Ref No 2583

DRILLING TARGET:—

REMARKS:—

SURVEY DATA			ASSAY DATA										
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	ASSAY RESULTS HCl.Sol.Fe					
			710297	92	103	9	81.8	22.4%					

GEOLOGICAL LOG

Logged by:—

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
0	64	34	53.1	Decomposed sheared Amphibolite. Minor Limonite between 52' and 53'6", and between 57' and 58'.		
64	73	4	44.4	Amphibolite - green to brown in colour, decomposed in part. Minor talc.		
73	76	3	33.3	Soft silvery-grey talcose Amphibolite, considerably sheared		
76	82	4	66.6	Talcose Amphibolite - soft, puggy, silver-white in colour.		
82	92	-	Nil	No Core (Talcose Amphibolite ?)		
92	99	5	71.4	Weathered rusty coloured oxidised Magnetite in a talcose Amphibolite		
99	103	4	100.0	Brown weathered Amphibolite with minor oxidised Magnetite grains		
103	113	4	40.0	Soft greenish-white weathered Talcose Amphibolite		

Continued over:—

INDUSTRIAL & MINING INVESTIGATIONS PTY. LIMITED

DIAMOND DRILL CORE RECORD

No Core held.

HOLE No.:— 47	MAP SHEET No.	DISTRICT SAVAGE RIVER	LOCATION OF SITE:— NORTHERN DEPOSIT

AMG Co-ords: 335159E 5406878N.

R.L. OF SITE:— Approx. 620 ft.	SITE SURVEY ON MAP No.:—	CORE SIZE:—
BEARING OF HOLE:—273° Magnetic	AIR PHOTO No.:—	COMMENCED:— 16th Dec. 1970
INCLINATION OF HOLE:— 0-300ft 60°, 400ft 56°, 500ft. 540	DRILL:— Diamond	COMPLETED:— 22nd Jan. 1971
CO-ORDS. OF SITE:— Traverse D4, 230'E,- 25'N	DRILLER:— A.D.D.	FINAL DEPTH:— 600 ft

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FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
113		117		2		50.0	Soft green to brown weathered talcose Amphibolite - sheared.		
117		120		2		66.6	As for 73'-76' i.e. Talcose Amphibolite		
120		124		3		75.0	As for 113'-117'		
124		128		3		75.0	Brown decomposed Amphibolite		
128		129'6"		1'6"		100.0	Grey green soft puggy Amphibolite		
129'6"		132'		2'6"		100.0	Soft crumbly dark green Amphibolite with minor Pyrite		
132'		135'6"		3'6"		100.0	Schistose Amphibolite altering to serpentine in places. Pyrite present		
135'6"		152'		13'6"		81.8	Soft, puggy dark green serpentinous sheared Amphibolite.		
152		155		1		33.3	Puggy Amphibolite with minor sugary grains of Magnetite		
155		160'6"		5'6"		100.0	Fragmentary Amphibolite with Pyrite. Magnetite present in last 6 inches.		
160'6"		176'		15'6"		100.0	Magnetite with minor Amphibolite and carbonate veins. Pyrite present. Amphibolite has been serpentinised between 165' and 168' - sheared Magnetite is sugary between 160'6" and 168 ft. and harder from 168'-176' From 169'9"-170'3" calcite veins contain Pyrite cubes.		
176		108'6"		32'6"		100.0	Similar to above. Asbestos present in serpentine zones.		
20[illegible]"		210'6"		2		100.0	Sulphide Zone with minor serpentinous Amphibolite & Magnetite		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS H.Cl.	ASSAY RESULTS Sol. Fe
710298	152		160'6"		6'6"		76.5		7.3%
710299	160'6'		171		10'6"		100.0		44.8%
710300	171'		182'		11'0"		100.0		48.6%
710301	182'		192'		10'0		100.0		48.5%
710302	192'		202'		10!0		100.0		48.2%

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
210	6"	212	6"	2'	6"	100.0	Magnetite and Amphibolite (serpentinised) with minor Pyrite.		
212	6"	217		4'6"		100.0	Sheared serpentinous Amphibolite with minor Magnetite. Pyrite and asbestos present.		
217		226		9		100.0	Hard Magnetite with minor serpentinised Amphibolite, carbonate and pyrite. More gangue results in softer ore.		
226		229		3		100.0	Softer Magnetite with Amphibolite and considerable Pyrite. Occasional carbonate.		
229		251		32		100.0	Magnetite with minor serpentinous Amphibolite, Pyrite and Asbestos. Core is broken. A sheared zone exists between 229' and 236'.		
25[illegible]		253		2		100.0	Extremely broken Amphibolite and Magnetite - "Shear Zone". Pyrite present.		
253		256		3		100.0	Broken Amphibolite with minor blebs of Magnetite. Pyrite present "Shear Zone"		
256		272		16		100.0	Serpentinous Amphibolite with Pyrite and Asbestos. Core broken and sheared.		
272		273	6"	1'6"		100.0	Sheared Amphibolite with abundant carbonate veins.		
27[illegible]'6"		289	6"	16		100.0	Occasional Magnetite blebs between 289' and 289'6"		
289	6"	309	6"	20		100.0	Amphibolite - massive and fine grained with minor carbonate and Haematite veinlets. Epidote and pyrite present. Occasional "slickenslide".		
309	6"	318	6"	9		100.0	Amphibolite - sheared and serpentinised in part. Epidote & pyrite present.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	ASSAY RESULTS HCl.Sol.Fe
710303	202		212		10'		100%	35.2%
710304	212		217		5'		100%	23.9%
710305	217		226		9'		100%	41.6%
710306	226		236		10'		100%	45.2%
710307	236		246		10'		100%	45.2%
710308	246		253		7'		100%	34.0%

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
318'6"	322'	3'6"	100.0	Amphibolite - slightly sheared - carbonate & pyrite.		
322'	341'	19'	100.0	Amphibolite - Massive - epidote & pyrite present - m minor Haematite veinlets.		
341'	342'6"	1'6"	100.0	Amphibolite - sheared and metasomatised with abundant Epidote and flecks of Haematite.Pyrite present.		
342'6"	363'	19'6"	100.0	Amphibolite - massive with Epidote, pyrite and haematite veinlets. 347'-347'9" - considerable Epidote		
363'	423'	60'	100.00	Amphibolite - sheared and metasomatised. Abundant Epidote - flecked appearance. Pyrite present. Occasional carbonate & Haematite veinlets. Magnetite flecks present - less conspicuous from 398'-423' - from 1mm to 5mm in size - occasional Magnetite aggregates in carbonate		
				"CEEAR CONTACT"		
423'	434'6"	11'6"	100.0	Amphibolite - massive and fine grained with veinlets of carbonate, Haematite and Epidote. Occasional small flecks of Magnetite, especially near contact with previous rock type - up to 3mm in size 424'5"-424'10") 429' -429'0½") Epidote abundant		
				"CLEAR CONTACT"		
434'6"	482'9"	40'9"	85.0	Amphibolite - metasomatised - minor epidote, pyrite, Haematite and Magnetite flecks. Approx. 448'- 1/8 " Magnetite veinlet 465' - " " 465'3"- " " 469' - " aggregate with epidote and carbonate 477 - 1/8" Magnetite veinlet with carbonate Epidote more abundant from 448'6" to 482'9" - mottled effect, as are the Magnetite flecks.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	ASSAY RESULTS

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
482'9"	487'	4'3"	100	"Shear Zone" extremely broken Amphibolite		
487'	491'?	)		Amphibolite with minor Magnetite - extremely crushed and broken core. Pyrite.		
491'	496'?	)9'	50.0	Magnetite - with minor serpentinised amphibolite & pyrite		
496'?	505'	)		Amphibolite - slightly sheared - minor carbonate - core broken. Pyrite present.		
505'	529'	21'	87.5	As above but with occasional Magnetite flecks (up to 5mm) and Haematite plus carbonate veinlets.		
529'	600'	57	80.3	Predominantly sheared and metasomatised Amphibolite with Pyrite and occasional Magnetite flecks, e.g. 587'-592'6" - up to 5mm in size in a fine grained host.		
				HOLE TERMINATED		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	ASSAY RESULTS HCl.Sol.Fe	
710309	487	497	4	40		40.4

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