Ref N. 2582

DRILLING TARGET:—

REMARKS:—

SURVEY DATA			ASSAY DATA											
DEPTH feet	Bearing mag.	Inclin. degs.	SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	%	ASSAY RESULTS						

GEOLOGICAL LOG Logged by:—

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	%	DESCRIPTION	SECTION Core	SECTION Sample
	30	Nil	-	Decomposed Amphibolite - Manganese staining.		
30	38	2'6"	31.2	Brown weathered Amphibolite with occasional fragments of blue-green fine to medium grained sheared Amphibolite and some talc. Occasional grains Magnetite		
38	41'6"	2'6"	71	Amphibolite soft and sheared with occasional talc. and streaks and blebs of Magnetite.		
41'6"	42'0	6"	100	Magnetite and Amphibolite fragments		
42'0	45'0	6"	16.6	Weathered sheared Amphibolite with Manganese staining		
45'0	80'0	10'6"	30	Soft weathered Amphibolite, fine to medium grained with occasional veinlets and stains of Magnetite. Core puggy in places.		
80'0	82'0	3"	12.5	Sheared and altered talcose Amphibolite		
82'0	89'6"	7'0	93.3	Fragmentary fine to medium grained Amphibolite with occasional pyrite and epidote. Occasional small flecks (>1mm) of Magnetite and Chalcopyrite		
				Continued over:—		

INDUSTRIAL & MINING INVESTIGATIONS PTY. LIMITED

DIAMOND DRILL CORE RECORD

No Core held

HOLE No.:— 48	MAP SHEET No.	DISTRICT SAVAGE RIVER	LOCATION OF SITE:— NORTHERN DEPOSIT

AMG Co-ords: 335082 E 5406786 N.

R.L. OF SITE:— App. 640' above sea	SITE SURVEY ON MAP No.:— 1.	CORE SIZE:—
BEARING OF HOLE:— West along traverse	AIR PHOTO No.:—	COMMENCED:— 5th Oct. 1971
INCLINATION OF HOLE:— 60°	DRILL:— Diamond	COMPLETED:— 29th Oct. 1971
CO-ORDS. OF SITE:— Traverse D2 40ft west of Baseline	DRILLER:— A.D.D.	FINAL DEPTH:— 333 ft.

Index Page:— N

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
89'6"	93'3"	2	52	Similar to above but with greater alteration (metasomation)		
93'3"	95'0	1'6"	85.7	As above with core harder and more Serpentine present Solution vugs present.		
95'0	99'0	3	75	Hard green fine to medium grained Amphibolite. Vugs still present with occasional Epidote, Pyrite and Quartz-Feldspar veinlets.		
99'0	101'0	2	100	Speckled light and dark green Amphibolite		
101'0	126'0	23	92	Amphibolite - more massive than previously intersected. Pyrite, Epidote and Feldspar present. Haematite veinlets and Magnetite flecks (<1mm to 5mm in size) also present. Rock has flecked appearance. 106'6"-108' - considerable solution effects. Epidote, Pyrite, Tourmaline and Feldspar found in association.		
126'0	133'6"	6'6"	100	As above - specular Haematite present, occasional slickenslide surfaces.		
133'6"	158'0	24'6"	100	As above		
158'0	178'0	20'0	100	Broken, greasy, sheared Amphibolite showing alteration to Serpentine.		
178'0	216'6"	34'0	92.8	Broken and sheard (in part) Amphibolite. Some alteration to Serpentine + Talc. Epidote - varies in amount Slickenslide present - indicates shearing. Pyrite, Tourmaline and Haematite are present on slickenslide surfaces - occasional Haematite veinlets. Vugs occur scattered throughout the core - 182'0-182'9" - Magnetite and Amphibolite		
216'6"	218'6"	2	100	Magnetite and Talcose Amphibolite with abundant Pyrite.		
218'6"	222'0	3'6"	100	Amphibolite (partly sheared) with some Magnetite occurrences in sheared sections. Epidote and Pyrite present.		
222'0	222'2"	2"	100	Crystalline rock of Feldspar, Epidote, Chlorite-Calcic Gabbro? Considerable pyrite and Haematite present along contact with previous rock type.		

Continued over

ASSAY DATA

SAMPLE No.	FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	ASSAY RESULTS H.Cl.sol Fe		Ni%	Ti%	P%	S%	V%		
714043	242	250	8	100	56.4								
714044	250	260	10	100	44.8								
714045	260	270	10	100	22.4	Av.47.4							
714046	270	280	10	100	51.6								
714047	280	290	10	100	61.5								
7o4059	242	290	48	100			NIL	1.1	Trace	1.17	0.36		

Index Page:—

GEOLOGICAL LOG D.D.H. 48 Page:— 3 2582

FROM ft. ins.	TO ft. ins.	RECOVERY ft. ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
222'2"	238	15'10"	100	Hard massive Amphibolite (flecked). Feldspar altering to Epidote. Occasional Quartz-Feldspar and Haematite veinlets. Pyrite present.		
238'	239'9"	1'9"	100	Broken sheared Amphibolite with Epidote, Tourmaline and Pyrite.		
239'9"	240'3"	9"	100	SHEAR ZONE - puggy in part. Amphibolite altered to Talc. Minor Magnetite + Pyrite.		
240'6"	242'	1'6"	100	Sheared Amphibolite with minor Magnetite and some Tourmaline, Epidote and Pyrite.		
242'	250'	8'0	100	Magnetite with minor Amphibolite (altered) and pyrite.		
250'	251'	1'0	100	Amphibolite with Tournaline, Epidote, Feldspar, Pyrite. Very little magnetite		
251'	257'6"	6'6"	100	MAGNETITE - with minor altered Amphibolite (Tremolite-Detinolite?) Pyrite present eg 257'6" to 258'9". Core sugary in part.		
257'6"	260'3"	2'9"	100	MAGNETITE AND AMPHIBOLITE (Serpentine) Pyrite plentiful. Core soft due to nature of gangue - Talc and Tremolite-Actinolite?		
260'3"	260'9"	6"	100	Sheared Amphibolite (altered) with only occasional Magnetite		
260'9"	263'	2'3"	100	As above - core puggy in places		
263'	264'6"	1'6"	100	MAGNETITE with minor Amphibolite - core hard. Pyrite eg 263'-263'6"		
264'6"	266'	1'6"	100	Fine grained relatively massive Amphibolite with Epidote, Haematite and Feldspar in small quantities		
266'	268'6"	2'6"	100	Amphibolite (serpentinised in part) with minor shearing. Minor Magnetite between 266' and 266'9" and 268'6-270'6"		
268'6"	270'6"	2'	100			
270'6"	273'	2'6"		MAGNETITE AND AMPHIBOLITE (altered) Pyrite present.		

Continued over

ASSAY DATA

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

Index Page:— 57

FROM ft.	FROM ins.	TO ft.	TO ins.	RECOVERY ft.	RECOVERY ins.	RECOVERY %	DESCRIPTION	SECTION Core	SECTION Sample
273'		289'		16'0		100	MAGNETITE with minor serpentinized Amphibolite and Pyrite. Magnetite itself is hard but gangue results in core being crumbly.		
289'		296'9"		7'9"		100	Sheared Amphibolite - very puggy in places (shear zone). Pyrite present. Minor small (<3mm) flecks of Magnetite scattered throughout core.		
296'9"		299'6"		2'9"		100	Massive fine grained Amphibolite with minor Haematite-Feldspar veins + Pyrite.		
299'6"		332'		33'6"		100	Sheared Amphibolite. Numerous vugs. Occasional flecks of Magnetite, Epidote in first twenty (20) feet. Occasional Tourmaline and Pyrite.		
HOLE TERMINATED							Last seven (7) feet of core metasomatized.		

Continued over

ASSAY DATA

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