055	.035																
82683	726.8	729.9	3.1	.025	.20	1.40	.100	.110																

.052
1.89
24.1

PAGE.....9.....

HOLE No. 6384

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	~~Ag~~ % Ag	Cu	Ni	Co	CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %					AVERAGES Cum Len	Au oz/T	Cu %						
82684	729.9	731.7		.020	.15	.20	.065	.130															
85	731.7	734.7		.024	.15	.25	.080	.135															
86	734.7	737.5		.008	.10	.25	.055	.125															
87	737.5	740.0		.004	.10	.05	.025	.040															
88	740.0	743.4		.001	.05	.10	.015	.010															
89	743.4	748.4		.003	.05	.05	.010	.015															
82690	748.4	750.0		.008	.15	.15	.050	.110															
82697	750.0	751.6		Tr	.05	.15	.010	.020															
98	751.6	755.0		Tr	.10	.15	.030	.060															
99	755.0	757.7		Tr	.05	.20	.015	.035															
82700	757.7	758.4		.004	.10	.15	.030	.050															
01	758.4	762.6		.004	.15	.65	.025	.035															
02	762.6	766.4		.003	.10	.10	.025	.025															
03	766.4	772.2		.001	.10	.40	.015	.020															
04	772.2	776.6		.011	.05	.35	.065	.060															
05	776.6	779.0		.008	.10	.15	.025	.030															
82706	793.2	796.8		.007	.05	.25	.055	.050															
82707	804.0	805.0		.006	.10	.40	.060	.030															
08	805.0	807.7		.006	.05	.05	.005	.005															
09	807.7	810.0		.008	.15	.60	.115	.040															
82710	810.0	811.9		.004	.05	.15	.030	.010															
82711	817.3	819.2		.005	.05	.15	.030	.025															

HOLE No. .....6384.....

D.D.H. No. .....

Location .....

Section .....

D.D.H. SAMPLES

Length .....

Departure .....

Bearing .....

Dip .....

JEB FORM 270

Sample Number	From	To	Samp Len	Au oz/T	~~Cu~~ % Hg	Cu	Mi	Co		CUMULATIVE TOTALS							AVERAGES								
										Cum Len	Au oz/T	Cu %					Cum Len	Au oz/T	Cu %						
82712	826.6	827.9		.006	.10	.10	.125	.080																
82713	837.3	838.8		.009	.15	.05	.010	.010																
14	838.8	841.6		.005	.05	.40	.080	.020																
15	841.6	845.0		.010	.05	.05	.020	.015																
16	845.0	846.3		.008	.10	.15	.075	.125																
17	846.3	850.0		.005	.10	.15	.055	.050																
18	850.0	852.4		.006	.05	.05	.045	.065																
19	852.4	855.0		.007	.05	Tr	.020	.010																
82720	855.0	858.2		.006	Tr	Tr	.020	.015																
21	858.2	859.3		.009	Tr	Tr	.005	.005																
22	659.3	865.0		.006	.10	.10	.125	.080																

HOLE No. .....63-84.....

D.L. [illegible]

CAMPBELL CHIBOUGAMAU MINES LTD.

JEB FORM 268 — 57657-2

DIAMOND DRILL RECORD

Page No. 1

Hole No. HU 6414

Location 1975

Section 536 E

Bearing 535 E

Dip FLAT

Length 315.0

Size of core AQ

Started

Completed DEC/81

Cement

Logged by P. Boldun

TROPARI TESTS

Depth	Mag. Bng.	Corr. Bng.	Dip
200'	—		0°

SURVEY RESULTS

Latitude 30,678.77

Departure 56,591.68

Elevation 1287.35

Bearing S 31° 15'03" E

Dip +0° 12'34

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
0.0		Anort	gris clair	grains variant	stérile
			avec joint de S.	de fins à phéno-	sauf pour 162.7-164.2
			~ 30°35° - CN	cristaux parfois	1% po joint ≈ 15° CN
			70% felsp.	Coalescent, et	
			joint de Cart. de 3" à 5"	silicifié	
			à 17.3 et 38.4 et 42.1	massif)	
			~ 10°-30° CN	L. fract de Cart. ≈	
			plus de pseudo phéno	30°-40° CN	
			cristaux de 130.0-210.0	de 130.0-210.0	
			avec joint de S. à 162.7	fract ≈ 15° CN-30° CN	
			164.2 avec 1" de po,	L. Carb. fract ≈ 15° CN	
			Contact ≈ 10°-30° CN		
			215.1-217.0 joint [illegible]		
			avec H. Carb. ≈ 15°-20° CN		

JEB FORM 269

FOOTAGE		ROCK TYPE	COLOUR - ALTERATION	STRUCTURE - TEXTURE	SULPHIDES - MINOR FEATURES - REMARKS
			Grains fins de 220.0-230.0 et devient à grains moyens avec pseudo phénocristaux		
			joint de calc. à 273.2-273.9 de 3" = 35° c N		
			Dyke 285.2-286.1		
			fract. de calc - contact = 35°-40° N		
	350	FIN DU TROU			

PAGE.....

HOLE No. 6414

JEB FORM 270

D.D.H. No. .....
Location .....
Section .....

D.D.H. SAMPLES

Length .....

Departure .....
Bearing .....
Dip .....

Sample Number	From	To	Samp Len	Au oz/T	Ag % oz/T	Cu %							CUMULATIVE TOTALS Cum Len	Au oz/T	Cu %						AVERAGES Cum Len	Au oz/T	Cu %						
96799	15.5'	17.0		.004	TR	TR																						
800	17.0	18.5'		.003	0.05	TR																						
1	40.5'	40.9		TR	0.05	TR																						
2	58.1	59.8		TR	0.05	TR																						
805'	273.2	273.9		TR	0.05	TR																						
806	285.2	286.1		TR	0.05	TR																						
807	162.7	164.2		TR	0.05	TR																						
808	215.1	217.0		TR	0.10	TR																						

PAGE.....

HOLE No. 64/4