

OMNI RESOURCES INC. (INCORPORATED MINING & EXPLORATIONS CO. LTD)

DIAMOND DRILL HOLE LOG

PROJECT	CHARLESTON	HOLE No.	87-S2
COORDINATE N.	0+50S	DEPTH	611'
E.	0+75E	AZIMUTH	235°
ELEVATION	~6770'	INCLINATION	-45 (DIP -42°)
DATE STARTED	AUG 11, 1987	DRILLED BY	CARON
COMPLETED	AUG 15	ASSAYED BY	ACME
HOLE SURVEY		LOGGED BY	A. MONTGOMERY

Reason for Drilling	TEST MINERALIZED FLUIDS SOIL ANOMALY	LEGEND	DISTANCE NON-ANOMALY SITE											
Explanation of Results	VEIN THAT REVEALED FLUIDS POSSIBLY FAULTED AT DEPTH OR CUT BY POST MINERAL DYKE		<table border="1" style="font-size: small;"> <tr><td>QUARTZ</td><td>(FINE GR.)</td><td>✓</td></tr> <tr><td>EPIDOTE</td><td>SHEARING</td><td>✓</td></tr> <tr><td>DIABOLITE</td><td>FRACTURING</td><td>✓</td></tr> <tr><td>QUARTZ UN</td><td>GLUE</td><td>✓</td></tr> </table>	QUARTZ	(FINE GR.)	✓	EPIDOTE	SHEARING	✓	DIABOLITE	FRACTURING	✓	QUARTZ UN	GLUE
QUARTZ	(FINE GR.)	✓												
EPIDOTE	SHEARING	✓												
DIABOLITE	FRACTURING	✓												
QUARTZ UN	GLUE	✓												

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL			
									Sample No.	INTERCEPT	CORE LENGTH	Gr. T. Au	Gr. T. Ag	Pt (ppm)	
1			97	.40	<p>ALT'D CRS GR. MIXED GRANODIORITE</p> <p>SPECKLED GREEN & WHITE CRS GRAINED GRANODIORITE W/ ~10-15% COARSE (1mm-1cm) HORNBLONDE, ~20-30% PLAGIOCLASE & K-SPAR, AND ~60% INTERSTITIAL QZ. MAFICS PROBABLY ALT'D TO CHLORITE & EPIDOTE; FELDSPARS ALTERED TO SERICITE ESP. AT FRACTURING. MINOR</p> <p>(0'-22.4' - CASING OVERBURDEN)</p> <p>DULL GREEN FINE GRAINED PORPHYRIC (SUBROUND-PLUG PHENOS. ~1mm) ANDESITE IN SHARP CONTACT W/ GRD. (40° TO C.A.)</p> <p>SHEARING COMMON TOWARDS TOP OF HOLE @ 35°-40° TO C.A.</p> <p>ALT'N OF PROPYLITIC</p>			5 10 15 20 25 30 35 40 45 50 55							
2			94	.45	<p>DARK GREEN FINE GRAINED ANDESITE</p>										
					<p>DARK GREEN FINE GRAINED EQUIGRAULAR GROUNDMASS W/ 1% RED-BROWN TO BLACK (SOFT) PHENOCRYSTS (~1mm). GRITTY. FRACTURES LOCALLY COMMON; MINOR GYPSUM LIMED VES.</p>	<1% FINE DISS IN TOWARD UPPER CONTACT				8637	ANDESITE	3.5'	.1	.1	13
3			87	.40											

091991

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL		
									Sample No.	INTERCEPT	CORE LENGTH	O.P.T. Au	O.P.T. Ag	
					WEAKLY MAGNETIC PALE GREY-GREEN PERHYDRIC DIHYDROXIDE (~1% PINK K-SPAR MENOS, 1mm-2mm 1/2 FINE DARK MENOS.), SHARP CONTACTS AT 30°-45° TO C.A.			65						
4			99	.23	ALT'D CRS. GR. HNB'D GRANODIORITE SIMILAR TO 22.4'-48'; FELDSPAR ALT'N VARIES FROM INTENSE CLAY ALT'N (ROTTEN) TO FRESH; MAFICS GENERALLY CHLORITE DEP. ALT'D; MINOR CALCITE ALONG FRACTURES LOCALLY; SERICITE ALT'N LESS PREVALENT.		BROKEN CORE @ CONTACT →	75						
5			89	.31	LOWER CONTACT ~ 35° TO C.A.			80						
6			99	.75	DARK GREEN ANDESITE V. FINE GRAINED W/ ~ 0.5% FINE GR. DISS. EPYRITE, AND MINOR CALCITIC STRINGERS, MINOR INCLUDED CRDL; CHLORITE ALT'N TOWARD LOWER CONTACT, LOWER CONTACT 35° TO C.A.; WEAK MAGNETISM	0.5% DISS. PIRITE		90						
					ALT'D CRS. GR. HNB'D GRANODIORITE AS ABOVE GRANODIORITE; MAFICS ALT'D TO CHLORITE, FELDSPARS COMMONLY FRESH, OR PINK (K-SPAR ALT'N?) OR PALE GREEN (SERICITE)			105						
7			100	.77	EPIDOTE ALONG FRACTURES, MINOR CALCITIC STRINGERS; WEAKLY MAGNETIC TO NON-MAGNETIC 110'-121' - FRACTURING @ 30°-40° TO C.A.			110						
								115						
								120						
								125						
								130						

091991

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL			
									Sample No.	INTERSECT	CORE LENGTH	P.P.T. Au	P.P.T. Ag	Pb (P.P.T.)	
8			100	.77	140.7 - 142.0 - MOTTLED QTE - SERICITE - (CHLORITE) VEINLET @ 45° TO C.A.; HEMATITE PATCHES < 1mm - 7mm			140	8638	140.7 - 142.0	1.3'	1	.3	14	
9			96	.69	ALSO SERICITE AND/OR CLAY ALTH'N OF FELDSPARS BECOMING MORE APPARENT 159.8 - QTE/HEMATITE/Fe-CONT VEINLET < 1cm @ 45° TO C.A., MINOR SHALE STRING QTE - Fe-CONT STRINGERS / MOD SERICITE ALTH'N IN WALL ROCK CALCITIC STRINGERS MORE COMMON DOWN HOLE.			145 150 155	8639	159.1 - 160.1	1.0'	19	.1	3	
10			95	.42	173.0 - 185.0 - SERICITE - CHLORITE ± CLAY, w/ CALCITIC STRINGERS MORE PROMINENT, ROCK MOD. TO STRONGLY FRACTURED. (CALCITIC FRACTURES COMMONLY < 20° TO C.A.); NON-MAGNETIC 181.5 - QTE/Fe-CONT(?) VEINLETS (< 1cm) 50° ± 25° TO C.A. 194.0' - 200.5 : STRONG SERICITE - CHLORITE ± CONT ALTH'N ACCOMPANYING STRONG FRACTURING ± QTE VEINING; 1			160 165 170 175 180 185 190							
11			100	.32	196.5 - 197.6 - QTE-CONT (RUSTY) VEINLET (.5cm) @ 5° TO C.A.; RUSTY STAINING ON FRACTURES CRACKLE GALEATION IMMEDIATELY DOWN HOLE. 198.5 - 199.0' - WHITE UGGY (LIMONITE/ CALCITIC) QTE 0° TO C.A. 200.5 - 202.4 - DARK GREEN, FINE GRAINED PERHYDRATE (WHITE GREEN-GREEN FELDSPAR) ~ EQUIVALENT TO G.POR. CONTACTS SLIP 30° ± 50° TO C.A.; MINOR QTE -	MINOR (0.1%) DISSEMINATED FINE GRAINED PYRITE LOCALLY		195 200 205	8640	196.5 - 200.5	4.0'	20	.2	19	
12			96	.45											

091991

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL			
									Sample No.	INTERCEPT	CORE LENGTH	PPE OPT. AU	PPM OPT. AG	Pb (PPM)	
13			95	48	<p>CALCITE - ALBITE? VEINETS; ~ PROPYLITIC/PHYLLIC 202.4 - ALT'N MOD - STRONG INCLUDING PULVASCINE SERICITE, CHLORITE; CLAY/CALCITE ALONG FRACTURES COMMON; RUSTY Fe-OXIDE ALONG FRACTURES. QZ CALCITE STRINGERS 20° - 50° TO C.A. MOD FRACTURED</p>	<p>0.1% DISSEMINATED F. CR. WHITE</p>		215							
					220										
					225			8641	222.7' - 228.9'	4.0'	47	.5	10		
14			93	68	<p>222.7 - 226.4 - INTENSE BROWN Fe-CONT/SERICITE ALT'N ASSOCIATED WITH SHEARING? 50° - 80° TO C.A. (ALT'N BEGINS & ENDS ABRUPTLY)</p> <p>230.7 - WHITE/BROWN QZ / Fe-CONT? VEINETS < 1cm @ 35° TO C.A.</p> <p>236.0 - CRITTY CLAY, SERICITE, CALCITE FRACTURING DOWN HOLE TUNNELS DYKE 30°-40° TO C.A. LOWER CONTACT ~ 85° TO C.A.</p>	<p>TRE WHITE?</p>		230							
					235										
					240			8642	237.2' - 242.9'	5.7'	1	.1	7		
15			98	45	<p>TAN PROPYLITIC FLOW BAND RHYOLITE TAN COLORED, FAINTLY FLOW BAND (55° - 65° TO C.A.) ~ PROPYLITIC (CLAY ALT'D FELDSPARS & ROUND QZ AMYGDALE); MgO ASSOCIATED w/ PHENOS. CONTACTS SHARP LOWER CONTACT @ ~ 30° TO C.A.</p>	<p>PALE RUSTY WHITE</p>		245							
					250										
					255										
16			96	37	<p>ALT'D CIS GR. HUBB'D GRANODIOLITE DARK OL (CHLORITE ALT'D), GENERALLY SIMILAR TO GRANODIOLITE UNITS UP HOLE; ALT'D MODERATE TO STRONG (CHLORITE/SERICITE / 1 CLAY? ALT'N OF MICA (MICA FRESH TO ALT'D)) QUARTZ & QUARTZ-CALCITE (or Fe-CONT) VEINETS & STRINGERS COMMON; WEAK CRACKLE BRUCIA LOCALLY; CORE BROKEN & BUDGY (ALT'D @ PROPYLITIC TO PHYLLIC)</p>	<p>PALE RUSTY WHITE</p>		260							
					265			8643	259.9' - 264.9'	5.0'	3	.2	25		
					270			8644	264.9' - 269.9'	5.0'	2	.3	14		
								275							
								280	8645	284.0' - 289.0'	5.0'	80	.8	98	

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL			
									Sample No.	INTERCUT	CORE LENGTH	OPT. Au	GAT Ag	Pb (ppm)	
17		100	.75		<p>1cm wide QTR = BROWN CONT VEINLET @ 45° TO C.A. @ 268.8</p> <p>POPHYRIC ANDSITE DYKE</p> <p>(WEAKLY) ALT'D CRS GR. HINBLD GRANODIORITE</p> <p>DARK GREEN AMPHIBOLE + ANDESITE w/ 1% FINE - MD. GR. PLAGIOCLASE PEGMATITES, CONTACTS SIMP @ 30° TO C.A., MAGNETIC, MUR CALCITE STRINGERS</p> <p>SIMILAR IN GENERAL TO ABOVE GRDR, SIGNIFICANTLY FRESHER: CHLORITE ALIN OF HINBLD. MOD. MICA FRESH, FELDSPAR FRESH TO WEAK SERICITIC AT FRACTURING, MAGNETIC</p> <p>298.5 - 306' SUBROUND ZENOLITHS OF MICRO GRANODIORITE TONALITE</p> <p>309.6 - 317.0 - CALCITE/ZEOLITE? VEINLET <1cm - 2cm wide @ ~85° TO C.A., VUGGY IN PLACES, SURROUNDING GRDR. CLAY/CHLORITE ALT'D.</p> <p>317.0 - SERICITE - PALE TAN CENT? ALT'D V. STRONG ENHANCING FRACTURES? QTR VEINETS LOCALLY</p>	0.1% DISSE FOR PY		290							
18		98	.74					305	3646	309.7 - 309.1	4.3'	2	.1	5	
19		97	.87					325							
20		99	.71					350							
					<p>358.0 - 359.0 - POPHYRIC ANDSITE: DARK GREEN V. FINE GRAINED w/ CALCITE ALT'D? PLAG PEGMOS (<1/2cm) AND DARK ANDSITE? PEGMOS. (<1/2cm)</p>			355							


BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			PPB ANALYTICAL				
									Sample No.	INTERCEPT	CORE LENGTH	GRF Au	GRF Ag	Pb (PPM)		
21			93	.85	CONTACTS SHARP @ ~80° TO C.A.; w/ 1" SERICITE - CONT ACTIN ENVELOPE; MAGNETIC.											
					371.0-371.6 - CALCITE VEINLET (0.5cm wide) @ 25° TO C.A.											
					376.0 - QTZ VEINLET 4mm WIDE @ 70° TO C.A. w/ 2" SERICITE-PYRITE HALO (1% PY), ALSO ~ 0.1% FINE GRAINED GALENA. ASSOC'D w/ PYRITE.	1% CRS PYRITE 0.1% FINE GALENA IN QTZ STRINGER.										
22			93	.65	382'- 398' ACTIN VARIES FROM WEAK TO STRONG (SERICITE/SILICA/PYRITE) ADJACENT TO QTZ VEINLETS. ALSO FRACTURING & CLAYEY PALE GREEN SERICITE ALONG FRACTURES COMMON (QTZ VENS @ 382.5' 386.8 @ 30° & 30° TO C.A.)											
										3647	375.5-376.5	1.0'	6	.1	17	
23			100	.65	DARK GREEN MICRO-GRANODIORITE FINE GRAINED, DARK GREEN w/ MINOR CALCITE STRINGERS, APPEARS TO APPROX. GRANODIORITE COMPOSITION UPPER CONTACT SHARP @ 37° TO C.A., SLIGHT DIPA OF MICRO GRD. FRACTURE 50°-70° TO C.A. LOWER CONTACT BROKEN	1% CRS PYRITE PATCHES IN H.W.										
					WEAKLY ALTD CRS GR HNBLED GRANODIORITE SIMILAR IN GENERAL TO GRD ABOVE; GENERALLY FRESH w/ WEAK (SERICITE) ALT'N OF HNBLED; CALCITE STRINGERS w/ ASSOCIATED PYRITE - EPIDOTE & SERICITE/CHLORITE; WEAKLY MAGNETIC.	MINOR PYLITES WEAKLY ALTD										
24			94	.75												
25			100	.88	430.5-431.5 - RUSTY FRACTURES w/ CHLORITE/CLAY ALT'N CALCITE VEINLET @ 15° TO C.A. (CGS)											

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL	
									Sample No.	INTERCUT	CORE LENGTH	O.P.T. Au	O.P.T. Ag
26		97	.84		450.0 - SERICITE / QTE / PY ALTN ± CHLORITE / ASSOCIATED W/ NARROW CALCITE / QTE STRINGS / WUGGY REOLITE? ENCRUSTED FRACTURES RUNNING TO C.A.	0.1% - 0.5% FINE-MOD PYRITE ASSOC. W/ ALTN.		440 445 450 455 460 465 470 475 480 485 490 495 500 505					
27		98	.65		467.0-469.0 - CALCITE / REOLITE? ENCRUSTED FRACTURE @ 10° TO C.A. 471.2 - QTE / HEMATITE VEINLET (0.5cm) @ 30° TO C.A. W/ ENCRUSTING SERICITE / QTE / PY ALTN 478.2 - SIMILAR W/ @ 35° TO C.A. 483.5 - GRDL. DISTINCTLY LESS ALTD AND FRACTURED DOWN HOLE (HEAVILY MAGNETIC)	0.5% PY AT VEIN							
28		98	.84										
29		99	.97										

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL				
									Sample No.	INTEREST	CORE LENGTH	PPB OPT. Au	PPM GFT Ag	Pb (PPM)		
								515								
					WHITE DARK GREEN ANDESITE: <small>MINORITE W/ MAX FLAG. PHENOS. 0.1% DIS. PYRITE, LTR CNTC SRAPOSS TO C.A., LOWER CNT</small>			520								
30		98	80		WEAKLY ALTD CRS GR. HMBLD GRANODIORITE AS ABOVE; EPIDOTE FRACTURES			525								
					PORPHYRITIC MICROGRANODIORITE MED-DARK GREEN V. FINE GRAINED, W/ MED GRAINED WHITE <small>PLAGIOCLASE</small> & DARK GRN HMBLD PHENOCRYSTS - PHENOCRYSTS INCREASE IN NUMBER & SIZE AWAY FROM UPPER CONTACT. MINOR SHARP, THIN CALCITE STRINGES, AND MINOR PYRITE PATCHES LOCALLY; (QZT CONTENT SEEMS TO ↑ WITH PORPHYRITIC TEXTURE) CALCITE STRINGES & CHLORITE ACT'N AT UPPER CONTACT.			530								
								535								
31		98	77					540								
								545								
								550								
								555								
32		95	66		563.5 - CALCITE/ZEOLITE? WEINLET (R. 1cm) @ ~30° TO C.A. LOWER CNTC FAINT BUT SHARP @ 40° TO C.A.			560								
					FINE GRAINED GRANODIORITE MED COARSE, SPECIALLY FINE GRAINED, EQUIGRANULAR, WEAK CHLORITE ALTN; MINOR FINE GRAINED WHITE TRUSCHNET; MINOR CALCITE STRINGES; EPIDOTE - CALCITE ALTN LOCALLY INTENSE			565	8649	566.0-568.3	2.3	8	.1	13		
								570								
								575								
33		100	57		566.0-568.5 - INTENSE EPIDOTE - CALCITE ALTN; CALCITE PATCHES UP TO 3cm DIA 571.0 - QZT-CHLORITE WEINLET (0.5cm) @ 50° TO C.A. 580.2-580.4 - QZT xenolith (?)			580								

Tr - 1%, 4mm rusty py at edges of xene.

09199

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL	
									Sample No.	INTERCEPT	CORE LENGTH	O.P.T. Au	O.P.T. Ag
34			97	.84	becomes finer grained at depth.			590					
					- 598.3 - Epidote-calcite veinlet & stockwork at @ 40° to C.A. contact slightly bx & chloritized, at 55° to C.A.	1% \leq 0.5mm subhedral diss py		595					
35			97	.84	599.5 COARSE GRAINED HORNBLende GRANODIORITE As before. Predominantly fresh. Minor kalt & Epidote veins			600					
					611.0 E.O.M.		605	610					
							611						