



41010NE0083 13 CUNNINGHAM

010

Diamond Drilling

Township of CUNNINGHAM

Report No. 13

Work performed by: The American Metal Co.

Claim NO	LOG NO	Logging	Date	Note
S 62505	51-302	497.0'	Sept/54	
	51-303	353.8'	Sept/54	
S 62503	51-304	386.0'	Oct/54	

Notes:

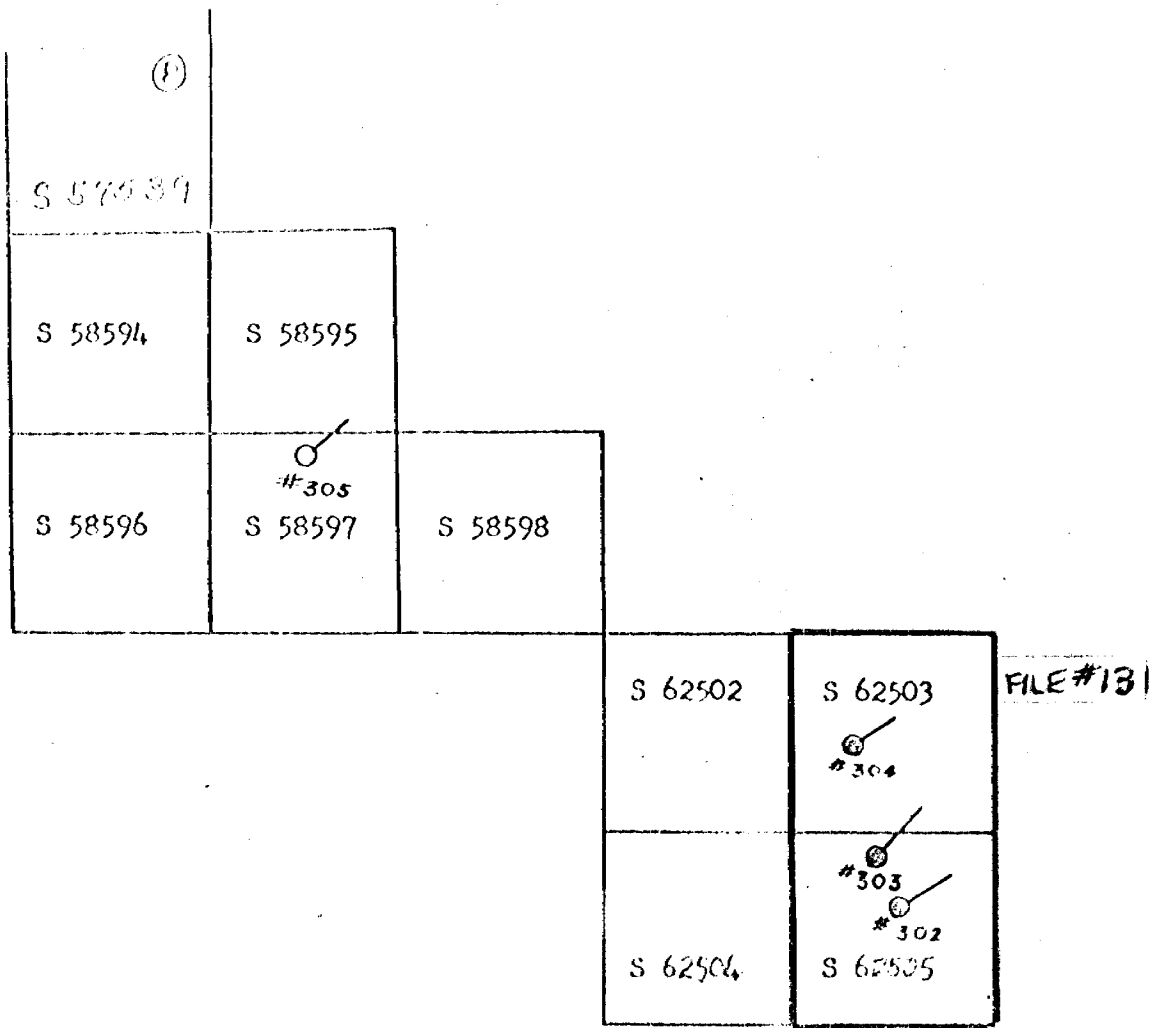
THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property: FAYOLLE OPTION
 Location: CLAIM NO. S-62505
 Hole No.: ONT-54-302
 Lat.:
 Dep.:

Bearing: NORTH 60° E.
 Dip-Surface: 45°
 Dip @
 Logged by: W.W. MOORHOUSE
 Date: September 7, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
0	11	Casing				
11	63	Fine grained, light green spherulitic lava, fractured, abundantly seamed with pyrite; patches, stringers, lenses of quartz and carbonate. Locally altered, locally fragmental, locally brecciated. Occasional massive "dioritic" sections; at 62.4 coarse pyrite cubes and pyrrhotite in dark sheared rock.				
63	68	Massive hornblende syenite or lamprophyre.				
68	91.6	Mottled variolitic greenstone as above, but little mineralization. Brecciated				
91.6	96.8	at contact with "Diorite" or lamprophyre dike, occasional chloritic veins, occasional pyrite crystals.				
96.8	118.5	Variolitic, carbonated, altered greenstone, mottled, fragmental, a little disseminated pyrite, particularly in darker phases. Abundant small carbonate stringers, occasional stringers of cherty quartz and seams of pyrite. At 110' two hair-like stringers of fine grained sphalerite (?) At 114.8 cherty quartz stringers, with a little chalcopyrite and pyrite.				
118.5	120.8	Silicified zone, black, abundant pyrite, pyrrhotite, a little chalcopyrite.				
120.8	121.4	Chert with argillite layers, heavy streaks of				



FAYOLLE OPTION - CUNNINGHAM TOWNSHIP - ONTARIO

DIAMOND DRILL LOCATIONS - Scale 1" = 1320'

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

- 2 -

Property:

Bearing:

Location:

Dip-Surface:

Hole No.:

Dip @

Lat.:

Logged by:

Dep.:

Date:

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
120.8	121.4	pyrrhotite, a little chalcopyrite, particularly with argillaceous layers. At 120.9' sulphides become much less abundant.				
121.4	125.4	Massive carbonate rich rock (lamprophyre?)				
125.4	153	Grey to black chert, much fractured and mineralized with pyrite to 126'; numerous black argillite layers, some grey tuffaceous layers; 133-134.7 chert breccia, well mineralized with pyrite; 140-140.2 chert with seams of pyrrhotite, a little chalcopyrite; 145.7-147.7 and 152.5-153 predominantly argillite, locally mineralized with fine grained pyrite and pyrrhotite. Graphitic.				
153	154.3	Soft green massive tuff.				
154.3	158	Siliceous black argillite, cherty layers, streaks concretions and disseminations of pyrite.				
158	159.1	Soft green massive tuff.				
159.1	169.3	Black argillite, abundant lenses and streaks of pyrite, occasional layers of chert, e.g. 163.8-164.5.				
169.3	170	Fine grained greenstone dike.				
170	171.2	Black chert and graphitic, pyritic black argillite.				
171.2	173.8	Lamprophyre dike.				
173.8	187.3	Black argillite, pyritic, locally graphitic locally with tuffaceous layers; some vein carbonate.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

- 3 -

Property:

Bearing:

Location:

Dip-Surface:

Hole No.:

Dip @

Lat.:

Logged by:

Dep.:

Date:

DRILL FOOTAGE		DISCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
187.3	204	No core recovered.				
204	214	Carbonate schist, green, soft, abundant carbonate stringers.				
214	262.5	Coarse, dark green "diorite" (metadiabase), cut by carbonate and quartz stringers.				
262.5	278.6	Fine grained, light grey green greenstone, locally a little pyrite.				
278.6	279.11	Fine grained black phase (argillaceous), with fine grained, disseminated pyrite and pyrrhotite, a little chalcopyrite.				
279.11	295.3	Greenstone as above.				
295.3	296	Black argillaceous material, enclosing fragments of lava, some pyrite and graphite.				
296	365.9	Fine grained greenstone, cut by hair-like black seams and carbonate stringers. Locally somewhat coarser grained and dioritic in texture, locally sheared. 350.2-350.6 argillaceous layers inter-laminated with fine grained greenstone, disseminated fine grained pyrite and pyrrhotite.				
265.9	367.1	Graphitic argillaceous material, cut by carbonate stringers, mineralized heavily with pyrrhotite, a little chalcopyrite, 366.6 becomes dense black crystalline rock with fine grained disseminated pyrrhotite, a little chalcopyrite.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

- 4 -

Property: Bearing:
 Location: Dip-Surface:
 Hole No.: Dip @
 Lat.: Logged by:
 Dep.: Date:

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
367.1	377	Greenstone of variable grain, as above. From 371.3 to 371.6 mineralized with streaks and lenses of pyrrhotite, a little chalcopyrite.				
377	387	Coarse grained, amphibolitic, massive rock.				
387	497	Greenstone, varying from fine grained to coarse grained and dioritic, locally strongly carbonated and sheared, e.g. 422.6-425.9, 462-463, 483.5 to end. Carbonate stringers, occasional quartz lenses and stringers, a little pyrrho- tite with carbonate locally.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property: FAYOLLE OPTION

Bearing: N 30° E.

Location: CLAIM NOS. S-62505 and S-62503

Dip-Surface: 45°

Hole No.: ONT-54-303

Dip @

Lat:

Logged by: W. W. MOOREHOUSE

Dep:

Date: September 7, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
0	10	Casing (subsequently drilled down to 26)				
10	30.2	Greenstone, mottled, fine to medium grained, locally variolitic, vuggy, rusty, abundant pyrite in fine grained streaks and patches and individual crystals (e.g. 10-13.4, 10-20% pyrite. Occasional quartz and carbonate veins.				
30.2	36.9	Rather coarse, massive feldspathic diorite, chilled contact, upper 52° to core, lower 80° to core. fine grained section, with carbonate stringers.	32.4-35			
36.9	38	Carbonated greenstone with much pyrite (20%)				
38	43.7	Hornblende Syenite dike, with carbonate stringers. Lower contact 65° to core.				
43.7	45.2	Greenstone, light green, brecciated near upper contact, veined with carbonate and pyrite.				
45.2	51.4	Hornblende syenite dike.				
51.4	60	Carbonated greenstone, abundant stringers of carbonate, at 51.8° with 20% pyrite, becomes dioritic 55.1-56, then variolitic, very pyritic at 56, and carbonated.				
58.4	58.7	Dark fine grained phase with disseminated coarse pyrite.				
58.7	63.1	Greenstone grades into carbonated rock clothed with chlorite (altered diorite?). Shearing 60° to core.				
63.1	93.5	Greenstone, variable; locally variolitic, locally with seams and streaks rich in pyrite; veined with carbonate, at 79.3 shearing at 50° to core.				
93.5	98.7	Carbonated, blotchy, dioritic.				
98.7	104.1	Finer grained, sheared (50° to core), then more typical, green, more pyritic; at 102 becomes carbonate schist.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property:

Bearing:

Location:

- 2 -

Dip-Surface:

Hole No.: ONT-54-303

Dip @

Lat.:

Logged by:

Dep.:

Date: September 7, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
104.1	108.4	Darker coloured greenstone, carbonate veins, a little disseminated pyrite.				
108.4	125	An inch or two of bright green carbonate, then greenstone, locally with coarse phases, locally variolitic, becoming fine grained grey carbonated greenstone at 122. At 111.8 dip 55° to core, at 117, dip 70° to core, 124.3 dip 64°.				
125	130.3	Carbonated, sheared greenstone, light grey, dip 60°.				
130.3	136.3	Black siliceous argillite and grey chert, bedding 60° to core; pyrite in thin seams and scattered crystals. At 133 chert becomes predominant. Graphitic.				
136.3	139.9	Blotchy, medium grained, dioritic rock.				
139.9	153.8	Dark bluish chert, becoming white at 145; thin seams of pyrite (up to 1/4", especially 147.5 to 148).				
153.8	155	Lost core.				
155	162	White to grey chert with breccia structure, minor seams of pyrite and/or pyrrhotite.				
162	164	Bluish white chert, sulphides as above.				
164	168	Chert grades into argillite, siliceous, black, about 5% pyrite; carbonate stringers, some vugs.				
168	169	Lost core.				
169	170	Grey, tuffaceous argillite.				
170	182	No core; a few buttons of chert (with pyrrhotite and pyrite), silicified argillite and pyrite, and quartz.				
182	185.2	Argillite, silicified, black, with graphitic partings and about 10% pyrite; bedding 70° to core; at 183.3 brecciated, quartz stringers.				
185.2	185.9	light greenish yellow carbonated schist cut by quartz veins, mineralized with coarse grained pyrite; schistosity 70°.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

- 3 -

Property:

Bearing:

Location:

Dip-Surface:

Hole No.: ONT-54-303

Dip @

Lat.:

Logged by:

Dep.:

Date: September 7, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
185.9	187.7	Predominantly quartz with included shreds of contorted schist, freely mineralized with pyrite (5%). 2-3 grains of sphalerite at 186.7.				
187.7	196.5	Greenish grey, altered, massive rock, blotched with dark green (tuff or altered diorite), cut by quartz stringers with which are associated yellowish alteration; a little disseminated pyrite.				
196.5	197.2	Quartz-schist mixture mineralized with pyrite and possibly a little sphalerite.				
197.2	198.5	Quartz vein, at 197.6 mineralized with streaks of pyrite and sphalerite, a few grains of galena.				
198.5	201.6	4 feet of brown schist with quartz, mineralized with pyrite and possibly sphalerite, followed by brecciated cherty quartz enclosing chlorite patches, mineralized locally with pyrite and possibly some pyrrhotite.				
201.6	203.4	Massive, coarse quartz, a little sphalerite at 201.6.				
203.4	220.7	Quartz-schist mixture, locally with abundant pyrite, streaks of sphalerite 205.1-.3; locally with abundant pyrite; 207.5 becomes highly contorted, with many tiny flecks of sphalerite (?) in occasional short sections; 210.3 very fine grained sphalerite (?), schist becomes light to dark green, slightly blotchy; occasional quartz veins; short sections with quartz eyes distributed through fine grained schist.				
220.7	225	Predominantly quartz, with coarse pyrite and pyrrhotite, a few grains of sphalerite, at 222.7 with section of silicified schist, 5% pyrite and pyrrhotite.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property:

Bearing:

Location:

Dip-Surface:

Hole No.: ONT-51-303

- 4 -

Dip @

Lat.:

Logged by:

Dep.:

Date: September 7, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
225	250	<p>Quartz and silicified schist with variable amounts of pyrrhotite and pyrite; 226, .6' bleached and altered looking schist, with pebble-like lenses of quartz; schistosity variable, 60-90° to core; 227.6 greenish, pebble-like lenses of quartz; 228.9 schist becomes fine grained; 229.1, .1' olive green altered zone; followed by strongly silicified schist with quartz veins mineralized with pyrite and pyrrhotite, locally short sections of massive sulphide, schistosity near 90°; sphalerite (?) at 234.6, followed by silicified schist with quartz eyes; 237.9 light coloured, fine grained, silicified schist, a little pyrite and pyrrhotite; 242 schist rather massive, dip 85°; 244.5 predominantly quartz with patches of schist, coarse grained pyrite and pyrrhotite, occasional sphalerite streaks; massive pyrrhotite with a little chalcopyrite 245.3-.7, 246.3-.4; other short sections of massive pyrrhotite.</p>				
250	270.3	<p>Gray, cherty quartz and vein quartz, with greenish chloritic zones; 252 dark greenish grey chert, 10% disseminated, pyrrhotite, locally more abundant, with a little chalcopyrite (also at 250); 253, dip 60°; 254.3 dark green schist, cut by quartz veins with coarse pyrrhotite; 256.7 silicified chloritic schist, abundantly mineralized with 10% pyrrhotite, locally more; occasional chalcopyrite; banding 60° to core; 261.6-264.9 carbonated, grey green, blotchy lamprophyre dike; 264.9 massive pyrrhotite and pyrite, a little chalcopyrite, inclusions of quartz; 265.2 chert, locally mineralized heavily with pyrrhotite seams, lenses and disseminations; some pyrite, a little</p>				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property:

Bearing:

Location:

Dip-Surface:

Hole No.: ONI-54-303

- 5 -

Dip @

Lat.:

Logged by:

Dep.:

Date: September 7, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
250	270.3 (contd.)	chalcopyrite; 266.5 dense green chert, banding sparse sulphides; 268.3 grey, streaky chert, veined with quartz, seams with pyrite, much disseminated pyrrhotite, locally a little chalcopyrite. Banding	73,			
270.3	275	Light green carbonate schist (tuffaceous?), cut by carbonate stringers, disseminated pyrrhotite	274.9;			
275	280	Silicified schist and blue grey quartz, schist well mineralized with pyrrhotite, locally with pyrite, traces of chalcopyrite, a few specks of sphalerite; mineralized streaks 65-75° to core.				
280	281	No core, ground.				
281	285.7	Bright green schist, a few pyrrhotite seams, colour banding 85°; 282.2 darker green, seams of pyrrhotite, some chalcopyrite.				
285.7	345	Vaguely porphyritic, altered rock with coarse crystals, about 300' becomes coarse grained, massive "diorite" with occasional large feldspar phenocrysts; 306-313, somewhat altered, then coarse and fresh.				
345	353	Lamprophyre dike; 353 coarse diorite.				
353.8	End of hole.					

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property: FAYOLLE OPTION
 Location: CLAIM NO. S-62503
 Hole No.: ONT-54-304
 Lat.:
 Dep.:

Bearing: N 60° E
 Dip-Surface: 45°
 Dip @:
 Logged by: J. TAJBOT
 Date: OCTOBER 6, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
0	14	Casing.				
14	14.1	Black argillaceous rock.				
14.1	16.4	Chloritic sheared argillite or fine grained tuff. Shearing at 14.9, 64° to core. Lightly mineralized with pyrite.				
16.4	16.7	Light grey chert. Mineralized at upper contact with pyrrhotite.				
16.7	17.3	Chert and tuff layers. Rather fractured. Some pyrrhotite.				
17.3	17.8	Sheared chloritic tuff or argillite. A little pyrite and pyrrhotite especially at lower contact.				
17.8	20.5	Banded chert, brecciated in part, poorly mineralized. Dip 77° to core.				
20.5	21.6	Greenish argillite with some disseminated pyrite and pyrrhotite.				
21.6	24.7	Black and grey chert cut by quartz and chlorite veins.				
24.7	26.5	Dark grey to black argillite.				
26.5	26.8	Pyrrhotite rich rock (60% pyrrhotite) with a very little chalcopyrite.				
26.8	27.3	Green tuff(?) with 20% pyrrhotite, sparsely veined by quartz.				
27.3	28.2	Highly fractured chert with a little pyrite and pyrrhotite.				
28.2	28.7	Greenish sheared tuff (shearing 50 to core), highly veined with pyrrhotite at upper and lower contacts.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property:

Bearing:

Location:

Dip-Surface:

Hole No.: ONT-5A-304

Dip @

Lat.:

Logged by: J. TALBOT

Dep.:

- 2 -

Date: OCTOBER 6, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
28.7	29.3	Chert, mineralized in the upper portion by a little pyrrhotite.				
29.3	30.0	Chert and green argillite mixture with 10% pyrrhotite in veins.				
30.0	31.9	Argillite with tuffaceous phases.				
31.9	32.2	Chert.				
32.2	45.2	Variable chloritic and carbonated tuff(?) argillite and chert in part. Poorly mineralized with pyrite.				
45.2	45.5	Chert with 5% pyrrhotite.				
45.5	46.6	lost core.				
46.6	47	Chert.				
47.0	47.9	Quartz chlorite vein.				
47.9	49.1	Chert.				
49.1	57.7	Variable, sheared tuffaceous looking rock with little mineralization. Lost core 49.2-50, 53.4-54.5.				
57.7	57.9	Quartz chlorite rock, having a vague pebbly appearance.				
57.9	58.1	Chert.				
58.1	59.2	lost core.				
59.2	60.1	Pebbly looking rock, quartz pebbles in a chloritic matrix.				
60.1	62.8	Becomes finer grained and tuffaceous looking. Shearing at 69° to core.				
62.8	65.9	Pebbly rock as above.				
65.9	120.6	Variable sheared, carbonated rock, possibly greenstone or tuff. Possible variolites at				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property:

Bearing:

Location:

Dip-Surface:

Hole No.: ONT-54-304

Dip @

Lat.:

Logged by: J. TALBOT

Dep.:

- 3 -

Date: OCTOBER 6, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
65.9	120.6	102 feet. Mineralization poor. Lost core 71.1-72.6, 74.6-81, 85-86.7, 87.5-91.7, 93.1-93.6.				
120.6	121.3	Sheared argillite with 1% pyrrhotite.				
121.3	141.3	Grey carbonate schist with a few veins of pyrite. A little chalcopyrite in a vein at 123.6 feet. Shearing at 70° to core at 139.1 feet.				
141.3	160.8	Blotchy carbonate schist veined with carbonate and quartz. Mineralization poor, pyrrhotite locally up to 2%.				
160.8	162.9	Darker green schistose rock, veined with quartz. Some disseminated pyrrhotite.				
162.9	164	Lost core.				
164	164.6	Highly veined rock as above with a few crystals of pyrite and some pyrrhotite.				
164.6	165.8	Dark green argillite.				
165.8	166.1	Highly veined rock as above. A little pyrite.				
166.1	167.6	Lost core.				
167.6	167.9	Green fractured rock, veined by quartz. Less than 5% pyrite and pyrrhotite with a few specks of chalcopyrite.				
167.9	169	Dark green argillite, heavily veined by quartz. Locally up to 30% pyrite and pyrrhotite.				
169	172.7	Variable banded schist. Dip 70° to core. Mineralized by pyrrhotite along the bands.				

THE AMERICAN METAL COMPANY, LIMITED

DIAMOND DRILL RECORD

Property:

Bearing:

Location:

Dip-Surface:

Hole No.: OMT-51-301

Dip @

Lat.:

Logged by: J. TALBOT

Dep.: - 4 -

Date: OCTOBER 6, 1954.

DRILL FOOTAGE		DESCRIPTION	SLUDGE		CORE	
FROM	TO		FOOTAGE	ASSAY	FOOTAGE	ASSAY
169	172.7	Several heavy quartz veins cut these, and and are themselves cut by veins of massive pyrrhotite (making up less than 5% of the rock), with a little associated chalcopyrite.				
172.7	176.8	Altered pyrrhotite rich rock, possibly chert (upto 30% pyrrhotite) with patches of chalcopyrite, locally up to 1%.				
176.8	178.6	Greenish fractured chert, slightly mineralized with pyrite and pyrrhotite.				
178.6	178.9	Pyrrhotite rich rock (up to 50% pyrrhotite) with a trace of chalcopyrite.				
178.9	181.2	Variable fractured chert with a few argillite layers. Slightly mineralized with pyrite and pyrrhotite. A few small veins of in an argillite band 180.7-180.9 feet.				
181.2	187.5	lost core. A few fragments of a carbonate rich rock, some veined with quartz, some with carbonate. Poorly mineralized with pyrite.				
187.5	190.5	No core.				
190.5	220.7	Variable sheared tuff cut by numerous small carbonate veins. A little pyrite. Shearing at 210 feet 70° to core.				
220.7	245.3	Unbanded chert locally rich in pyrrhotite, disseminated and in veins. A few veins of pyrite are present.				
245.3	281.5	Tuff argillite mixture cut by numerous carbonate veins and containing a little pyrite. Shearing at 261 feet 70° to core. lost core 247-248.5, 252.6-253.6, 255-256.1, 309.3-311.5.				

