

# DIAMOND DRILL CORE RECORD

Hole Number..... 5  
 Area of Operation..... MT. LINDSAY  
 Location..... Surface  
 Co-ordinates of Collar..... 2018N; 1758E

Date Commenced..... 20/11/63 ..... Completed.....  
 Geological Logging by..... Morton & McGain  
 Core Recovery.....  
 Drilled by..... Assoc. Diamond Drillers Aust. P/L.

Collar R.L..... 2023  
 Bearing of Hole..... Due North  
 Angle of Hole..... -45°  
 Final Depth..... 306' ..... Core Size..... AXT

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
0'0"	20'0		20'0				5'	Slightly decomposed mudstone. Highly fractured.					
20'0	42'0		22'0				8'	Highly oxidised sediments.	25'	30'	5-1	Nil	
									30'	35'	5-2	Nil	
									35'	40'	5-3	Hil	
42'0	50'0		8'0				4'	Slightly decomposed mudstone. Lightly fractured					
50'0	50'5						0.2'	Highly oxidised sediments.					
50'5	54'0		3.5'				3.0'	Slightly decomposed mudstone. Limonite on fractures.					
54.0'	58.0'		4.0'				2.5'	Highly oxidised sediments; slickensided at 57'	56'	58'	5-4	Nil	
58.0'	60.0'		2.0'				1.0'	Tuff; fone fragments felspar and dark mineral.					
60.0'	65.0'		5.0'				3.0'	Intercolated tuffs and mudstones.					
65.0'	80.0'		15.0'				9.0'	Mudstones with occasional pinkish alteration.					
80.0	86.0'		6.0'				2.5'	Highly oxidised sediments. Limonite on factures	81'	86'	5-5	Nil	
86.0'	91.0'		5.0'				1.5'	Fractured mudstone					
91.0'	93.0'		2.0'				1.0'	Tractured tuff.					
93.0'	96.0'		3.0'				2.0'	Fractured mudstone					

Hole No. 5

FOOTAGE: From 96.0' To

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
96.0'	98.0'		2.0'				1.6'	Tuff.					
98.0'	102.0'		4.0				3.5'	Mudstone - lightly fractured.					
102.0'	133.0'		31.0'				12.0'	Highly fractured mudstone					
133.0'	141.0'		8.0'				5.0'	Shale; lightly coloured and occasional pinkish alteration; fresh. distinctly bedded; occasional slight fractures. Occasional slight mineralisation (Sulphides and silica) along bedding planes.	133'	133.5'	5-6	Nil	
									133.5'	134.8'	5-7	Nil	
									134.8'	135.1'	5-8	Nil	
									135.1'	136'	5-9	Nil	
									136'	136.2'	5-10	Nil	
									136.2'	136.9'	5-11	Nil	
									136.9'	139'	5-12	Nil	
141.0'	146.0'		5.0'				2.0'	Oxidised shales.					
146.0'	162.0'		16.0'				5.0'	Highly oxidised fault gouge.	159'	162'	5-13	Nil	
162.0'	190.0'		28.0'				10.0'	" " " "	162'	165'	5-14	Nil	
								Slight sulphides and possible visible	165'	168'	5-15	Nil	
								cassiterite from 183.0' to 187.0'	168'	171'	6-16	Nil	
									171'	173'	5-17	Nil	
									173'	177'	L/C		
									177'	180'	5-18	Nil	

Hole No. 5

FOOTAGE: From 162.0' To

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered	DESCRIPTION	SAMPLE EXTRACTION		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
Continued from previous page										180'	183'	5-19	Nil
										183'	187'	5-20	Nil
										187'	190'	L/C	-
190.0'	190.2'		0.2'				0.2'	Fractured mudstone. Possible visible cassiterite along fractures.		190'	190.2'	5-21	Tr.
190.2	190.5'		0.3'				0.2'	Fractured mudstone.		190.2'	190.5'	5-22	Nil
190.5'	193.5'		3.0'				1.0	Oxidised fractured mudstone, shale. Possible Possible visible cassiterite along fractures. Narrow dense ironband in shale replacing sulphides (1/8" thick).					
										190.5'	193.5'	5-23	Tr.
193.5'	194.0'		0.5'				0.5'	Shales. Some pinkish alteration. Oxidised fracture planes following bedding. Cassiterite? along fractures. Trace sulphides.		193.5'	194'	5-24	Nil
194.0'	195.9'		1.9'				1.9'	Mudstone					
195.9'	196.6'		0.7'				0.7'	Mudstone with Kaolinisation along fractures.		195.9'	196.6'	5-25	Nil
196.6'	199.2'		2.6'				2.6'	Mudstone. Limonite on occasional fractures. Occasional faint trace sulphides. Fractured mudstone. Some pinkish and greenish alteration.					
199.2'	201.3'		2.1'				1.8'	Visible cassiterite (?) on fractures.		199.2'	201.3'	5-26	Nil
201.3'	204.0'		2.7'				2.7'	Interbedded mudstone, shale, tuff patches of occasional classified fractures. Greenish alteration.		201.3'	204'	5-27	Nil
204.0'	206.2'		2.2				1.8'	Mudstone, shale. Occasional fractures. Greenish alteration.		204.0'	206.2'	5-28	Tr.

Hole No. .... 5 .....

FOOTAGE: From 206.2' To .....

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered.	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
206.2'	206.3'		0.1'				0.1'	Hornfels. Vein 1/4" wide containing coarse cassiterite crystals, pyrrhotite, biotite and grey-green mineral, possibly fluorite.	206.2'	206.3'	5-29	Tr.	
206.3'	208.7'		2.4'				1.8'	Slight - light sulphides in sediments and grey-green quartz. Sulphides mainly pyrrhotite. Trace doleopyrite.	106.3'	208.7'	5-30	0.14	
208.7'	210.2'		1.5				0.9'	Mudstone. Greenish alteration. Some fine mica. pyrrhotite.	108.7'	210.2'	5-31	Tr.	
210.2'	212.8'		2.6'				2.5'	Slight - light sulphides in micaceous rock. Trace Minor mudstone. Sulphides mainly pyrrhotite. Minor Brecciation.	210.2'	212.8'	5-32	Tr.	
212.8'	215.0'		2.2'				0.6'	Micaceous rock. Some hornfels. Very slight pyrrhotite.	212.8'	213.4'	5-33	Tr.	
									213.4'	215'	L/C	-	
215.0'	216.2'		1.2'				1.2'	Micaceous rock. Some hornfels. Slight Pyrrhotite Some brecciation.	215'	216.2'	5-34	Tr.	
216.2'	216.7'		0.5'				0.5'	Fine micaceous rock. Some hornfels.	216.2'	216.7'	5-35	Tr.	
216.7'	217.2'		0.5'				0.5'	Fine grained porphyry type dyke.	216.7'	217.2'	5-36	Nil	
217.2'	220.0'		2.8'				2.8'	Fine grained micaceous rock. Minor hornfels Slight pyrrhotite. Some brecciation.	217.2'	220'	5-37	Nil	
220.0'	220.7'		0.7'				0.7'	Fine grained porphyry type dyke. Greenish alteration. Slight Pyrrhotite.	220.0'	220.7'	5-38	Nil	
220.7'	222.3'		1.6'				1.6'	Fine black micaceous rock. Fractured. Minor Quartz. Slight to light pyrrhotite.	220.7'	222.3'	5-39	Tr.	
222.3'	223.1'		0.8'				0.8'	Dark grey hornfels. Greenish alteration.	222.3'	223.1'	5-40	Tr.	
223.1'	223.8'		0.7'				0.7'	Fine black micaceous rock. Light pyrrhotite.	223.1'	223.8'	5-41	Nil	

Hole No. 5

FOOTAGE: From 223.8' To

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
223.8'	226.8'		3.0				3.0'	Fine black micaceous rock. Some hornfels with greenish alteration. Very slight to slight pyrrhotite.	223.8'	226.8'	5-42	Tr.	
226.8'	229.2'		2.4'				2.4'	Dark brown fine micaceous rock. Slight pyrrhotite. Banded magnetite. Fractures common. Pyrrhotite occurs along fractures.	226.8'	229.2'	5-43	Tr.	
229.2'	230.0'		0.8'				0.8'	Light-med. sulphides in micaceous rock. Fractures common.	229.2'	230.0'	5-44	Nil	
230.0'	233.0'		3.0'				3.0'	Light-med. sulphides in fine grained dyke material. Quartz, biotite, koalin, and greenish altered mafic mineral in dyke. Sulphides mainly Pyrrhotite.	230.0'	233.0'	5-45	Nil	
233.0'	234.7		1.7'				1.7'	Slight sulphides in black micaceous rock. Some hornfels. Slight brecciation.	233.0'	234.7'	5-46	Tr.	
234.7'	235.4		0.7'				0.7'	Mudstone, shale, micaceous rock. Trace sulphides. Light fractures.	234.7'	235.4'	5-47	Nil	
235.4'	240.0'		4.6'				4.0'	Brecciated hornfels, micaceous rock, and magnetite. Slight sulphides, zeolites and quartz along fractures.	235.4'	237.0'	5-48	0-38	
									237.0'	240.0'	5-49	Tr.	
240.0'	247.0'		7.0'				4.0'	Highly fractured sediments, minor magnetite. Light sulphides, mainly pyrrhotite.	240.0'	242.0'	5-50	Tr.	
									242.0'	245.0'	5-51	Tr.	
									245.0'	247.0'	5-52	0-11	
247.0'	254.5'		7.5'				7.5'	Lightly fractured sediments. Sulphides show selective replacement in sediments. Light sulphides. Dyke material at 252 ft. Heavy sulphides 247-249', zeolites on fractures at 250 ft. Slight - light sulphides. Minor micaceous rock, from 253.0' to 254.5'	247.0'	250.0'	5-53	Tr.	
									250.0'	253.0'	5-54	0.26	
									253.0'	254.5'	5.55	Tr.	
									254.5'	254.7'	5-56	Tr.	

Hole No. 5

FOOTAGE: From 254.5' To

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
254.5'	254.7'		0.2'				0.2'	Quartz filled hornfels breccia. Slight pyrrhotite.					
254.7'	256.6'		1.9'				1.7'	Light sulphides in sediments. Fracturing from 255.6' to 256.6 with quartz in fillings.	254.7'	256.6'	5-57	0.11	
256.6'	259.0'		2.4'				2.1'	Lightly fractured shales and tuff. Occasional trace mineralisation fractures. Variable pink and green alteration.	256.6'	259.0'	5-58	Nil	
259.0'	259.9'		0.9'				0.9'	Lightly fractured shales and tuff. Trace mineralisation. Pink and green alteration.	259.0'	259.9'	5-59	Nil	
259.9'	262.3'		2.4'				2.4'	Biotite, quartz, hornfels and light sulphides. 0.05 ft quartz vein at 262.3'. Heavy sulphide.	259.9'	262.0'	5-60	Nil	
								(5-61)	262.0'	262.3'	5-61	Nil	
262.3'	264.0'		1.7'				1.7'	Lightly fractured shales, mudstone. Trace sulphides on fractures. Greenish alteration	262.3'	264.0'	5-62	Nil	
264.0'	265.0'		1.0'				1.0'	Medium sulphides in quartz, hornfels and biotite. Some shale. Light fractures.	264.0'	265.0'	5-63	Tr.	
									265.0'	265.9	L/C.		
265.9'	267.4'		1.5'				1.5'	Medium sulphides (pyrrhotite) in hornfels and possible altered dyke material.	265.9'	267.4	5-64	0.11	
267.4'	268.7'		1.4'				1.4'	Heavy sulphides. Pyrrhotite, slight chalcopyrite. Relic hornfels disseminated.	267.4'	268.8'	5-65	Tr.	
268.8'	271.2'		2.5'					Medium sulphides (as above) in hornfels (shales) quartz and minor biotite.	268.7'	270.4'	5-66	0.13	
								Heavy sulphides	270.4'	270.9'	5-67	0.45	
									270.9'	271.2'	5-68	0.13	
271.2'	273.8'		2.6'				2.6'	Highly fractured shales, tuffs. Strong brecciation 272.9 - 273.4'. Fractures post brecciation, and filled with sulphide and calcite. Sulphide encrusts fracture walls. Highly deformed shale bed 273.3' sulphides very slight.	271.2	273.8	5-69	Nil	

Hole No. 5.

FOOTAGE: From 273.8' To

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered.	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
273.8'	276.0'		2.2'				2.2'	Lightly fractured shales, tuffs. Slight greenish alteration.	273.8'	276.0'	5-70	Nil	
276.0'	277.0'		1.0'				1.0'	Light sulphides in black hornfels and biotite. Mottled biotite and calcite batches.	276.0'	277.0'	5-71	0.23	
277.0'	279.1'		2.1'				2.1'	Lightly fractured, faulted shales and mudstone. Greenish and pinkish alteration.	277.0'	279.1'	5-72	Nil	
279.1'	281.3'		2.2'				2.2'	Light sulphides in black hornfels and magnetite, and calcite.	279.1'	281.3'	5-73	Tr.	
281.3'	282.4'		1.1'				1.1'	Strongly faulted shales and mudstones. Greenish alteration.	281.3'	282.4'	5-74	Nil	
282.4'	285.0'		2.6'				2.6'	Light sulphides in black mottled hornfels, biotite and calcite. Occasional strong slickensided fractures. Patch of pyrite on fracture at 284.2'	282.4'	285.0'	5-75	Nil	
285.0'	286.7'		1.7'				1.7'	Highly faulted shales, mudstones. Greenish and pinkish alteration. Heavy pyrrhotite surrounding fracture.	285.0'	285.6'	5-76	Nil	
									285.6'	285.7'	5-77	Tr.	
									285.7'	286.7	5-78	Tr.	
286.7'	287.4'		0.7'				0.7'	Medium sulphides in mottled biotite, hornfels and calcite. Slickensides at 286.8'.	286.7	287.4	5-79	0.10	
287.4'	288.6'		1.2'				1.2'	Altered mudstone and shale, greenish and pinkish colours. Lightly fractured and faulted. Trace sulphides on factures.	287.4'	288.6'	5-80	Nil	
288.6'	292.5'		3.9'				3.9'	Light to medium sulphides in hornfels, biotite and magnetite. Minor calcite.	288.6'	290.4'	5-81	0.14	
								Magnetite common.	290.4'	292.5'	5-82	Tr.	
292.5'	293.0'		0.5'				0.5'	Lightly fractured shales.	292.5'	293.0'	5-83	Tr.	
293.0'	294.0'		1.0'				1.0'	Light sulphides in black hornfels. Cassiterite fracture 293.8.	293.0'	294.0	5-84	0.19	

Hole No. .... 5. ....

FOOTAGE: From 294.0' To .....

Ex. 62417 (D)

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING		Core Re-covered	DESCRIPTION	SAMPLE DATA		Sample No.	ASSAY
From	To	Depth	Length	True Width	Angle To Core Axis	Angle To Core Axis	From			To			
294.0'	294.5'		0.5'				0.5'	Greenish highly altered shales.	294.0'	294.5'	5-85	Tr.	
294.5'	295.8'		1.3'				1.3'	Light sulphides in black hornfels. Minor calcite. Sulphides pyrrhotite, slight chalcopyrite.	294.5'	295.8'	5-86	Tr.	
295.8'	296.0'		0.2'				0.2'	Faulted greenish shales.	295.8'	296.0'	5-87	Tr.	
296.0'	296.2'		0.2'				0.2'	Slight sulphides in black hornfels. Minor calcite.	296.0'	296.2'	5-88	Tr.	
296.2'	296.9'		0.7'				0.7'	Faulted greenish, pinkish shales.	296.2'	296.9'	5-89	Tr.	
296.9'	297.6'		0.7'				0.7'	Light sulphides in black hornfels.	296.9'	297.6'	5-90	Tr.	
297.6'	306.0'		8.4'				5.3'	Lightly to strongly fractured greenish altered shales. Calcite on fractures with possible visible cassiterite. Shales. Calcite, sulphide along fracture.	297.6'	300.4'	5-91	Tr.	
									300.4'	302.0'	L/C	--	
									302.0'	302.5'	5-92	Tr.	
									302.5'	300.4'	L/C	--	
									304.0'	306.0'	5-93	Tr.	
FINISH 306 FEET.													