

OMNI RESOURCES INC.

DIAMOND DRILL HOLE LOG

Reason for Drilling	TEST GEOCHEM SLAY S. OF TRENCH	LEGEND
#2 ON CHARLESTON S. GRID		
Explanation of Results	VEIN FAULTED OFF AT DEPTH ?	

PROJECT	CHARLESTON	HOLE No.	87-53
COORDINATE N.		DEPTH	
E.		AZIMUTH	295°
ELEVATION		INCLINATION	-45°
DATE STARTED	AUG. 15, 1987	DRILLED BY	CARON D.D.
COMPLETED	AUG. 17, 1987	ASSAYED BY	ACME
HOLE SURVEY		LOGGED BY	HUGH MACKINNON

					LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE		ANALYTICAL			
BOX	Run	Core	% R	R.Q.D.					Sample No.	INTERCEPT	CORE LENGTH	O.P.T. A ₈	O.P.T. A ₉	
					0-10' CASING									
10					10' DARK GREEN ANDESITE			10						
	13				V. fine to fine grained plagioclase xtls in a v. fine grained matrix; non magnetic. Mostly blocky & broken w/ fractures at 10-20° & 45° to C.A. minor calcite & epidote veins.									
	15.5	2.5			-15.8-16.9: Calcite breccia at 10-15° to C.A. w/ ±13mm angular andesite fragments.									
		4.5												
20	20				19.5' COARSE GRAINED HORNBLLENDE GRANODIORITE			20						
		2			25-30% ±13mm hornblende xtls, 15% 1-4mm euhedral to subhedral qtz xtls ~35-40% plagioclase & ~20% K spar. Minor biotite & magnetite.									
	22													
	24	2												
24.8	27	1			Upper portion weak to moderate K & epidote alt'd, either pervasive or as alteration along fractures. -25.0-25.5: Intense epidotization along vein L21									
		5												
30	30							30						
		4												
	34				-33.8-35.4: moderate propylitic alt'd									
		4												
					-37.0-38.1: Intensive epidotization, mostly, also fine grained siliceous vein at 10-20° to C.A.									

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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	Q.P.T. Ag	
2	38	1												
	39													
40		4						40						
40.5														
	43													
		5												
3	48				-47.1-48.2 : mafic xenolith (magmatic segregation?)									
		2												
50	50							50						
		5												
	55													
		2												
	57													
		3			-58.8-59.1 : 3.5mm Qtz vein									
60	60							60						
		5			-61.0-61.2 : Small irregular shaped xenolith	tr cpy								
4	65													
		5			-66.3-66.7 : mafic xenolith (?)									
70	70							70						
		5												

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[illegible]

Scale change $1'' = 10'$

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BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL			
									Sample No.	INTERCEPT	CORE LENGTH	P.P.E. O.P.T. Au	P.P.M. G.P.T. Ag	P.P.M. Pb (P.P.M.)	
7	119	5			-129.0 - 125.0: K alt'd around 3mm epidote vein at 100 to 60.			120							
	124	5													
	125.5	5.5						130							
	134.5	5													
8	140	5.5			-142.2: Mod. propylitic alt'd band			140							
	143	3						mid							
	147.5	4.5													
	150	2.5				-149.6 - 158.6: Mod. propylitic alt'd w/ crumbly core. Weak argillic alt'd. minor g.v.		150						Scale change 1" to 5'	
9	151	1						mid/weak	8626	150' - 152'	2'	11	.5	24	
	153	2			tr py				8627	152' - 154'	2'	8	2.1	342	
	155	2							8628	154 - 156.5	2.5	42	3.1	24	
	157	2													
10	160	3			-159.4 - 160.0: Alt'd contact. Fe ²⁺ ox. & carbonate stringers, brecciated (?), sericitized & chloritized. 160.0 DARK GREEN ANDESITE & FN. GR. DIORITE (?) -160.0 - 163.0: Chloritized & carbonatized w/ calcite &/or qtz vein. Very broken core, some fault gouge? -163.0 - 166.0: As above but w/ 1.5cm qtz-chl veins. Dark brown coloration - wad? -166.0 - 168.8: Fine grained diorite (may be an andesite), 40% 5.5mm plag. x'tals, 50% mafics < 10% qtz. 168.8 COARSE GRAINED HORNBLAND GRANODIORITE -169.6: qtz-carb vein 3mm, K alt'd around vein	tr py		160							
	162	2						mod	8629	160 - 161.5	1.5	64	.6	22	
	163.8	4				1% subhedral 0.5mm py			8630	161.5 - 163	1.5	5	.4	6	
	166	3							8631	163 - 164.5	1.5	1	.8	7	
11	169	1							8632	164.5 - 166	1.5	225	1.5	36	
								170							


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Scale change 1" to 10'

BOX	Run	Core	% R	R.Q.D.	LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			PPM ANALYTICAL		
									Sample No.	INTERCEPT	CORE LENGTH	Q.P.T. Au	Q.P.T. Ag	PL (PPM)
10	175	5			As before, minor Kalk'd at top. Very few fractures; minor hematite along fractures									
	178	4												
11	185	5			-185.3: Crumbly core along fracture at 70° to C.A.									
190	190	3			-188.6-190.3: med to strong propylitic dweak argill. alt'd around 3.5 cm qtz-hematite-ankerite(?) -chlorite vein at 30° to C.A.				8633	188.5-190.5	2'	3	.1	5
	193	4												
200	200	3			-198.3-198.6: Sericite-clay altered gouge(?) seam at 55° to C.A.									
12	205	5												
	210	5			-206.0-207.3: Fct chl alt'd around a sericite fracture at 15° to C.A. & a 1mm qtz-chl vein.	tr py								
210	210	5			-208.4-206.6: Qtz-calcite un at 55° to C.A.	1% 605mm py								
212	215	5			-214.0: 3mm calcite-sericite un at 50° to C.A.	tr py								
13	220	5			-218.8-219.0: 5mm qtz-calcite un at 70° to C.A.	tr-1% 0.5-1mm py			8634	218-220	2'	4	.1	7
	225	5			-220.0-220.1: 1.5cm qtz-albite(?) un 1 to C.A.	tr py			8635	220-224	4'	5	.2	5
	227	2			-220.5-223.4: Calcite-sericite, chlorite & qtz-chlorite veins & fracture fillings up to 2cm wide. Variable orientation. weak to moderate propylitic alt'd.				8636	221-225.8	1.8'	6	.6	4
230	230	3			MIXED DARK GREEN ANDESITE & FN. GR. DIORITE									
	235	5			Very fine grained to aphanitic & weakly porphyritic andesite. 4' diorite w/ 5mm plagioclase in aeg. gr. matrix.									
14	240	5			-231.3-231.6: Calcite veined & Fe spotted in gr. diorite									
	245	5			-233.3-235.2: Fe spotted & chl bleached diorite w/ vuggy calcite un at 234.6									
240	240	5			-239.0-239.8: Lower contact calcite veined, bleached & weakly brecciated andesite.									
	245	5			Sharp but broken at 55° to C.A.									
	245	5			COARSE GRAINED HORNBLANDIC GRANODIORITE									
	245	5			-242.0-243.3: Propylitic alt'd gd around qtz-calcite hematite vein				8650	242-243	1'	2	.1	7

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	
		5			Granodiorite as before; occasional epidote units & epidotization and kaalteration around unit. Minor weak to moderate propylitic alteration.			250						
250		5			Minor calcite & chlorite veinlets. Few fractures & excellent recry.									
15		5												
260		5						260						
263.8		5												
270		5						270						
16		5												
280		5			-278.0 - 281.0: Chlorite stringers, of variable attitude, & weak to moderate propylitic alt'd.			weak / med / 280						
282.0		5												
		4			-287.3 - 287.5: med grained mafic gd xenolith									
289		2						290						
290		5			-293.5 - 295.7: mafic gd xenolith (?) or prop. alt'd gd			300						
17		5			-298.2: Calcite epidote un w/ kaalteration halo									
296		5			-297.0 Sharp contact at 70° to C.A.									
300		5			MIXED DARK GREEN PORPHYRITIC ANDESITE & DARK GREY DACITE PORPHYRY.	1% subhedral to euhedral diss. PY.		300						
		5			At upper & lower contact porphyritic andesite grades into dacite porphyry. Andesite has 5-7% euhedral to subhedral 0.5-3mm plagioclase laths in an aphanitic to fi. gr matrix. Dacite is hard w/ 2261-6mm euhedral (weakly sericitized) plag. phenocrysts, 5% mafic (chlorite, biotite & magnetite) phenocr. in an aphanitic matrix. Both weakly magnetic. Amygdaloidat & vesicular at lower contact.	tr py								
309.2		4			309.2 Sharp at 70° to C.A.			310						
310		4.5			COARSE GRAINED HORNBLende GRANODIORITE									
		4.5			Granodiorite predominantly fresh.									
316		4			-309.5 trop. alt'd around 2mm un.									
318.5		4												

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					LITHOLOGY, ALTERATION, STRUCTURE	MINERALIZATION	GRAPHIC LOG	FT.	SAMPLE			ANALYTICAL		
BOX	Run	Core	% R	R.Q.D.					Sample No.	INTEREST	CORE LENGTH	O.P.T. Au	O.P.T. Ag	
		5'			Occasional xenolith									
	325						E.O.H.							
	330				330.0 E.O.H.									