DIAMOND DRILL CORE RECORD

Hole Number: 8
Area of Operation: Mt. Lindsay
Location: Surface.
Co-ordinates of Collar: 2076.85 N. 1898.08 E

Date Commenced: 6. Dec. 63. Completed: 18th Dec 63
Geological logging by: A. McGain
Core Recovery:
Drilled by: Assoc. Diamond Drillers.

Collar R.L.: 2046.74
Bearing of Hole: 0° 00'
Angle of Hole: -51°
Final Depth: 276 Core Size: AX

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core Recovered	DESCRIPTION	SAMPLE DATA	~~ASSAY~~ Sample No.	AMS ASSAY
From	To	Depth	Length	True Width	Angle to Core Axis	Angle to Core Axis					
0	37.0		37.0				14.0	Very highly fractured dark grey tuffs and mudstone			
								Highly oxidised and decomposed along fractures.			-
37.0	40.0		3.0				1.5	Limonitic clay. (Highly decomposed sediments.)			
									37.0 - 38.5	8-1	Nil
									38.5 - 40.0	LC.	—
40.0	95.0		55.0				17.0	Very highly ~~de~~ decomposed sediments.			
									60.0 - ~~60~~ 62.0	8-2	Nil
									76.0 - 77.0	8-3	Tr
									89.0 - 91.0	8-4	Tr
95.0	102.8		7.8				3.5	Highly fractured shales. Greenish alteration.			
102.8	103.0		0.2				0.2	Highly fractured shales. Trace ~~and~~ sulphides			
								on fractures.	102.8 - 103.0	8-5	Nil
103.0	130.0		27.0				10.0	Highly fractured, lightly faulted shales. Trace			
								sulphides on fractures. Olive green material			
~~103.0~~	~~130.0~~		~~27.0~~				~~10.0~~	on fractures. 125 to 130 feet.	103.0 - 105.0	8-6	Nil
									105 - 106.0	8-7	Nil
									106.0 - 107.5	LC	—

Hole No. 8 Page 2 FOOTAGE: From 107·5 To 136·8

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core Recovered	DESCRIPTION	SAMPLE DATA	Sample ~~ASSAY~~ No	ASSAY.
From	To	Depth	Length	True Width	Angle to	Angle to					
									107·5 – 109·3	8-8	Nil
									109·3 – 110·0	L.C.	–
									110·0 – 110·7	8-9	Tr
									110·7 – 115·0	L.C.	~~Tr~~
									115·0 – 115·4	8-10	Tr
									115·4 – 120·0	L.C.	–
									120·0 – 120·4	8-11	Tr
									120·4 – 125·0	L.C.	–
									125·0 – 126·1	8-12	Nil
									126·1 – 128·0	L.C.	–
									128·0 – 129·2	8-13	Tr
									129·2 – 130·0	L.C.	–
130·0	132·4		2·4				2·4	(AMS. Core) Possible banded dyke material. Mottled quartz and altered mafic mineral. Slight sulphides and magnetite.	130·0 – 132·4	8-14	Tr
132·4	136·0		3·6				2·0	Ferruginous oxidised material. Minor black micaceous rock. Vugy friable sulphide bands.			
									132·4 – 133·5	8-15	Tr
									133·5 – 135·0	L.C.	–
									135·0 – 136·0	8-16	0·20
136·0	136·8		0·8				0·8	Highly decomposed material. Yellowish colour. Original composition doubtful.	136·0 – 136·8	8-17	Tr

Hole No. 8. Page 3. FOOTAGE: From 136·8 To 157·0

DRILL FOOTAGE From	DRILL FOOTAGE To	VEIN OR OTHER INTERSECTIONS Depth	Length	True Width	Angle to	BEDDING Angle to	Core Recovered	DESCRIPTION	SAMPLE DATA	Sample No.	ASSAY
136·8	138·0		1·2				1·2	Highly oxidised magnetite, Black micaceous rock, hangels, and vugy sulphide bands.			
								Slight Sulphides. Minor Qtz.	136·8 - 138·0	8-18	0·27
									138·0 - 140·0	L.C.	–
140·0	140·7		0·7				0·7	Highly oxidised shales, magnetite bands.			
								Slight sulphides.	140·0 - 140·7	8-19	Tr
140·7	141·0		0·3				0·3	clay. Very highly decomposed.	140·7 - 141·0	8-20	Tr
									141·0 - 142·0	L.C.	–
142·0	142·6		1·6				1·6	Oxidised grey-green sediments. Highly fractured.			
								Trace Sulphides.	142·0 - 143·6	8-21	N.I
143·6	143·8		0·2				0·2	Highly oxidised ferruginous sediment.	143·6 - 143·8	8-22	N.I
143·8	150·7		6·9				1·7	decomposed (slightly), highly fractured grey shales. Minor magnetite. Trace Sulphides.			
									143·8 - 144·1	8-23	N.I
									144·1 - 146·0	L.C.	–
									146·0 - 146·5	8-24	N.I
									146·5 - 150·0	L.C.	–
									150·0 - 150·7	8-25	N.I
150·7	154·4		3·7				3·7	Faulted, lightly fractured banded magnetite			
								with minor shales. Slight sulphide	150·7 - 154·4	8-26	Tr
154·4	157·0		2·6				2·6	Banded shales, black micaceous rock, and minor			
								mag magnetite. Slight sulphides	154·4 - 157·0	8-27	N.I
								Moderate fractures, Light fracturing			

Hole No. 8. Page 4 FOOTAGE: From 157.0 To 206.3

DRILL FOOTAGE From	DRILL FOOTAGE To	VEIN OR OTHER FORMATIONS Depth	VEIN OR OTHER FORMATIONS Length	VEIN OR OTHER FORMATIONS True Width	VEIN OR OTHER FORMATIONS Angle to	BEDDING Angle to	Core Recovered	DESCRIPTION	SAMPLE DATA	Sample No	ASSAY.
157.0	157.5		0.5				0.5	Medium sulphides and Quartz in relic hornfels			
								and dyke material.	157.0 - 157.5	8-28	Nil
157.5	162.0		4.5				4.5	Light sulphides in lightly decomposed dyke			
								material consisting of quartz and lightly decomposed			
								felspar? Traces relic hornfels	157.5 - 160.0	8-29	Nil
									160.0 - 162.0	8-30	Tr
162.0	165.5		3.5				3.5	Banded magnetite and hornfels Occasional			
								large fractures filled with calcite.	162.0 - 165.0	8-31	Tr
								Very slight sulphides			
165.5	173.0		7.5				6.0	Medium sulphides in ± banded hornfels and			
								possible dyke material.	165.5 - 168.5	8-32	Tr
								Highly fractured 169.0 - 173.0	168.5 - 171.5	8-33	Tr
									171.5 - 173.0	L.C.	—
173.0	173.8		0.8				0.8	Heavy sulphides in relic hornfels	173.0 - 173.8	8-34	Nil
173.8	176.8		3.0				3.0	Banded medium sulphides in relic hornfels			Tr
								(shale) Minor dyke material.	173.8 - 176.8	8-35	Tr
176.8	206.3		29.5				29.5	Banded medium sulphides, hornfels and			
								dyke material. Occasional large calcite			
								filled fractures. (AXM)	176.8 - ~~180.0~~ 179.8	8-36	0.40
								Minor magnetite (patchy) (AXM)	179.8 - 181.5	8-37	0.15
								Sulphides mainly pyrrhotite, (AMS)	181.5 - 184.5	8-38	0.12
								some chalcopyrite. (AMS)	184.5 - 186.5	8-39	0.15
								(AXM)	186.5 - 189.5	8-40	Tr

Hole No. 8 Page 5. Footage: From 206·3 To 221·0

Drill Footage From	Drill Footage To	Vein or other intersections Depth	Length	True Width	Angle to	Bedding Angle to	Core Recovery	Description	Sample Data	Sample No.	Assay
								(AXT)	189·5 - 193·0	8-41	0.14
								(AMS)	193·0 - 196·0	8-42	0.21
								(AMS)	196·0 - 198·0	8-43	0.34
								(AXT)	198·0 - 201·0	8-44	Tr.
								(AXT)	201·0 - 203·0	8-45	Tr.
								(AXT)	203·0 - 205·0	8-46	Tr.
								Medium magnetite. — (AMS)	205·0 - 206·3	8-47	Tr.
206·3	213·4	7·1					7·1	Heavy sulphides in magnetite and relic hornfels			~~Tr~~
								Minor patches of dyke material (AMS)	206·3 - 210·0	8-48	Tr.
								Sulphides mainly pyrrhotite. Some chalcopyrite	210·0 - 213·4	8-~~50~~ 49	Tr.
213·4	215·3	1·9					1·9	Light sulphides in medium fractured hornfels. Calcite on some fractures.	213·4 - 215·3	8-50	0.15
215·3	219·0	3·7					3·7	Light sulphides in greenish altered hornfels.			~~0.13~~
								(AMS)	215·3 - 217·3	8-51	0.13
								(AMS)	217·3 - 219·0	8-52	0.12
219·0	219·2	0·2					0·2	Tourmaline crystals, calcite, and light sulphides in greenish altered hornfels (AMS)	219·0 - 219·2	8-53	Tr
219·2	220·0	0·8					0·8	Highly fractured shales, grey-green alteration. Quartz + sulphides in fractures. (AMS)	219·2 - 220·0	8-54	~~Tr~~ Nil
220·0	221·0	1·0					1·0	Highly fractured shales. Grey-green alteration. (AXT)	220·0 - 221·0	8-55	Tr Nil

Hole No. 8 Page 6 FOOTAGE: From 221.0 To 241.0

DRILL FOOTAGE From	To	VEIN OR OTHER INTERSECTIONS Depth	Length	True Width	Angle to	BEDDING Angle to	Core Recovered	DESCRIPTION	SAMPLE DATA	Sample No.	ASSAY
										No	
221.0	221.8		0.8				0.8	Calcite and possible cassiterite in equal			
~~221.8~~	~~222.2~~		0.4				0	proportions. (AXT)	221.0 - 221.8	8-56	Nil
221.8	222.2		0.4				0.4	Highly fractured slates (AXT)	221.8 - 222.2	8-57	N.1
222.2	222.8		0.6				0.6	Highly fractured and altered slates.			
								Some calcite on fractures. (AXT)	222.2 - 222.8	8-58	Tr
222.8	225.5		2.7				2.7	Highly fractured, lightly faulted pinkish			
								Slates. Trace Sulphides (AXT)	222.8 - 225.5	8-59	N.1
225.5	225.9		0.4				0.4	Light sulphides in actinolite? (AMS)	225.5 - 225.9	8-60	Tr
225.9	227.1		1.2				1.2	Highly fractured slates. (Greenish and			
								pinkish alteration. Trace sulphide. (AMS)	225.9 - 227.1	8-61	Tr
227.1	229.4		2.3				2.3	Light sulphides in actinolite? and tale hornfels.			
								(AMS)	227.1 - 229.4	8-62	0.47
229.4	231.0		1.6				1.6	Highly altered slates with small actinolite			
								patches. (AXT)	229.4 - 231.0	8-63	Tr
231.0	232.0		1.0				1.0	Highly altered sediments. Large calcite and			
								possible cassiterite intrusion with small patches			
								of actinolite.? (AXT)	231.0 - 232.0	8-64	Tr
232.0	233.5		1.5				1.5	Highly fractured and contorted slates. Pinkish			
								and greenish alteration. Trace sulphides.	232.0 - 233.5	8-65	Tr
233.5	241.0		7.5				7.5	Medium sulphides (mainly pyrrhotite) in highly			
								contorted green coloured hornfels.	233.5 - 236.5	8-66	Tr
								Magnetite at 240.5. (AXT)	236.5 - 239.5	8-67	Tr

HOLE NO. ..... FOOTAGE: FROM 241.0 TO .....

DRILL FOOTAGE From	To	VEIN OR OTHER INTERSECTIONS Depth	Length	True Width	Angle to Core	BEDDING Angle to Core	Core Recovered	DESCRIPTION	SAMPLE DATA	Sample No.	ASSAY
									239.5 - 241.0	8-68	Tr
241.0	246.4		5.4				5.4	Heavy sulphides (PYRRHOTITE) in highly contorted green actinolite? or hornblende? crystals	241.0 - 244.0	8-69	Tr
								Trace chalcopyrite.	244.0 - 246.4	8-70	Tr
246.4	248.5		2.1				2.1	Light sulphides in shales and actinolite? bands.	246.4 - 248.5	8-71	Tr
248.5	249.3		0.8				0.8	Heavy sulphides in green actinolite bands.	248.5 - 249.3	8-72	Nil
249.3	255.0		5.7				5.7	Light sulphides in very highly fractured shales. Greenish alteration. Numerous quartz veins.	249.3 - 252.3	8-73	Nil
									252.3 - 255.0	8-74	Nil
255.0	257.3		2.3				2.3	Light sulphides. Highly altered greenish hornfels and actinolite?	255.0 - 257.3	8-75	Nil
257.3	260.3		3.0				3.0	Very light sulphides. Highly fractured greenish altered shales Numerous quartz veins.	257.3 - 260.3	8-76	Tr
260.3	263.6		3.3				3.3	Light sulphides. Highly altered greenish hornfels and actinolite	260.3 - 263.6	8-77	Tr
263.6	264.9		1.3				1.3	Medium sulphide. Highly altered greenish hornfels	263.6 - 264.9	8-78	Tr
264.9	266.9		2.0				2.0	Light sulphides in greenish altered hornfels and/or actinolite.	264.9 - 266.9	8-79	Tr

Hole No. 8 Page 8 FOOTAGE: From 266·9 To 276·0

DRILL FOOTAGE		VEIN OR OTHER INTERSECTIONS				BEDDING	Core	DESCRIPTION	SAMPLE DATA	Sample	Assay
From	To	Depth	Length	True Width	Angle to	Angle to	Recovered.			No	
266·9	~~26~~ 276·0		9·1				9·1	Highly fractured slates. Trace sulphides in Greenish and pinkish alteration in slates. Brecciation between 271·1 - 271·8. Numerous Quartz veins.			
									266·9 - 270·0	8-80	Nil
									270·0 - 273·0	8-81	Nil
									273·0 - 276·0	8-82	Nil

Finish 276·0

Allan McEwen.