

DRILLING TARGET:—												
REMARKS:—												
SURVEY DATA				ASSAY DATA								
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS		
				ft.	ins.	ft.	ins.	ft.	ins.	%	HCl. Sol.	Fe
			733134	0	12			—	—	62.9	)	
			135	12	41	5	6	19.0		66.3	)	
			136	41	50		9"	8.3		66.3	)	
			137	50	60	3'		30.0		67.4	)	SLUDGE
			138	60	70	4'		40.0		70.2	)	
			139	80	90	3'		30.0		57.9	)	
			140	90	100	5'		50.0		40.0	)	
			141	100	110	6'	6"	65.0		56.2	)	
			142	110	120	8'		80.0		60.7	)	
			143	120	130	9'		90.0		50.6	)	

GEOLOGICAL LOG					Logged by:—		
FROM ft.	TO ft. ins.	RECOVERY		DESCRIPTION	SECTION		
		ft.	ins.		Core	Sample	
0	70	16	22.9	Oxydised Magnetite and clay - oxidation lessens with depth.			
70	80	—	—	No core - Sludge indicates the presence of sugary Magnetite.			
80	92	3	25.0	Magnetite (oxidised) rubble and clay.			
92	96	3	75.0	Weathered sheared amphibolite with minor Magnetite. Pyrite present- some serpentinisation.			
96	99	1'6"	50.0	Magnetite rubble.			
99	106	6	85.7	Magnetite - minor serpentine-amphibolite, pyrite, talc, tremolite.			
106	110	3	75.0	Magnetite rubble.			
112	123	11	100.0	Magnetite - minor tremolite-amphibolite, pyrite.			
123	124'6"	3'6"	100.0	Amphibolite and minor Magnetite - some alteration to serpentine, tremolite. Pyrite present.			

Continued over:—

**INDUSTRIAL & MINING INVESTIGATIONS PTY. LIMITED**  
**DIAMOND DRILL CORE RECORD** *No core held.*

HOLE No.:— 51	MAP SHEET No.	DISTRICT	LOCATION OF SITE:— Northern Deposit, Savage River, TAS.
<i>AMG Co-ords: 335170 E 5407686 N</i>			
R.L. OF SITE:— 1100 ft, approx.	SITE SURVEY ON MAP No.:—	CORE SIZE:—	
BEARING OF HOLE:— East along trav.	AIR PHOTO No.:—	COMMENCED:— 5.4.73	
INCLINATION OF HOLE:— 0-600' 55°E, 600-735' 53°E	DRILL:— Diamond	COMPLETED:— 11.7.73	
CO-ORDS. OF SITE:— Traverse D30 155 ft. West	DRILLER:— A.D.D.	FINAL DEPTH:— 770 ft.	

FROM		TO		RECOVERY		DESCRIPTION	SECTION		
ft.	ins.	ft.	ins.	ft.	ins.		%	Core	Sample
124.6		135		8'6"		100.0	Magnetite - with minor serpentinitised Amphibolite.		
135		186		51		100.0	Shearing and pyrite present.		
186		187'6"		1'6"		100.0	Serpentinitised amphibolite-tremolite - transition zone		
187'6"		190'		12'6"		100.0	Slightly sheared Amphibolite - minor epidote & pyrite		
190'		193'		3		100.0	Magnetite and amphibolite - pyrite present. Tremolite schist and pyrite in last inch of core.		
193		198		5		100.0	Amphibolite - slightly sheared. Pyrite and epidote present. Shear zones 193' - 195', 196' - 198'3"		
198'		210'9"		12'9"		100.0	Magnetite and serpentinitised amphibolite - tremolite and pyrite.		
210'9"		216'9"		6'		100.0	Magnetite - hard and massive - pyrite, amphibolite, -- tremolite.		
216'9"		219'6"		2'9"		100.0	Magnetite and serpentinitised amphibolite - magnetite content lessens with depth.		
219'6"		225'6"		6'		100.0	Amphibolite - light green, massive - Dyke? Pyrite present.		
225'6"		316'3"		90'9"		100.0	Magnetite - moderately hard, with minor serpentinitised amphibolite and tremolite. Pyrite present.		
316'3"		318'		1'9"		100.0	Amphibolite - minor magnetite and pyrite.		
318'		323'		5'		100.0	As for 225'6"-316'3"		
323'		327'		4'		100.0	Magnetite and amphibolite - pyrite & tremolite present.		

Continued over

ASSAY DATA

SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS							
	ft.	ins.	ft.	ins.	ft.	ins.	%	HCl sol	Fe					
733144	130		140		9'		90.0	54.0						
546	140		150		7'		70.0	53.6						
547	150		160		10'		100.0	51.4						
548	160		170		10'		100.0	53.6						
549	170		180		10'		100.0	51.4						
550	180		190		10'		100.0	45.0						
551	190		200		10'		100.0	24.8						
552	200		210		10'		100.0	41.1						
553	210		220		10'		100.0	41.3						
733554	220		230		10'		100.0	35.7						

FROM		TO		RECOVERY		DESCRIPTION	SECTION		
ft.	ins.	ft.	ins.	ft.	ins.		Core	Sample	
327'		330'9"		3'9"		100.0	Magnetite - minor serpentinised amphibolite		
330'9"		335'6"		4'9"		100.0	Magnetite and serpentinised Amphibolite - abundant pyrite.		
335'6"		352		16'6"		100.0	Amphibolite - only minor magnetite and pyrite. Magnetite content increases with depth.		
352		373		21'		100.0	Magnetite - minor serpentinised amphibolite - shearing strong - core extremely broken - pyrite present.		
373		383		-		-	No core recovered.		
383		386'3"		3'3"		100.0	Magnetite - soft and sheared - minor amphibolite & pyrite		
386'		388'							
388'		401'3"		15'		100.0	Magnetite and serpentinised amphibolite - sheared. Pyrite present. Magnetite content increases with depth.		
401'3"		411'9"		10'6"		100.0	Magnetite - minor serpentinised amphibolite, pyrite - less sheared than above.		
411'9"		414'9"		3'		100.0	Magnetite and serpentinised amphibolite - sheared. Pyrite present.		
414'9"		420'		5'3"		100.0	Serpentinised amphibolite with minor magnetite, pyrite present.		
420'		440'3"		20'3"		100.0	Magnetite - minor serpentinised amphibolite - sheared. pyrite present.		
440'3"		443		2'9"		100.0	Serpentinised amphibolite - minor magnetite. Pyrite present. Quartz-carbonate veins with magnetite.		
443'		452'6"		9'6"		100.0	Magnetite and serpentinised amphibolite - tremolite, pyrite, quartz.		

Continued over

ASSAY DATA

SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS											
	ft.	ins.	ft.	ins.	ft.	ins.	Hcl											
733555	230		240		10		100.0	sol. Fe	54.5									
556	240		250		10		100.0	54.5										
557	250		260		10		100.0	54.7										
558	260		270		10		100.0	52.5										
559	270		280		10		100.0	49.7										
560	280		290		10		100.0	51.7										
561	290		300		10		100.0	50.5										
562	300		310		10		100.0	55.6										
563	310		320		10		100.0	48.6										
564	320		330		10		100.0	48.9										

FROM		TO		RECOVERY		DESCRIPTION	SECTION	
ft.	ins.	ft.	ins.	ft.	ins.		Core	Sample
452'6"		455'6"		3	100.0	Serpentinised Amphibolite - minor magnetite and pyrite.		
455'6"		459		3'6"	100.0	Magnetite and serpentinised amphibolite - pyrite present.		
459		503'6"		44'6"	100.0	Magnetite - minor amphibolite - quartz & pyrite present. Slight shearing.		
503'6"		505'		1'6"		No Core		
505'		511'9"		6'9"	100.0	Serpentinised amphibolite and magnetite - pyrite.		
511'9"		528'3"		16'6"	100.0	Magnetite - minor amphibolite, pyrite, tremolite shearing.		
528'3"		530'3"		2'	100.0	Amphibolite - minor magnetite, pyrite - asbestos present.		
530'3"		536'6"		6'3"	100.0	Magnetite and amphibolite - slight shearing - pyrite, tremolite.		
536'6"		537'9"		1'3"	100.0	Amphibolite - fine grained, massive, Dyke?		
537'9"		556'		18'3"	100.0	Serpentinised amphibolite and minor magnetite - slight shearing, tremolite and pyrite. 542'1" -- 543'1" - inclusion of fine grained amphibolite - Dyke?		
556'		604'3"		48'3"	100.0	Magnetite - minor sheard amphibolite. Dyke		
604'3"		607'6"		3'3"	100.0	Amphibolite - light green, fine grained "Dyke?" Hematite and magnetite veinlets.		
607'6"		616'9"		9'3"	100.0	Magnetite and amphibolite - alteration to serpentine and tremolite in part - pyrite present - little magnetite in last two feet of core.		

Continued over

ASSAY DATA

SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS											
	ft.	ins.	ft.	ins.	ft.	ins.	HCl sol	Fe										
233903	330		340		10	100.0	38.8											
904	340		350		10	100.0	39.1											
905	350		360		10	100.0	48.1											
906	360		370		10	100.0	43.6											
907	370		373		3	100.0	41.9											
908	383		390		7	100.0	44.1											
909	390		400		10	100.0	43.6											
910	400		410		10	100.0	51.4											
911	410		420		10	100.0	35.7											
912	420		430		10	100.0	54.2											

FROM		TO		RECOVERY		DESCRIPTION	SECTION	
ft.	ins.	ft.	ins.	ft.	ins.		Core	Sample
616	'9"	621	'6"	4	'9"	100.0	As for 604'3" - 607'6" - Dyke? Epidote.	
621	'6"	625	'	3	'6"	100.0	Magnetite and Amphibolite -serpentine - slight shearing, pyrite - vughs.	
625	'	627	'6"	2	'6"	100.0	Blue grey amphibolite - occasional traces magnetite, pyrite. Slight shearing present.	
627	'6"	635	'	7	'6"	100.0	Magnetite and serpentinised amphibolite - sheared. Pyrite present.	
635	'	638	'	3	'	100.0	Serpentinised amphibolite with minor magnetite & pyrite.	
638	'	643	'	5	'	100.0	Amphibolite and magnetite - serpentinised, pyrite present.	
643	'	644	'6"	1	'6"	100.0	Amphibolite - serpentinised - occasional magnetite. Pyrite present, Tremolite.	
644	'6"	648	'9"	4	'3"	100.0	As for 635' - 638' but with magnetite more predominant.	
648	'9"	653	'3"	4	'6"	100.0	Serpentinised amphibolite - with minor occurrences of magnetite and pyrite along shear planes - bonded appearance.	
653	'3"	654	'	9	"	100.0	Light green amphibolite - sheared - occasional flecks of magnetite.	
654	'	669	'6"	15	'6"	100.0	Serpentinised amphibolite - slightly sheared - core broken - pyrite, tremolite, carbonate, talc present.	
669	'6"	683	'	13	'6"	100.0	Amphibolite - epidote and pyrite present. Some magnetite in association with carbonate veinlets.	

Continued over

ASSAY DATA

SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS							
	ft.	ins.	ft.	ins.	ft.	ins.	sol Fe							
733913	430		440		10		100.0	48.0						
914	440		450		10		100.0	38.5						
915	450		460		10		100.0	38.0						
734401	460		470		10		100.0	52.2						
402	470		480		10		100.0	45.9						
403	480		490		10		100.0	55.3						
404	490		500		10		100.0	52.7						
405	500		510		10		100.0	38.3						
406	510		520		10		100.0	45.9						
407	520		530		10		100.0	45.4						

FROM		TO		RECOVERY		DESCRIPTION	SECTION		
ft.	ins.	ft.	ins.	ft.	ins.		%	Core	Sample
683'		704'9"		18'9"		90.0	Sheared and altered amphibolite with minor magnetite. Pyrite, carbonate, quartz, talc present.		
704'9"		719'		7'3"		50.0	Similar to above but less magnetite - pug zones present. Pyrite crystals as well as grains disseminated throughout the core.		
719'		733'		7'6"		52.0	Sheared Amphibolite - with minor occurrences of magnetite, pink and white feldspar, pyrite, quartz. Numerous vughs and soft puggy clay patches.		
753'		770'		37'		100.0	Amphibolite - slightly sheared - minor quartz-carbonate veins aligned along shear planes. Pyrite present.		
							HOLE TERMINATED		
Continued over									

ASSAY DATA

SAMPLE No.	FROM		TO		RECOVERY		ASSAY RESULTS																
	ft.	ins.	ft.	ins.	ft.	ins.	%	HCl sol	Fe														
734408	530		540		10		100.0	42.3															
409	540		550		10		100.0	31.9															
410	550		560		10		100.0	42.0															
411	560		570		10		100.0	49.7															
412	570		580		10		100.0	43.3															
413	580		590		10		100.0	48.2															
414	590		600		10		100.0	51.4															
415	600		610		10		100.0	39.8															
416	610		620		10		100.0	37.6															
734417	620		630		10		100.0	24.4															





