1 0269

Ref No 2587

DRILLING TARGET:—

REMARKS:—

SURVEY DATA			ASSAY DATA										
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	%	HCl Sol.Fe%	ASSAY RESULTS				
			735880	242'	250'	8	100	11.0					
			881	250'	260'	10	100	5.0					
			882	345'	355'	10	100	41.4					
			883	355'	365'	10	100	47.5					
			884	365'	375'	10	100	59.5					
			885	375'	385'	10	100	42.6					
			886	385'	395'	10	100	43.5					
			887	395'	401'	6	100	51.0					
			888	436'6"	445'	8'6"	100	51.3					
			889	445'	455'	10	100	44.2					

GEOLOGICAL LOG Logged by:—

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	%	DESCRIPTION	SECTION Core	SECTION Sample
0	133'	66'	49.6	Weathered Zone - AMPHIBOLITE - Core fragmentary. Only 50% recovery. Vughs from 119'-133'		
133'	148'	12'	80.0	Harder green sheared Amphibolite fragments with minor softer clay zones.		
148'	242'	91'	97.8	Light Green sheared Amphibolite - minor quartz-carbonate? veins + Pyrite. Magnetite 184'-184'2". Occasional Haematite associated with carbonate veins.		
242'	252'	7'	70.0	Shear Zone - AMPHIBOLITE - with minor Magnetite, Pyrite, serpentine & talc.		
252'	256'9"	4'9"	100	Weathered Amphibolite - Dyke? Pyrite and Tourmaline?		
256'9"	261	4'3"	100	Soft Talcose Amphibolite - occasional Magnetite flecks.		
261'	276'	15'	100	Sheared Amphibolite - serpentinized. Pyrite and Tourmaline? present. Occasional veinlets of oxidised Magnetite. Flecked appearance due to epidote blebs.		
276'	282'6"	2'6"	38.5	Sheared and banded Talcose Amphibolite		
282'6"	312'6"	30'	100	As for 261'-276' Continued over:—		

INDUSTRIAL & MINING INVESTIGATIONS PTY. LIMITED

DIAMOND DRILL CORE RECORD No Core held.

HOLE No. DDH 52	MAP SHEET No.	DISTRICT	LOCATION OF SITE:— Northern Deposit, Savage River.

AMG Co-ords. 335320 E 5407753 N.

R.L. OF SITE:— Approx. 1150' above sea level	SITE SURVEY ON MAP No.:—	CORE SIZE:—
INCLINATION OF HOLE:— 0-600' 57° 800' 55°, 900' 53°	AIR PHOTO No.:—	COMMENCED:— 23.7.73
BEARING OF HOLE:— NW of Trav. i.e. at app. 285° Magnetic at D6	DRILL:— Diamond	COMPLETED:— 1.10.73
CO-ORDS. OF SITE:— Traverse D34A	DRILLER:— A.D.D.	FINAL DEPTH:— 1072 ft.

GEOLOGICAL LOG

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
312'6"	314'	1'6"	100	Light green altered Amphibolite - talcose in part. Pyrite present.		
314'	317'	3	100	Serpentinised and talcose Amphibolite - Pyrite present.		
318'	326'3"	2'	24.2	Talcose Amphibolite - sheared, Pyrite.		
326'3"	327'	9"	100	Transition		
327'	332'6"	5'6"	100	Serpentinised Amphibolite. Pyrite		
332'6"	336'9"	4'3"	100	Sheared talcose zone with Quartz-Feldspar + Pyrite		
336'9	340'3"	4'6"	100	Serpentinised Amphibolite with Minor Magnetite. Sheared. Pyrite present.		
340'3"	345'	4'9"	100	Sheared Amphibolite - Tourmaline? and Pyrite.		
345'	350	5'	100	Serpentinised Amphibolite and Magnetite - Pyrite.		
350'	362'3"	12'3"	100	Magnetite - only minor serpentinised Amphibolite + Pyrite		
362'3"	364'9"	4'6"	100	Amphibolite - only occasional Magnetite + Pyrite. Sheared.		
364'9"	375'9"	11'	100	Magnetite - occasional talcose Amphibolite + Pyrite		
375'9"	378'9"	3'	100	Serpentinised Amphibolite + Pyrite - minor Magnetite		
373'9"	401'3"	22'6"	100	Magnetite - only minor talcose Amphibolite + Pyrite		
401'3"	436'6"	35'3"	100	Sheared Amphibolite - Epidote, Pyrite and Haematite veinlets. Occasional occurrences of Magnetite e.g. 422-424'3" (PUG) ~~426'6"-426'9"~~		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	HCl Sol.Fe	ASSAY RESULTS
735890	455	465	10	100	56.0	
891	465	475	10	100	39.6	
892	475	485	10	100	44.6	
893	485	495	10	100	34.9	
894	495	505	10	100	38.7	
895	505	515	10	100	43.0	
896	515	525	10	100	55.0	
897	525	535	10	100	56.5	
898	535	545	10	100	35.9	
899	545	555	10	100	47.5	

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GEOLOGICAL LOG

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FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
436'6"	450'	13'6"	100	Magnetite - only minor Amphibolite. Pyrite. Sheared.		
450'	455'	5'	100	Serpentinised Amphibolite + Magnetite. Pyrite.		
455'	461'9"	6'9"	100	Magnetite - minor serpentinised Amphibolite + Pyrite. Alteration - tremolite, talc.		
461'9"	467'6"	5'9"	100	Serpentinised Amphibolite (talc) only occasional Magnetite (PUG) + Pyrite.		
467'6"	517'	49'6"	100	Magnetite and minor serpentinised Amphibolite - some alteration to tremolite and asbestos. Shearing along "C" axis of core from 480'-500'		
517'	540'6"	23'6"	100	Magnetite (hard) - occasional serpentine + Pyrite		
540'	547'9"	6'3"	100	Serpentinised Amphibolite - minor Magnetite + Pyrite		
547'9"	554'9"	7'	100	Magnetite + minor serpentinised Amphibolite + Pyrite		
554'9"	559'	4'3"	100	Serpentinised Amphibolite with minor Magnetite - Pyrite		
559'	565'6"	6'6"	100	Magnetite & Serpentinised Amphibolite - Pyrite.		
565'6"	580'	14'6"	100	Serpentinised Amphibolite - only minor Magnetite. Pyrite. Slightly sheared.		
580	625	45	100	Magnetite + Serpentinised Amphibolite - Magnetite content increases with depth - Pyrite.		
625	627'3"	2'3"	100	Sheared Amphibolite - serpentine + Pyrite.		
627'3"	629'6"	2'3"	100	Saccharoidal Magnetite - occasional altered Amphibolite gangue Pyrite. Pug zones.		
629'6"	638'	8'6"	100	Amphibolite - minor saccharoidal Magnetite. Pyrite Dyke? Zone altered at margins - soft and greasy.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	HCl Sol.Fe	ASSAY RESULTS
735900	555	565	10	100	36.3	
901	565	575	10	100	20.0	
902	575	585	10	100	21.2	
903	585	595	10	100	31.8	
904	595	605	10	100	48.3	
905	605	615	10	100	43.7	
906	615	625	10	100	50.3	
907	625	630	5	100	37. 7	
908	638	650	12	100	40.1	
909	660	670	10	100	35.4	

GEOLOGICAL LOG

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
638'	643'9"	5'9"	100	Magnetite and Serpentinised Amphibolite - Magnetite content and shearing varies. Pyrite - pug zones		
643'9"	677'	33'3"	100	Amphibolite and Magnetite - Pyrite - Magnetite content varies.		
677'	693'9"	16'9"	100	Magnetite and Serpentinised Amphibolite - Pyrite		
693'9"	719'6"	25'9"	100	Similar to 643'9"-677', although less Magnetite content. Core metasomatised, sheared and broken. Pyrite abundant e.g. 717'-719'6"		
719'6"	734'	14'6"	100	Light green sheared Amphibolite - slickenslide - only occasional Magnetite. Pyrite and Tourmaline? present.	DYKE?	
734'	748'	14'	100	Sheared serpentinised Amphibolite - only occasional Magnetite occurrences along shear planes. Pyrite. Talc.		
748'	760'	12'	100	Soft, sheared Talcose Amphibolite (light-medium grey in colour) Pyrite. Occasional Magnetite.		
760'	761'6"	1'6"	100	Transition zone.		
761'6"	777'	15'6"	100	Light green Amphibolite - occasional Magnetite + Pyrite e.g. 669'6"-670'9"		
777'	796	19'	100	Amphibolite + Magnetite - serpentine - sheared - Pyrite abundant e.g. 784'-791'		
796'	823'9"	27'9"	100	Amphibolite - Rourmaline? Pyrite - slickenslide on shear surfaces. Hammatite veinlets.		
823'9"	890'3"	66'6"	100	Sheared Amphibolite - only occasional Magnetite along shear surfaces. Pyrite in association with Magnetite Tourmaline + Epidote.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	HCl Sol.Fe		ASSAY RESULTS S	Ti	V	Ni	P			
735910	650	660	10	100	36.8									
911	670	680	10	100	36.8									
912	680	690	10	100	27.2									
913	690	700	10	100	28.5									
914	700	710	10	100	27.6									
915	710	719'6"	9'6"	100	22.8									
916	345-401		56	100			2.2	0.73	0.33	0.04	0.03			
917	436'6	495	58'6"	100			0.82	0.77	0.29	0.04	0.01			
918	495	545	50	100			1.10	0.90	0.32	0.04	0.01			
919	545	595	50	100			1.40	0.50	0.18	0.04	0.01			

GEOLOGICAL LOG

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FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
890'	3"	897'		6'9"		100	Serpentinised Amphibolite and Magnetite - sheared. Abundant Pyrite		
897'		918'		21'		100	Sheared Amphibolite - intermittant zones of Magnetite and altered Amphibolite with abundant Pyrite. These magnetite zones are never greater than two feet in width		
918'		937'		19'		100	Sheared Amphibolite - Epidote, Haematite, Pyrite, carbonate.		
937'		948'		11		100	Magnetite + Amphibolite - Pyrite abundant. Magnetite decreases with depth. Amphibolite altered at contact margins (serpentine) Last 2'6" considerably sheared		
948'		952'6"		4'6"		100	Sheared and altered Amphibolite - only occasional Magnetite - serpentine. Greater magnetite content from 951'-952'6"		
952'6"		957'3"		4'9"		100	Sheared Amphibolite - intensity of shearing and serpentine content increases with depth. Occasional Magnetite, Haematite/Carbonate, Tourmaline? from 953'-956'6".		
957'3"		973'9"		10'6"		63.6	Sheared altered amphibolite and Magnetite - Pyrite abundant - carbonate present - Magnetite content decreases with depth.		
973'9"		979'6"		2'9"		47.8	Sheared serpentinised Amphibolite - only occasional Magnetite. Pyrite abundant e.g. crystals from 975'6" to 978' in metasomatised amphibolite.		
979'6"		980'		6"		100	Magnetite and Serpentinised Amphibolite - Pyrite - less than above.		
980		985'		5		100	Sheared serpentinised Amphibolite (soft and crumbly) Occasional Magnetite occurrences, Pyrite, Tourmaline?		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	HCl Sol.Fe	ASSAY RESULTS S	Ti	V	Ni	P
735920	595		630		35		100		1.4	0.82	0.30	0.04	0.01
921	638		719'6		81'6"		100		0.95	0.64	0.20	0.03	0.02
736115	734		744					16.4					
116	744		755					15.4					
117	755		762					15.1					
118	777		787					15.0					
119	787		797					13.8					
736120	890		900					14.1					
121	900		910					5.3					
122	910		920					7.0					

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GEOLOGICAL LOG

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FROM ft.	ins.	TO ft.	ins.	RECOVERY ft.	ins.	%	DESCRIPTION	SECTION Core	Sample
985'		1017'		16'3"		50.8	Sheared and altered Amphibolite - tremolite, talc, carbonate. Occasional Magnetite occurrences		
1017'		1072'		55'		100	Similar to above - no Magnetite		
							HOLE TERMINATED		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft.	ins.	TO ft.	ins.	RECOVERY ft.	ins.	%	HCl Sol.Fe	ASSAY RESULTS S%	Ti%	V%	Ni%	P%
736123	937		947		10		100	28.3					
124	947		957		10		100	11.8					
125	957		967		4		40	19.8					
126	967		977		6'6"		65	11.0					
127	977		987		10'		100	17.5					
128	987		997		4'6"		45	5.8					
129	997		1007		5'9"		57.5	8.4					
736130	1007		1017		6'		60	8.8					
736131	734		762		28'		100		5.3	0.24	0.05	0.04	0.09
132	890		920		30		100		7.4	0.89	0.04	0.05	0.18
133	937		977		30		75		7.9	0.36	0.06	0.04	0.41
134	977		1017		24'3"		60.8		0.96	0.22	0.03	0.01	0.10

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