

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DIAMOND DRILL LOG

W. D. G. 20/82
10/83

Project <u>WJV (IGOR)</u>	Grid Coordinates <u>35+50</u> N <u>0+13</u> E	Azimuth <u>292°</u>
Hole No. <u>82I026B</u>	Elevation <u>1214 m</u>	Total Depth <u>114.6 m (376')</u>
Date Started <u>23 June, 1982</u>	Date Completed <u>25 June, 1982</u>	Logged by <u>D. Heberlein</u>

Sample No.	% Cu	ppm U	ppm Co	CP8	Core Recovery	Depth (feet)	Geology
						10	Overburden
						20	
						30	
				65	78%	40	Homoclast Breccia - consisting of argillite and rare quartzite fragments. Alteration is restricted to microveins of chlorite and tan coloured carbonate. Specular hematite is present in trace amounts throughout matrix. Pyrite and chalcopyrite occur only within the chloritic microveins in trace quantities.
						50	
					53%	60	Heteroclast Breccia - with fragments of argillite and red and brown quartzite in a matrix of carbonate. Pink barite occurs in veins and as irregular blebs within the matrix. Chlorite occurs pervasively and in microveins. Hematite alteration is intense, making up to 30% of the matrix.

Project WJV

Page 1 of 6

Hole 82I026B

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DIAMOND DRILL LOG

Sample No.	% Cu	ppm U	ppm Co	CPS	Core Recovery	Depth (feet)	Geology
							<p>Heteroclast Breccia - as previously described except fragments are smaller with a maximum grain size of 20 mm. Tan coloured barite occurs in veins and with carbonate in matrix. Primary magnetite crystals seen to be partially replaced by chalcopyrite, pyrite and hematite. Py <1%, Cp tr, CB 5%, Ba 3%</p>
					53%	70	
				60			
					97%	80	
						90	
92.0 MOI398 94.0	0.90	1.6	108	65			
MOI399 99.0	0.58	1.0	109	60	98%		
						100	<p>Homoclast Breccia - pale green grey, sheared argillite breccia with rare quartzite fragments. Matrix mainly carbonate with fine grained hematite. Pink barite occurs in 5 cm veins.</p>
				60	100%		
						110	<p>Heteroclast Breccia - as previously described, except matrix is almost entirely hematite with veins of brown barite.</p>
					100%		
117.0 MO2001 119.0	0.03	1.2	113	60			<p>Homoclast Breccia - as previously described. This breccia intersection may be a large fragment within heteroclast breccia. Contacts are sharp and sheared. Chlorite in matrix.</p>
					72%	120	
				62			<p>Heteroclast Breccia - as previously described.</p>
					96%	130	
							<p>Homoclast Breccia - with a matrix of carbonate and barite. The barite also occurs in veins. Gypsum microveins are also present.</p>

Project

WJV

Page 2 of 6

Hole

821026B

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DIAMOND DRILL LOG

Sample No.	% Cu	ppm U	ppm Co	CPS	Core Recovery	Depth (feet)	Geology
						140	Homoclast Breccia - as previously described.
						150	
				62	96 %	160	
						170	Heteroclast Breccia - vein or crosscutting dyke with intense chlorite alteration giving rock a green colour. Trace amounts of pyrite and chalcopyrite seen to replace magnetite.
172.0					91%		
M02002 177.0	< 0.01	2.8	145	80			Heteroclast Breccia - as previously described except for moderate albitization giving a pink colour. This interval is finer grained.
M02003 180.5	0.04	8.5	315	100	100%		Py <1%, Cp tr, CB 3-5%
M01508 187.0	0.02	62.0	111	75	100%		
M02004 189.0	0.07	1.8	80	60			Clast-Deficient Breccia - with relic outlines of clasts. Matrix is mainly carbonate with chlorite microveins. Euhedral magnetites replaced by hematite. Albite occurs pervasively.
M02005 193.0	0.05	37.0	350	175			Py tr, Cp tr, CB 3%, Mg <1%
M02006 195.0	0.01	1.8	43	70	100%		
M02007 200.0	< 0.01	1.7	41	65			
				75	100%	200	Heteroclast Breccia - as described above. Hematite is most intense alteration mineral occurring throughout matrix. Gypsum present in microveins.
						210	

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DIAMOND DRILL LOG

Sample No.	% Cu	ppm U	ppm Co	CPS	Core Recovery	Depth (feet)	Geology
					100%		▲ Clast-Deficient Breccia - fine grained matrix of carbonate, albite and barite with disseminated pyrite and magnetite. Py <1%, Cp tr, CB 30%, Ab 10%, Mg 3%
						220	Δ Heteroclast Breccia - quartzite fragments in predominantly carbonate matrix. Albite gives core pink colours, chlorite occurs in microveins. Pyrite is finely disseminated.
				75	100%		Py <1%, Cp tr, CB 30%, Ab 5%, Mg 3%
						230	
						240	
242.0							
M02008	0.01	24.0	270	125			▲ Clast-Deficient Breccia - intensely albitized. Carbonate and chlorite occur in microveins. Pyrite is disseminated.
247.0							
M02009	< 0.01	0.9	235	80	87%	250	▲ Py <1%, Cp tr, Ab 20%, CB 5%, Mg 1%
251.0							
					100%	260	Δ Heteroclast Breccia - as previously described.
				70			○ Homoclast Breccia - as previously described, except quartzite fragments dominant in this intersection.
					100%	270	Py 1%, Cp ½%, CB 3%, Mg 1%, Ab ½%
					100%	280	Zone of Intense Chloritization.
					92%		▲ Clast-Deficient Breccia - mostly carbonate with micro-veins of barite. Albite pervasive in carbonate matrix.

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Sample No.	% Cu	ppm U	ppm Co	CPS	Core Recovery	Depth (feet)	Geology
					92%	290	Clast-Deficient Breccia - see description on previous page.
				70		300	Clast-Deficient Breccia - magnetite rich with pervasive chlorite. Carbonate forms most of the matrix. Pyrite is disseminated throughout. Py 1%, Cp tr, CB 30%, Mg 10%, Ba 1%
M02010 305.0 307.0	0.01	9.0	43	70			Intense albite alteration Ab 40%
M02011 312.5	<0.01	0.3	71	65	95%	310	Clast-Deficient Breccia - as above. Py <1%, Cp tr
M02012 313.0	<0.01	0.6	110	70			
M02013 318.0	0.03	0.3	275	65			
M02014 321.0	<0.01	4.0	240			320	
M01509 324.0	0.01	5.4	220	60			
M02015 326.0	<0.01	0.3	83	70			
				68	91%	330	Homoclast Breccia - with pervasive carbonate, hematite and chlorite. Pyrite is disseminated. Py 1%, Cp tr, CB 10%, Mg 3%
M02016 335.0 337.0	<0.01	1.2	18	65			
				65		340	Clast-Deficient Breccia - magnetite in a carbonate matrix. Chlorite moderately intense, occurring in veins and pervasively. More chloritic intervals. Very pyritic. Py 10%, Cp tr, Mg 40%, CB 30%, Cl 10%
M02017 346.0	0.01	1.1	280	70			
M02018 350.0	<0.01	0.8	375	65	98%	350	
M02019 355.0	<0.01	0.8	350	60			
M02020 359.0	<0.01	0.9	220	65			
						360	

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Sample No.	% Cu	ppm U	ppm Co	CPS	Core Recovery	Depth (feet)	Geology
M02021 363.0	<0.01	0.7	93	65	98%		
M02022 367.0	<0.01	0.8	280	65			
				60	100%	370	Homoclast Breccia - pervasive hematite alteration with chlorite in veins and in matrix. Pyrite is disseminated through chloritic intervals. Py 2%, Cp tr, He 20%, CB 5%, C1 20%
M02023 373.0	<0.01	1.4	32	55			
						380	End of Hole.

ACM

Page 6 of 6

Hot

821026B