105K/03

016977

Prospectors Airways Co Ltd

DIAMOND DRILL RECORD — HOLE NO. [illegible]

April 15, 1977

PROPERTY VANCOUVER

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED September 10, 1953

LATITUDE 30,005.03 S 9145.53N | DATUM ____ | COMPLETED September 27, 1953

DEPARTURE 30,012.38 E 9147.77 E | BEARING ____ | ULTIMATE DEPTH 198'

ELEVATION 3,999.50 +759 1298.0 m | DIP -90° | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag(oz/t)	CORE SAMPLE % Cu	CORE SAMPLE % Pb	CORE SAMPLE % Zn	SLUDGE SAMPLE Ag(oz/t)	SLUDGE SAMPLE % Cu	SLUDGE SAMPLE % Pb	SLUDGE SAMPLE % Zn
4.3 0-14	Casing												
14-18 5.5	Ground core - sludges show heavy lead,zinc & iron sulphides	4051			4					✓ 1.5	0.64	3.92	3.69
6.6 18-20	Ground core - sludges show heavy lead,zinc and iron sulphides	4052			2					✓ 2.24	0.98	4.47	8.57
7.6 20-25	Ground core - sludges show as above	4053			5					✓ 2.34	0.91	5.56	6.38
25-30 7.1	No core - sludges as above	4054			5					✓ 3.40	0.71	8.39	10.67
30-35 14.7	No core - sludges as above	4055			5					✓ 12.80	0.71	9.92	8.87
35-40 12.2	No core - sludges as above	4056			5					✓ 3.20	0.78	7.63	6.98
40-45 13.7	No core - appears higher in lead-zinc	4057			5					✓ 3.08	0.91	7.09	8.37
15.2 45-50	in the sludges Ground core - some gravelled core retained in barrel - consists of quartzite heavily mineralized with lead,zinc and iron sulphides -	4058			5					2.06	0.37	3.92	6.68
	zinc is in form of resinous sphalerite- bedding is horizontal	4006			5	4.64	0.68	6.78	12.68 ✓				
16.8 50-55	Ground core - 1.0" coarse gravelled portions	4059			5					0.98	0.25	2.29	1.99
	consisting of quartzite with bedding horizontal - sulphides of copper,lead, zinc; iron												
	present - sludges consist of Pb,Zn & Fe sulphides	4007			5	0.90	0.17	2.01	1.50 ✓				
17.7 55-58	Six inches of gravelled core recovered -	4060			3					1.28	0.44	2.29	2.39
	pyrite, sphalerite and some galena - approximately 25% pyrite, 10% combined lead-zinc	4008			3	1.34	0.22	3.46	3.29 ✓				

Logged by R.Campbell

DIAMOND DRILL RECORD,

HOLE NO. Van # 1

PROPERTY VANGORDA

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag(oz/t)	CORE SAMPLE % Cu	CORE SAMPLE % Pb	CORE SAMPLE % Zn	SLUDGE SAMPLE Ag(oz/t)	SLUDGE SAMPLE % Cu	SLUDGE SAMPLE % Pb	SLUDGE SAMPLE % Zn
18.3 58-60	1.8' recovered gravelled core - bluish quartzite - 20% sulphides - principally pyrite - some galena & sphalerite - sludge appears to contain mostly pyrite	4061								0.76	0.29	1.53	1.79
		4009			2	0.72	0.25	1.76	1.89 ✓				
18.9 60-62	0.7' partially ground core recovered - consists of quartzite and fine beds of schist imparting a gneissic appearance to the core sulphide replaced 40% of rock -principally pyrite with some sphalerite and the occasional crystal of galena	4062								0.72	0.54	1.42	2.29
		4010			2	0.54	0.22	1.01	2.09 ✓				
19.8 62-65	2.6' ore recovered - consists of quartzite and narrow horizons of schist as described above - the quarts predominates and in places has a milky massive appearance as opposed to the granular quartzite exhibited in the surface showing - this may be due to the degree of replacement and type (i.e.) which is greater in the latter - the schistose layers are graphitic in places - sulphides have replaced 30% of core - predominately pyrite with minor amounts of galena and sphalerite.	4063								0.62	0.32	0.93	0.80
		4011			3	0.50	0.25	.95	1.30 ✓				
×Pb/Zn													
20.3 65-66.5	1.5' partially ground core recovered - principally quartzite with some schistose layers - 20% replaced with pyrite - no sphalerite or galena noted	4064								0.84	0.27	2.94	5.19
		4012			1.5	1.00	.17	3.30	2.59 ✓				

DRILLED BY ____

SIGNED P.A. CAMPBELL

DIAMOND DRILL RECORD,

HOLE NO. Van # 1

PROPERTY VANGORDA

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

#1

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag(oz/t)	CORE SAMPLE % Cu	CORE SAMPLE % Pb	CORE SAMPLE % Zn	SLUDGE SAMPLE Ag(oz/t)	SLUDGE SAMPLE % Cu	SLUDGE SAMPLE % Pb	SLUDGE SAMPLE % Zn
21.3 66.5-70	3.0' of core recovered - quartzite & schist - some minor drag folding exhibited - 15% replaced by sulphides principally pyrite with sphalerite and some galena.	4065								1.30	0.47	2.84	3.39
		4013			3.5	1.20	0.15	3.43	2.89 ✓				
22.9 70-75	2.3' core recovered - consists of quartzite with schistose layers - 15% replaced with sulphides - mainly pyrite & sphalerite with some galena	4066			5'	1.20	0.22	3.68	3.29 ✓	1.40	0.74	4.31	4.54
		4014											
23.8 75-78	2.8' core recovered - lost water & sludge in slip planes - core consists of quartzite with schistose horizons - 10% sulphide replacement mainly pyrite & sphalerite, some galena	4015			3	1.56	0.15	4.30	5.28 ✓				
24.7 78-81	2.6' core recovered - quartzite & schist - 10% sulphides - mainly pyrite & sphalerite with minor amount of galena	4067			3	.94	0.15	3.16	2.49 ✓	1.08	1.08	3.05	3.59
		4016											
25.3 81-83	1.5' core recovered - quartzite & schist - 10% sulphides - mainly pyrite & sphalerite with some galena	4068								0.68	0.25	2.40	3.58
		4017			2	1.86	0.13	2.40	2.79 ✓				
25.9 83-85	1.3' core recovered - more schistose material with the quartzite - 5% sulphides - mostly pyrite with minor amount of sphalerite - no galena noted - lost water & sludges	4018			2	0.66	0.15	1.84	1.00 ✓				
26.8 85-88	3.0' core recovered - quartzite & schist in almost equal proportions - 5% sulphides	4069								0.98	0.63	2.51	4.18
	between 85 and 86.5 mainly pyrite with some sphalerite - massive pyrite 86.5 to 88.0'	4019	85	86.5	1.5'	1.10	0.22	2.76	4.88 ✓				
		4020	86.5	88.0	1.5'	2.60	1.32	6.23	8.27 ✓				
								4.50	6.58				

DRILLED BY ____

SIGNED P.E. CAMPBELL

DIAMOND DRILL RECORD,

HOLE NO. Van # 1

#1

PROPERTY VANGORDA

SHEET NUMBER 4 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag(oz/t)	CORE SAMPLE % Cu	CORE SAMPLE % Pb	CORE SAMPLE % Zn	SLUDGE SAMPLE Ag(oz/t)	SLUDGE SAMPLE % Cu	SLUDGE SAMPLE % Pb	SLUDGE SAMPLE % Zn
27.4 88-90	Leached zone - lost core & sludge												
28.9 90-95	Sericite schist - talcose in places - some quartz b earing fine pyrite - no sphalerite or galena noted - 90° may be lower contact	4070 4021											
30.5 95-100	of the favourable quarts zone 2.2' recovered - sericite schist - talcose in part - some fine pyrite - no galena or sphalerite noted - some quartz interlaminated with schist.	4071 4022											
31.1 100-102	1.4' recovered - sericite schist - 0.2' quartzite bearing fine pyrite & galena - bedding at 25° to core.	4072 4023	100	105	5'					0.46	0.15	0.81	1.89 ✓
32.0 102-105	1.7' recovered - 0.9' quartzite containing some pyrite & sphalerite - remainder is	4024											
33.2 105-109	sericite schist Four feet of partially ground core recovered-	4073											
34.4	sericite schist - no visible sulphides - bedding at 10° to core	4025											
109-113	3.8' recovered - sericite schist - some partially leached pyrite present - bedding at 50° to core - lost water - not able to drive Excasing	4026											
36.0 113-118	2.6' recovered - sericite schist - talcose in part - some quarts present - no visible sulphides	4027											

DRILLED BY _____

SIGNED P.A.CAMPBELL

DIAMOND DRILL RECORD,

HOLE NO. Van # 1

PROPERTY VANGORDA

#1

SHEET NUMBER 5 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				BLUDGE SAMPLE			
						Ag(oz/t)	% Cu	% Pb	%Zn	Ag(oz/t)	% Cu	% Pb	%Zn
37.5 118-123	1.9' recovered - sericite schist - talcose	4028 C											
38.4	in part - some quartz present - no visible sulphides												
123-126	1.3' recovered - sericite schist - considerable contortion in the bedding showing minor drag folds	4029 C											
39.3 126-129	2.5' recovered - sericite schist - graphitic	4030 C											
39.9	in part - bedding at 25° to core - some fine pyrite present												
129-131	2.0' recovered - sericite schist with quartz increasing in lower foot - bedding at 25° to core	4031 C											
40.5 131-133	1.7' recovered - quartzie - (80 to 90%)	4032 C			2	2.96	0.07	5.05	11.35	✓	✓		
	replaced by sulphides - principally pyrite with some sphalerite & only very little												
41.6 133-136.5	galena One foot of partially ground core recovered	4033 C			3.5	3.30	nil	6.58	8.97	✓	✓		
	quartzite - (70%) replaced by sulphides - mostly pyrite and some sphalerite - no												
42.7 136.5-140	galena noted 3.3' recovered - quartzite 90% replaced by	4034 C			3.5	2.04	0.32	4.50	5.78	✓	✓		
44.2	sulphides - very fine galena & sphalerite up to 10% combined - remainder is pyrite												
140-145	5.0' recovered - quartzite 90% replaced by sulphides - principally pyrite with up	4035 C			5	1.62	0.32	2.97	4.78	✓			
	to 10% lead-zinc sulphides												

DRILLED BY _____

SIGNED F.A. CAMPBELL

DIAMOND DRILL RECORD.

HOLE NO. V#1

PROPERTY VANGORDA

SHEET NUMBER 6 | SECTION FROM ____ TO ____ | STARTED ____ | #1

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag(oz/t	CORE SAMPLE % Cu	CORE SAMPLE % Pb	CORE SAMPLE % Zn	SLUDGE SAMPLE Ag(oz/t	SLUDGE SAMPLE % Cu	SLUDGE SAMPLE % Pb	SLUDGE SAMPLE % Zn
45.7 145-50	4.8' recovered - 2.6' 90% replaced quartzite- the remainder consists of quartzite with some fine disseminated cubic pyrite - in the highly replaced quartzite the galena and sphalerite are present up to 10% combined	4036			5'	0.80	0.49	1.45	1.99				
47.2 150-155	4.2' recovered - quartzite 90% replaced by sulphides from 150 to 151.8'-151.8 to 155 consists of bands of quartzite sericite schist & sulphides - the latter having replaced up to 50% - sulphides principally pyrite with up to 10% combined lead-zinc sulphides	4037				0.74	0.29	1.26	1.49				
48.1 155-158	0.9' core recovered - quartzite with some sericite - 30% replaced - up to 10% lead-zinc combined	4074 (155-157)								tr.	0.13	0.08	0.55
49.1 158-161	0.4' badly ground core recovered - consists of quartzite, graphite & fine pyrite	4038 4075 (157-159) 4039				0.32	0.12	0.15	.35				
49.7 161-163	No core - sludge black & muddy- may be graphitic - some fine pyrite	4076 (159-165) 4077											
163-165	50.3 No core - sludge as above	4078											
165-167	50.9 No core - sludge as above	4079											
167-169	51.5 No core - sludge as above	4080											
169-171	52.1 No core - sludge as above	4081											

DRILLED BY ____

SIGNED R.A. CAMPBELL

DIAMOND DRILL RECORD,

HOLE N Van # 1

PROPERTY VANGORDA

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

1

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				BLUDGE SAMPLE			
						Ag(oz/t	% Cu	% Pb	% Zn	Ag(oz/t)	% Cu	% Pb	% Zn
52.7 171-173	No core - sludge as above	4082											
173-175 55.3 53.9	No core - sludge as above	4083											
175-177	No core - sludge as above	4084											
177-179 54.5	No core - sludge as above	4085											
179-180 54.9	0.9' recovered - dark grey graphitic schist silicified along bedding planes - fine pyrite present - bedding at 50°.	4086											
180-182 55.5	1.7' recovered - graphitic schist -highly contorted - contains quartz and fine pyrite	4087											
182-185 56.4	2.4' recovered - graphitic schist - quartz and pyrite present - minor drag folding	4088											
185-187 57.0	1.5' recovered - graphitic schist - milky white quartz - fine pyrite present - highly contorted	4089 (185-189)											
187-189 57.6	1.7' recovered - graphite schist - quartz present imparts gneissic appearance - some fine pyrite	(189-198)											
58.1 189-190.5	1.4' recovered - graphite schist with quartz and fine pyrite	4090											
58.7 190.5-192.5	1.9' recovered - graphite schist - quartz and fine pyrite - highly contorted												
57.4 192.5-195	2.4' recovered - graphite schist - some quartz and fine pyrite												
60.3 195-198	2.6' recovered - schist becoming more sericitic - some quartz and pyrite												
	End of Hole 198'												

DRILLED BY ____

SIGNED E.A. CAMPBELL

DIAMOND DRILL RECORD

PROPERTY - VANGORDA HOLE NO. Van #2 Sheet 1

Latitude 30,066.86N 7104.47
Departure 29,788.12E 7079.42
Elevation 4,009.83+259 1301.14 Dip 90°

Depth Feet	Recovery	Formation
0.0 - 14.0 (0.26m)		Casing
14.0 - 16.0	1.2	Thinly-bedded black graphitic schist. Soft. Rusty surfaces common. Bedding flat. No mineral.
16.0 - 18.0	0.7	As above.
18.0 - 20.0	1.0	As above.
20.0 - 23.0	1.2	As above - bedding varies to 25° to core.
23.0 - 25.0	0.7	As above.
25.0 - 28.0	0.6	As above - bedding flat to 10° to core.
28.0 - 30.0	0.8	As above.
30.0 - 32.0	0.5	As above - some contortion in bedding.
32.0 - 34.0	0.6	As above.
34.0 - 36.0	1.2	As above.
36.0 - 38.0	1.1	As above - bedding contorted and drag folded.
38.0 - 40.0	0.8	Soft black graphitic sericite schist. Bedding flat to 10° to core.
40.0 - 42.0	0.6	As above - bedding locally 18° to core.
42.0 - 44.0	0.8	As above.
44.0 - 46.0	0.9	As above.
46.0 - 48.0	1.0	As above.

Depth Feet	Recovery	Formation
48.0 - 50.0	0.4	As above. Bedding contorted.
50.0 - 52.0	0.8	As above. Bedding flat to 10° to core. Scattered grains pyrite
52.0 - 54.0	1.0	As above.
54.0 - 56.0	1.2	Graphitic sericite schist. Bedding 10° to core. Silicified. Narrow threads quartz along shearing. Some brassy pyrite and pyrrhotite with quartz. Also in scattered grains and tiny fracture fillings.
56.0 - 59.0	1.4	Black schist. Bedding contorted. Some quartz with brassy pyrite.
59.0 - 61.0	0.6	Black graphitic schist. Brassy pyrite in fractures.
61.0 - 62.0	0.5	As above. quartz veinlets.
62.0 - 64.0	0.6	As above. Some pyrite.
64.0 - 66.0	0.6	As above.
66.0 - 67.0	0.8	As above - bedding contorted. Some at 10° to 15° to core. Injected lit-par-lit by narrow quartz veinlets. Minor brassy pyrite.
67.0 - 68.0	1.0	Graphitic sericite schist. Contorted and brecciated. Injected with quartz and carbonate. Fine pyrite common. 1" heavy pyrrhotite and pyrite at 68 feet.
68.0 - 71.0	1.7	Graphitic schist thinly interbedded with sericite schist. Bedding regular at 20° to core. Some pyrite and pyrrhotite along shear planes.
71.0 - 73.0	1.1	As above. Bedding contorted ranging from 15° to 30° to core. Locally brecciated and cemented with white carbonate. Some pyrite.
73.0 - 75.0	1.8	As above. Bedding regular at 10° to 20° to core. ½" massive pyrite with quartz at 73.7'
75.0 - 77.0	1.0	Dark gray schist.
77.0 - 79.0	1.4	Graphitic sericite schist. Bedding 25° to core.

Depth Feet	Recovery	Formation
79.0 - 81.0	0.6	As above. Bedding highly contorted.
81.0 - 83.0	0.4	Dark schist and white quartz.
83.0 - 85.0	0.4	Black graphitic schist.
85.0 - 87.0	1.6	As above - bedding 15° to core.
87.0 - 89.0	1.0	As above - Quartz stringers.
89.0 - 91.0	1.1	As above. 4" quartz vein at 90.7'. No mineral.
91.0 - 93.0	1.1	As above. Bedding 5° to 20° to core.
93.0 - 95.0	1.4	As above - 1" quartz stringer at 94.5' contains brown pyrrhotite
95.0 - 97.0	2.0	Black graphitic schist. Bedding 5° to core. Brown pyrrhotite in scattered narrow quartz stringers.
97.0 - 99.0	1.2	As above. Bedding 10° to core. Locally brecciated and cementid with white carbonate. Some pyrrhotite with the carbonate.
99.0 - 101.0	1.1	As above.
101.0 - 103.0	1.3	As above. Bedding 10° to core. Brown pyrrhotite replacement along bedding locally.
103.0 - 105.0	1.0	As above. locally brecciated and cemented by white carbonate. Brown pyrrhotite with the carbonate and locally along bedding.
105.0 - 107.0	1.5	As above. Bedding flat to 10° to core.
107.0 - 110.0	1.3	Black graphitic schist with interbedded sericite schist. Bedding 5° to core. Locally silicified. Brown pyrrhotite and some pyrite with quartz stringers and along shear planes.

Depth Feet	Recovery	Formation
110.0 - 112.0	1.0	Graphitic schist. Pyrite in fractures and along bedding.
112.0 - 114.0	2.0	As above. Shearing 10° to 15° to core but locally contorted and drag folded.
114.0 - 119.0	4.9	Graphitic sericite schist. Bedding at 10° to core where regular. Locally contorted drag folded and brecciated. Injected lit-par-lit by quartz and white carbonate. Minor amounts of pyrite and pyrrhotite.
119.0 - 124.0 -	4.8	Dark grey sericite schist. Bedding regular at 10° to core. Scattered narrow quartz stringers with minor amounts of brassy pyrite.
124.0 - 130.0	5.0	Drak grey sericite schist. Bedding contorted. Section cut by quartz veins and stringers. Quartz white and barren except for minor brassy pyrite.
130.0 - 132.0	0.7	Dark schist. Silicified and injected with quartz stringers. Some pyrrhotite.
132.0 - 136.0	3.4	Graphitic sericite schist with white quartz stringers. Bedding at 10° to core. Pyrite and pyrrhotite in some quartz stringers and locally along schist planes.
136.0 - 139.0	2.6	Graphitic sericite schist. Bedding flat to 10° to core. Three quartz stringers. Pyrite and pyrrhotite along bedding and in quartz.
139.0 - 143.0	3.0	Sericite schist. Bedding 10° to core. Quartz stringers but no mineral.
143.0 - 148.0	4.5	As above. Bedding 20° to 25° to core. Some quartz stringers and blebs.
148.0 - 154.0	4.7	As above. 40% replaced by white quartz. Brown pyrrhotite in much of the quartz. Some pyrite.
154.0 - 156.0	1.1	Sericite schist. Bedding 30° to core. Some quartz stringers with pyrite.
156.0 - 160.0	4.0	Graphitic sericite schist with scattered quartz stringers. Bedding 10° to 15° to core but locally drag folded and contorted. Brown pyrrhotite and brassy pyrite common in contorted sections and in quartz veins.
160.0 - 165.0	2.2	As above. 50% replaced by quartz. Some pyrite and pyrrhotite.

Depth Feet	Recovery	Formation
165.0 - 170.0	3.6	Sericite schist with graphitic sections. Bedding generally contorted but some at 10° to core. Some quartz. Some pyrrhotite and pyrite.
170.0 - 174.0	2.6	As above
174.0 - 178.0	3.1	Graphitic sericite schist. Bedding flat to 10° to core --locally contorted. Brown pyrrhotite common in small blebs and tiny veinlets thruout section. Less than 1% of volume made up by sulphides.
178.0 - 181.0	2.8	Black graphitic schist. Bedding at 10° to 15° to core, although locally contorted and drag folded. Brown pyrrhotite common in tiny blebs and veinlets. Some pyrite.
181.0 - 186.0	5.0	As above.
186.0 - 192.0	2.8	As above. Scattered quartz stringers with brown pyrrhotite.
192.0 - 195.0	2.3	As above.
195.0 - 197.0	1.8	As above.
197.0 - 200.0	2.2	As above. Pyrrhotite in one quartz stringer.
200.0 - 204.0	2.9	As above. Bedding at 15° to core. Some quartz stringers. Brown pyrrhotite in threads and blebs along shear planes.
204.0 - 207.0	3.0	As above.
207.0 - 210.0	1.8	As above. Bedding 20° to core. 3" quartz vein at 209.6 with some brown pyrrhotite.
210.0 - 213.0	2.0	As above. Bedding contorted. Local veinlets brown pyrrhotite.
213.0 - 216.0	2.1	As above. Bedding 15° to 25° to core. Brown Pyrrhotite in one quartz stringer & along bedding.
216.0 - 219.0	1.7	As above. Bedding 15° to core. Scattered quartz-carbonate veinlets with pyrite.
219.0 - 224.0	4.8	Graphitic sericite schist. Bedding locally contorted & drag folded. Where regular - at 15° to core. Injected with white carbonate carrying brown pyrrhotite. Barren blue-white quartz vein from 222.8 to 224.0
224.0		End of Hole.

(Signed) "H. D. McLeod"

DIAMOND DRILL RECORD

PROPERTY - VANGORDA HOLE NO. Van #3

Latitude	29,965.15N	9133.38
Departure	29,832.59E	9092.97
Elevation	3,976.94	1291.11 Dip 90°

Started October 8, 1953
Completed October 10, 1953
Ultimate Depth 111.0'

Depth Feet	Recovery	Formation
0.0 - 11.0		Casing
11.0 - 12.0	0.5	Schist - Fine-grained, black, graphitic sericite schist. Some carbonate veinlets. Shearing well developed but obscured by broken core. Angle indicated to be very steep. No mineral.
12.0 - 13.0	0.3	Schist - As above
13.0 - 15.0	-	Ground core - sludge black shhist.
15.0 - 17.0	0.5	Schist - as above
17.0 - 20.0	0.5	Schist - as above
20.0 - 30.0	-	Ground core - sludge black schist
30.0 - 32.0	0.6	Schist - as above
32.0 - 34.0	0.7	Schist - Fine black graphitic sericite schist. Bedding obscured by broken core but indicated to be flat.
34.0 - 36.0	0.6	Schist - as above
36.0 - 38.0	1.0	Schist - as above
38.0 - 40.0	0.8	Schist - as above
40.0 - 41.0	0.8	Schist - as above. Bedding flat.
41.0 - 42.0	0.8	Schist - Black graphitic schist with quartz carbonate veinlets. Some brassy pyrite. Bedding 17° to core. Some warping and one well-developed small dragfold.
42.0 - 44.0	-	Ground core - Sludge black schist.
44.0 - 45.0	0.5	Schist - as above.

Depth Feet	Recovery	Formation
45.0 - 27.0	0.7	Schist - as above
47.0 - 50.0	1.2	Schist - graphitic schist with some light coloured sericite - talc sections. Shearing flat.
50.0 - 52.0	0.4	Schist - as above
52.0 - 54.0	0.5	Schist - as above.
54.0 - 55.0	0.5	Schist - Sericite - talc schist with some graphite. Shearing 20° to 25° to core.
55.0 - 60.0	2.0	Sericite schist - quartz vein from 55.5 to 57.0. Quartz barren, and white. Searing at 10° to 15° to core.
60.0 - 62.0	1.8	Schist - light coloured sericite - talc schist with a quartz vein from 60.5 to 60.9. Shearing flat. No mineralization.
62.0 - 64.0	1.0	Schist - Talc sericite schist. Bedding flat to 10°to core.
64.0 - 65.0	0.5	Schist - as above. Bedding warped but at 15° to core.
65.0 - 70.0	0.6	Schist - as above
70.0 - 71.0	0.6	Schist - as above. 1" quartz stringer at 70.3 contains some brassy pyrite.
71.0 - 73.0	0.6	Schist - as above. Bedding flat to 10° to core.
73.0 - 75.0	0.6	Schist - darker in colour.
75.0 - 77.0	0.3	Schist - as above.
77.0 - 78.0	0.5	Schist - Sericite - talc variety with some graphite. Shearing highly contorted and drag folded.
78.0 - 80.0	0.7	Schist - As above. White carbonate veinlets along shear planes contain some pyrite.
80.0 - 82.0	1.0	Schist - Dark grey sericite - talc schist. Shearing warped but flat to 10° to core.

Depth Feet	Recovery	Formation
82.0 - 85.0	0.6	Schist - as above
85.0 - 86.0	0.4	Schist - as above
86.0 - 88.0	1.8	Schist - Sericite talc schist with some graphitic sections. Cut by quartz and quartz-carbonate veinlets carrying minor amounts of brassy pyrite. Shearing locally warped and drag folded. Rest at 25° to 30° to core.
88.0 - 89.0	1.0	Schist - Sericite variety. Shearing at 5° to 10° to core. Some indication here that the shearing and original bedding in the rock are at radically different angles. One piece of core has wavy banding along its length or vertical. This banding is warped and offset by the well-developed and almost flat shearing. One quartz stringer with minor pyrite.
89.0 - 91.0	1.6	Schist - Sericite - talc schist. One quartz stringer with some brown pyrrhotite. Searing warped and drag folded.
91.0 - 95.0	4.4	Schist - Sericite - talc variety shearing at 10° to 15° to core. Some well developed drag folding. Scattered quartz carbonate veinlets with some pyrrhotite.
95.0 - 99.0	3.3	Schist - as above
99.0 - 100.0	0.6	Schist - as above
100.0 - 103.0	1.1	Schist - as above
103.0 - 105.0	1.1	Schist - Sericite - talc variety. Shearing well developed and regular at 10° to core.
105.0 - 107.0	1.0	Schist - as above.
107.0 - 111.0	3.3	Schist - Sericite - talc variety. Shearing at 10° to 15° to core- locally warped and drag folded. Some evidence of vertical bedding but almost destroyed by the flat shearing. Pyrrhotite in some small quartz carbonate veinlets.
111.0	-	End of hole.

(Signed) "H. D. McLeod"

DIAMOND DRILL RECORD,

HOLE NO. Van # 4

PROPERTY VANGORDA

SHEET NUMBER 1. SECTION FROM ____ TO ____ STARTED Oct 13, 1953

LATITUDE 29.981.61 N 9138.4N DATUM ____ COMPLETED Oct 15, 1953

DEPARTURE 29.919.02 E 9119.32E BEARING ____ ULTIMATE DEPTH ____

ELEVATION 3987.23 1136.2 M DIP -90° PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE Ag oz/t	Cu %	Pb %	Zn %
0.0-5.0	(1.5 m)	Caving												
5.0-7.0	0.3 chips	Massive bressy pyrite in quartzite. Minor amounts of sphalerite - possibly some galena.	4040 n/a	2	4143						2.94	0.35	3.92	3.19
7-9	0.6 chips	Massive pyrite in quartzite. End of section consists of massive resinous sphalerite and pyrite with some galena	4041 n/a	2	4144						2.82	0.95	3.98	10.28
9-10	0.6 chips	Massive sulphides. Some chips consist massive sphalerite, pyrite & galena - others of pyrite in quartzite. This suggests banding of the sulfides within the deposit.	4042 n/a	1	4145	9-11					3.16	0.83	5.30	10.57
10-11.5	0.8 Chips	Pyrite in massive blebs and stringers in quartz. Minor amounts of sphalerite, galena & chalcpyrite.	4043 n/a	1.5	4146	11-13					2.26	1.13	4.03	8.28
11.5-14	0.7 chips	Same as above except pyrite is more abundant.. Banding of sulphides evident in one piece of core where a band of sphalerite rich sulphide occurs in massive pyrite. Some galena.	4044 n/a											
14-15	0.3 chips	Massive pyrite in quartzite. No recognizable sphalerite or galena.	4045 n/a	1	4147	13-15					3.62	1.75	4.11	8.77
15-16	0.7	Massive sulphides replacing quartzite comprise 80% of volume and consist of sphalerite, pyrite & galena in order of abundance. Banding in sulphides evident. Galena not nearly so evident as in Hole Van #1.	4046 ✓	1	4148	15-17	4.14	1.66	6.81	15.38	4.02	0.98	6.73	13.46

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 4

PROPERTY VANCOEDA

SHEET NUMBER 2 | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE Ag oz/t	Cu %	Pb %	Zn %
~~16-17~~	~~1.0~~	~~Massive sulphides with 10% to 15% quartz. Sulphides consist of sphalerite, pyrite & galena.~~	4047 ✓	1			5.10	0.28	8.90	17.32				
17-19	0.6	Same as above	4048 n/a		4149						3.46	2.71	4.97	8.87
~~19-20~~	~~0.9~~	~~Massive sulphides with 20 to 25% quartz. Sphalerite, pyrite & galena in order of abundance. Galena much more abundant than before occurring in fine fractures throughout the quartz.~~	4049 ✓	3			5.60	1.86	10.88	19.01				
~~20-21~~	~~0.8~~	~~Massive sulphides as above~~	4050 ✓	1	4150	19-21	5.20	0.58	9.99	17.53	8.90	1.13	10.60	17.35
21-23	1.5	Massive sulphides - sphalerite, ~~pyrite & galena in order of abundance.~~ 10% to 15% quartz. Galena in very ~~fine grains and fracture fillings.~~ Last section of core some schist and ~~mineral, largely pyrite. One quartz~~ veinlet cutting the banding in schist, contains some pyrite & sphalerite.	4201 ✓	2	4151		4.36	0.78	8.57	13.42	3.24	2.61	4.87	8.87
23-25	0.8 chips	Massive pyrite with 20% to 25% quartzite. Bedding apparent in dark quartzite but angle indefinite. Minor amounts of sphalerite.	4202 n/a	2	4152						1.34	2.10	1.02	3.59
25-27	0.8 chips	First half of section massy brassy pyrite with 15% to 20% quartz. Second half bedded quartzite 40% replaced by brassy pyrite. Minor amounts of sphalerite. Some galena in fine fractures in the quartz.	4203 n/a	2	4153						0.46	0.60	nil	1.60

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 4

PROPERTY VANGORDA

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Cu	SLUDGE SAMPLE Ag oz/t	Cu %	Pb %	Zn %
27-30	0.2 Chips	Bedded quartzite partly replaced by pyrite, sphalerite & galena	4204 } 4205 }	x 3 x 1	4154 4155	27-29 29-31	12.53	0.66 0.66	1.71 1.36	2.37 2.40	3.39 2.69
30-31	0.3 Chips	Same as above									
31-32	0.4 Chips	Same as above	4206		4156	31-33	2.6	0.46	0.63	Tr.	0.90
32-33	0.6 Chips	Massive pyrite 75% replacing quartzite	4207								
33-35		GROUND CORE - Sludge comprised of sulphides & quartz			4157			0.22	0.65	Tr	0.10
35-36	0.5 Chips	Brassy pyrite. Quartzite 75% replaced.	4208		4158	35-37		0.20	0.33	Tr	nil
36-37	0.4 Chips	Quartzite 35% replaced by pyrite. Fine galena in tiny fractures in quartz.	4209								
37-39	1.5	Massive pyrite with 10% to 15% quartz. No recognisable sphalerite or galena	4210	for Cu	4159		0.58	0.48	0.68	Tr	nil
39-40	0.6 Chips	White quartzite 60% replaced by brassy pyrite. One chip dark grey schist.	4211		4160	39-41		0.44	0.63	nil	0.60
40-41	0.6 Chips	Quartzite 75% replaced by brassy pyrite. Minor amounts of galena in fractures in the quartz	4212								
		x #204 & 4205 grouped together to provide enough material for assy.									

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 4

PROPERTY VANGORDA

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO	Footage WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
					Sample						Ag oz/t	Cu %	Pb %	Zn %
41-45	0.3 Chips	Core recovered consists of brassy pyrite replacing quartzite. Sludges indicate sulphides extend to 42.0	4213	41-2	4161	41-43					0.76	0.93	0.36	0.81
					4162	43-45					0.16	0.30	Tr	nil
		Remainder of section black graphite schist from which no core was recovered.			4163	45-47					0.24	0.23	nil	nil
45-50		GROUND CORE - Sludge black graphite schist .			4164	47-49					0.28	0.28	Tr	0.10
50-53	0.2 chips	Chips recovered are half quartzite 30% replaced by pyrite & half black schist. Recovery came from last 6" of section. Remainder black graphitic sericite schist as indicated by sludge.	4214		4165	49-51					Tr	0.20	nil	nil
					4166	51-53					Tr	0.20	nil	nil
53-55		GROUND CORE - Sludge largely black graphitic schist but some pyrite - bearing quartzite intersected .			4167						Tr	0.20	nil	0.40
		Schist & quartzite indicated to be interbedded in thin horizons.												
55-57	0.4 Chips	Graphitic sericite schist with white quartz veins. Minor amounts brassy pyrite. Banding well developed but angle to core indefinite.			4168						Tr	0.30	nil	0.30
57-60	0.6	Dark grey to black graphitic schist. Banding highly contorted. Some pyrite in scattered quartz-carbonate stringers			4169						Tr	0.18	nil	0.10

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 4

PROPERTY VANGORDA

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
60-62	0.3 chips	Black graphitic sericite schist			4170									
62-67		GROUND CORE Sludge - graphitic schist			4171									
67-71	0.7 chips	Black Graphitic schist			4172									
71-76	0.6	Black graphitic schist with a barren white quartz vein			4173									
76-81	0.9	Black graphitic schist with scattered quartz-carbonate veinlets. One 1' section silicified & mineralised with brassy pyrite. Banding well developed but angle indefinite due to broken nature of core. Indicated to have a low dip			4174									
81-86		GROUND CORE			4175									
86-91	0.7 chips	Black graphitic schist												
91-96	0.5 "	Same as above												
96-101	0.7 "	Same as above												
101-106	1.0	Black graphitic schist - shearing well developed - flat to 15° to core due to warping. Minor amounts brassy pyrite in carbonate veinlets.												
106-111	0.8	Black graphitic schist. Shearing flat. Brown pyrrhotite & pyrite in quartz-carbonate veinlets.												

DRILLED BY ____ SIGNED ____

DRILL RECORD,

HOLE NO. Van # 4

PROPERTY VANGORDA

SHEET NUMBER 6 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core Footage SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
111-115	0.9	Black graphitic schist. Shearing 20° to 25° to core.												
115-118	0.3	Few chips and sludge recovered. Black graphitic sericite schist.												
118-121	0.1 chips	Graphitic schist												
121-124	0.4 chips	Graphitic schist												
124		END OF HOLE.												

DRILLED BY _____

SIGNED H.D.MCLEOD

DIAMOND DRILL RECORD, HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED October 16, 1953

LATITUDE 28,481.06N | DATUM ____ | COMPLETED ____

DEPARTURE 31,308.62E | BEARING N 43° 50 E | ULTIMATE DEPTH ____

ELEVATION 4059.07 | DIP -44° 15 at surface, at 350' -46° | PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
0-22	(C.T.O	Casing												
22-24 M	0.8	Massive brassy pyrite - leached at beginning of section	4215	0	4191	22-24	29.5 0.86	0.38	1.11	1.69	1.44	0.60	2.08	2.18
24-26 M	0.8	Massive pyrite - zone highly leached	4216	2	4192	24-26	23.4 0.80	0.43	0.97	2.29	1.18	0.96	0.99	1.49
26-28 M	chips 1.3	One ½" streak galena & sphalerite Massive sulphides - pyrite with galena some quartz & carbonate throughout - the galena occurs in very fine grains throughout the pyrite. Percentage impossible to estimate. End of section becomes massive pyrite.	4217	2	4193	26-28	44.6 1.30	0.25	1.96	3.79	1.58	0.55	2.74	3.09
28-33	3.8	28.0-31.7 Massive pyrite with galena	4218	28-31.7	4194	28-30	37.7 1.10	0.60	1.36	1.30	1.06	0.50	1.21	1.29
M		in scattered narrow streaks and in white carbonate veinlets with sphalerite			4195	30-32					2.14	0.28	3.73	4.28
					4196	32-34					2.16	0.80	3.08	5.08
31.7		31.7-33.0 Massive galena with 15% pyrite - no sphalerite - galena very fine grained dull lead-grey variety	4219	31.7-33			98.0 2.80	0.38	4.40	7.08				
	1.0													
33-37 M	4.0	Massive sulphides with 20% white carbonate - sulphides 30% galena with the remaining being pyrite & some sphalerite	4220	4	4197 N.A.	33-37	90.5 2.64	0.18	4.83	7.48				
37-40 M	3.0	Massive pyrite with rounded blue to white quartz eyes. Pyrite and some chalcopyrite in fine fractures in the quartz. White carbonate blebs and stringers appear at the end of the section. Streaks of galena rich sulphides here also.	4221	2.3	4198 N.A.	37-39	76.8 2.24	0.18	4.28	6.98				

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 4

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 219.0 TO 274.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
219.0 - 224.0	3.5	Considerable fine pyrite replacing banded graphitic schist and silica.	630	5.0			0.31	0.39						
224.0 - 229.0	4.9	Same mineralization as previous section. Banding crumpled.	631	5.0			0.62	0.78						
229.0 - 234.0	5.0	Considerable pyrite and sparse sphalerite replacing graphitic schist banded with silica. Shearing at 45° to core.	632	5.0			0.42	0.40						
234.0 - 239.0	5.0	Graphitic schist containing irregular patches of silica and pyrite.	633	5.0			1.11	1.12						
239.0 - 244.0	5.0	Same as previous section. A little reddish-brown sphalerite.	634	5.0			2.99	3.44						
244.0 - 249.0	5.0	Pyrite and silica in graphitic schist to 246.0. Balance of section is massive pyrite with patches of grey silica.	635	5.0			0.98	1.20						
249.0 - 254.0	5.0	Pyrite and silica with vestiges of graphitic schist. A little sphalerite. Banding at 80° to core.	636	5.0			1.00	4.17						
254.0 - 259.0	5.0	Graphitic schist and silica, largely replaced by fine-grained pyrite.	637	5.0			1.78	2.03						
259.0 - 264.0	4.6	Crenulated graphitic schist to 261.0. Balance of section is equigranular pyrite, silica, sphalerite (reddish-brown) and galena.	638	5.0			1.78	3.03						
264.0 - 269.0	4.5	Pyrite, silica, sphalerite and galena to 266.0. Balance of section is graphitic schist and silica with pyrite and sparse sphalerite.	639	5.0			2.78	7.41						
269.0 - 274.0	5.0	Graphitic schist interbanded with considerable grey silica. Some interbanded pyrite and a little associated galena and sphalerite.	640	5.0			2.33	6.29						

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 2. SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
40-42 M	1.0	Blebs & stringers of massive pyrite	4222		4199	39-41	0.32	0.15	0.36	1.19	0.34	0.25	0.44	1.19
		in white quartz carbonate. Pyrite					11.0							
		comprises 40% of section. Galena in												
		fine fractures in the carbonate.												
42-45 P	3.0	Bluish quartzite with thin streaks	4223		4200	41-43	0.88	0.73	0.47	1.10				
		of sericite schist throughout. Section		n.r.	4301	43-45	30.2							
		shattered & mineralized with brassy												
		pyrite in massive stringers &												
		scattered grains. Chalcopyrite												
		common as tiny fracture fillings.												
		Some rounded grains of a granular												
		silvery mineral possibly arsen-												
		pyrite. Sulphides comprise 10%												
		of the section.					32.9							
45-48 M	3.0	Massive pyrite with white carbonate	4224		4302	45-47	0.96	0.35	1.22	0.90				
		and scattered narrow sections of			n.r.									
		bluish quartzite. Chalcopyrite common												
		in scattered grains & tiny fracture												
		fillings. Some sphalerite in the												
		quartz. Very minor amounts of galena												
48-52 M	4.0	48.0-51.0 Massive pyrite with	4225	48-51	n.r. 4303	47-49	0.72	0.38	0.69	0.70				
		fractured carbonate stringers. Pyrite			n.r. 4304	49-51	24.7							
		fills in around fragments. Some												
		chalcopyrite throughout in grains &												
		tiny fracture fillings.												
		51.0-52.0 Bluish quartzite fractured												
		& 20% replaced by sulphides - pyrite												
		with some chalcopyrite & reddish sphalerite.												

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 3. SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
52-60	6.2	Bluish quartzite 30% replaced by	4226	51-55	4305	51-53	1.76	0.18	3.63	7.57	1.62	0.25	2.96	6.18
		sulphides - sphalerite, pyrite & galena in a 5:5:2 ratio. Some chalco-		53	4306	53-55	60.3				2.32	0.25	4.83	7.67
		pyrite. Percentage of galena difficult to estimate as it occurs in a very	4227	55-60	4307	55-57	1.90	0.18	4.18	9.26	1.32	0.20	2.31	5.28
		fine dissemination throughout the		59	4308	57-59	65.12				1.52	0.23	2.75	5.68
		sphalerite. Quartzite well bedded but highly contorted & fractured		60-64										
60-64	1.2	Same as above - White quartz & yellow	4228	4	4309	59-61	2.66	0.20	5.28	10.68	2.26	0.25	4.94	9.87
		carbonate stringer cuts across the			4310	61-63	91.2				1.40	0.20	3.30	7.48
64-67	3.0	Same as above. Mineral less abundant	4229	64-67	4311	63-65	2.86	0.28	5.61	11.75	2.28	0.23	4.83	9.97
		at end of section. One piece sericite			x4312	65-67								
67-69		at 67'. Ground core - sludge light - grey			4313	67-69	98.0				4.24	0.25	0.55	1.89
		sericite schist												
69-75	0.6	Sericite schist - light grey highly												
75-79	1.2	schistose. Same as above. Shearing not too												
		pronounced due to contortion and												
		brecciation												
79-82	1.5	Same as above. Banding highly contort-												
		ed. Some white quartz.												
82-85	2.0	Same as above. Some white quartz &												
		minor amounts of pyrite.												
85-90	2.5	Same as above. Banding highly contorted.												
		Two white quartz stringers with some												
		chalcopyrite.												

DRILLED BY ____

4312 not received

SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 4 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
90-95	2.0	Dark grey sericite schist. Banding regular at 15° to core. One white quartz stringer. Minor amounts brown pyrrhotite.												
95-100	0.6	Sericite schist. Brecciated & carbonatized.												
100-105	1.8	Same as above												
105-110	1.7	Sericite schist with white quartz stringers. Not so highly altered												
110-113	1.4	Light grey sericite schist. Shearing regular at 35° to core.												
113-116	2.6	Same as above.												
116-117	0.4	Same as above												
117-120	1.4	Sericite schist. Banding contorted Quartz stringers.												
120-122	1.4	Sericite schist. Quartz stringers. Shearing regular at 45° to core.												
122-126	2.6	Sericite schist. Contorted & injected with quartz stringers. Minor chalco-pyrite in the quartz.												
126-133	3.5 chips	Sericite schist. Same regular banding at 40° to core.												
133-135	0.8	Sericite schist. Banding at 35° to core.												
135-141.9	4.0	Sericite schist - Bedding ranges from 27° to 34° to core.												
141.9-142	0.1 M	Sulphides replacing quartz. Mineral comprises 50% of volume. Sphalerite-galena & pyrite.												

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5.

PROPERTY VANGORDA

SHEET NUMBER 5. SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core Sample No.	Footage From	Footage To	Footage Width	Core Sample Ag oz/t	Core Sample Cu %	Core Sample Pb %	Core Sample Zn %	Sludge Sample Ag	Sludge Sample Cu	Sludge Sample Pb	Sludge Sample Zn
142-150	8.0	Massive sulphides		4.1										
	M	142.0-146.8 Quartzite 60% replaced by pyrite, galena & sphalerite. Pyrite most abundant. Galena & sphalerite occur in a very fine grained state making an estimate of amount almost impossible	4235	141.9-146	4314	5 Ho-145	1.92 65.8	0.28	1.68	7.97	0.92	0.10	0.52	3.15
	M	146.8-147.8 Massive dark brown sphalerite with pyrite and some galena. White quartz eyes throughout.	4236	5 146-151	4315	5 145-150	2.78 95.3	0.30	3.19	9.06	2.44	0.10	2.09	6.67
	M	147.8-150.0 Same as section 142.0 to 146.8.												
150-154	4.0	Massive sulphides	4237	5 151-156	4316	5 150-155	2.04 69.9	0.30	3.74	7.18	2.40	0.13	2.85	7.47
	M	150.0-152.0 Quartzite 50% replaced by pyrite, sphalerite & galena. Lead and zinc abundant - 15% combined. Some masses resinous sphalerite in white carbonate veinlets.												
	M	152.0-154.0 Quartzite 60% replaced by pyrite with some sphalerite and galena. Latter two very fine grained and difficult to estimate.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 6. SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag. oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
154-159	5.0	Massive sulphides			4317	155-160					2.16	0.15	4.60	6.77
		154.0-156.0 Quartzite 75% replaced by massive pyrite. Galena and sphalerite together & separately in streaks throughout the pyrite. Fine galena & sphalerite in unreplaced sections of quartz.												
		156.0-157.2 Pyrite, galena & sphalerite. Latter two 15% to 20% combined. Two colors sphalerite present, light resinous & deep brown. Mineral generally very fine grained although some coarse galena & sphalerite present.	4238	156.0-157.2		5	3.08	0.28	5.00	10.78				
							105.6							
		157.2-159.0 Quartzite 50% replaced by sulphides - pyrite, galena and sphalerite. Combined lead-zinc 10% approximately.												
							78.8							
159.0-160	1.0	Massive sulphides - same as Section 157.2-159.0 above	4239	157.2-162.0			2.30	0.30	3.96	8.28				
160-162	1.4	Massive sulphides - quartzite 50% replaced by sulphides			4318	160-165					1.84	0.18	3.51	5.50
							74.0							
162-169	7.0	Massive sulphides - massive pyrite with galena & sphalerite concentrated in streaks & stringers with white carbonate. Lead-zinc estimated to be 20% combined. Some chalcopyrite. Some of the galena quite coarse grained.	4240	162-167	4319	165-170	2.16	0.28	3.52	6.48	2.36	0.13	6.70	5.41
			4241	167.0-170.5			2.40	0.28	7.58	5.88				
							82.3							

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 5

PROPERTY ~~VANGORDA~~

SHEET NUMBER 7. SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core Sample No.	Footage From	Sludge To Sample	Footage Width	CORE SAMPLE Ag oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
169-174.5	5.0	Massive sulphides												
		167.0-170.5 Same as section 162.0-169.0 above.												
		170.5-173.0 Pyrite & white quartz carbonate replacing quartz. Some galena & sphalerite.	4242	170.5-174.5	4320	170-175	0.76 / 22.0	0.43	0.88	1.20	0.90	0.23	1.38	1.87
		173.0-174.5 Quartzite 70% replaced by pyrite. Galena & sphalerite recognisable locally.												
174.5-182.0	7.5	Massive sulphides												
		174.5-182.0 Quartzite 80% replaced by massive brassy pyrite. No recognizable galena or sphalerite.	4243	174.5-179.5	4321	175-180	0.84 / 28.8	0.50	0.60	0.90	0.86	0.30	0.80	1.08
		A few scattered grains chalcopyrite	4244	179.5-184.5	4322	180-185	0.50 / 17.1	0.68	0.28	0.60	0.70	0.40	0.50	0.49
182-192	10.0	Massive sulphides												
		182.0-185.0 Same as section 174.5 to 182.0, above. A few scattered grains galena & sphalerite	4245	184.5-189.0	4323	185-190	0.64 / 21.9	0.70	0.47	0.90	0.80	0.48	0.75	0.79
		185.0-191.9 streaky pyrite - the streaks due to quartz with galena & sphalerite. Some chalcopyrite	4246	189.0-191.9			0.54 / 18.5	0.53	0.75	1.10				
		191.9-192.0 Same as section 192.0 to 192.8 below.												

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
192-199	6.0	192.0 -192.8 Massive pyrite with stringers - massive sphalerite & galena. Lead-zinc estimated to be 20% combined. About 1% chalcopyrite.	4247	191.9-192.8	4324	190-195	1.92 (5.8)	0.48	2.90	4.48	1.26	0.25	1.87	1.97
		192.8-193.7 White quartz vein with a few grains of chalcopyrite and pyrrhotite.			4325	195-200					0.34	0.20	0.22	0.49
		193.7-199.0 Sericite schist. Highly contorted. Some banding regular at 45° to core.												
199.0-205.0	4.0	Sericite schist - banding highly contorted. Injected with quartz in blebs & veinlets. Brown pyrrhotite present in scattered grains, blebs and veinlets.												
205-211	4.0	Sericite schist - locally silicified Section 205.9 to 206.5 contains resinous sphalerite with some galena associated with brown pyrrhotite in stringers & blebs. Lead-zinc estimated to be 2% combined. Pyrrhotite common throughout the entire section.	4462 n.a	205.9-206.5										
211-212	0.6	Sericite schist with a 1" section brown pyrrhotite.												
212-216	4.0	Sericite schist altered to light colored talc. Locally silicified and cut by white quartz stringers. Pyrrhotite scattered throughout forming approximately 1% of the volume.	4463 n.a	212-213.2										

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY ~~VANGORDA~~

SHEET NUMBER 9 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core Sample No.	Footage From	Footage To	Sludge Width	Core Sample Ag oz/t	Cu %	Pb %	Zn %	Sludge Sample			
		212.0-213.2 Fine galena throughout the core. Some sphalerite, chalcopyrite & pyrite. Mineral less than 3% of volume.												
~~216-220~~	~~3.5~~	~~Sericite schist. Locally altered to talc. Banding locally regular at 45° to core. Barren white quartz vein from 216.0 - 217.2. Some pyrrhotite in blebs and small stringers.~~												
220-221	1.0	Talc-sericite schist with small quartz stringers.												
221-226	3.5	Sericite schist altered to talc. Original banding still present & highly drag-folded. Section 10% to 15% sulphides, mostly pyrrhotite but approximately 2% galena with some sphalerite and chalcopyrite. Mineral in blebs & stringers in highly folded sections. Some pyrrhotite stringers are drag-folded.	4248				0.16	0.38	0.41	0.10				
							5.5							
~~226-231~~	~~3.7~~	~~226.0-228.0 Same as section 221.0 to 226.0 above.~~	~~4249~~	~~226-228~~			0.44	0.30	0.91	0.30				
							15.1							
		~~228.0-231.0 Sericite schist altered to talc. 5% sulphides consisting of brown pyrrhotite with some sphalerite and pyrite.~~	4464 m.c	228-231										

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 10 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
231-236	4.0	Sericite schist altered to talc. Banding contorted & drag folded. generally but some regular at 55° to core. Section 7% sulphides in stringers & blebs. Some stringers are drag folded. Mineral pyrrhotite with minor amounts of chalcopyrite.	4465 n.a	231-232										
236-241	4.5	Sericite schist altered to talc. Contorted & silicified. Approximately 5% sulphides throughout - pyrrhotite with some chalcopyrite except for section 231.5 -231.8. This section 20% sulphides in schist & white quartz.— pyrrhotite, galena, sphalerite & chalcopyrite. Lead-zinc approximately 8% combined.	4466 n.a	236.5-237.5										
241-249	7.0	Sericite schist altered to talc. 241.0-246.0 Silicified & 15% replaced by brown pyrrhotite in stringers & blebs. Mineral & banding both drag-folded. 246.0-249.0 Same as above except for white quartz stringers and the presence of 2% to 3% galena & sphalerite. The latter are concentrated in and near the quartz. Some chalcopyrite.	4467 n.a	246-249										

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 11 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
246–254	5.0	Talc-sericite schist. Bedding drag-folded & contorted but locally regular at 60° to core. Section 10% replaced by brown pyrrhotite in stringers with quarts. Five white quarts stringers with scattered small grains galena. Some galena in the pyrrhotite - some chalcopyrite	4468 n.a	249-254										
254–260	5.0	Talc sericite schist - some sections pure talc. Bedding regular at 45° to core. Section 7% replaced by brown pyrrhotite. Some chalcopyrite.												
260–264	2.1	Talc - 10% replaced by brown pyrrhotite. Pyrite & minor amounts galena.	4469 n.a	260–264										
264–270	4.0	Schist altered to talc, silicified & replaced by white quartz carbonate. A fracture & the carbonate stringer lie along the core. 5% mineral made up of 3% pyrrhotite, 1% galena, 1% sphalerite, pyrite & chalcopyrite.												
270–274	2.0	Same as above except mineral all pyrrhotite.												
274.0–280.0	4.6	Talc sericite schist. Bedding regular at 55° to core. Quartz carbonate stringers along core. Pyrrhotite - some sphalerite and galena related to the stringer.	4470	274-276.3										

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 12 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO	Footage WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
~~280-297~~	~~15.0~~	Talc sericite schist. Banding generally regular at 50° to 55° to core. Scattered quartz stringers. 7% sulphides composed of pyrrhotite with ½% chalcopyrite.												
~~297-305~~	6.7	Same as above												

DRILLED BY _____

SIGNED _____

DIAMOND DRILL RECORD, HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 13 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE oz/t	Cu%	Ni%	Pb	Zn	SLUDGE SAMPLE
~~305-311~~	~~5.5~~	~~Sericite schist partially altered to talc. Bedding contorted. Deep brown pyrrhotite in stringers and blebs~~										
311-316	4.6	Talc with remnants of unaltered schist. ~~Banding locally regular at 50° to core.~~										
316-320	4.0	Same as above. Minor amounts brown ~~pyrrhotite.~~										
320-323	3.0	Same as above.										
~~323-330~~	~~7.0~~	~~Sericite schist highly altered to talc. Banding highly contorted & drag folded. 2% brown pyrrhotite in stringers and blebs. Many of these stringers drag-folded with the banding.~~										
330-334	4.0	Sericite schist altered to talc. Banding regular at 70° to 80° to core.										
		White quartz stringers comprise 10% of section. Brown pyrrhotite in stringers and blebs along banding.	✓					Cu nil				
~~334-344~~	~~9.8~~	~~334-335.8~~ Sericite schist partially	4250	334.0	4326	395-		.018	mil			
		altered to talc. Banding regular at 70° to core. Section 35% replaced by brown pyrrhotite in stringers along and across banding. 1% to 2% chalco-pyrite.	Ni Cu	335.8	n.s.	340						
		~~335.8-339.4~~ Talc sericite schist. Banding regular at 70° to core. One quartz stringer with brown pyrrhotite.										

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANGORDA

SHEET NUMBER 14 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET.	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Hg	Cu	Ni	Pb	Zn	SLUDGE SAMPLE
			#351 ✓									
		339.4-344.0 Section altered to talc	4351	339.4-	4327	340-	0.62	023	—	0.83	1.47	
			+Ni	344.0	n.a	345	21.3					
		& carbonate. Cut by white carbonate stringers. Sulphides comprise 35% of section and increase in amount towards the end. Consist of pyrite & pyrrhotite with 1% chalcopyrite. Reddish sphalerite noted in first few inches. Pyrrhotite common at beginning of section gives way to pyrite at end.	✓									
344-347	3.0	25% sulphides replacing quartzite or silicified schist. Banding in schist obscure. Sulphides 15% pyrite, 7% sphalerite, 2% chalcopyrite, 1% galena.	4352 +Ni		4328 n.a	345- 350	0.66 22.6	0.20	—	0.66	0.20	
			✓									
347-358	10.6	347.0-349.4 25% sulphides replacing silicified schist. Sulphides 17% pyrite, 5% sphalerite, 2% chalcopyrite, 1% galena.	4353 +Ni	347- 349.9	4329 n.a 4330 n.a	350- 355 355- 360	0.14 4.8	0.23	Ni	0.41	0.59	
		349.4-349.9 Schist altered to talc. 3% pyrrhotite.	✓									
		349.9-353.0 40% sulphides replacing silicified talc. Sulphides 15% pyrrhotite, 12% pyrite, 7% sphalerite, 4% galena, 2% chalcopyrite. Galena may be more abundant but occurs in such small grains it is difficult to estimate.	4354 +Ni	349.9- 353			1.04 55.6	0.28	Ni	1.96	4.51	

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 5

PROPERTY VANCONDA

SHEET NUMBER 15 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
		353.0-358.0 Schist altered to talc. Banding regular at 70° to core flattening to 55° at end of section. Several quartz stringers 2% brown pyrrhotite.												
358-364	6.0	Sericite schist partially altered to talc. 6" quartz vein at beginning of section. 4% pyrrhotite with some chalcopyrite. Banding regular at 55° to core.												
364-372	8.0	Sericite schist. Banding locally regular at 55° to core locally contorted. White quartz in stringers & blebs comprises 5% of section. 1% to 2% brown pyrrhotite in blebs and narrow stringers.												
372.0		END OF HOLE.												

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 6

PROPERTY VANGORDA

Checked Hogg April 5, 1954

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED Oct 16, 1953

LATITUDE 30,088.73 9171.04N | DATUM ____ | COMPLETED Oct 19, 1953

DEPARTURE 29,951.06 9129.09E | BEARING ____ | ULTIMATE DEPTH 117' .0 (35.66) 1304.97 m

ELEVATION 4021.29 +2.5 1304.63 m | DIP -90° | PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Sample TO	Footage WIDTH	CORE SAMPLE Ag oz/t	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
0.0-44.0	13.4 m	Casing - large granite boulders in overburden			4176 Rusty material	41-44 surface					0.88	0.28	2.64	0.50
44-46	1.8	Massive sulphides with 15% quartz. Pyrite with galena & sphalerite in streaks and blebs. Galena & sphalerite approximately 7% combined	4230		4177 n.a	44-46	2.84	0.35	6.48	6.38				
46-47	1.0	Massive sulphides - pyrite with galena & sphalerite in sections of unreplaced quartzite. Same relatively coarse galena	4231				3.40	0.28	9.56	8.37				
47-49	1.1	Massive sulphides. Pyrite, galena and sphalerite. Lead and zinc estimated to be 15% combined. Some quartzite partially replaced by pyrite at end of section	4232		4178 n.a	46-49	3.16	0.43	8.02	13.55				
49-51	0.9	Blue white quartzite shattered and replaced by 10% to 15% brassy pyrite. Scattered blebs of spahlerite & galena	4233		4179	49-51	0.80	0.43	2.27	3.09	0.56	0.43	1.21	2.29
					4180	51-53					0.16	0.23	0.06	0.70
51-60		Ground core - sludge grey sericite schist.			4181	53-55					Tr.	0.15	Tr.	1.01
					4182	55-57					0.16	0.10	Nil	Trace
					4183	57-60					0.18	0.20	Nil	Nil
60-62	0.4 chips	Chips recovered are all white quartz with some brassy pyrite. Sludge indicates the presence of schist.			4184	60-62					0.30	0.18	Tr.	Nil
		Quartz is the vein type rather than quartzite.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 6

PROPERTY VANGORDA

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag/ozt	Cu %	Pb %	Zn %	SLUDGE SAMPLE Ag	Cu	Pb	Zn
62-64	0.4 chips	Same as above	4234	60-64	4185	62-64	0.22	0.18	0.11	nil	0.26	0.20	Nil	0.10
64-68	1.3	Black graphite schist with quartz at the beginning of the section -			4186	64-66					0.28	0.18	Nil	0.50
					4187	66-68					0.22	0.23	Nil	0.20
68-76		Banding highly contorted Ground core - sludge dark schist			4188	68-73					0.34	0.30	Nil	0.30
					4189	73-78					0.04	0.25	Nil	0.10
76-78	1.3	Graphitic schist - extremely contorted and drag folded. Brecciated. Some brassy pyrite in carbonate veinlets & blebs.												
78-81	0.5 chips	Same as above			4190	78-83					0.18	0.15	Nil	Nil
81-83	0.1 chips	Same as above												
83-85	0.1 chips	Two chips core recovered are white quartz with a few grains pyrite. Sludge largely schist.												
85-87		Ground core - sludge schist.												
87-89	0.1 chips	Graphitic schist.												
89-93	0.4 chips	Same as above												
93-95	0.4 chips	Graphitic schist - shearing contorted. Some pyrite in quartz-carbonate veinlets.												
95-98	0.4 chips	Graphitic schist. pyrite in a quartz stringer.												
98-100	0.1 chips	Graphitic schist												
100-109	0.2 chips	Graphitic schist & quartz												
119-111	0.5 chips	Same as above												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 6

PROPERTY VANGORDA

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
111-113	0.8	Graphitic schist. Banding regular but core too broken up to determine angle.												
113-116	1.0	Graphitic schist. Some white quartz. Banding regular at 40° to core.												
116-117	0.7	Graphitic schist. Banding regular at 47° to core. Schist harder and more slatey in appearance. Tiny quartz veinlets along the bedding containing pyrite and what may be a few grains of sphalerite.												
117.0		END OF HOLE.												

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. Van # 7

PROPERTY VANCORDA

SHEET NUMBER 1 SECTION FROM ____ TO ____ STARTED Oct 22, 1953.

LATITUDE ~~29936.80~~ 9124.73N DATUM ____ COMPLETED ____

DEPARTURE ~~30081.97~~ 9168.98E BEARING ____ ULTIMATE DEPTH ____

ELEVATION ~~3991.86~~ +259' 1295.6 DIP 90° PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE Ag	Cu	Pb	Zn
~~0.0-53.0~~	16.1	Overburden.												
53-55		GROUND CORE - Sludge pyrite in quartzite.			4331	53-55					0.70	0.10	0.17	Nil
55-57	0.2 chips	Chips recovered one quartzite 50% replaced by pyrite.			4332	55-57					0.62	0.10	0.17	Nil
57-59	0.9	Quartzite 40% to 50% replaced by by brassy pyrite. Mineral tends to occur in massive beds.	4355		4333	57-59	0.76	0.13	0.25	Nil	0.98	0.10	0.39	Nil
~~59-63~~	~~0.9~~	~~Same as above~~	4356		4334 4335	59-61 61-63	0.68	0.13	0.55	Nil	0.50 0.90	0.13 0.15	0.19 1.16	Nil Nil
63-65	0.8	Quartzite replaced by sphalerite, galena & pyrite. Lead-zinc possibly 8% to 10% combined	4357	2	4336	63-65	3.36	0.56	7.57	10.49	1.98	0.40	3.73	4.42
65-66	0.6	Quartzite 30% replaced by pyrite with some galena & sphalerite. Lead-zinc possibly 5% combined.	4358	1	4337	65-67	1.66	0.45	3.30	4.00	1.28	0.35	2.42	3.24
66-67	0.5	Quartzite 30% replaced by pyrite with some galena & sphalerite. Lead-zinc possibly 5% combined	4359	1			1.18	0.15	2.19	3.43				
~~67-70~~	~~0.9~~	~~Same as above~~	4360	3	4338	67-69	0.76	0.50	1.38	1.67	1.40	0.43	2.31	2.75
70-71	1.0	Quartzite 35% replaced by pyrite - some in massive stringers. Scattered grains galena & sphalerite.	4361	1	4339	69-71	0.80	0.53	1.22	2.35	0.94	0.58	1.44	2.16
~~71-72~~	~~0.5~~	~~Quartzite 30% replaced by pyrite~~	4362	2 71-73	4340	71-73	1.20	1.46	1.32	5.38	1.06	0.75	1.21	3.24
72-73	0.5	Quartzite 30% replaced by pyrite with some galena & sphalerite. Lead-zinc possibly 5% combined.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 7

PROPERTY VANGORDA

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage Sludge Sample FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE Ag	Cu	Pb	Zn
73-76	1.7	Quartzite 30% replaced by pyrite, sphalerite & galena. Lead-zinc 5% to 7% combined.	4363 ✓	3	4341	73-75	1.10	0.53	1.66	3.62	1.06	0.80	1.30	2.65
					4342	75-77					1.06	0.78	1.57	2.95
76-81	2.5	Quartzite 30% replaced by pyrite, galena & sphalerite common in last foot of section.	4364 ✓	5	4343	77-81	0.60	0.70	0.80	1.96	0.96	1.00	0.83	1.78
81-84	2.0	Quartzite with black schist beds 20% replaced by pyrite, galena & sphalerite. Lead-zinc possibly 5% combined. Bedding 10° to core.	4365 ✓	3	4344	81-84	0.96	0.30	2.02	3.23	0.74	0.58	1.35	3.05
84-85	0.3	Quartzite & black schist 20% replaced by pyrite, galena & sphalerite. Lead-zinc 10% to 12% combined. Banding contorted but at a high angle to core	4366 ✓	2 84-86	4345	84-86	1.90	0.23	4.72	5.28	1.36	0.40	3.06	3.93
85-86	1.0	Same as above												
86-90	1.2	Same as above	4367 ✓	4	4346	86-90	1.66	0.30	4.61	3.52	3.26	0.48	3.26	4.03
90-92	1.2	Quartzite & schist 20% replaced by sphalerite, galena & pyrite. lead-zinc possibly 10% combined.	4368 ✓	2	4347	90-92	1.16	0.13	3.08	4.90	1.56	0.78	2.98	5.50
92-94	0.6	Quartzite & schist 20% replaced by galena, sphalerite & pyrite. Lead-zinc possibly 7% combined.	4369 ✓	—	4348	92-94	1.34	0.15	3.84	4.12	1.36	0.13	3.15	5.50
94-96	0.9	Quartzite 75% replaced by pyrite with some galena & sphalerite. Lead-zinc 8% combined	4370 ✓	2	4349	94-96	1.92	0.30	4.06	6.66	2.04	0.28	2.43	6.39
96-99	1.0	Massive pyrite & galena. Galena occurs in very fine grains throughout making an estimate impossible. Possibly 15%.	4371 ✓	3	4350	96-99	1.96	0.38	8.38	9.80	3.44	0.35	10.10	10.62

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 7

PROPERTY VANGORDA

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Footage TO	Sludge Footage WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE Ag	Cu	Pb	Zn
99-101	2.0	Same as above - a few grains of sphalerite.	4372 ✓	2	4401	99-101	3.64	0.38	5.71	9.30	2.52	0.18	2.68	5.01
101-103	1.3	Same as above. Sphalerite a little more abundant.	4373 ✓	2	4402	101-103	2.84	0.30	4.61	7.65	1.98	0.48	2.76	4.33
103-104	0.9	Quartzite & schist 10% replaced by pyrite, galena and sphalerite.	4374 ✓	1	4403	103-105	1.76	0.05	0.76	0.49	1.34	0.28	1.82	2.65
104-108	3.2	Interbedded quartz & schist 5% to 10% replaced by pyrite. No recognisable galena or sphalerite. Bedding extremely contorted.	4375 ✓	4	4404	105-107	0.38	0.16	0.83	nil	1.16	0.35	1.82	1.38
					4405	107-109					1.06	0.35	1.93	0.98
108-111	1.4	Section same as above except for last 6 inches which is massive pyrite.	4376 ✓	3	4406	109-111	0.90	0.10	1.88	2.36	1.54	0.33	1.52	1.38
111-112	0.3	Massive pyrite & galena	4377 ✓	2 111-113	4407	111-113	1.90	0.23	3.51	6.10	1.40	0.30	2.21	2.65
112-113	0.9	Massive pyrite and galena. Estimate of galena content impossible to fine-grained occurrence but is abundant. Possibly 15%												
113-116	3.0	Quartzite 80% replaced by brassy pyrite. 8% galena & 5% sphalerite in streaks through the pyrite.	4383 ✓	3	4408	113-115	3.70	0.48	5.22	9.04	1.96	0.33	3.12	8.83
116-117	0.3 chips	Massive pyrite with some galena		4	4409	115-117					2.62	0.43	3.92	6.49
117-119	1.4	Massive pyrite with 20% quartz, 10% to 12% galena & sphalerite combined.	4384 ✓	116-119 3	4410	117-119	2.92	0.38	4.08	8.75	2.58	0.40	3.64	5.70
119-127		GROUND CORE - Sludge white talc sericite schist. Some sulphides due to caving.		8	4411	119-122					1.56	0.98	4.20	4.78

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 7

PROPERTY VANGORDA

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
127-130	0.5 chips	Quartz stringers in talc sericite schist.		3										
130-133		GROUND CORE - Sludge white sericite schist.		3										
133-138	1.8	Section 60% sulphides and 40% white quartz. Sulphides 40% pyrite & 20% combined galena & sphalerite	4385 ✓	5			3.18	0.15	5.69	10.81				
138-142	4.0	80% sulphides & 20% quartz. Sulphides 70% pyrite & 10% galena & sphalerite combined. Latter confined generally to sections containing quartz and narrow quartz carbonate veinlets cutting the pyrite.	4386 ✓	4			1.44	0.16	2.96	7.67				
142-147	4.7	80% massive sulphides & 20% quartz. Sulphides 60% pyrite, 12% galena, 8% sphalerite.	4387 ✓	5			1.46	0.50	2.98	3.24				
147-152	1.7	147.0-148.0 Massive sulphides same as section 142.0-147.0 above.	4388 ✓	147 / 148			1.86	0.15	3.48	6.49	148'			
		148.0-152.0 Talc sericite schist.		4	00				Nil	Nil				
152-157	3.8	Contorted sericite schist altered to talc. Cut by scattered white quartz stringers. Two narrow stringers contain galena, sphalerite, pyrite and pyrrhotite.		5	00				"	"				
157-161	3.5	Massive sulphides with 10% quartz. The first foot of the section is pyrrhotite with some pyrite, galena, & sphalerite - the remainder massive pyrite with some galena & sphalerite. Galena & sphalerite 5% combined.	4389 ✓	4			1.14	0.40	2.51	2.85				

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 7

PROPERTY VANGORDA

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
161-165	0.9	The chips recovered are white quartz and brassy pyrite. Sludge is largely talc-sericite schist.												
165-167	1.2	Sericite schist altered to talc and 50% replaced by white quartz veins.												
167-168	0.8	Highly contorted sericite schist altered to talc and white carbonate.												
168-172	0.3 chips	Chips recovered are white quartz mineralized with small amounts of pyrite, galena & sphalerite. Sludge is talc sericite schist.												
172-176	2.0	First half of section is white talc sericite schist; - the last half dark sericite schist. All 10% replaced by brown pyrrhotite in small												
176-181	4.3	stringers & blebs. 1% chalcopyrite. Medium-grey sericite schist highly altered to talc. Banding obscure, 15% replaced by brown pyrrhotite.	4390 J				0.18	0.15	0.25	0.39				
		1% to 2% chalcopyrite. Relatively coarse galena & sphalerite in schist												
		at 180.0. Some galena in a white quartz stringer at end of the section.												
181-187	5.6	181.0-181.5 White quartz vein mineralized with pyrite, pyrrhotite & chalcopyrite.	4391 J				Tr.	0.15	0.14	0.39				
		181.5-187.0 Highly altered dark grey green schist. 20% replaced by brown pyrrhotite. 1% to 2% chalcopyrite. Local occurrences of galena & sphalerite.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 7.

PROPERTY VANCORDA

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
187-192	4.7	Sericite schist highly altered and silicified. 20% replaced by pyrrhotite. 1% to 2% chalcopyrite. One splash sphalerite.												
192-197	4.8	192.0-192.5 Talc sericite schist.												
		192.5-193.0 White quartz. Coarse galena in fractures.	4392 ✓	192.5-197.5			1.58	0.23	0.25	4.23				
		193.0-194.1 Quartz 30% replaced by sphalerite, galena and some pyrite.												
		194.1-195.8 Massive pyrite with 5% to 8% combined galena & sphalerite.												
		Heavy chalcopyrite in one remnant of quartz and talc.												
		195.8-197.0 Section 60% replaced by sphalerite, pyrite & galena. Galena-sphalerite possibly 30% combined.												
197-202		197.0-197.5 Schist 30% replaced by massive sphalerite & pyrite. Some galena.												
		197.5-202.0 Highly contorted black graphitic schist. Injected with white carbonate veinlets. Some pyrrhotite.												
202-204	1.1	Schist altered to talc. A 1" stringer of massive sphalerite, pyrite & galena at 202.3.												
204-208	2.2	Sericite schist altered to talc.												
208-210	1.7	Talc sericite schist with white quartz stringers.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 7

PROPERTY VANGORDA

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
210-213	0.5	Same as above												
213-216	1.5	Talc sericite schist. 1" sulphides at end of section.												
216-221	5.0	Massive sulphides with 10% to 15% quartz. Sulphides 15% sphalerite, 10% galena, the remainder pyrite. Banding in sulphides evident. Sphalerite rich sections prominent.	4456 /			5'	1.70	0.28	4.48	5.60				
221-227	5.0	221.0-221.8 Sulphides 60% replaced by white carbonate. 221.8-224.8 Massive pyrite with 15% combined sphalerite & galena. 224.8-226.5 Talc sericite schist 226.5-227.0 Quartz 70% replaced by pyrite, sphalerite & galena.	4457 /	221.0-224.8		3.8	2.48	0.25	3.59	7.57				
			4458 /	224.8-227.3		2.5	1.36	0.20	2.32	3.93				
227-232	3.0	227.0-227.2 Sulphides same as section 226.5-227.0 above. 227.2-232.0 Schist altered to talc. Locally silicified and cut by quartz stringers. Scattered brassy pyrite.												
232-236	1.5	Talc sericite schist.												
236-238	2.0	Talc sericite schist.												
238-243	1.4	Talc sericite schist. Scattered pyrite												
243-246	2.2	Talc sericite schist. 2% [illegible] pyrite & pyrrhotite.							tr					
246-251	4.2	Talc sericite schist. Shearing contorted but generally at a low angle to the core. Scattered quartz stringers with brassy pyrite.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 7

PROPERTY VANGOHDA

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
251-254	1.2	Same as section above.												
254-259	5.0	254-254.3 Sericite schist 254.3-254.4 Quartz stringer with galena, chalcopyrite, sphalerite and pyrite. 254.4-254.9 Quartz & schist, some interbedded. Replaced by 15% pyrite. A few grains of sphalerite. 254.9-259.0 Section 70% sulphides 30% quartz and white carbonate. Sulphides pyrite with 5% pyrrhotite and 5% combined galena & sphalerite. A few grains of chalcopyrite.	4459 ✓	254.3-259			0.88	0.43	1.24	1.57				
259-263	4.0	Interbedded quartz&schist. Tiny quartz veinlets cut the schist bands indicating silicification. Bedding regular at 20° to core. Section 15% replaced by brassy pyrite which selectively replaces the quarts. A few grains sphalerite.	4460 ✓				0.46	0.15	0.88	Tr.				
263-268	3.1	263.0-264.6 Quartz & white carbonate 60% replaced by brassy pyrite. 4% sphalerite and galena. 264.6-265.4 Interbedded schist and quartz 10% replaced by pyrite.	4461 ✓	263.0-264.6			0.76	0.20	1.27	1.97				
268-273	1.3	265.4-268.0 Black graphitic schist. Black graphitic schist. Minor amounts of pyrite.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 7

PROPERTY VANGORDA

SHEET NUMBER 9 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core Sample No.	Footage From	Sludge Footage To Sample	Width	CORE SAMPLE				SLUDGE SAMPLE			
273-276	0.9	Same as above. Shearing contorted.												
276-277	0.4	Black graphitic schist.												
277-281	1.8	Same. Highly contorted. Some pyrite.												
281-286	0.1	Black graphitic schist.												
286-288	0.1	" " "												
288-291	0.1	" " "												
291-296	1.4	Highly contorted black graphitic schist.												
296-300	3.9	Same. Scattered pyrite.												
300		END OF HOLE												

DRILLED BY ____

SIGNED H.D.MCLEOD.

DIAMOND DRILL RECORD, HOLE NO. Van # 8

PROPERTY VANGORDA

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO	WIDTH	CORE SAMPLE Ag	Co	Pb	Zn	SLUDGE SAMPLE			
332-344	7.8	332.0-336.5 Black schist 90% replaced by equal amounts of quarts & pyrite. A few scattered grains of galena & sphalerite.	4454 ✓	331.0-336.0			0.64 / 21.9	0.20	1.58	1.77				
		336.5-338.0 Black graphitic schist with 10% pyrite	4455 ✓	336.0-340.0			0.40 / 13.7	0.18	0.33	0.98				
		338.0-339.0 Massive pyrite same as section 332.0 to 336.5 above.												
		339.0-344.0 Black graphitic schist. First foot of section mineralized with pyrite.												
344-353	4.5	Contorted and altered black graphitic schist. Minor amounts of pyrite.												
353-360	2.5	Contorted black graphitic schist. Some pyrite in small veinlets.												
360.0		END OF HOLE.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 8

PROPERTY VANGORDA

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Sample TO	Footage WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
111-113	2.0	Same as above. 35% sulphides as follows - 15% pyrite, 8% sphalerite, 8% galena, 4% chalcopyrite.	4379	111-113	2'	2	1.36 46.6	0.20	3.70	4.13				
113-124	10.5	113.0-117.5 Schist and quartz 35% replaced by sulphides - 15% sphalerite, 8% pyrite, 5% galena, 4% pyrrhotite, 3% chalcopyrite.	4380	113.0-117.5	4.5	4.5	1.18 40.4	0.13	2.54	5.21				
		117.5-124.0 Sericite schist altered to talc. The contact between the quartz-schist section and the sericite schist is abrupt but not sharp. Shearing at 40° to 50° to core.												
124-136	10.0	Talc sericite schist. Shearing regular but varies from 40° to 50° to core. Scattered quartz stringers. Two stringers pyrrhotite.												
136-145	7.3	Sericite schist. Shearing 45° to core.												
		142.5-145.0 Sulphides present as small replacement stringers and blebs along bedding. Sphalerite, pyrrhotite and galena.	4381	142.5-146.0			0.16 5.5	0.10	0.52	4.62				
145-153	3.5	145.0-146.0 Sphalerite, galena, pyrrhotite & chalcopyrite comprise 20% of section.												
		146.0-153.0 Sericite schist.												
153-159	5.5	Sericite schist. Shearing 20° to core. 10% pyrrhotite in massive stringers and finely disseminated grains. 1% chalcopyrite.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. Van # 8

PROPERTY VANGORDA

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge TO Sample	Footage WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
159-167	7.0	Talc sericite schist. Shearing regular but changes from 70° to core at beginning to 50° at the end. 10% pyrrhotite in massive stringers. Sphalerite & pyrite with the pyrrhotite at 166.0.												
167-175	8.0	Sericite schist altered to talc in sections. Shearing contorted but locally regular at 55° to core. 5% pyrrhotite in stringers. Pyrite with 1% to 2% sphalerite from 168.0-169.0.												
175-180	5.0	Sericite schist. Shearing 50° to 55° to core. Section 177.0 to 178.5 20% replaced by pyrrhotite with minor amounts of sphalerite and chalco-pyrite.												
180-189	9.0	Sericite schist. Shearing 45° to 50° to core. 15% replaced by pyrite & pyrrhotite in stringers. Scattered sphalerite & galena comprising less than 1% of the section.												
189-200	11.0	Talc sericite schist. Shearing regular at 50° to 55° to core. Section 5% replaced by pyrite & pyrrhotite. A few tiny veinlets of sphalerite.												
200-203	2.3	Sericite schist.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. Van # 8

PROPERTY VANCOEDA

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
203-212	9.0	203.0-206.8 Talc sericite schist. Shearing contorted. 10% pyrrhotite.												
		206.8-212.0 Massive sulphides with 20% quarts in rounded grains. Sulphides 20% sphalerite, 15% galena, the remainder pyrite. Mineral is very fine-grained.	4382	206.8 212.1 2018 53			2.50 85.7	0.07	4.03	9.63	✓			
212-214	2.0	212.0-212.1 Same as above. 212.1-214.0 Sericite schist altered to talc. 30% replaced by white quarts mineralised with pyrrhotite.												
214-224	8.5	Sericite schist altered to talc. Shearing contorted. 15% pyrrhotite in stringers and fracture fillings. 1% chalcopyrite. Large rounded grains arsenopyrite in a white quarts stringer at 218.0												
224-228	3.2	Contorted talc sericite schist. White quarts vein from 224.6 to 225.1 5% pyrrhotite.												
228-234	5.0	Sericite schist altered to talc. Shearing irregular. Section 25% replaced by white quarts. Large rounded grains arsenopyrite, pyrrhotite & chalcopyrite in the quarts. Brown pyrrhotite in stringers in the schist.												

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD

HOLE NO. Van # 8

PROPERTY VANGORDA

SHEET NUMBER 5 | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE Ni			
234-239	3.5	Sericite schist. Shearing contorted 15% brown pyrrhotite in stringers & blebs. 4% galena with pyrrhotite from 234.4 to 234.6												
239-241	1.8	Dark sericite schist with one 3" quartz vein at 240.0. 15% replaced by pyrrhotite, 1% to 2% chalcopyrite.	✓											
241-251	10.0	Dark altered sericite schist. Shearing generally contorted but	4393 ×	241-246.0				0.15			Nil			
		some at 50° to core. 20% replaced by brown pyrrhotite in stringers & blebs.	✓ 4394 ×	246.0-251.0				0.20			Nil			
		1% to 2% chalcopyrite. Two small splashes sphalerite.												
251-261	10.0	Sericite schist partially altered to talc. 15% replaced by brown pyrrhotite												
		in massive stringers and blebs. Arsenopyrite in rounded grains at												
		252.0. Galena in talc at 255.0. Section 258.0 to 261.0. altered to												
		talc and contains 2% to 3% combined galena & sphalerite throughout.												
261-269	3.3	Talc sericite schist with some pyrite and pyrrhotite. Sphalerite and massive												
		pyrite in broken core at the end of the section.	✓				11.0							
269-278	6.5	Interbedded black schist & quartzite. The same as ore sections in hole Van. #5. Bedding extremely contorted and brecciated. 10% to 15% replaced by pyrite & pyrrhotite with 1% to 2% chalcopyrite and minor amounts of sphalerite. No recognizable	4395 ✓ 4396 ✓	268-273 273-278			0.32 0.08 2.7	0.20 0.18	0.53 0.72	0.58 1.18				

DRILLED BY ____

SIGNED ____

× to be assayed for Ni Cu

DIAMOND DRILL RECORD, HOLE NO. Van # 8

PROPERTY VANGORDA

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE
278-285	7.3	278.0-280.8 Schist & quarts highly contorted and 10% replaced by pyrite. A few scattered grains chalcopyrite & sphalerite.	4397 ✓	278.0-280.8		2.8	0.32 / 11.0	0.23	0.53	0.20	
		280.8-285.0 Quarts and white carbonate 75% replaced by brassy pyrite. 1% to 2% combined galena & sphalerite. Some chalcopyrite. Remnants of talc schist in the section.	4398 ✓	280.8-285.4		4.6	0.92 / 31.5	0.25	1.27	0.98	
285-295	5.3	285.0-285.4 Same as section 280.4-285.0 above.									
		285.4-295.0 Graphitic schist and quartz in thin beds. Quartz partially replaced by pyrite and some sphalerite	4399 ✓ 4400 ✓	285.4-290.0 290.0-295.0							
295-297	1.5	Black graphitic sericite schist with white quartz veins.									
297-304	3.9	First half of section well sheared talc sericite schist - last half graphitic schist. Shearing at 30° to core. Sparsely mineralized with pyrite.									
304-312	6.1	Black graphitic schist changing to interbedded schist and quartz from 307.0 to 310.0. Quartz partially replaced by brassy pyrite and pyrrhotite. A few grains of sphalerite in one section.									

DRILLED BY ____ SIGNED ____

4399/4400 held back

DIAMOND DRILL RECORD,

HOLE NO. Van # 8

PROPERTY VANGORDA

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Core Recovery	FORMATION	Core SAMPLE NO.	Footage FROM	Sludge Footage TO Sample	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
312-313	0.7	Schist and quartz interbedded or silicified schist. Pyrite in the quartz.												
313-318	4.0	Interbedded black schist & quartz. 15% replaced by pyrite. A few scattered grains of sphalerite. Bedding 30° to core. Last 3" of section are massive pyrite.												
318-320	1.7	Black schist 80% replaced by massive pyrite & quartz. Less than 1% sphalerite.	4451 ✓	317.7-322.0	4.3		0.60 20.6	0.23	0.77	1.77				
320-322	1.8	Massive pyrite with 15% unreplaced black schist. 3% to 4% combined galena & sphalerite in streaks.												
322-332	10.0	322.0-323.9 Massive pyrite with 2% to 3% combined galena & sphalerite	4452 /	322.0-323.9			25.8 0.84	0.20	1.52	2.85				
		323.9-325.0 Schist altered to sericite & talc. 15% pyrite, 3% to 4% sphalerite.	4453 ✓	323.9-326.0			0.18 1.2	0.18	0.36	0.98				
		325.0-326.0 Black graphitic schist 15% replaced by pyrite. 4% sphalerite												
		326.0-331.0 Black graphitic schist. Shearing regular at 45° to the core. Some pyrite in stringers.												
		331.0-332.0 Massive pyrite with 20% quartz. Less than 1% combined galena & sphalerite.												

DRILLED BY ____ SIGNED ____

Vacuum Flasks

DIAMOND DRILL RECORD, HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED Nov. 4, 1953

LATITUDE 28,341.85 | DATUM 4000 | COMPLETED Nov. 15, 1953

DEPARTURE 31,453.01 | BEARING 44° 09' AZ. | ULTIMATE DEPTH 401'

ELEVATION 4,071.66 | DIP at collar: 49° 28'; at 401' 52° 00' | PROPOSED DEPTH Cross-section mineralization

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Au	Pb	Zn	SLUDGE SAMPLE			
0-21	Cas	Casing												
21-22	0.8	Fragments of qtz. and black schist												
22-25	1.1	As above												
25-28	0.3	Platey fragments of black schist												
28-37	0.6	As above												
37-47	0.5	Fragments of greyish-black schist												
47-52	2.1	Medium grey, platey sericite schist. Wavy schistosity at 60° to core.												
52-57	2.4	Fragments of dark grey sericite schist containing irregular white qtz. threads.												
57-62	0.8	Medium grey sericite schist. Schistosity at 80° to core.												
62-67	1.5	Fissile dark grey sericite schist grading to black graphite schist.												
67-69	2.0	Graphitic schist fragments												
69-71	1.0	As above changing sharply to pyrite mineralization at midpoint of run (70') 69-71: 40% fine pyrite in last half of run. 5 to 10% associated Pbs & Zns.	4471	69	71	2	42.6 1.36	0.10	2.65	8.75				
71-73	2.0	30% fine pyrite in greyish-white sericite schist. 3 to 5% fine Pbs & Zns in the pyrite.	4472	71	73	2	2.20 73.4	0.08	3.29	6.19				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag.	Cu	Pb	Zn	SLUDGE SAMPLE			
73-78	5.0	80% massive fine pyrite replacing sericite schist. Between 5 and 10% fine Pbs & Zns.	4473	73	78	5.0	76.1 2.22	0.15	3.96	6.19				
78-81	2.1	85% massive pyrite. 5 to 10% fine Pbs & Zns.	4474	78	81	3.0	76.8 2.24	0.20	5.94	4.82				
81-85	2.5	70-75% massive pyrite. About 5% fine Pbs & Zns	4475	81	85	4.0	1.96 67.2	0.18	3.41	7.08	3 5/16			
85-88	2.2	70% massive pyrite. A few threads of fine sphalerite and galena.	4476	85	88	3.0	0.96 32.9	0.33	1.32	2.06	9.4%			
88-93	4.0	70 to 80% massive pyrite. Less than 10% Pbs & Zns.	4477	88	93	5.0	1.54 52.8	0.28	1.57	2.36				
93-94	0.9	As above	4478	93	94	1.0	0.76 26.0	0.25	0.77	1.67				
94-97	1.7	Sharp change at 94 to 20% pyrite,	4479	94	97	3	2.14 73.4	0.15	4.66	9.44				
		30% Zns and 5% Pbs. Gongue consists of graphitic schist mottled with												
		greyish-white chalky alteration (not carbonate)												
97-100.5	2.6	Same mineralization as above	4480	97	100.5	3.5	1.50 51.4	0.18	2.70	5.80				
100.5-104	3.0	Same as above: slightly less white	4481	100.5	104	3.5	2.48 85.0	0.18	4.73	12.68				
		chalky mottling. Schist less graphitic - dark grey colour, contorted.												
104-111	2.9	Greenish-grey sericite schist												
		Graphitic (0!5) at 105.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
111-115	2.4	Pale grey sericite schist containing												
		irregular streaks of pale green material. Schistosity contorted.					5.5							
		114-115 0!4 massive pyrite fragments from 114.6 to 115.	4482	114	115	1	0.16	0.18	0.17	0.69				
115-120	1.2	0!4 containing 30% pyrite in sericite schist. Sparse sphalerite	4483	115	120	5	-	0.15	-	-				
120-125	1.5	Greenish-grey sericite schist containing about 30% white Qtz. replacement.												
125-128	1.1	Fragments of greenish-grey sericite schist.												
128-131	1.3	Medium grey sericite schist containing a about 30% vuggy qtz. replacement												
131-134	1.4	As above. About 20% white qtz. fragments.												
134-136	1.1	As above, grading to light grey sericite schist at 136.												
136-140	3.3	Sharp contact at 136, to 25% pyrite and 25% Pbs and about 5% fine Zns.	4484	136	140	4	52.8 1.54	0.18	2.98	7.27				
140-144	3.6	50% py, 40% Pbs & Zns. (latter in minority) Massive appearance	4485	140	144	4	83.6 2.44	0.10	3.52	8.75				
144-147	2.9	80% massive pyrite, about 5% Pbs, sparse Zns. Gangue - threads of qtz. (bluish)	4486	144	147	3	2.48	0.28	6.82	4.03				
							85.0							

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD, HOLE NO. 9,

PROPERTY Vangorda

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
147-155	6.3	Massive pyrite as above, estimate of about 3 to 5% Pbs possibly low due to its fine association with the pyrite.												
		Gangue- fine qtz. threads.					30.8							
		147-151 Described above	4487	147	151	4	0.90	0.28	1.66	2.16				
		151-155 " "	4488	151	155	4	41.8 1.22	0.23	1.90	2.26				
155-156	1.0	Massive pyrite as in previous section	4489	155	156	1	67 0.78	0.35	0.64	1.28				
		Terminates sharply at 156.												
156-162	3.2	Light grey sercite schist. 10% white qtz. Shearing platey and contorted. Less than 1% pyrite threads.												
162-166	2.6	As above, with 30% white qtz. replacement. Two small patches of pyrrhotite are surrounded by pyrite, suggestive of a sequence in introduction.												
166-170	2.9	Light grey sericite schist grading to medium grey at 169. Shearing at 80° to core- wavy and fissile. A few threads of pyrrhotite following the shearing - less than 5%.												
170-174	3.0	As above.												
174-179	3.0	Medium grey sericite schist changing to graphitic schist at 178. 10% pyrrhotite and pyrite containing 3 to 5% fine Pbs and Zns.	4490 ×	174	179	5								

DRILLED BY Boyles Bros. Ltd.

× not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD, HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE
179-183	2.4	Medium grey sericite schist replaced by 50% pyrrhotite and several rice-sized patches of chalco pyrite. Shearing contorted.	4491 X	179	183	4					
183-189	4.4	Medium grey sericite schist streaked with graphitic schist. Wavy fissile shearing at 50° to core.									
189-192	2.0	As above. Several threads of pyrrhotite following the shearing - less than 1%.									
192-196	2.0	Medium grey (pearly lustre) sericite schist. Fissile shearing at 60° to core. 10% white qtz.									
196-204	5.4	Medium grey sericite schist containing streaks of graphitic material parellel to shearing at 60° to core. A few specks of pyrrhotite at 203.									
204-208	1.8	As above. Sparse pyrrhotite.									
208-218	8.0	Dark grey sericite schist and graphitic schist (interbanded) at 70° to core. Knotted in part. Sparse pyrrhotite.									
218-223	5.0	60% pyrite and 15% combined and finely associated Pbs and Zns. Several irregular small patches of chalcopyrite edged by and penetrated by pyrrhotite.	4492	218	223	5	32.9 0.96	0.25	1.68	3.15	
223-227	3.2	As above. the gangue consists of bluish-grey quarts introduction.	4493	223	227	4	30.2 0.88	0.25	2.15	3.24	

DRILLED BY Boyles Bros. Ltd.

X not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 6 | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag.	Cu	Pb	Zn	SLUDGE SAMPLE			
227-233	6	Same mineralization as above.					56.2							
		227-230 Mineral as described above.	4494	227	230	3	1.64	0.25	1.30	1.87				
		230-233	4495	230	233	3	0.36	0.28	0.22	0.10				
233-245	11.8	Graphitic schist with about 30% greyish-white cherty qtz. in nodular					123							
		patterns in the shearing. Bluish cast to qtz- when wet. Shearing at 45°,												
		but contorted in part.												
		233-239 Between 10 and 20% fine	4496 X	233	239	6								
		pyrite. No Pbs or Zns noted.												
		239-245 About 5% fine pyrite in	4497 X	239	245	6								
		graphitic schist described above.												
245-251	5.6	Graphitic schist containing greyish-												
		white quartz mottling in irregular												
		rice-size patches; the quartz has a												
		bluish cast when wet. Shearing at												
		55° to core. Sparse pyrite from 245												
		to 249.												
		249 to 251 - 10 to 15% fine pyrite.	4498 X	249	251	2								
		A few small threads of pyrrhotite												
		and chalcopyrite.												
251-254	3.0	Graphitic schist 0.'2 of 10% pyrite at 251.2												
254-260	5.0	Graphitic schist containing 2 to 3% fine pyrite. Shearing at 70° to core.												
260-266	6.0	Graphitic schist as above. 2 to 3% fine pyrite; sparse pyrrhotite.												
		Partially silicified.												

DRILLED BY Boyles Bros. Ltd.

X not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 7 | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
266-272	6.0	As above with 3 to 5% fine pyrite in the shearing.												
		266-269	4499 ×	266	269	3								
		269-272	4500 ×	269	272	3								
272-277	5.0	Graphitic schist with 5 to 10% pyrite Qtz. present in the shear planes.	4501 ×	272	277	5								
277-282	5.0	Graphitic schist containing 20%	4502 ×	277	282	5								
		pyrite. 30% qtz. with the pyrite. Shearing at 50° to core; local contor-												
		tions indicative of drag folding. No visible Pbs or Zns.												
282-285	2.6	As above. 20-25% pyrite.	4503 ×	282	285	3								
285-295	9.0	As above- sharply contorted shearing suggestive of small drag-folds.												
		285-290- 40% pyrite, 30% associated	4504	285	290	5	4.8 0.14	0.28	0.14	0.20				
		qtz., balance schist.												
		290-295 25% pyrite, 20% qtz., balance schist.	4505	290	295	5	0.90	0.20	0.14	0.10				
295-305	10.0	Graphitic schist changing gradually					50.8							
		to medium grey sericite schist at 302.												
		295-300: 10% fine pyrite. Shearing knotted and contorted.	4506 ×	295	300	5								
		300-305: 10-15% pyrite and some pyrrhotite.	4507 ×	300	305	5								

DRILLED BY Boyles Bros. Ltd.

×/not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD.

HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
305-311	6.0	Medium grey sericite schist inter-												
		banded with minor graphitic schist. About 50% irregular white quartz												
		replacement. A few threads of pyrrhotite.												
311-341	22.5	Light grey to medium grey sericite schist. Shearing at 60° to core but												
		contorted in part. A few irregular small patches of pyrrhotite totalling												
		2 to 3%. The schist has a talcy feel, over the normal sericite smoothness.												
341-350	8.0	Graphitic schist containing 30% inter-												
		banded silica replacement. (greyish- white)												
		341-344: 20% pyrite, some pyrrhotite.	4508 X	341	344	3								
		344-347: 30% pyrite, 5% pyrrhotite.	4509 X	344	347	3								
350-352	1.9	70% massive pyrite; gangue greyish-	4510 X	350	352	2								
		white qtz. which has a bluish cast when wet. Remnants of graphitic schist												
		present 50° to core.												
352-355	3.0	50% pyrite, 10% pyrrhotite. Gangue-	4511 X	352	355	3								
		greyish-white silification.												
355-360	5.0	Graphitic schist. About 30% greyish-												
		white silicification in the shear planes. 5% scattered pyrite grains.												
360-369	6.5	Graphitic schist with 40% silicifi-												
		cation. Shearing 80° to core.												

DRILLED BY Boyles Bros. Ltd.

X not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 9 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
	Recovery												
	360-364: 20% pyrite. A little pyrrhotite and chalcopyrite.	4512 X	360	364	4								
369-376	2.5 Graphitic schist. Core badly broken. Fragments of white quartz at 369.3												
376-378	1.3 Graphitic schist. 10% pyrite.	4513 X	376	378	2			0.62	1.27				
378-381	2.7 As above, 10-15% pyrite.	4514 X	378	381	3			2.14	1.27				
381-383	2.0 As above, 10% pyrite, 10% pyrrhotite sparse chalcopyrite.	4515 X	381	383	2			1.16	1.87				
383-385	2.0 30% pyrite, 5% Fbs. sparse pyrrhotite and chalcopyrite. Silicified matrix, has a reddish (granitic) cast.	4516	383	385	2	1.12 38.4		3.30	5.11				
385-389	4.3 Graphitic schist. 20% pyrite, sparse chalcopyrite. Shearing at 45° at core.	4517 X	385	389.3	4.3			0.87	1.38				
389.3-401	1.4 Greyish-white sericite schist replaced by 30 to 40% white qtz. No sulphide present. This rock is highly fractured and caved badly in the hole. Clay odour when wet.												
	END OF HOLE AT 401												
	RECOVERY: 66%.												

DRILLED BY Boyles Bros. Ltd.

not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD, HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 3, Sludges SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	CORE SAMPLE FROM	CORE SAMPLE TO	CORE SAMPLE WIDTH	SLUDGE SAMPLE
250-255	Brownish-black; sparse pyrite.	4570	250	255	5	
255-260	As above; sparse pyrite.					
260-265	As above; no visible sulphide.					
265-270	As above; a few pyrite grains	4571	265	270	5	
270-275	Sparse pyrite grains	4572	270	275	5	
275-280	Brownish-black graphitic. Sparse pyrite.	4573	275	280	5	
280-285	As above.	4574	280	285	5	
285-290	As above; fine pyrite grains	4575	285	290	5	
290-295	As above.	4576	290	295	5	
295-300	Scattered pyrite grains.	4577	295	300	5	
300-305	No visible sulphide- in graph. schist.					
305-310	Brownish-grey. No evidence of sulphide					
310-315	As above.					
315-320	As above; sparse pyrite grains.					
320-325	Medium grey; fine sericite flakes					
325-330	As above; brownish cast.					
330-335	Same as above.					
335-340	Dark grey; no visible sulphide.					
340-345	Fine grains of pyrite.	4578	340	345	5	
345-350	Graphitic; considerable fine pyrite	4579	345	350	5	
350-355	High pyrite content in black graphitic composite.	4580	350	355	5	
355-360	As above.	4581	355	360	5	
360-365	Some fine pyrite grains	4582	360	365	5	
365-370	Dark grey, sparse pyrite					
370-375	Graphitic., Considerable fine pyrite	4583	370	375	5	
375-380	As above.	4584	375	380	5	

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda.

SHEET NUMBER 4, Sludges | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
380-385	As above. Heavy pyrite content	4585	380	385	5								
385-390	Graphitic schist as above- with some fine pyrite grains.	4586	385	390	5								
390-395	Light grey. Sent for assay because of low core recovery.	4587	390	395	5								
395-400	Same as above.	4588	395	400	5								

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. 9

PROPERTY Vangorda

SHEET NUMBER 2, Sludges | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
125-130	Aggregate of creamy grey sericite flakes.												
130-135	As above with some admixed sand.												
135-140	As above; no visible sulphide	4556	135	140	5								
140-145	Medium grey; pyrite grains present.	4557	140	145	5								
145-150	Dark brownish grey; numerous pyrite grains present.	4558	145	150	5								
150-155	As above.	4559	150	155	5								
155-160	Less pyrite evident.	4560	155	160	5								
160-165	Light brownish-grey. No visible sulphide.												
165-170	Cream-coloured sericite. No visible sulphide.												
170-175	As above.												
175-180	Brownish-grey aggregate. No visible sulphide.	4561	175	180	5								
180-185	Medium grey, sericitic.	4562	180	185	5								
185-190	Dark grey; minute flakes of sericite. No evidence of sulphide.												
190-195	As above.												
195-200	Medium grey; numerous sericite flakes.												
200-205	As above; no evidence of sulphide.												
205-210	Brownish cast; no evidence of sulphide.												
210-215	Dark grey flakey aggregate.												
215-220	Brown, flakey aggregate. No visible sulphide.	4563	215	220	5								
220-225	Brownish-black. Numerous pyrite grains	4564	220	225	5								
225-230	As above.	4565	225	230	5								
230-235	Considerable fine pyrite.	4566	230	235	5								
235-240	Minute grains of pyrite present	4567	235	240	5								
240-245	As above, in dark grey aggregate.	4568	240	245	5								
245-250	As above; fine pyrite grains.	4569	245	250	5								

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 9

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 1, Sludges | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	CORE SAMPLE SAMPLE NO.	FROM	TO	WIDTH	SLUDGE SAMPLE		Pb	Zn
21-25	Scattered fine schist flakes and ovbd. sand.								
25-30	No evidence of sulphide. As above.								
30-35	Aggregate of dark schist flakes.								
35-40	As above. Some sand. No sulphide.								
40-45	As above.								
45-50	Medium grey schist flakes. No sulphide.								
50-55	As above; some admixed sand.								
55-60	As above.								
60-65	Mixture of light to dark grey schist flakes. No sulphide.								
65-70	As above but with sparse pyrite in small grains.	4445	65	70	5				
70-75	Fine pyrite disseminated in dark grey composite.	4446	70	75	5			2.10	3.74
75-80	Heavy concentration of fine pyrite in dark grey composite.	4447	75	80	5			4.20	4.92
80-85	As above.	4448	80	85	5			1.13	1.77
85-90	As above.	4449	85	90	5			1.35	1.47
90-95	As above.	4450	90	95	5			1.96	2.65
95-100	As above.	4551	95	100	5			3.07	6.38
100-105	Same as above; higher sericite content.	4552	100	105	5			0.64	1.57
105-110	Sparse visible pyrite grains	4553	105	110	5				
110-115	Light grey sericite flakes; no visible sulphide grains.	4554	110	115	5				
115-120	Medium grey, sericitic flakes. No visible sulphide.	4555	115	120	5				
120-125	Sericite flakes and admixed sand								

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD. HOLE NO. 10

PROPERTY [redacted]

SHEET NUMBER 1 SECTION FROM [redacted] TO [redacted] STARTED Nov. 30, 1953

LATITUDE 29,781.61 -9077.5N DATUM 4000 COMPLETED Dec. 20, 1953

DEPARTURE 30,230.16 9214.15E BEARING Vertical hole ULTIMATE DEPTH 555

ELEVATION 4,015.17+259' 1302.76M DIP PROPOSED DEPTH To test mineralisation on Projected dip.

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Au	Pb	Zn	SLUDGE SAMPLE			
0-87		Casing (in overburden)												
87-118	0	Sludge only (see sludge record at end of log).												
118-120	1.5	60% pyrite, 10% Pbs and 10% Zns. Gangue - greyish white quartz (AX core)	4601	118	120	2	5.04		6.16	11.60				
120-121	0.7	Massive sulphide - 80% pyrite, 20% combined Pbs and Zns. (AX core)	4602	120	121	1	3.30		6.16	7.08				
121-132	0.2	Two fragments of grey sericite schist (AX core) No sulphide mineralisation.												
132-134	1.1	Fragments of medium grey sericite schist. No sulphides. (EX core from 132 on).												
134-139	1.3	Medium grey, platey sericite schist. Shearing at 80° to core.												
139-141	0	(See sludge record at end of log.)												
141-144	1.7	Medium grey sericite schist. A pea-sized patch of pyrrhotite at 143.5. Shearing contorted.												
144-149	1.0	Buttons of medium grey sericite schist. No sulphide.												
149-155	0	See sludge record.												
155-160	1.0	Light grey sericite schist fragments. One fragment of white quartz.												
160-165	1.1	Fragments of light grey sericite schist. Talcy feel on shear planes.												
165-170	1.2	As above. Shearing 80° core.												
170-171	0	See sludge record.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Yangorda

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Hg	Cu	Pb	Zn	SLUDGE SAMPLE			
171-182	3.8	White quartz. No sulphide mineralisation.												
182-182.5	0.5	Medium grey sericite schist. Shearing 60° to core.												
182.5-184.3	1.8	White quartz. Vestiges of sericite schist.												
184.3-187	2.7	Massive sulphide consisting of 75% pyrite and 25% combined Pbs and Zns. (Former appears to be in greater amount.)	4603	184.3	187	2.7	H.30		10.53	10.33				
187-192	5.0	Massive sulphide consisting of an estimated 15% to 25% combined Pbs and Zns; balance fine pyrite.	4604	187	192	5	2.90		3.52	7.86				
192-196	4.0	As above; possibly a higher Pbs-Zns content.	4605	192	196	4	1.24		1.54	3.24				
196-201	5.0	As above. Spares quartz gangue in small threads and patches.	4606	196	201	5	3.00		7.70	6.39				
201-202.8	1.8	Massive pyrite, Pbs and Zns as in above sections.	4607	201	202.8	1.8	2.86		8.14	8.95				
202.8-223	8.6	Light grey talc sericite schist. Shearing contorted. Streaks of chloritic material.		202.8	223	20.2			0.0	0.0				
223-226	3.0	Massive sulphide; pyrite with about 15% combined Pbs and Zns. Some quartz gangue from 225.2 to 226.	4608	223	226	3	0.80		1.76	2.36				
226-231	4.2	60% pyrite, 25% combined Pbs and Zns. Balance greyish white silicification.	4609	226	231	5	0.84		1.76	3.05				

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vangorda

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
231-236	5.0	As in previous section; gangue slightly greater from 235 to 236.	4610	231	236	5	0.94		2.09	2.46				
236-241	4.4	50% pyrite, 20% combined Pbs and Zns. Balance siliceous gangue.	4611	236	241	5	0.36		0.44	0.49				
241-246	5.0.	40% Pbs from 241 to 243.5 Balance in ratio as in previous sample.	4612	241	246	5	2.06		4.62	4.33				
Please note:		The hole lost water at 245'. No sludges past this point. Casing tight and not able to advance it further.												
246-251	4.2	70% massive sulphide consisting of pyrite and 10 to 15% associated Pbs and Zns. Gangue - silicified sericite schist. 0'.1 pyrrhotite.	4613	246	251	5.0	1.24		2.75	3.05				
251-259	4.8 3.0)	Light grey sericite schist. Shearing at 40° to core. No sulphide present. 0'.1 pyrrhotite at 259.		251	259	8			0	0				
259-262		Massive sulphide containing estimated 15 to 20% combined Pbs and Zns, 70% pyrite and balance quartz gangue.	4614	259	262	3	1.12		2.42	3.05				
262-267	4.5	Massive sulphide as above. Possibly a slightly higher Pbs-Zns content.	4615	262	267	5	2.12		2.42	5.02				
267-270.1	1.5	Light grey sericite schist. Talcy, shearing contorted.		267	270.1	3.9	@		0	0.				
270.1-274	3.9	Massive pyrite containing about 20% Pbs & Zns in close association.	4616	270.1	274	3.9	2.70		4.84	6.60				

DRILLED BY ____ SIGNED ____

	W	A	A×W
184.3	2.7	20.86	56.42
	5	11.38	56.90
	4	4.78	19.12
	5	14.09	70.45
202.8	1.8	17.09	30.75
	18.5'		233.64 →
202.8-223	20.2	0.0	0.00
223	3	4.12	12.36
	5	4.81	24.05
	5	4.55	22.75
	5	.93	4.65
	5	8.95	44.75
251	5/28	3.80	24.00 =137.56 →
	9	0.00	0.00 X
259	3	5.47	16.41
267	5/8'	7.44	37.20 → 53.61 →
270.1	8	0.00	0.00 X
	47.1		139.42 →
	10.9		143.42
	36.2		44.77
	36		188.17
270.1	3.9	11.44	44.62
	4	9.69	38.76
	1.6	0.00	0.00 X
	4.4	7.78	34.23
	2	1.88	3.76
	5	4.76	23.80
	5	1.89	9.45
	5	2.33	11.65
	5	6.97	34.85
	5	8.09	40.45
	5	11.35	56.75
	5	7.64	38.20
	5	7.78	38.90
	5	7.15	35.75
	5	5.54	27.70
338.2	2.2	5.32	11.69
	68.1		450.56 ←
	1.6		
	66.5		

48.76 → 16.25 2/3'
118-121'

12.61 7/18.5'
184.3 → 202.8'

4.97/28'
223 → 251'

6.7/8'
259 → 267'

6.6/68.1'
270.1 → 338'

202.8
184.3
18.5'

270.1
223.0
47.1

45.76
1.14
44.62

338.2
270.1
68.1

48.76 — 3'
233.64 — 18.5'
137.56 — 28'
53.61 — 8'
450.56 — 68.1'
924.13 — 135.6'

6.81 1/2 PAZ
7.37%

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vangorda

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag		Pb	Zn	SLUDGE SAMPLE			
274-278	3.3	Massive sulphide as in previous section	4617	274	278	4	1.70		4.28	5.41				
278-279.6	1.6	Light grey sericite schist containing specks of chloritic material. Shearing contorted.		278	279.6	1.6			0	0				
279.6-284	4.4	Massive sulphide containing estimated 70% pyrite, 25% combined Pbs and Zns, balance gangue silica.	4618	279.6	284	4.4	1.50		3.85	3.93				
284-286	2.0	Massive pyrite. Sparse Pbs and Zns content indicated from visual examination.	4619	284	286	2	0.60		0.99	0.89				
286-291	5.0	70% pyrite, 20% combined Pbs and Zns, former in greater amount.	4620	286	291	5	0.94		3.08	1.68				
291-296	5.0	50% pyrite, 15% combined Pbs and Zns. Sparse pyrrhotite and chalco pyrite. Balance - white quartz.	4621	291	296	5	0.56		1.10	.79	✓			
296-301	5.0	As above. Pyrite more massive from 299 to 301. Pbs and Zns less prominent.	4622	296	301	5	0.61		1.54	.79				
301-306	5.0	Massive pyrite with an estimated 20% Pbs and Zns. About 10% siliceous gangue.	4623	301	306	5	1.40		3.63	~~3.45~~ 3.34				
306-311	5.0	As above but with increase of siliceous gangue and sericite schist remnant from 308.5 to 311. Trace of shearing at 40° to core.	4624	306	311	5	2.30		2.09	6.00				
311-316	5.0	Massive pyrite containing an estimated 20% Pbs and Zns. About 10% silica in the sulphide interstices.	4625	311	316	5	2.08		6.92	4.43				

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vangorda

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
316-321	5.0	Massive sulphide as in previous section grading to partially replaced silicified schist from 320 to 321. Fine speckles of Pbs throughout.	4626	316	321	5'	1.76		2.42	5.22				
321-326	5.0	50% pyrite, 15% combined Pbs and Zns. Balance- siliceous (grey) gangue.	4627	321	326	5	1.92		2.86	4.92				
326-331	5.0	As in previous section. Trace of replaced shearing at 50° to core.	4628	326	331	5	1.76		2.53	4.62				
331-336	4.5	At 336 there is a change from pyrite to pyrrhotite (massive) over a distance of about 0'.3. The pyrrhotite contains some pyrite patches, scattered threads of reddish-brown Zns and a little Pbs.	4629	331	336	5	1.40		2.20	3.34				
336-338.2	2.2	As above. Scattered threads of blinish grey quartscontaining Pbs and Zns.	4630	336	338.2	2.2	1.50		1.98	3.34				
338.2-341	2.0	Medium grey sericite schist. No sulphide. Shearing at 40° to core.												
341-345	3.5	Dark grey sericite schist containing graphitic laminations. Shearing at 50° to core. No sulphide.												
345-349	3.9	As above. 10% irregular quarts threads.												
349-354	4.8	Light greenish-grey sericite schist. About 3% pyrrhotite in irregular patches up to ½"; sparse chalcopyrite.												
354-358		As above, but more talcy. Sparse pyrrhotite. About 10% irregular white quarts patches.												

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vangorda

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
358-363	3.4	Medium grey sericite schist. Several small patches of pyrrhotite, less than 3%.												
363-368	4.0	Same as previous section. Shearing 60° to core.												
368-373	4.7	As above.												
373-380	6.5	As above. About 10% irregular white quartz replacement.												
380-384	4.0	The medium grey sericite schist has a greenish cast in part. Shearing at 60° to core.												
384-389	5.0	As above. Several 1/2" patches of pyrrhotite. Not worthy of assay.												
389-395	5.0	Light greenish grey sericite schist. A little pyrrhotite. Shearing at 60° to core.												
395-396	1.0	0'.7 of massive fine grained pyrite from 395.1 to 395.8. No visible Pbs or Zns.	4631 x	395	396	1								
396-399	3.0	Graphitic schist. Shearing at contorted angles to core.												
399-404	4.0	Same as previous section. 399-400: 0'.3 fine massive pyrite. No visible Pbs or Zns.	4632 x	399	400	1								
404-411	4.9	Interbanded graphitic and sericite schist. Some greyish-white silicification.												

DRILLED BY ____ x/ not sent for assay SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vanguards

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
411-419	5.6	Same as previous section. About 15% white quartz.												
419-428	5.2	Medium grey sericite schist. 40% white quartz. A little pyrrhotite - not worthy of assay.												
428-433	5.0	Medium grey sericite containing a little interbanded graphitic material. Shearing at 50° to core.												
433-441	7.0	Medium grey, finely banded sericite schist.												
441-473	20.0	Medium grey sericite schist as above. Shearing at 60°.												
473-474.5	1.5	About 30% pyrrhotite, 20% white quartz in medium grey sericite schist.	4633 X/	473	474.5	1.5								
474.5-489	11.5	Medium grey, fissile sericite schist. Shearing at 60° to core. Sparse pyrrhotite in threads. 15% white quartz patches.												
489-555	37.6	Medium grey sericite schist. Shearing at 80° to core. White quartz from 526.5 to 527 and from 535 to 536.6.												
		END OF HOLE AT 555												
		RECOVERY: 65%.												

DRILLED BY Boyles Bros. Ltd.

X/ not sent for assay

SIGNED R. M. Baker

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vanguards

SLUDGE RECORD

SHEET NUMBER 1 SLUDGES | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
87-92	No core recovered. Sludge is light grey sericite	4591	87	92	5								
92-97	No evidence of sulphide. As above.	4589	92	97	5								
97-102	Same as above two sections.	4590	97	102	5								
102-107	Light grey sericite flakes.	4592	102	107	5								
107-112	As above.	4593	107	112	5								
112-117	As above.	4594	112	117	5								
117-120	Sericite flakes as before.	4595	117	120	3								
120-122	Darker than previous sections.	4596	120	122	2								
122-124	As above.	4597	122	124	2								
124-126	Light grey sericite.	4598	124	126	2								
126-131	As above. No evidence of sulphide.	4599	126	131	5								
131-136	Medium grey sericite aggregate.	4600	131	136	5								
136-141	Light grey sericite. No evidence of sulphide.	4651	136	141	5								
141-146	As above.	4652	141	146	5								
146-151	Same type of sericite aggregate.	4653	146	151	5								
151-155	As above. Slight brownish cast.	4654	151	155	4								
155-160	Brownish tone. Possibly sand contamination.	4655	155	160	5								
160-165	Pale brown. Possibly oxidation during drying of sample.	4656	160	165	5								
165-170	Greyish brown. No evidence of sulphide.	4657	165	170	5								
170-175	Grey with brown speckles.	4658	170	175	5								
175-180	Pale grey. Some sericite flakes.	4659	175	180	5								
180-185	As above.	4660	180	185	5								
185-187	Core recovery good.												
187-189	Complete core recovery.												
189-191	As above.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. H. Baker

DIAMOND DRILL RECORD,

HOLE NO. 10

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
191-196	No core loss.												
196-201	No core loss.												
201-206	Water loss started here. A little sludge.	4661	201	206	5								
206-211	No water return.												
211-216	A little water return. Light grey sludge.	4662	211	216	5								
216-221	Water return poor. A little grey sludge.	4663	216	221	5								
221-224	As above.	4664	221	224	3								
224-226	Complete core return; very little sludge.												
226-230	As above.												
230-235	Complete core recovery; small amount of sludge.												
235-240	Good core recovery; very little sludge return.												
240-245	Complete core recovery; fair sludge return. Return water lost at												
245-250	Slight sludge return. Return water lost at 245. No further sludges from hole - good core												
	recovery in the mineralised sections from here on.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD, HOLE NO. 11

PROPERTY Vangorda

SHEET NUMBER 1 | SECTION FROM _____ TO _____ | STARTED Nov. 20, 1953.

LATITUDE 28,629.24 | DATUM 4000' | COMPLETED Nov. 26, 1953.

DEPARTURE 31,157.55 | BEARING 47° 11' ez. | ULTIMATE DEPTH 445'

ELEVATION 4043.25 | DIP 44° at collar; 50° at 445' | PROPOSED DEPTH to cross-section mineralization

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	BLUDGE SAMPLE			
0-23	7m	Casing (overburden)												
23-40	1.5	White quartz fragments.												
40-55	2.0	Mixed fragments of white quartz and dark grey sericite schist. (Possibly graphitic interbands).												
55-70.5	3.5	80% white quartz containing vestiges of dark grey schist.		(4EC)?										
70.5-87.5	8.4	Massive pyrite with some fine Pbs and Zns which shows an increase toward the end of the section at 87.5.									rev used			
		70.5-75: Mineralization described above.	4518	70.5	75	4.5	24.7 0.72	0.15	0.88	0.79	1.5			
		75-79: Mineralization as described ~~on previous page.~~ above	4519	75	79	4	42.5 1.24	0.23	1.10	0.98	2.0			
		79-84: As above. Pbs and Zns begins to show an increment in this section.	4520	79	84	5	220.1 6.42	0.18	3.41	6.39	2.5			
		84-87.5: Mineralization as above. This section shows greatest Pbs- Zns content of above four samples-possibly 20% combined.	4521	84	87.5	3.5	53.5 1.56	0.35	2.75	4.72	2.4			
											8.4			
87.5-91	1.0	Graphitic schist containing 40% greyish-white silicification and 20% Zns. A little Pbs visible.	4522	87.5	91	3.5	34.3 1.00	0.25	3.30	9.34				
91-101	5.0	Greyish-white quartz containing remnants of graphitic schist. Some sericite in close association with the quartz.				10'								

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 11

PROPERTY Vangorda

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
91-101	5.0	Greyish -white quarts containing remnants of graphitic schist. Some sericite in close association with the quarts.												
101-106	3.5	Massive pyrite containing some finely associated Pbs and Zns. Amount difficult to estimate.	4523	101	106	5	74.0 2.16	0.13	1.93	7.86				
106-111	4.7	Same as above.	4524	106	111	5	64.4 1.88	0.20	4.39	8.35				
111-115	4.0	Same as above. The fine Pbs occurs in streaks through the pyrite.	4525	111	115	4	37.7 1.10	0.23	3.62	5.70				
115-120	5.0	About 30% greyish-white siliceous gangue. Balance, pyrite with al little visible Pbs. No Zns noted, although it may be closely associated with Pbs.	4526	115	120	5	20.6 0.60	0.20	0.77	1.67				
120-124	4.0	As above, but with 10% siliceous gangue.	4527	120	124	4	6.9 0.20	0.45	1.55	1.77				
124-130	6.0	Greyish-white sericite schist containing about 5% pyrrhotite. Shearing at 55° to 70° to core.												
130-157	22.2	As above. Shearing at 70° to core. Pyrrhotite content not worthy of assay.												
157-177	15.5	Medium grey sericite schist. Some irregular white quarts replacement. Shearing at 70° to core.												
177-179	2.0	As above. About 10% pyrrhotite in irregular patches.	4528	177	179	2	5.1 0.15	0.10	0.14	0.20				

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. 11

PROPERTY Vangorda

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
179-184	5.0	Medium greenish-grey sericite schist. About 20% bluish-white quartz replacement. A little pyrrhotite. Shearing at 60° to core.												
184-191.8	7.8	Medium greenish-grey sericite schist as above.												
191.8-195	3.0	Medium greenish-grey sericite schist as in previous section, with 10% fine pyrite and 5 to 10% Pbs.	4529 ×	191.8	195	3.2								
195-274	64.2	Same type of schist as above. Greenish cast due to chlorite. Shearing at 55° to core. About 20% white quartz stringers and 20% greyish-white silicification. Sparse pyrite and pyrrhotite.												
274-311	23.0	Medium grey sericite schist. Shearing at 70° to core. Scattered threads of pyrite and pyrrhotite-about 5%.												
311-315.4	4.4	70% fine pyrite. Some pyrrhotite in the siliceous gangue. About 10% fine Pbs. in streaks across the pyrite. No Zns noted.	4530 ×	311	315.4	4.4								
315.4-318	2.5	Graphitic schist with 50% rice-sized silica patches in the shearing(light grey) 20% fine pyrite.	4531 ×	315.4	318	2.6								
318-323	5.0	Medium grey sericite schist. Shearing at 70° to core. Highly silicified.												

× not suit for assay

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD.

HOLE NO. 11

PROPERTY Vangorda

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
		318-321: 20% pyrite and pyrrhotite. Some fine galena present.	4532 X	318	321	3.0								
323-333	8.4	Graphitic schist laminated with light grey sections which may be the result of silicification or original quartzitic interbanding.												
333-356	13.5	Same as above with slightly higher graphitic schist content.												
		334.6-335.6: 40% pyrrhotite. Sparse chalcopyrite.	4533 X	334.6	335.6	1.0								
356-361	3.1	Graphitic schist highly silicified with only vestiges of graphic sections remaining. 20% fine pyrite; some Pbs present.	4534 X	356	361	5.0								
361-366	4.4	Greyish-white charty silicification containing 30% pyrite and a little Pbs. Streaks of graphitic schist at 365.5	4535 X	361	366	5.0								
366-369	2.1	Graphitic schist with 40% greyish-white silica interbanding. 10 % pyrite.	4536 X	366	369	3								
369-374	5.0	Graphitic schist with about 20% greyish white silica laminations. 10% white quartz threads. 10% pyrite; sparse visible Pbs.	4537 X	369	374	5								
374-395.2	14.2	Graphitic schist as above. Shearing at 50° to core.												
		374-379: 15% fine pyrite, sparse Pbs noted.	4538 X	374	379	5								

DRILLED BY ____

X / Not sent for assay

SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 22

PROPERTY Tungsten

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag.	Cu	Pb	Zn	SLUDGE SAMPLE			
		379-384: Same mineralisation as previous section.	4539 X	379	384	5								
		384-389: About 20% fine pyrite with a little pyrrhotite. Sparse Zns visible.	4540 X	384	389	5								
		389-395.2:15% pyrrhotite with threads of chalcopyrite. About 5% pyrite. Occasional thread of Zns visible.	4541 X	389	395.2	6.2								
395.2-429	30.4	Light grey to medium grey sericite schist. Shearing at 50° to core. Some irregular sections of chlorite associated with white quartz.												
		418-421: About 15% irregular pyrrhotite threads. A little chalcopyrite and Zns visible. In the balance of the section from 395.2 to 429 there is a little pyrrhotite, less than 5%.	4542 X	418	421	3								
429-434.2	3.8	White quartz. About 20% chlorite patches. For Au only.	4543 X	429	434.2	5.2								
434.2-436	1.1	Medium greenish-grey sericite schist.												
436-445	5.0	Medium grey sericite schist containing about 10% irregular white quartz patches. Shearing at 55° to core.												
		END OF HOLE AT 445.												
		RECOVERY: 66%.												

X: Core split for assay

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 11

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 1 - SLUDGES | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
											Pb	Zn	
65-70	A few pyrite grains visible in a greyish-brown aggregate.	4665	65	70	5						0.15	0.54	
70-75	Numerous fine pyrite grains.	4666	70	75	5						0.81	1.57	
75-80	As above.	4667	75	80	5						0.50	1.47	
80-85	Pyrite grains in brownish-grey aggregate. Some galena recognizable.	4668	80	85	5						0.95	3.84	
85-90	Considerable pyrite in brownish-black aggregate.	4669	85	90	5						1.20	3.14	
90-95	Light brownish grey. Some pyrite grains visible	4670	90	95	5						0.37	0.93	
315-320	Black, graphitic sludge containing fine grains of pyrite.	4671 X	315	320	5								
355-360	Dark grey, to medium grey. Scattered pyrite grains.	4672 X	355	360	5								

Boyles Bros. Ltd.
DRILLED BY

X not sent for assay

R. W. Baker.
SIGNED

DIAMOND DRILL RECORD,

HOLE NO. 12

PROPERTY Vangorda

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED Nov. 27, 1953.

LATITUDE 28,627.20 | DATUM 4000' | COMPLETED Nov. 28, 1953.

DEPARTURE 31,155.35 | BEARING 47° 11' az. | ULTIMATE DEPTH 162'

ELEVATION 4043.3 | DIP 68° at collar. | PROPOSED DEPTH To establish dip of mineralization.

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
0-23		Casing (over burden)												
23-66.7	17.6	Light grey sericite schist containing about 15% irregular white quartz patches. 3 to 5% fine pyrite with a little Pbs and Zns, insufficient for assay.												
66.7-71.7	3.7	Light grey sericite schist with 10% pyrite. Some Pbs and Zns with the pyrite.	4544	66.7	71.7	5			1.06	9.14				
71.7-74.2	1.2	Greyish-white sericite schist. Shearing contorted.		71.7	74.2	2.5			-					
74.2-76	1.8	Massive fine pyrite containing 15% Pbs and 5% Zns. A little siliceous gangue.	4545	74.2	76	1.8			1.98	6.68				
76-81	4.2	As above with an estimated 20% combined Pbs and Zns.	4546	76	81	5			2.86	6.28				
81-83.6	2.6	Same as previous section. Relict shearing at 80° to core - laminated with sulphide.	4547	81	83.6	2.6			2.20	2.84				
83.6-91.7	2.3 G	Graphitic schist with 20% greyish-white silicification. Sparse pyrite.												
91.7-96	3.1	Massive pyrite with considerable fine galena - grey colour to core. Some fine siliceous gangue, about 10%. Estimated Pbs - Zns about 25%.	4548	91.7	96	4.3			3.95	10.50				
96-100	4.0	Same as previous section. Fine siliceous gangue in the interstices of the sulphide.	4549	96	100	4			2.86	6.77				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 12

PROPERTY Vangorda

SHEET NUMBER 2 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
100-105	5.0	Same as previous section, but with some pyrrhotite present in irregular patches. About 15% siliceous gangue.	4550	100	105	5		~~2.20~~	2.20	3.04				
105-108.2	3.2	Pyrite with sections of massive pyrrhotite. About 10% closely associated Pbs and Zns. Siliceous gangue at irregular intervals.	4701	105	108.2	3.2			1.24	1.38				
108.2-162	26.2	Light grey to medium greenish-grey sericite schist, grading to the latter at about 123. Shearing at 70° to core. Sparse pyrite and pyrrhotite. 10% white quartz.												
		END OF HOLE AT 162.												
		RECOVERY: 68%.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker.

DIAMOND DRILL RECORD

HOLE NO. 13

PROPERTY Vangorda

SHEET NUMBER 1 | SECTION FROM 0 TO 120 | STARTED Nov. 27, 1953

LATITUDE 29,807.70 9085.39 | DATUM 4000 | COMPLETED Dec. 3, 1953

DEPARTURE 30,003.57 9145.09 | BEARING | ULTIMATE DEPTH 385

ELEVATION 3986.18 1293.93 | DIP Vertical | PROPOSED DEPTH To test mineralization on indicated strike.

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE		Pb	Zn	SLUDGE SAMPLE			
0-69	21	Casing (over burden)												
69-85	0	Sludge only: (See sludge record at end of log).												
85-92	5.0	Massive sulphide consisting of 60% Pyrite, 30% combined Pbs and Zns and balance gangue.												
		85-87: As described.	4634	85	87	2			4.06	4.42				
		87-92: As described.	4635	87	92	5								
92-101	0.4	Medium grey sericite schist fragments.												
101-120	1.1	Medium to light grey sericite schist (buttons) Shearing 80° to core.												
120-125	0	Lost water temporarily in this section.												
125-127	1.5	White sericite schist containing 30% pyrite and 15% Pbs and Zns. Shearing at 80° to core.	4636	125	127	2			.69	2.26				
127-131	1.2	Interbanded graphitic and sericite schist. Fragments only.												
131-135	1.1	As above. Shearing at 80° to core.												
135-146	8.1	Light grey, fissile talc sericite schist.												
146-151	1.2	Graphitic schist fragments												
151-155	3.2	Greyish-white sericite schist. Shearing at 80° to core. Two small patches of pyrite, not worthy of assay.												
155-159	3.3	Sericite schist as above.												
		156.2 to 157.6: Massive sulphide and quartz fragments. Pbs and Zns present in the pyrite.	4637 x	156.2	157.6	1.4								

DRILLED BY Boyles Bros. Ltd.

x/not sent for assay

SIGNED R. W. Baker

DIAMOND DRILL RECORD, HOLE NO. 13

PROPERTY Vangorda

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
159-165.4	5.8	Greyish-white sericite schist. 10% white quartz. Shearing at 80°-90° to core.												
165.4-169.5	2.7	Massive Pyrite with an estimated 10% Pbs and Zns combined.	4638	165.4	169.5	4.1			1.87	3.71				
169.5-171	1.5	As above but with a higher Pbs and Zns content indicated, from grey streaks paralleling relict shearing. Change from Ax to Ex core at 171.	4639	169.5	171	1.5			2.02	3.24				
171-175	2.0	As above with an increase of white quartz toward end of section	4640	171	175	4			1.41	2.06				
175-180	3.2	40% irregular pyrite replacing grey sericite schist. Pbs and Zns visible in the pyrite.	4641	175	180	5			0.99	2.16				
180-186	2.6	80% pyrite and pyrrhotite mottled with remnants of sericite schist and grey siliceous gangue. Pbs and Zns visible in the pyrite	4642	180	186	6			2.02	1.86				
186-191	2.5	Medium grey sericite schist containing streaks of chlorite. Shearing at 60° to core.												
191-196	0.7	Light grey sericite schist. 20% white quartz.												
196-201	1.7	Graphitic schist. Shearing contorted. About 15% pyrite and pyrrhotite, and about 10% combined Pbs and Zns.	4643	196	201	5			0.75	1.77				
201-206	1.3	Graphitic schist. Shearing contorted. One ½" patch of pyrite; not worthy of assay.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 13

PROPERTY Vangorda

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				BLUDGE SAMPLE			
									Pb	Zn				
206-211	0.7	Interbanded graphitic and medium grey sericite schist.												
211-224.3	2.7	Graphitic schist.												
224.3-229	4.7	Graphitic schist. Scattered threads of pyrrhotite. A little chalcopyrite, pyrite; sparse Pbs and Zns.	4644	224.3	229	4.7			0.33	0.39				
229-238	7.1	Graphitic schist containing irregular patches of pyrrhotite. Sparse pyrite, chalcopyrite, Pbs and Zns. Not worthy of assay. Shearing at 30° to core.												
238-244.2	4.2	Graphitic schist. 10 to 15% pyrrhotite sparse chalcopyrite, Shearing at 50° to core.												
244.2-247	2.8	Graphitic schist gradational to greyish-white siliceous rock at 247; appears to be silicification accompanying about 30% pyrrhotite and a little chalcopyrite.	4645	244.2	247	2.8								
247-252	3.1	As above but with about 5% pyrrhotite.												
252-299	39.0	Medium greenish-grey sericite schist. [redacted] Shearing at 60° to 80° to core. A 0.15 section of pyrrhotite at 287.5, and A 0.1 section of pyrrhotite at 293.6 with some Pbs; insufficient for assay.												

? not recovered.

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. 13

PROPERTY Vangorda

SHEET NUMBER 4 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
	Recovery												
333-369.6	19.6 Medium grey to dark grey sericite schist. Sparse pyrrhotite at 364.												
369.6-385	5.2 Graphitic schist. Shearing contorted; average 30° to core.												
	END OF HOLE AT 385.												
	CORE RECOVERY; 50%.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 13

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 1 SLUDGES | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
70-75	Light grey sericite sludge. No evidence of sulphide.												
75-80	As above.												
80-85	As above; no evidence of sulphide.												
85-87	Brownish-grey; some grains of pyrite visible.	4673	85	87	2								
87-89	Greyish-black; fine sulphide grains.	4674	87	89	2								
89-91	Sparse visible sulphide.	4675	89	91	2								
91-93	Heavy concentration of pyrite, Zns and Pbs grains.	4676	91	93	2								
93-95	Strong sulphide concentration as above.	4677	93	95	2								
95-100	Sericite flakes; no visible sulphide.												
100-123	Sludges are pale grey and consist chiefly of sericite flakes and silica grains. No visible sulphide.												
123-125	Brownish-grey; sparse pyrite.	4678	123	125	2								
125-129	No evidence of sulphide in sludge.												
129-131	Black and grey grains admixed. Sparse pyrite.	4679	129	131	2								
131-165	No evidence of sulphide; sludges not worthy of assay.												
165-170	Some fine sulphide grains.	4680	165	170	5								
170-175	Fine sulphide; pyrrhotite picked up by magnet.	4681	170	175	5								
175-178	Sulphide grains in dark grey sludge	4682	175	178	3								
178-180	Light grey; sulphide grains present.	4683	178	180	2								
180-182	Mineralized section of low core recovery.	4684	180	182	2								
182-184	As above.	4685	[illegible]	184	2								
184-186	As above.	4686	184	186	2								
186-196	No evidence of sulphide.												

DRILLED BY ____

SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 13

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 2 SLUDGES | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
196-201	Some fine sulphide grains.	4687	196	201	5								
201-226	Core recovery good in mineralised portions; sludges also good.												
226-246	Core recovery good.												
	WATER RETURN LOST AT 246.												
	Nof further sludges.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 14

PROPERTY Vangorda

SHEET NUMBER 1 | SECTION FROM 0 TO 65 | STARTED Nov. 30, 1953

LATITUDE 28,493.66 | DATUM 4000 | COMPLETED Dec. 6, 1953

DEPARTURE 31,009.11 | BEARING 48° 20' azimuth | ULTIMATE DEPTH 372

ELEVATION 4043.91 | DIP 43° 57' at collar; 48° 30' at 350'. | PROPOSED DEPTH To cross-section mineralisation.

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE
0-8 (24)	0	Casing (overburden)									
8-30	0.2	Two fragments of brown, oxidized schist. Porous; clay odour.									
30-46	0.1	One fragment of graphitic schist.									
46-51	0.1	One fragment of dark grey silicified schist. Sparse pyrite.									
51-57	0.8	Fragments of graphitic schist, silicified in part.									
57-62	1.1	Graphitic schist fragments.									
62-65	1.5	Silicified graphitic schist fragments. Massive pyrite fragments from 64.5 to 65. Pbs and Zns present in the pyrite.	4702	62	65	3			1.69	4.23	
65-70	1.6	Graphitic schist. One 0'.1 patch of pyrite at 65.1. Pbs and Zns present in the pyrite; not worthy of assay.									
70-73	1.8	Graphitic schist fragments. Shearing at 40° to core. Massive pyrite fragments containing Pbs and Zns from 72.6 to 73.	4703	70	73	3			1.77	4.33	
73-77	3.9	Massive pyrite from 73 to 75.3; estimated 30% Pbs and Zns. Balance of section grey sericite schist.	4704	73	75.3	2.3			3.55	7.27	
77-82	2.9	Light grey sericite schist fragments, up to 0'.2 in length. Sparse pyrite.		75.3	82.0	6.7			0	0	
82-86	2.1	Massive pyrite with 10 to 15% combined Pbs and Zns. A button of graphitic schist at end of run at 86.	4705	82	86	4			3.44	6.68	

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 14

PROPERTY Vangorda

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE Ag	Cu	Pb	Zn	SLUDGE SAMPLE			
86-91	3.1	Medium grey sericite schist grading to												
91-140	13.5	graphitic schist at midpoint of run. Graphitic schist. Very carbonaceous and brittle. Shearing contorted, varying from 30° to 5° to core.												
140-174	13.4	Graphitic schist. Wavy schistosity at 10° to 30° to core. Core brittle and badly broken. Change to EX core, at 170'.												
174-263.5	51.7	Medium grey sericite schist. Some chloritic sections associated with irregular patches of white quartz. Shearing at 50° to core. Scattered threads of pyrrhotite and reddish-brown sphalerite; sparse chalcopyrite. Not more than 3% sulphide. Not worthy of assay.												
263.5-275	4.5	Graphitic schist mottled with rice-sized patches of grey quartz in the plane of shearing. - at 50° to 60° to core. About 10% fine pyrite; no visible Pbs or Zns. Not worthy of assay.												
275-280	5.0	Graphitic schist silicified with about 60% grey quartz. 20% fine pyrite; sparse chalcopyrite. No visible Pbs or Zns.	4706	275	280	5			0.17	0.39				

DIAMOND DRILL RECORD,

HOLE NO. 14

PROPERTY Vangorda

SHEET NUMBER 3 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
280-284	1.8	80% massive pyrite. Balance grey siliceous gangue. No visible Pbs or Zns.	4707	280	284	4			0.45	0.20				
284-288	3.1	As above. Several streaks of fine Pbs at 285.	4708	284	288	4			0.70	1.08				
288-292	4.0	Massive pyrite with about 5% Pbs; no visible Zns.	4709	288	292	4			1.07	1.28				
292-294.5	2.5	As above; possibly a little more Pbs	4710	292	294.5	2.5			1.55	1.77				
294.5-329	15.8	Graphitic schist with about 20% inter-banded grey silica. Shearing clearly defined at 80° to core.												
329-343	12.0	Graphitic schist. Shearing at 45° to core.												
343-348	5.0	Graphitic schist replaced by about 60% pyrite, 10% pyrrhotite, 5 to 10% Pbs and reddish-brown Zns. Balance,-grey siliceous gangue and graphitic remnants.	4711	343	348	5			0.82	1.18				
348-350.7	2.7	As in previous section but with slightly higher pyrite and Pbs-Zns content.	4712	348	350.7	2.7			1.89	6.00				
350.7-371	14.0	Graphitic schist containing about 30% grey silica following the shear planes. Shearing at 80° to core.												
		END OF HOLE AT 371												
		CORE RECOVERY; 46%												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 14

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 1 SLUDGES | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				BLUDGE SAMPLE			
8-20	Numerous sericite flakes in light brown matrix of oxidized material.	4688	8	20	12								
20-25	As above.	4689	20	25	5								
25-30	Pale brown; highly oxidized.	4690	25	30	5								
30-60	Dark grey indicative of graphitic schist. No evidence of sulphide.												
60-65	Core contains fragments of pyrite.	4691	60	65	5								
65-70	Patch of pyrite in the core.	4692	65	70	5								
70-75	Pyrite fragments in core; low recovery.	4693	70	75	5								
75-80	Mineralized section of good core recovery.												
80-85	Mineralized section of low core recovery.	4694	80	85	5								
85-175	Greyish-black, indicative of graphitic schist.												
175-235	Medium grey sludge indicative of sericite schist.												
235-240	Brownish cast to sludge due possibly to sulphide.	4695	235	240	5								
240-265	Medium grey to dark grey sludge. No evidence of sulphide.												
265-275	Dark grey, indicative of graphitic material.												
275-280	Mineralized section of good core recovery.												
280-285	Mineralized section of low core recovery.	4696	280	285	5								
285-295	Mineralized section of good core. recovery.												
	SLUDGE return lost at 300'.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED Dec. 8, 1953

LATITUDE 30,006.25 9145.90 | DATUM 4000 | COMPLETED Dec. 13, 1953

DEPARTURE 30,293.65 9233.50 | BEARING ____ | ULTIMATE DEPTH 379

ELEVATION 4006.84 +295 1360.2 m | DIP Vertical | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
0-10 3		Casing (overburden)												
10-60	14.0	Fragments of medium greenish-grey sericite schist. Some chlorite in association with about 20% white quartz. Shearing at 60° to core.												
60-65	2.1	Graphitic schist fragments up to 0.'1. One 1/16" thread of Zns (reddish-brown) at 62.2. Sparse pyrite. Not worthy of assay.												
65-69	1.6	Graphitic schist with about 50% grey silicification. About 10% pyrite. Several threads of reddish-brown Zns and a little associated Pbs.	4646	65	69	4			2.70	5.80				
69-80	3.9	Graphitic schist silicified as above. Sparse pyrite.												
80-84	2.9	Graphitic schist, silicified. 20% pyrite. Sparse visible Pbs and Zns.	4647	80	84	4			0.90	0.69				
84-88	4.0	Graphitic schist with 40% greyish-white silicification. 25% pyrite. A little chalco pyrite and pyrrhotite. No visible Pbs or Zns.	4648	84	88	4			0.37	0.29				
88-92	4.0	Graphitid schist, silicified as in previous section.	4649	88	92	4			0.11	0.39				
92-96.5	4.2	As above with about 20% pyrite. Sparse Pbs and Zns.	4650	9.2	96.5	4.5			0.39	0.59				
96.5-101	4.5	Graphitic schist highly silicified with grey quartz. 30% pyrite. No visible Pbs or Zns.	4713	96.5	101	4.5			0.39	0.59				

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
101-105	3.2	Graphitic schist as above. Shearing contorted. 15% pyrite.	4714	101	105	4			0.42	0.98				
105-107	2.0	Same as above.	4715	105	107	2			0.51	0.59				
107-112	5.0	20% pyrite in silicified graphitic schist.	4716	107	112	5			2.26	2.36				
112-128	10.5	Graphitic schist, containing about 30% silicification. Less than 5% pyrite.		112	125	16								
128-130	1.1	0.'4 of massive pyrite. Several threads of reddish brown Zns in graphitic schist.	4717	128	130	2			3.98	6.68				
130-134	2.0	Graphitic schist replaced by 30% white quartz.				4			0	0				
134-137	2.8	Graphitic schist; 30% siligification; 20% pyrite. Shearing at 60° to core.	4718	134	137	3			1.89	2.26				
137-141	3.4	Graphitic schist changing to white sericite schist at 139-'0. 30% pyrite some Pbs and Zns.	4719	137	141	4			2.03	2.26				
141-144.6	3.6	Massive pyrite and pyrrhotite containing a little finely associated Pbs and Zns.	4720	141	144.6	3.6			7.96	5.80				
144.6-154	8.2	Greyish-white sericite schist. 30% white quartz. Shearing at 40° to core. 152.5-154 0.'4 of pyrite, Pbs and Zns in grey gangue at 153.1	4721	152.5	154	7.9 (1.5)			3.27	7.37				
154-164.9	9.4	Greyish-white sericite schist. Soft and fissile. Shearing at 80° to core.		154	164.9	10.9			0	0				

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 3 | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
									Pb	Zn				
164.9-166	1.1	Massive pyrite. Some closely associated Pbs and Zns.	4722	164.9	166	1.1	5.0							
166-169.9	3.9	Massive with about 20% to 30% combined Pbs and Zns. Some fine siliceous gangue. Relict banding at 50° to core.	4723	166	169.9	3.9			3.08	5.90				
169.9-171	1.1	Greyish-white sericite schist. Sparse pyrite.				1.1			0	0				
171-176	5.0	Massive pyrite with 20% fine Pbs and Zns. Some closely associated siliceous gangue.	4724	171	176	5			1.69	5.51				
176-179	2.8	40% pyrite, 25% combined Pbs and Zns. Balance siliceous gangue.	4725	176	179	3			3.61	7.68				
179-184	5.0	55% pyrite, 25% combined Pbs and Zns, a little chalcopyrite and pyrrhotite. Balance siliceous gangue, with vestiges of sericite schist.	4726	179	184	5			3.78	5.61				
184-187	2.9	Massive sulphide consisting of 60% pyrite, 30% combined Pbs and Zns. Balance light grey silica.	4727	184	187	3			4.05	6.88				
187-192.5	5.0	Same type of mineralization as in previous section. Ratio of Zns to Pbs about 3 to 2.	4728	187	192.5	5.5			3.41	5.12				
192.5-198	5.2	Massive sulphide consisting of 70% pyrite, 20% combined Pbs and Zns, 10% siliceous gangue. Some sections magnetic, indicating presence of a little pyrrhotite.	4729	192.5	198	5.5			1.07	1.08				

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE		Pb	Zn	SLUDGE SAMPLE			
						53.7								
198-203	5.0	As on previous page, but showing an increase of Pbs and Zns over the pyrite possibly 25% combined.	4730	198	203	5			3.28	3.44				
203-208	4.7	As in previous section but with massive pyrrhotite from 205 to 206.5, lessening overall percentage of Pbs and Zns.	4731	203	208	5			5.67	9.15				
208-213	4.8	Massive sulphide consisting of pyrite pyrrhotite in minor amount and about 25% combined Pbs and Zns. Matrix of about 15% silica. Vestigial banding at 50° to core.	4732	208	213	5			3.13	6.78				
213-217	4.0	Massive sulphide as above. Slight increase in silica gangue content.	4733	213	217	4			1.92	6.88				
217-222	5.0	Massive sulphide as in previous section but with vestiges of white sericite schist from 218 to 221.	4734	217	222	5			2.17	4.23				
222-227	5.0	Massive mineralization consisting of pyrite, minor pyrrhotite, 20 to 30% combined Pbs and Zns and about 20% siliceous gangue and schist remnants.	4735	222	227	5			3.44	5.61				
227-231	4.0	As in previous section but with about 15% siliceous gangue.	4736	227	231	4			2.82	7.18				
231-236	5.0	Massive sulphide as in previous sections but with several irregular white quartz patches from 231 to 233. Sulphide assemblage fine grained.	4737	231	236	5			1.75	5.71				
						71.7								

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
							–		Pb	Zn				
236-241	5.0	Massive sulphide containing about 15 to 20% combined Zns and Pbs. Increase of pyrrhotite relative to the pyrite indicated magnetically.	4738	236	241	71.1 5	~		3.41	2.66 –				
241-246	5.0	Pyrite, pyrrhotite and about 15% Pbs and Zns. A little chalco pyrite. One 0.'1 section of relatively coarse Pbs. About 30% siliceous gangue.	4739	241	246	5			2.86	1.08				
246-251	5.0	60% sulphide consisting of pyrite, Pbs and Zns (15%). Balance grey siliceous gangue.	4740	246	251	5			0.45	1.67				
251-256	5.0	Massive sulphide consisting of 75% pyrite and pyrrhotite, 20% combined Pbs and Zns and balance siliceous gangue.	4741	251	256	5			0.48	0.89				
256-261	5.0	Massive pyrite with about 30% combined Pbs and Zns.	4742	256	261	5			9.51	1.57				
261-266	5.0	Massive sulphide as above. Pyrrhotite present with the pyrite.	4743	261	266	5			0.37	0.59				
266-271	5.0	Increase of siliceous gangue to about 30%; sulphide ratios as in previous sections.	4744	266	271	5			0.54	1.38				
271-276	5.0	50% pyrite, 15% pyrrhotite, sparse chalcopyrite, 15% combined Pbs and Znd. Balance siliceous gangue.	4745	271	276	5			0.71	1.18				
276-281	5.0	As above. Zns present in greater amount then Pbs. Brecciated and healed with pyrite at 277, along with greyish-black soft material. (Gouge)	4746	276	281	5			0.62	0.69				
						115.1								

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD, HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 6 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	Recovery	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE		Pb	Zn	SLUDGE SAMPLE			
281-286	5.0	30% pyrite and pyrrhotite, 15% Zns and 5% Pbs. Balance grey siliceous gangue. Sericite schist at 285.5.	4747	281	286	115.1 5			3.96	5.41				
286-325		Medium greenish-grey sericite schist containing about 30% irregular white quartz patches. Shearing at 60° to 80° to core. Some chlorite in association with the quartz. Sparse pyrrhotite, and chalcopyrite.												
325-335	7.0	Medium grey sericite schist, platey and soft. Shearing at 70° to 80° to core. A little pyrrhotite, not worthy of assay.												
335-344	5.4	As in previous section but with more pyrrhotite present.												
		338.3 to 340.7 About 40% pyrrhotite in irregular patches up to 0.'3. Sample taken for Ni only.	4699	338.3	340.7	2.4								
344-352	3.5	Medium grey sericite schist. A little pyrrhotite.												
352-357	2.6	White quartz containing remnants of sericite schist.												
357-379	18.3	Medium grey sericite schist. Quite fissile at 80° to core. 10% white quartz.												
						120.1			318.17	494.39				

AV 5 2.65
AV 2 4.12
C.77 COMBINED OVER 120.1

DRILLED BY _____ SIGNED _____

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
	The last section of sericite schist is similar to that obtained below the mineralized horizon in Hole 10.												
	END OF HOLE AT 379												
	RECOVERY : 67%												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 15

PROPERTY Vangorda

SLUDGE RECORD

SHEET NUMBER 1 Sludges | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	CORE SAMPLE				SLUDGE SAMPLE			
10-60	Light grey. Numerous sericite flakes. No evidence of sulphide.												
60-62	Graphitic. Low core redovery in section containing a little Zns.	4697	60	62	2								
62-67	As above.	4698	62	67	5								
67-141	Graphitic schist indicated from sludges. Core recovery good in mineralized portions. Some sludges lighter in colour due to silicification												
141-193	Light grey sludges. Core recovery good in this section. Water return lost at 193'. Core recovery good over this section.												

DRILLED BY Boyles Bros. Ltd.

SIGNED R. W. Baker

DIAMOND DRILL RECORD,

HOLE NO. 16

PROPERTY VANGUNDA CREEK Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 161.6 | STARTED March 28, 1954

LATITUDE 30,073.41 9166.37 | DATUM 4000 | COMPLETED April 3, 1954

DEPARTURE 30,557.37 9313.88 | BEARING | ULTIMATE DEPTH 416.0

ELEVATION 4039.94 +259' 1310.31 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralised "A X" core

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
12.0	3.0	Casing (overburden)												
.0-86.3	48.1	Medium grey to dark grey sericite schist. Pearly lustre on cleavage faces. Shearing at 70° to 80° to to core. About 20% white quarts replacement, in irregular patches.												
.3-102.0	12.6	Graphitic schist containing fine laminations of grey silica. Shearing at 70° to core. About 30% pyrite some reddish brown sphalerite visible in the laminations												
		86.3 to 91.3 Noted above	4751	5.0			1.91	3.78						
		91.3 to 96.3 " "	4752	5.0			1.46	3.18						
		96.3 to 102.0 " "	4753	5.7			1.83	3.08						
2.0-1.6	46.2	Medium grey sericite schist. Greenish cast in part. Several small patches of pyrrhotite and pyrite. Fissile shearing at 80° to core.												
1.6-188.6	27.0	Medium grey to dark sericite schist. Greenish cast indicative of some associated chlorite. Pearly transluscent lustre on shear planes. Shearing (fissile) at 80° to core. A few irregular threads and small patches of pyrrhotite and pyrite.	water return lost at 180'											
8.6-191.0	2.7	Graphitic schist. Gradational to a high carbon content at 191.0. Several irregular white quarts threads and some interbanded grey silica. A little pyrrhotite and pyrite.												
1.0-193.0	1.9	Graphitic schist containing grey interbanded silica 15% pyrite and a little sphalerite.	4754	2.0			1.21	2.79						

DIAMOND DRILL RECORD,

HOLE NO. L 16

PROPERTY VANGONDA

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
3.0-96.0	2.5	Graphitic schist as above. 20% pyrite with a little sphalerite.	4755	3.0			1.80	3.78	✓					
96.0-98.0	2.0	Graphitic schist. Shearing at 80° to core. Wavy banding containing grey silica at right angles to the shearing. Scattered fine pyrite; a little associated sphalerite.	4756	2.0			0.82	2.39	✓					
98.0-03.0	5.0	Graphitic schist replaced by irregular pyrrhotite, sphalerite and pyrite. Sparse visible galena and chalcopyrite. Mineralisation changes to a massive silicified type at 201.5 leaving no vestiges of original rock.	4757	5.0			6.46	5.97						
03.0-08.0	5.0	About 60 to 70% fine grained sulphide consisting of pyrite, pyrrhotite, sphalerite and galena in a silica matrix. Sparse chalcopyrite.	4758	5.0			6.27	6.47	✓					
08.0-13.0	5.0	Heavy sulphide mineralisation similar to previous section. Appears to be less silica and a greater amount of pyrite and pyrrhotite present.	4759	5.0			3.51	2.79	✓					
13.0-18.0	5.0	Finely associated pyrrhotite, pyrite, galena, sphalerite and chalcopyrite, with greater silica content and less pyrite than in previous section.	4760	5.0			3.65	3.78						
18.0-23.0	5.0	Similar mineralisation to above. Strong pyrrhotite content indicated from Alnico magnet.	4761	5.0			2.84	1.79	✓					
23.0-28.0	5.0	Heavy fine sulphide and silica gangue as above	4762	5.0			1.77	1.39						

DIAMOND DRILL RECORD,

HOLE NO. 16'

PROPERTY VANGORDA

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
28.0-33.0	5.0	Greater silica gangue content in sulphide mineralisation similar to previous sections.	4763	5.0			1.85	2.69						
33.0-38.0	5.0	Finely associated pyrrhotite, pyrite, galena and sphalerite in a grey silica gangue as in previous sections. Wisps of chlorite probably vestigial from replaced rock.	4764	5.0			1.07	1.49	✓					
3.0-1.0	3.0	Light yellow fine pyrite, and fine silica matrix. A little visible sphalerite and galena in bands at 80° to core- probably guided by shearing, now replaced	4765	3.0			2.92	1.19	✓					
41.0-46.0	5.0	Fine pyrite and silica in a ratio of about 60:40	4766	5.0			0.45	0.10						
46.0-51.0	5.0	Mineralization similar to above. Sphalerite or galena not noted.	4767	5.0			0.42	2.79						
51.0-56.3	5.0	Mineralization as above. Pyrite massive in some sections.	4768	5.3 5.0			0.28	0.50						
56.3														
56.3-63.5	2.8	Medium grey silicified schist. Compact, non-fissile due to silicification. Has a slight greenish cast and numerous white qts. threads.												
63.5-66.0	2.5	Fine pyrite in a siliceous matrix, in proportion of about 40:60. Sphalerite or galena not visible.	4769	2.5			0.42	0.99						
66.0-70.0	4.0	Same as previous mineralisation. Pyrite massive in some sections.	4770	4.0			0.34	2.19						

DIAMOND DRILL RECORD,

HOLE NO. 16

PROPERTY VANGORDA

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
308.2-339.0	26.0	Talc sericite schist. Shearing at 80° to core. Some interbanded grey silica and about 15% fine pyrrhotite in irregular patterns, but roughly paralleling the shear planes.												
339.0-353.0	12.6	Medium grey to dark grey sericite schist. Several small layers of graphitic material between 342.0 and 345.0. About 15% irregular patches of fine pyrrhotite; sparse chalcopyrite. Shearing at 40° to core. Pearly translucent platey appearance on shear planes.												
353.0-376.0	13.6	Light grey to medium grey sericite schist. Pale green cast indicative of chlorite association, in seams paralleling schistosity. A few small patches of white quartz and about 10% fine pyrrhotite. Sparse chalcopyrite.												
376.0-388.0	12.0	Medium grey sericite schist containing about 15% fine pyrrhotite. A few quartz threads. Schist not fissile due to the binding effect of the pyrrhotite.												
388.0-416.0	16.5	Medium grey sericite schist containing about 20% white quartz patches. Pyrrhotite content progressively less from about 10% to 0% at 411.0 Shearing at 80° to core.												
		The core is not as fissile in the section at the bottom of the hole, as is the condition in the upper horizons. The rock also has a greenish cast from 411.0 to 416.0, indicative of chlorite.												

DIAMOND DRILL RECORD,

HOLE NO. 16

PROPERTY VANGORDA

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
		Irregular white quartz patches make up about 20% of the rock. The rock has a clay odour when wet. (kaolin) End of hole at 216.0												
		Recovery in mineralized zone: 98.6%												
		Average recovery of the hole: 81.2%												
		Size of core: A X (1 3/16") for full length of hole.												
		R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 19

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO ~~118.0~~ | STARTED April 5, 1954

LATITUDE 30,180.04 9198.87N | DATUM 4000 | COMPLETED April 10, 1954

DEPARTURE 30,882.84 9413.09E | BEARING | ULTIMATE DEPTH 376.0

ELEVATION 4,059.73 1316.34 | DIP Vertical hole | PROPOSED DEPTH to test mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-8.0	2.4	Casing (overburden)												
8.0-118.0	75.4	Light grey to medium grey sericite schist. Some sections contain chlorite in association with patches of white quartz. From 21.0 to 40.0 the rock has a brownish colour and has an argillaceous feel- readily cut with the knife. The shearing varies from 85° to the core to 65° to the core, average about 70°. From 83.0 to 118.0 there is about 5% fine pyrrhotite and sparse pyrite. Recovery is better where the pyrrhotite is present as the fissility of the schist is not as great.												
118.0-165.0	32.1	Greenish-grey sericite schist. Irregular small patches of chlorite associated with white quartz 20%) About 5% fine, disseminated pyrrhotite.												
165.0-167.7	2.7	About 25% fine pyrrhotite in a dark green chlorite-silica matrix. Some sericite flakes visible on fracture surfaces. Sample taken for Ni only.	4779	2.7										
167.7-174.0	6.3	80% grey-white carbonate and white quartz, containing irregular threads and patches of deep green, soft chlorite. About 10% fine grained pyrrhotite. The fabric is suggestive of a replacement in a fault zone breccia.												
174.0-179.5	5.5	30% pyrrhotite in a chlorite - silica - carbonate matrix as above. Small patch of galena at 178.4	4780	5.5										

DIAMOND DRILL RECORD,

HOLE NO. 17

PROPERTY VANCOUVER

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
179.5-218.0	27.5	Sericite schist, pale grey to greenish grey containing several small patches of chlorite, pyrrhotite and white quartz. Soft, clay-like texture. Shearing at 80° to core, changing to 70° between 205.0 and 218.0. About 70% grey carbonate replacement between 198.8 and 201.5. The schist is fissile with ribbed plated sericite flakes parallel to the shear planes. 2 to 5% pyrrhotite present.												
218.0-282.0	50.0	Medium greenish-grey sericite schist with light grey section from 278.0 to 281.0. About 5% pyrrhotite. Shearing 60° to 80° to core.												
282.0-321.0	23.0	Light grey sericite schist. About 20% white quartz patches. Shearing at 70° to core. Clay-like texture.												
321.0-344.0	14.8	Dark grey sericite schist with a little interbanded graphitic schist. Sparse pyrrhotite and chlorite.												
344.0-376.0	21.2	Medium greenish-grey sericite schist. About 10% white quartz patches. A little fine pyrrhotite from 368.0 to 371.0.												
		End of hole at 376.0												
		Recovery 64.8%												
		Hole caved at 270, 290 and 331 feet; caving finally prevented lowering of the rods. R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 28

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 347.5 | STARTED May 19, 1954

LATITUDE 30,290.62 9277.57 W | DATUM 4000 | COMPLETED May 24, 1954

DEPARTURE 30,039.64 9156.09 E | BEARING | ULTIMATE DEPTH 371.0 (113.08) = - 1201.36

ELEVATION 4,053.54 1314.46 M | DIP Vertical hole | PROPOSED DEPTH To test for mineralised zone.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-60.0		Casing (overburden). Granite boulders with a cemented matrix of schist fragments and iron oxide near bedrock.												
14.24							19.24	12/14'						
60.0-64.0	1.3	Massive pyrite, sphalerite and galena in a siliceous matrix. Recovery low; sludge for assay.	4869	4.0			2.04	7.09	4872	60-65			1.41	1.23
64.0-74.0	0.4	Three fragments of mineralised rock similar to previous section; recovery poor; sludges for assay	4870	10.0			11.18	12.01	4873	65-70			0.02	0.05
									4874	70-75			0.68	1.03
74.0-80.0	0.3	Three fragments of light grey sericite schist. Shearing at 70° to core							4875	75-80			nil	nil
									4876	80-85			TR	0.10
80.0-95.0	0.8	Twelve fragments of graphitic schist containing pyrite mineralization. Recovery very poor.	4871	15.0			1.90	2.96	4877	85-90			0.48	0.74
									4878	90-95			nil	nil
95.0-111.0	0	Sludge taken for assay. Nil recovery.							4879	95-100			nil	nil
									4880	100-105			TR	nil
111.0-116.0	0.1	One fragment of graphitic schist with some pyrite.							4881	105-110			nil	0.49
									4882	110-115			TR	0.49
									4883	115-120			TR	0.49
116.0-126.0	2.9	Graphitic schist containing stringers of quartz with a little pyrite. Shearing at 60° to core.							4884	120-125			nil	nil
126.0-347.5	132.0	Graphitic schist. Shearing at 60° to 70° to core. A little interbanded grey silica. A few quartz-carbonate threads with a little pyrite. The schist is brittle and fairly light with a lignite type of appearance.												

DIAMOND DRILL RECORD, HOLE NO. 28

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 347.5 TO 371.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
347.5-366.4	15.0	Light grey to medium grey sericite schist. Shearing at 60° to 70° to core. A little interbanded graphitic schist.												
366.4-371.0	1.4	Graphitic schist with interbanded grey silica. Shearing at 70° to core.												
		End of Hole at 371.0												
		Recovery 49.6%												
	Note:	Due to bad caving conditions at bedrock, similar to DD.H.6, it was necessary to change from A X to E X core to continue the hole, and case by the bad section. A X core (1 3/16") from bedrock at 60.0 to 95.0; E X core (7/8") from 95.0 to end of hole at 371.0. Sludge samples were taken for assay over the initial part of the hole where mineralization is present and recovery was low.												
		R. W. Bahar												

DIAMOND DRILL RECORD, HOLE NO. 29

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 424.0 | STARTED May 23, 1954

LATITUDE 30,550.81 9311.88N | DATUM 4000 | COMPLETED May 28, 1954

DEPARTURE 30,347.94 9250.05E | BEARING | ULTIMATE DEPTH 502.0 (153) 1177.57m.

ELEVATION 4,106.41 1330.57 | DIP Vertical hole | PROPOSED DEPTH To test extent of mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
15.87 0.0-52.0		Casing (overburden)												
52.0-210.0	105.0	Medium grey to dark grey sericite schist. About 10% white quartz in irregular patches. A few small threads and patches of pyrrhotite. Shearing at an average of 70° to core, but contorted in part.												
210.0-249.0	39.0	Light grey sericite schist. 3 to 5% pyrrhotite in irregular patches and threads. Shearing at 60° to core.												
249.0-370.0	99.2	Medium grey to dark grey sericite schist. Shearing at 70° to core. Some interbedded graphitic material from 274.8 to 277.0. A little pyrrhotite.												
370.0-401.5	24.2	Light grey to medium grey sericite schist increasing chlorite and talc toward 401.5. Shearing at 70° to 80° to core. 3 to 5% fine pyrrhotite.												
401.5-403.0	1.5	Irregular galena and reddish-brown sphalerite in talc-sericite schist. Some finely associated magnetite and numerous small anhedral garnets. Some green chlorite.	4894	1.5			0.41	0.98						
403.0-419.5	9.5	Light grey talc-sericite schist. Some threads and small patches of pyrrhotite.												
419.5-424.0	4.5	Medium grey talc-sericite schist containing a few seams of reddish-brown sphalerite, galena and pyrrhotite. Numerous small garnets in proximity to the sulphide.	4895	4.5			1.02	0.49						

DIAMOND DRILL RECORD, HOLE NO. 30

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 SECTION FROM 0.0 TO 198.0 STARTED May 25, 1954

LATITUDE 30,423.73 9273.15N DATUM 4000 COMPLETED May 30, 1954

DEPARTURE 30,196.42 9203.84E BEARING ULTIMATE DEPTH 423.0 (128.93) 1192.27m

ELEVATION 4,075.76 +259 1321.2 DIP Vertical hole PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-52.0 (154)		Casing (overburden)												
52.0-125.7	49.1	Medium to dark grey sericite schist. Shearing at 70° to core. Several small white quartz patches. Minor interbanded chlorite and pyrrhotite.												
125.7-142.0	15.9	Light grey sericite schist. A few stringers of pyrrhotite and several patches of white quartz. Shearing at 50° to core.												
142.0-147.0	5.0	Graphitic schist, highly fractured and healed by white quartz and carbonate. Some disseminated pyrite sphalerite and galena.	4897	5.0			1.99	4.03		9.95	20.15			
147.0-178.0	25.2	Medium grey sericite schist. Shearing at 60° but contorted in part. Several threads of white quartz carbonate.												
178.0-183.0	5.0	Graphitic schist, fractured, in part, and healed with a little fine pyrite. Sparse galena and sphalerite.	4898	5.0			1.14	1.48		5.7	5.7			
183.0-188.0	2.5	Graphitic schist with some interbanded grey silica Pyrite galena and sphalerite present.	4899	5.0			2.28	4.32		11.4	21.65			
188.0-193.0	2.5	Same as previous section - graphitic host.	4900	5.0			2.34	4.33		11.7	21.66			
193.0-198.0	3.5	Graphitic schist, highly fractured and healed by white quartz threads, galena and sphalerite. White quartz later than the sulphide, following fractures	4901	5.0			2.46	4.82		12.3	24.10			

DIAMOND DRILL RECORD, HOLE NO. 30

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 198.0 TO 242.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
198.0-203.0	4.5	Graphitic schist containing mineralisation similar to previous section but slightly increased in amount, relative to the schist.	4902	5.0			3.50	5.02		17.5	25.1			
203.0-206.0	3.0	Graphitic schist containing mineralisation similar to previous section up to 205.0; schist is almost wholly replaced by massive pyrite with galena and sphalerite from 205.0 to 206.0.	4903	3.0			5.15	7.18		25.75	35.9			
206.0-209.4	3.4	Massive fine pyrite with galena and sphalerite containing vestiges of graphitic with some white quartz stringers.	4904	3.4			4.57	6.39		22.85	31.95			
				31.4						107.2	166.06			
209.4-222.6	9.4	Light grey sericite schist. Shearing at 50° to core. One 0.4' section of pyrite, galena and sphalerite at 219.6, not worthy of assay.		13								3.41	5.29	
													31.4	
222.6-227.0	4.4	Massive sulphides consisting of pyrite, galena and sphalerite. Some fine associated silica. Vestiges of sericite schist from 222.6 to 225.0.	4905	4.4			3.74	4.62		18.70	23.1			
227.0-232.0	5.0	Massive fine sulphides as above. Horse of carbonatised greenish-grey schist from 229.4 to 230.4.	4906	5.0			2.72	6.49		13.6	32.45			
232.0-237.0	5.0	Massive fine pyrite, galena and sphalerite in a silica matrix. Vestiges of sericite schist present. Relict banding at 70° to core.	4907	5.0			1.32	7.08		6.6	35.4			
237.0-242.0	5.0	Same as previous section with a little pyrrhotite present.	4908	5.0			2.55	3.84		12.75	19.20			

DIAMOND DRILL RECORD, HOLE NO. 30

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 242.0 TO 423.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
242.0-247.0	5.0	Irregular patches of fine pyrite in a matrix of silica and carbonate. Some vestiges of graphitic schist.	4909	5.0			0.82	3.84		4.1	19.2	2.28	5.30	
										55.75	129.35		24.4	
247.0-248.8	1.8	Same as previous section. Galena or sphalerite not seen.	4910	1.8			0.91	1.67						
248.8-253.0	4.2	Graphitic schist. Shearing contorted. Brittle and badly broken. A little white quartz-carbonate.												
253.0-263.0	5.2	Pale grey sericite schist. Bleached, silicified appearance. A little associated graphitic schist at 254.0. Shearing obscured by alteration.												
263.0-280.0	7.7	Graphitic schist. Shearing contorted. Brittle and core badly broken. Some fine stringers of quartz-carbonate.												
280.0-293.0	4.0	Graphitic schist. Core badly broken. Considerable white quartz and some associated carbonate.												
293.0-423.0	77.8	Graphitic schist. Shearing at 40° to core. Some interbanded grey silica. A few quartz-carbonate threads and small patches.												
		End of hole at 423.0												
		Recovery: 67.1%												
		Size of core: A X (1 3/16") to 293.0												
		E X (7/8") to 423.0												
		Recovery in mineralized sections: 88.8%.												

R.W.Baker

DIAMOND DRILL RECORD,

HOLE NO. 1

Checked: [illegible] April 15, 1977

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 146.0 | STARTED May 30, 1954

LATITUDE 30,702.61 9358.15 N | DATUM 4000 | COMPLETED June 1, 1954

DEPARTURE 30,226.96 9213.17 E | BEARING | ULTIMATE DEPTH 221.0

ELEVATION 4140.07 1262.59 1340.83 M | DIP Vertical hole | PROPOSED DEPTH Abandoned due to caving

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-5.0		Casing (overburden)												
5.0-84.0	34.0	Graphitic schist. Shearing at 40° to core. A little interbanded grey silica. Core badly buttoned from 5.0 to 84.0. Sparse disseminated pyrite.												
84.0-88.0	3.2	Graphitic schist containing some irregular fine pyrite. No visible galena or sphalerite.	4911	4.0										
88.0-98.0	3.9	Graphitic schist fragments. A little fine white pyrite, and some associated quartz-carbonate threads												
98.0-108.0	3.4	Dark grey sericite schist with a little associated graphitic material. A little fine pyrite and white quartz.												
108.0-110.0	1.2	About 40% fine pyrite in a grey siliceous matrix. Several threads of sphalerite.	4912	2.0			.69	1.18						
110.0-116.0	2.9	Considerable fine pyrite in a siliceous matrix. Vestiges of dark grey sericite schist present.	4913	6.0			.12	nil						
116.0-131.0	11.0	Medium grey sericite schist with some fine laminations of graphitic schist. Shearing at 35° to core.												
131.0-141.0	0	No core.												
141.0-146.0	0	One small button of quartz.												

DIAMOND DRILL RECORD, HOLE NO. 21

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 146.0 TO 221.0 End STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
146.0-151.0	0.2	One button of quartz and three fragments of grey sericite schist.												
151.0-155.0	0.3	Three fragments greenish-grey sericite schist.												
		From 131.0 to 155.0 the lack of core points to a gouge fault zone condition.												
155.0-160.0	1.2	Pale greenish-grey sericite schist. Shearing highly contorted. One 1/2" piece containing some pyrite at 160.0.												
160.0-165.0	5.0	Pale greenish-grey sericite schist. Shearing contorted and crushed andhealed by quartz and carbonate. Some fine pyrite and sparse galena and sphalerite present.	4914	5.0			0.26	0.20						
165.0-170.0	3.8	Sericite schist, mineralized as in previous section.	4915	5.0			0.04	0.05						
170.0-182.0	9.0	Pale greenish-grey contorted sericite schist as in previous sections. Some white quartz and carbonate, sparse pyrite.												
182.0-221.0	8.0	Graphitic schist. Badly broken; Shearing, in part at 30° to core. A little fine pyrite and quartz-carbonate. Some interbanded grey silica.												
		Change made from A X core to E X core at 201.0. Hole ends at 221.0, abandoned due to caving.												
		Recovery: 40.3%. R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 32

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 146.0 | STARTED May 31, 1954

LATITUDE 30,582.95 9321.68N | DATUM 4000 | COMPLETED June 4, 1954

DEPARTURE 30,064.78 9163.74E | BEARING | ULTIMATE DEPTH 386.0

ELEVATION 4,108.29 1331.1m | DIP Vertical hole | PROPOSED DEPTH To test extent of mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-20.0		Casing (overburden)												
20.0-76.0	7.1	Graphitic schist fragments. Some interbanded grey silica and white quarts fragments. Sparse fine pyrite.							4916	75-80				
									4917	80-85				
76.0-81.0	0	No core.							4918	85-90				
81.0-96.0	0.7	Graphitic schist fragments.							4919	90-95				
									4920	95-100				
									4921	100-105				
96.0-106.0	0	No core.							4922	105-110				
106.0-116.0	2.7	Graphitic schist, highly contorted, containing about 40% white quarts-carbonate. Three buttons of fine pyrite at 106.3												
116.0-121.0	0	No core.												
121.0-126.0	0.4	Graphitic schist fragments with three small pieces of pyrite.												
126.0-131.0	0.7	White quarts-carbonate fragments and short core sections containing a little fine pyrite. One button of massive pyrite at 126.0.												
131.0-146.0	2.8	Graphitic schist, highly contorted and silicified in part. Two fragments of fine pyrite at 131.2.												
		Change from A X to B X at 146.0 due to caving conditions. The preceding sections of low core												
		recovery possibly represent a fault zone of intense deformation and soft gouge formation.												

DIAMOND DRILL RECORD,

HOLE NO. 32

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 146.0 TO 386.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
146.0-150.0	0.8	Pale greenish-grey sericite schist fragments similar to the type cut in hole 31. Three pieces of white quartz-carbonate.												
150.0-222.0	31.2	Graphitic schist. Shearing at 80° to core. A few patches of white quartz-carbonate and a little inter-banded grey silica. Sparse fine pyrite.												
222.0-238.4	7.7	Pale, greenish-grey sericite schist containing some interbanded graphitic schist.												
238.4-356.0	49.7	Graphitic schist. Shearing at 70° to core. A little interbanded dark grey sericite schist and sparse fine pyrite, and pyrrhotite.												
356.0-386.0	22.3	Dark grey sericite schist with about 40% finely interbanded graphitic schist. Shearing at 80° to core. Schist quite fissile. Occasional small patch of white quartz-carbonate.												
		End of hole at 386.0												
		Recovery: 34.5%												
		Change from A X core to E X core at 146.0 for furtherance of the hole under bad caving conditions.												
		E. W. Baker												

APPENDIX TO D.D. HOLE # 32

DESCRIPTION OF SLUDGES IN SECTIONS OF LOW CORE RECOVERY

75 - 80: Black graphitic schist with grains of silica, pyrite and reddish-brown iron oxide.

80 - 85: Similar to previous section; less pyrite, more flakey.

85 - 95: Same as previous section; a little pyrite.

95 - 100: Dark grey flakes, considerable silica, little pyrite, some reddish iron oxide.

100 - 110: Dark grey flakes with an increasing amount of pyrite.

110 - 120: Dark grey flakes, less pyrite.

120 - 146: Dark grey flakes, possibly sericite, a little silica and decreasing pyrite.

V. Papezik

DIAMOND DRILL RECORD, HOLE NO. 33

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 115.0 | STARTED June 4, 1954

LATITUDE 29,833.17 9093.15N | DATUM 4000 | COMPLETED June 7, 1954

DEPARTURE 30,426.64 9274.04E | BEARING | ULTIMATE DEPTH 407.0

ELEVATION 4,020.33 1304.34 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-65.0 (19.8)		Casing (overburden)												
65.0-75.0	2.6	Graphitic schist containing some interbanded grey silica. Shearing at 50° to core. Sparse pyrite.												
75.0-80.0	3.0	Graphitic schist. Some fine pyrite and a little galena and sphalerite present.	4923	5.0			3.23	7.77						
80.0-85.0	2.1	Graphitic schist. Shearing at 30° to core. Considerable fine pyrite.	4924	5.0			3.35	5.32						
85.0-90.0	2.1	Graphitic schist with pyrite changing to massive fine pyrite with sphalerite and galena at 85.5. Relict banding at 35° to core.	4925	5.0			3.11	8.96						
90.0-95.0	4.4	Massive fine pyrite, galena and sphalerite in a silica matrix. Horse of silicified sericite schist from 92.0 to 94.0.	4926	5.0			1.62	4.43						
95.0-100.0	2.2	Porous fine pyrite containing some galena and sphalerite. Silica matrix.	4927	5.0			5.77	5.02						
100.0-105.0	3.5	Massive fine pyrite in a silica matrix. Galena and sphalerite present.	4928	5.0			1.76	6.30						
105.0-110.0	4.1	Same as previous section. Stronger galena and sphalerite content.	4929	5.0			4.04	9.05						
110.0-115.0	3.4	Massive fine pyrite, galena and sphalerite. A little white quartz.	4930	5.0			4.49	6.20						

DIAMOND DRILL RECORD,

HOLE NO. 33

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 115.0 TO 165.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
115.0-120.0	5.0	Same previous section with a little pyrrhotite present.	4931	5.0			3.69	4.72						
120.0-125.0	5.0	Heavy fine pyrite and pyrrhotite. Less sphalerite and galena than previous section.	4932	5.0			0.97	1.57						
125.0-130.0	5.0	Increased galena and sphalerite from 128.0 to 130.0 with heavy pyrite and pyrrhotite.	4933	5.0			1.84	4.03						
130.0-135.0	4.6	Heavy fine pyrite and pyrrhotite with strong galena and sphalerite in a silica matrix. Relict banding at 55° to core.	4934	5.0			1.96	7.77						
135.0-140.0	4.4	Same as previous section, but less pyrrhotite.	4935	5.0			3.46	7.68	✓					
140.0-145.0	5.0	Massive fine pyrite. Horses of silicified and carbonatized graphitic schist 141.0 to 143.2 and 143.6 to 144.5.	4936	5.0			1.70	4.33	✓					
145.0-150.0	5.0	Fine pyrite galena and sphalerite in a silica matrix. Vestige of graphitic schist at 147.0	4937	5.0			2.19	8.17	✓					
150.0-155.0	5.0	Massive sulphide as in previous section. Silicified and carbonatized sericite schist from 51.2 to 52.5	4938	5.0			2.19	4.23	✓					
155.0-160.0	5.0	Massive fine pyrite and prominent pyrrhotite with some galena and sphalerite in a silica matrix.	4939	5.0			3.23	4.13	-					
160.0-165.0	5.0	Massive sulphides as in previous section.	4940	5.0			4.27	6.30	5					

DIAMOND DRILL RECORD,

HOLE NO. 33

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 115.0 | STARTED June 4, 1954

LATITUDE 29,833.17 9093.1SN | DATUM 4000 | COMPLETED June 7, 1954

DEPARTURE 30,426.64 9274.0ΦE | BEARING | ULTIMATE DEPTH 407.0

ELEVATION 4,020.33 1304.34 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-65.0 (17.9)		Casing (overburden)												
65.0-75.0	2.6	Graphitic schist containing some interbanded grey silica. Shearing at 50° to core. Sparse pyrite.												
75.0-80.0	3.0	Graphitic schist. Some fine pyrite and a little galena and sphalerite present.	4923	5.0			3.23	7.77						
80.0-85.0	2.1	Graphitic schist. Shearing at 30° to core. Considerable fine pyrite.	4924	5.0			3.35	5.32						
85.0-90.0	2.1	Graphitic schist with pyrite changing to massive fine pyrite with sphalerite and galena at 85.5. Relict banding at 35° to core.	4925	5.0			3.11	8.96						
90.0-95.0	4.4	Massive fine pyrite, galena and sphalerite in a silica matrix. Horse of silicified sericite schist from 92.0 to 94.0.	4926	5.0			1.62	4.43						
95.0-100.0	2.2	Porous fine pyrite containing some galena and sphalerite. Silica matrix.	4927	5.0			5.77	5.02						
100.0-105.0	3.5	Massive fine pyrite in a silica matrix. Galena and sphalerite present.	4928	5.0			1.76	6.30						
105.0-110.0	4.1	Same as previous section. Stronger galena and sphalerite content.	4929	5.0			4.04	9.05						
110.0-115.0	3.4	Massive fine pyrite, galena and sphalerite. A little white quartz.	4930	5.0			4.49	6.20						

DIAMOND DRILL RECORD,

HOLE NO. "

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 2 | SECTION FROM 115.0 TO 165.0 | STARTED

LATITUDE | DATUM | COMPLETED

DEPARTURE | BEARING | ULTIMATE DEPTH

ELEVATION | DIP | PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
115.0-120.0	5.0	Same as previous section with a little pyrrhotite present.	4931	5.0			3.69	4.72						
120.0-125.0	5.0	Heavy fine pyrite and pyrrhotite. Less sphalerite and galena than previous section.	4932	5.0			0.97	1.57						
125.0-130.0	5.0	Increased galena and sphalerite from 128.0 to 130.0 with heavy pyrite and pyrrhotite.	4933	5.0			1.84	4.03						
130.0-135.0	4.6	Heavy fine pyrite and pyrrhotite with strong galena and sphalerite in a silica matrix. Relict banding at 55° to core.	4934	5.0			1.96	7.77						
135.0-140.0	4.4	Same as previous section, but less pyrrhotite.	4935	5.0			3.46	7.64	✓					
140.0-145.0	5.0	Massive fine pyrite. Horses of silicified and carbonatized graphitic schist 141.0 to 143.2 and 143.6 to 144.5.	4936	5.0			1.70	4.33	✓					
145.0-150.0	5.0	Fine pyrite galena and sphalerite in a silica matrix. Vestige of graphitic schist at 147.0	4937	5.0			2.19	8.17	✓					
150.0-155.0	5.0	Massive sulphide as in previous section. Silicified and carbonatized sericite schist from 51.2 to 52.5	4938	5.0			2.19	4.23	✓					
155.0-160.0	5.0	Massive fine pyrite and prominent pyrrhotite with some galena and sphalerite in a silica matrix.	4939	5.0			3.23	4.13						
160.0-165.0	5.0	Massive sulphides as in previous section.	4940	5.0			4.27	6.30	5					

DIAMOND DRILL RECORD

HOLE NO. 33

PROPERTY VASCONDA CREEK, Y. T.

SHEET NUMBER 9 | SECTION FROM 165.0 TO 215.0 | STARTED

LATITUDE | DATUM | COMPLETED

DEPARTURE | BEARING | ULTIMATE DEPTH

ELEVATION | DIP | PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
165.0-170.0	5.0	Same as previous section with less pyrrhotite.	4941	5.0			4.22	8.06	1					
170.0-175.0	5.0	Massive pyrite, sphalerite and galena in a silica matrix.	4942	5.0			4.69	8.65						
175.0-180.0	5.0	Same as above with some associated pyrrhotite.	4943	5.0			2.31	6.39						
180.0-185.0	5.0	Massive fine sulphide as above. Relict banding at 60° to core.	4944	5.0			1.79	5.90	-					
185.0-190.0	5.0	Massive sulphides as in previous sections. Horse of silicified and carbonatised graphitic material from 189.4 to 190.0	4945	5.0			2.55	6.49						
190.0-195.0	5.0	Massive fine pyrite, pyrrhotite, galena and sphalerite in a silica matrix. Silicified and carbonatised remnant of sericite schist from 194.3 to 195.0	4946	5.0			4.57	3.54						
195.0-200.0	5.0	Massive fine pyrite. A little galena and sphalerite.	4947	5.0			0.02	0.10						
200.0-205.0	5.0	Increased silica matrix with massive fine pyrite.	4948	5.0			TR	nil						
205.0-210.0	5.0	Same as previous section with pyrrhotite present. Several bleb of sphalerite present.	4949	5.0			nil	nil						
210.0-215.0	5.0	Heavy fine pyrite and pyrrhotite in a silica matrix.	4950	5.0			TR	0.10						

DIAMOND DRILL RECORD,

HOLE NO. 33

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 215.0 TO 265.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
215.0-220.0	5.0	Same as previous section. Several small patches of galena and sphalerite.	4951	5.0			0.02	0.10						
220.0-225.0	5.0	Heavy fine pyrite in a silica matrix. Several small patches of galena and sphalerite.	4952	5.0			0.04	nil						
225.0-230.0	5.0	Massive fine pyrite and pyrrhotite with a little sphalerite and galena. Some interstitial grey silica.	4953	5.0			TR	nil						
230.0-235.0	5.0	Same as previous section. Some irregular white quartz.	4954	5.0			0.29	0.29						
235.0-240.0	5.0	Massive fine pyrite in a silica matrix. A little pyrrhotite.	4955	5.0			0.02	0.20						
240.0-245.0	5.0	Heavy fine pyrite and pyrrhotite. Heavy medium-grained massive galena from 244.5 to 245.0.	4956	5.0			6.30	0.49						
245.0-250.0	5.0	Massive fine pyrite and pyrrhotite with associated silica as a matrix.	4957	5.0			0.65	0.49						
250.0-255.0	5.0	Massive fine pyrite and pyrrhotite in a silica matrix.	4958	5.0			nil	nil						
255.0-260.0	5.0	Same as previous section.	4959	5.0			TR	0.10						
260.0-265.0	5.0	Increased amount of grey silica relative to massive fine pyrite and pyrrhotite.	4960	5.0			0.02	0.49						

DIAMOND DRILL RECORD,

HOLE NO. 33

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 5 SECTION FROM 265.0 TO 310.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
265.0-270.0	5.0	A little interbanded reddish-brown sphalerite in vestiges of sericite schist. Heavy fine pyrite and and pyrrhotite present.	4961	5.0			1.58	2.65						
270.0-275.0	5.0	Same as previous section. Irregular patches of grey silica.	4962	5.0			0.76	1.97	✓					
275.0-280.0	5.0	Increased sphalerite content relative to pyrite and pyrrhotite.	4963	5.0			1.61	4.52	✓					
280.0-285.0	5.0	Heavy fine sphalerite and galena with pyrite and fine silica. Vestige of sericite schist from 284.0 to 285.0.	4964	5.0			1.96	7.67						
285.0-290.0	5.0	Considerable reddish-brown sphalerite with fine pyrite. Some associated galena. Vestiges of light grey sericite schist present.	4965	5.0			4.57	9.94	✓					
290.0-295.0	5.0	Same as previous section with about 50% vestigial sericite schist.	4966	5.0			1.61	3.54	✓					
295.0-300.0	5.0	Strong galena and sphalerite in association with pyrite. Vestiges of light grey sericite schist.	4967	5.0			3.49	4.82	✓					
300.0-305.0	5.0	Same as previous section.	4968	5.0			1.44	0.98						
305.0-310.0	5.0	Pyrite and pyrrhotite with vestiges of silicified sericite schist as in previous sections. Some galena and reddish-brown sphalerite present.	4969	5.0			0.56	1.38						

DIAMOND DRILL RECORD,

HOLE NO. 39

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 6 | SECTION FROM 310.0 TO 407.0 | STARTED

LATITUDE | DATUM | COMPLETED

DEPARTURE | BEARING | ULTIMATE DEPTH

ELEVATION | DIP | PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
310.0-315.0	5.0	Banded pyrite and pyrrhotite with a little sphalerite in vestiges of silicified sericite schist. Banding at 80° to core.	4970	5.0			0.29	0.59						
315.0-320.0	5.0	Same as previous section.	4971	5.0			0.20	0.2-	/					
320.0-325.0	5.0	Medium grey sericite schist banded with fine pyrite, pyrrhotite and a little sphalerite. (reddish-brown).	4972	5.0			0.32	0.59						
325.0-330.0	5.0	Same as previous section. Banding at 80° to core.	4973	5.0			0.62	1.18						
330.0-335.0	5.0	Sericite schist with about 40% pyrite, pyrrhotite and sparse sphalerite and galena.	4974	5.0			0.67	1.77						
335.0-337.0	2.0	Sericite schist replaced by pyrite and pyrrhotite as in previous section. Banding at 80° to core.	4975	2.0			0.73	1.68						
337.0-373.0	36.0	Pale greenish-grey chloritic sericite schist, about 5% irregular white quartz. At 359.5, a 0.2 section of fine pyrite containing some galena and sphalerite; not worthy of assay. Shearing at 80° to core- fissile. A few irregular bands of fine pyrrhotite. Occasional speck of galena and sphalerite; not worthy of assay.												
373.0-407.0	34.0	Medium greenish-grey to dark grey sericite schist. A little interbanded chlorite. One 0.1 section of quartz containing fine galena at 379.0. Three to five percent fine pyrrhotite; sparse pyrite.												

DIAMOND DRILL RECORD,

HOLE NO. 33

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 7 SECTION FROM _____ TO _____ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
		End of hole at 407.0'												
		Average Recovery for hole: 93.1%												
		Recovery in mineralisation: 93.5%												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 34

Alexander 4.Po
April, 1977

PROPERTY YARCOMBA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 186.0 | STARTED June 5, 1954

LATITUDE 30,833.98 9398.19 N | DATUM 4000 | COMPLETED June 8, 1954

DEPARTURE 30,369.09 9256.5 E | BEARING | ULTIMATE DEPTH 256.0

ELEVATION 4181.50 1353.46 | DIP Vertical hole | PROPOSED DEPTH To test northeast of postulated fault

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
(C.P.) 0.0-21.0		Casing (overburden)												
21.0-69.0	34.0	Medium to dark grey sericite schist. Some interbanded graphitic material. Shearing at 75° to core. A little white quartz-carbonate.												
69.0-75.0	3.9	Graphitic schist containing a little interbanded sericite schist.												
75.0-133.0	35.0	Dark grey sericite schist containing several short sections of interbanded graphitic schist. Shearing at 80° to core. Sparse pyrite and pyrrhotite.												
133.0-147.0	14.0	Graphitic schist containing 20% interbanded grey silica. A little interbanded dark grey sericite schist. Several patches of white quartz-carbonate.												
147.0-152.0	5.0	Massive, fine grained pyrite. No visible galena or sphalerite. A horse of badly broken graphitic schist from 150.0 to 151.0.	4976	5.0			.29	5.90 C 19						
152.0-157.0	5.0	Massive pyrite as in previous section. Scattered small patches of grey quartz.	4977	5.0			.23	2.16						
157.0-161.0	4.0	Massive pyrite as above.	4978	4.0			.20	.39						
161.0-186.0	6.5	Medium grey sericite schist with some interbanded graphitic schist. Considerable white quartz. No core from 166 to 170 - possible fault zone. Due to caving, change from A X to B X made at 186.0.							4980 4981 4982 4983 4984 4985	160-165 165-170 170-175 175-180 180-185 185-190				

DIAMOND DRILL RECORD,

HOLE NO. 34

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 186.0 TO 256.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
186.0-237.0	22.9	Medium grey to dark grey sericite schist. Shearing at 70° to core. About 30% irregular white quartz-carbonate. Two buttons of white pyrite at 219.0.												
237.0-242.0	0	No core.							4986	235-240				
242.0-248.0	1.1	Fragments of fine pyrite in a grey silica matrix. No visible galena or sphalerite.	4979	6.0			.12	nil	4987 4988 4989	240-245 245-250 250-255				
248.0-256.0	0.1	Three small fragments of graphitic schist containing fine grains of pyrite.												
		Due to caving of the hole at 186.0 and 237.0, it was necessary to abandon it at 256.0. The above two sections possibly represent zones of shearing or faulting related to the postulated NW-SE fault in this section of ground.												
		End of hole at 256.0												
		Recovery for the hole: 56%												
		Recovery in mineralisation: 75.5%												
		R. V. Baker												

SLUDGE DESCRIPTIONS

D.D. HOLE 34

160 - 165	(Sample No. 4980)	Greyish-black mixture of sericite flakes silica and graphitic material.
165 - 170	(Sample No. 4981)	Medium grey mixture of sericite flakes and silica.
170 - 175	(Sample No. 4982)	Same as previous section.
175 - 180	(Sample No. 4983)	Light grey mixture of sericite flakes and silica.
180 - 185	(Sample No. 4984)	Same as previous section.
185 - 190	(Sample No. 4985)	Light greenish-grey, fine grained - possible gouge from fault zone - small sample due to poor water return.
235 - 240	(Sample No. 4986)	Medium grey mixture of sericite flakes and silica.
240 - 245	(Sample No. 4987)	Dark grey mixture of sericite flakes and graphitic material.
245 - 250	(Sample No. 4988)	Medium grey sericite flakes and silica; fine pyrite grains throughout.
250 - 255	(Sample No. 4989)	Same as previous section.

DIAMOND DRILL RECORD, HOLE NO. 35

PROPERTY VANGUARDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 158.0 | STARTED June 9, 1954

LATITUDE 29,811.79 | DATUM 4000 | COMPLETED June 15, 1954

DEPARTURE 30,709.72 | BEARING | ULTIMATE DEPTH 408.0

ELEVATION 4,058.19 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-67.0		Casing (overburden)												
67.0-74.0	6.0	Graphitic schist with about 40% interbanded grey silica. Shearing at 80° to core. Some fine pyrite throughout. Sparse reddish brown sphalerite, not worthy of assay.												
74.0-128.0	3.0	Dark grey sericite schist containing some interbanded graphitic material. Shearing at 80° to 90° to core. A little disseminated pyrite.												
128.0-133.0	5.0	Graphitic schist containing some interbanded grey silica and sericite schist. Some pyrite and reddish-brown sphalerite present.	4991	5.0			0.91	2.16						
133.0-138.0	5.0	Graphitic schist with mineralisation same as previous section.	4992	5.0			1.03	2.46						
138.0-143.0	5.0	Graphitic schist with interbanded silica and pyrite changing to massive fine pyrite with a little interbanded sericite schist at 140.0- 143.0. A little galena and sphalerite present.	4993	5.0			3.98	4.72						
143.0-148.0	5.0	Massive fine pyrite with a little associated silica, galena and sphalerite.	4994	5.0			1.52	1.67						
148.0-153.0	5.0	Same as previous section with more silica present.	4995	5.0			0.03	0.79						
153.0-158.0	5.0	Massive sulphides consisting of pyrite, pyrrhotite, minor galena and sphalerite. Some silica in association.	4996	5.0			0.05	0.20						

DIAMOND DRILL RECORD,

HOLE NO. 35

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 158.0 TO 208.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
158.0-163.0	5.0 M	Pyrite, pyrrhotite in close association in a silica matrix. No visible galena or sphalerite.	4997	5.0			0.02	0.10						
163.0-168.0	5.0 M	Same as previous section.	4998	5.0			TR	1.10						
168.0-173.0	5.0 M	Increase of pyrrhotite relative to the pyrite in a silica matrix.	4999	5.0			nil	nil						
173.0-178.0	5.0 M	Mainly pyrrhotite with some associated pyrite in about 30% silica matrix. 70% Sulfides?	5000	5.0			nil	nil						
178.0-183.0	5.0 M	Same as previous section.	5001	5.0			nil	nil						
183.0-188.0	5.0	Mainly fine pyrite and silica. A little associated pyrrhotite.	5002	5.0			0.03	nil						
188.0-193.0	5.0 M	Same as previous section. 60% Sulfides?	5003	5.0			TR	nil						
193.0-198.0	5.0	Fine pyrite in association with about 40% grey silica. Several irregular small seams of magnetite Sparse pyrrhotite.	5004	5.0			nil	nil						
198.0-203.0	5.0 M	Same as previous section. Possibly a little more magnetite.	5005	5.0			nil	nil						
203.0-208.0	5.0	Fine pyrite in association with grey silica. A little pyrrhotite and magnetite present.	5006	5.0			nil	nil						

DIAMOND DRILL RECORD,

HOLE NO. 35

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 208.0 TO 258.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
208.0-213.0	5.0	About 50% pyrite and pyrrhotite in a grey silica matrix. Several threads of fine magnetite.	5007	5.0			0.02	nil						
213.0-218.0	5.0	Same as previous section.	5008	5.0			TR	nil						
218.0-223.0	5.0	Mainly fine pyrite in a silica matrix. Sparse pyrrhotite.	5009	5.0			0.02	0.20						
223.0-228.0	5.0	Fine pyrite, massive in part, in about 40% grey silica.	5010	5.0										
228.0-233.0	5.0	Same as previous section.	5011	5.0										
233.0-238.0	5.0	Pyrite and silica as in previous sections.	5012	5.0										
238.0-243.0	5.0	Same as previous section; several small bands of magnetite.	5013	5.0										
243.0-248.0	5.0	Pyrite and silica; a little pyrrhotite and magnetite. Sparse chalcopyrite.	5014	5.0										
248.0-253.0	5.0	Same as previous section.	5015	5.0										
253.0-258.0	5.0	Increased silica relative to the pyrite. Relict banding at 80° to the core.	5016	5.0										

DIAMOND DRILL RECORD, HOLE NO. 35

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 258.0 TO 408.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
258.0-263.0	5.0	Patches of fine pyrite in association with grey silica. Veinlets of light grey sericite schist present. A little pyrrhotite and chalcopyrite.	5017	5.0										
263.0-372.0	108.4	Light grey to medium grey sericite schist. Shearing at 70° to core. 5 to 10% fine pyrrhotite in irregular patches. Several patches of white quartz.												
372.0-378.0	2.8	White quartz containing several small patches of chlorite and pyrrhotite in association.												
378.0-408.0	23.5	Greenish-grey sericite schist. Shearing at 70° to core. Several patches of white quartz. About 5% fine pyrrhotite.												
		End of hole at 408.0												
		Average recovery: 81.7%												
		Recovery in mineralisation: 100%												
		Size of core: A X (1 3/16")												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 36

PROPERTY VANGUARD CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 343.0 | STARTED June 9, 1954

LATITUDE 30,679.54 9351.12N | DATUM 4000 | COMPLETED June 12, 1954

DEPARTURE 30,503.41 9297.43 E | BEARING | ULTIMATE DEPTH 343.0 End (104.54) 1237.52

ELEVATION 4,166.09 +259 1342.06m | DIP Vertical Hole | PROPOSED DEPTH To test lateral extent of faulted mineralis

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-62.0 (19)		Casing (overburden)												
62.0-71.4	2.8	Graphitic schist. Contains some grey silica banding Core badly buttoned. A few fragments of dark grey sericite schist intermingled with the graphitic.												
71.4-78.0	3.2	Massive pyrite containing a little associated galena and sphalerite.	4990	6.6			1.03	7.08						
78.0-139.0	48.0	Medium to dark grey sericite schist. Scattered small patches of quartz and a little pyrrhotite. Shearing at 60° to core.												
139.0-236.0	90.0	Light grey to medium grey sericite schist. Greasy feel indicative of talc in association. Shearing at 50° to core. Sparse pyrrhotite.												
236.0-343.0	85.0	Medium grey to dark grey sericite schist. Talcose. Shearing at 80° to core. A few small patches of white quartz with a little chlorite in association.												
		End of hole at 343.0												
		Size of core: A X (1 3/16")												
		Recovery: 81.1%												
		R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 37

PROPERTY VANCORDA CREEK, Y. T.

Alexander G. Po April 15, 1977

SHEET NUMBER 1 | SECTION FROM 0.0 TO 296.0 | STARTED June 13, 1954

LATITUDE 30,985.15 9444.27N | DATUM 4000 | COMPLETED June 18, 1954

DEPARTURE 30,243.41 9218.19E | BEARING | ULTIMATE DEPTH 442.0

ELEVATION 4,191.89 1277.63 m | DIP Vertical hole | PROPOSED DEPTH To test for faulted extension of mineralisation.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-11.0	3.7	Casing (overburden)												
11.0-22.8	3.9	Medium greenish-grey sericite schist. Shearing at 85° to core. A few quartz threads.												
22.8-48.6	9.7	Graphitic schist with a little interbanded sericite schist.												
48.6-101.0	19.8	Medium greenish-grey sericite schist containing a little interbanded graphitic schist. Shearing at 50° to core.												
101.0-186.0	30.0	Graphitic schist containing several short, irregular sections of sericite schist. Shearing at 70° to core. A little fine pyrite and grey interbanded silica.												
186.0-276.0	45.0	Medium grey sericite schist. Shearing at 80° to core. Carbonatized and talcose from 206.0 to 236.4. Several small patches of white quarts.												
	Note:	Due to caving, casing was advanced in the hole, and core size was reduced from AX to EX at 276.0. From 250.0 to 258.0 the rock is compact and not fissile due to the presence white quarts patches and threads.												
276.0-286.0	4.0	Highly carbonatized and broken sericite schist. A little fine pyrite.												
286.0-296.0	8.2	Medium grey sericite schist. Several small patches offine pyrrhotite; sparse chalcopyrite.												

DIAMOND DRILL RECORD, HOLE NO. 37

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 296.0 TO 442.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
296.0-301.0	5.0	Medium grey sericite schist. A few small patches of white quartz. About 5% fine pyrrhotite. Several minute stringers of reddish-brown sphalerite and sparse galena.	5018	5.0										
301.0-306.0	5.0	Same as previous section with less pyrrhotite. Shearing at 60° to core.	5019	5.0										
306.0-356.5	31.9	Greenish-grey sericite schist. Considerable white quartz-carbonate. A little interbanded graphitic material. Shearing 80° to core.												
356.5-386.0	12.4	Graphitic schist with a little interbanded sericite schist. Shearing at 80°. Sparse pyrrhotite. Rock granulated from 366.0 to 366.5.												
386.0-391.0	0	Core lost - possible fault zone.												
391.0-442.0	21.0	Graphitic schist containing some interbanded sections of dark grey sericite schist. A little interbanded grey silica. Shearing at 50° to core. A few stringers of quartz-carbonate. Core gravelled from 391.0 to 392.0.												
		End of hole at 442.0												
		Size of core: AX to 276.0												
		AX (7/8") to 442.0												
		Recovery: 45.5% R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 58

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 185.0 | STARTED June 16, 1954

LATITUDE 29,942.96 | DATUM 4000 | COMPLETED June 21, 1954

DEPARTURE 30,876.85 | BEARING | ULTIMATE DEPTH 455.0

ELEVATION 4,038.75 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-47.0	(14.5)	Casing (overburden)												
47.0-70.5	10.5	Medium grey sericite schist. Shearing at 85° to core. Sparse pyrite. 0.8' of heavy fine pyrite and a little chalcopyrite from 59.1 to 59.4.												
70.5-152.0	58.0	Graphitic schist with about 20% interbanded silica. A little fine pyrite. Sparse pyrrhotite and reddish-brown sphalerite, the latter in fine threads.												
152.0-160.0	7.5	Graphitic schist. Shearing at 80° to core, but distorted in part.												
160.0-165.0	5.0	Graphitic schist containing disseminated pyrrhotite and reddish-brown sphalerite. One patch of pyrite pyrrhotite, galena and sphalerite from 164.4 to 165.0	5020	5.0			0.17	0.20						
165.0-170.0	5.0	Same as previous section. Heavy combined sulphides from 165.0 to 167.0.	5021	5.0			0.53	1.06						
170.0-175.0	5.0	Graphitic schist containing fine pyrite and pyrrhotite A little reddish-brown sphalerite.	5022	5.0			TR	nil						
175.0-180.0	5.0	Graphitic schist with mineralization similar to previous section. Shearing contorted; some interbanded silica.	5025	5.0			0.03	nil						
180.0-185.0	5.0	Graphitic schist with about 10% pyrrhotite; sparse sphalerite. Shearing at 80° to core.	5024	5.0			TR	nil						

DIAMOND DRILL RECORD,

HOLE NO. 38

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 185.0 TO 435.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
185.0–188.0	3.0	Graphitic schist containing some interbanded dark grey sericite schist. A little fine pyrrhotite. Shearing at 70° to core.												
188.0–241.0	5.0	Medium to dark grey sericite schist. Shearing 75° to core. A little interbanded chlorite, grey silica and fine pyrrhotite. Occasional thread of reddish-brown sphalerite, not worthy of assay.												
241.0–296.0	46.5	Light grey, talcose sericite schist. Shearing at 80° to core. About 15% fine pyrrhotite in small patches and threads roughly following the shearing at 80° to core. Several small patches of white quartz.												
296.0–435.0	111.5	Light grey to medium grey sericite schist. Shearing at 80° to core. Small irregular patches of white quartz associated with chlorite and in some cases pyrrhotite. 3 to 5% pyrrhotite is present in the schist in small patches and threads roughly guided by the shearing.												
		End of hole at 435.0												
		Size of core: A X (1 5/16")												
		Recovery for the hole: 68.76%												
		Recovery in mineralization: 100%												
	Note:	Some small garnets present at 400.0, in association with pyrrhotite. R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 39

April 15, 1977

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 217.0 | STARTED June 19, 1954

LATITUDE 50,963.78N 9437.76N | DATUM 4000 | COMPLETED June 25, 1954

DEPARTURE 50,522.41E 9303.23E | BEARING | ULTIMATE DEPTH 334.0 (101.8) 1255.2

ELEVATION 4,193.15 +259 1357.01 m | DIP Vertical hole | PROPOSED DEPTH To test lateral extent of mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-21.0	(6.5)	Casing (overburden)												
21.0-81.0	21.5	Graphitic schist. Shearing at 85° to core. A little interbanded silica and sericite schist, the latter becoming greater in amount from 76.0 to 81.0. Some white quartz patches.												
81.0-132.0	35.0	Dark grey sericite schist. Shearing at 85° to core. A little interbanded graphitic schist.												
132.0-142.1	4.0	Dominantly graphitic schist. A little interbanded dark grey sericite schist.												
142.1-161.0	15.0	Medium to dark grey sericite schist. Shearing at 90° to core. A little interbanded graphitic schist.												
161.0-191.5	9.6	Graphitic schist interbanded with dark grey sericite schist in about equal amounts. Shearing at 80° to 90° to core.												
191.5-196.0	1.4	Dark grey sericite schist. Mainly small fragments.												
	Note:	Change made from AX to EX core at 191.5 due to caving which ~~[illegible]~~ necessitated use of E casing.												
196.0-201.0	1.9	Dark grey sericite schist as in previous section but with more white quartz present.							5026 5027	200-205 205-210				
201.0-217.0	5.4	Fragments of graphitic and sericite schist containing some fine pyrite and a little galena and sphalerite. One sample over section due to low recovery.	5025	16.0			3.25	2.95	5028 5029	210-215 215-220				

DIAMOND DRILL RECORD, HOLE NO. 39

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 217.0 TO 334.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
217.0-251.0	5.9	Fragments of dark grey sericite schist with a little associated graphitic material. Some pieces of white quartz and associated chlorite. A little reddish-brown sphalerite at 246.0, not worthy of assay.												
251.0-261.0	1.7	Fragments of graphitic schist and white quartz. The section from 191.5 to 261.0 is possibly in a shear or fault zone.												
261.0-334.0	21.5	Medium grey sericite schist. Shearing at 50° to the core. About 10% irregular white quartz and a little disseminated pyrrhotite. Some small garnets associated with pyrrhotite at 307.2 and 311.5.												
		End of hole at 334.0												
		Average recovery for the hole: 38.6%												
		Size of core: A X (1 3/16") to 191.5												
		B X (7/8") to 334.0												
		R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 40

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 116.5 | STARTED June 22, 1954

LATITUDE 28,943.70 | DATUM 4000 | COMPLETED June 29, 1954

DEPARTURE 30,919.02 | BEARING | ULTIMATE DEPTH 487.0'

ELEVATION 4,070.60 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
(164') 0.0-54.0		Casing (overburden)												
54.0-54.9	0.9	Dark grey graphitic schist stained with iron oxide Shearing at 85° to core.												
54.9-60.0	4.0	Massive fine pyrite, galena and sphalerite in a siliceous matrix. Several small patches of white quartz-carbonate.	5030	5.1			9.61	7.67						
60.0-64.0	4.0	Massive sulphide mineralization as in previous section.	5031	4.0			9.94	11.40						
64.0-85.0	6.7	Greyish-white sericite schist. Shearing at 50° to core but obscured in part by alteration and white quartz. A little pyrite and several small threads of galena and sphalerite at 84.8.		21'						ppt				
85.0-90.0	4.5	Massive fine pyrite containing sparse galena and sphalerite. Vestiges of sericite schist from 85.0 to 85.8 and from 87.0 to 87.5. Some fine magnetite at 86.3 and 89.0.	5032	5.0			1.99	2.56						
90.0-92.0	2.0	Massive pyritic mineralization as in previous section.	5033	2.0			1.91	1.87						
92.0-96.3	2.5	Some mineralization as previous section but with vestiges of sericite schist present.	5034	4.3			1.85	1.38						
96.3-116.5	15.9	Light grey sericite schist. Shearing at 80° to core obscured in part by silicification and about 5% fine pyrite in small patches. Sparse sphalerite associated with the pyrite - not worthy of assay.		20'										

DIAMOND DRILL RECORD,

HOLE NO. 40

PROPERTY VANGORDA CREEK, Y. T.

Sheet #1 is @ back of DDH #40

SHEET NUMBER 2 SECTION FROM 116.5 TO 202.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
116.5-121.0	4.3	Massive fine pyrite interbanded with light grey sericite schist. A little associated sphalerite; one small patch of magnetite at 118.0.	5035	4.5			1.55	1.18						
121.0-126.0	4.5	Massive pyrite and pyrrhotite. Sparse visible galena and sphalerite. A little white quartz-carbonate.	5036	5.0			2.49	3.14						
126.0-131.0	2.4	Remnants of graphitic schist in a matrix of pyrite, massive in part, grey silica and white quartz.	5037	5.0			0.76	0.98						
131.0-136.0	2.4	Massive fine pyrite with vestiges of graphitic schist.	5038	5.0			1.20	0.59						
136.0-141.0	2.5	Massive pyrite, galena and sphalerite in a silica matrix. Vestiges of graphitic schist present. Core badly broken.	5039	5.0			2.70	2.76						
141.0-146.0	1.6	Core fragments of graphitic schist containing considerable fine pyrite.	5040	5.0			2.87	3.34						
146.0-161.0	10.2	Light grey sericite schist. Shearing at 40° to core. Irregular small patches of fine pyrrhotite. One massive section of pyrrhotite from 155.5 to 156.0. Some small patches of white quartz.												
161.0-202.0	33.5	Light grey sericite schist mottled with patches of white quartz-carbonate. Shearing at 40° to core. Several small patches pyrrhotite and a little pyrite. Massive pyrite, sphalerite and galena from 179.5 to 180.5. Mottled, carbonatised appearance from 196.0 to 202.0.												

DIAMOND DRILL RECORD, HOLE NO. 40

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 202.0 TO 295.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
202.0-265.0	59.2	Medium grey to dark grey sericite schist : slightly talcose. Shearing at 70° to core. About 15% pyrrhotite in irregular patches. Sparse reddish-brown sphalerite.												
265.0-270.0	2.6	Graphitic schist. Shearing at 40° to core. Some interbanded silica and fine pyrite. A little reddish-brown sphalerite in irregular stringers.	5041	5.0			0.03	0.98						
270.0-275.0	5.0	Graphitic schist with an increase of pyrite relative to previous section. Shearing at 40° to core but contorted in part. Pyrrhotite and chalco present.	5042	5.0			0.02	nil						
275.0-281.0	3.0	Same as previous section. Sample taken over 6.0' due to low core recovery.	5043	6.0			0.94	0.88						
281.0-285.0	3.9	Massive fine pyrite containing vestiges of graphitic schist and sparse galena and sphalerite. Relict banding at 70° to core.	5044	4.0			1.16	1.67						
285.0-290.0	3.7	Mineralization same as previous section changing to barren interbanded dark grey sericite schist and graphitic schist from 288.0 to 290.0.	5045	5.0			1.07	0.98						
290.0-295.0	4.0	Dark grey sericite schist changing to massive pyrite from 294.0 to 295.0. Some associated galena, sphalerite and grey silica. Relict banding showing an anticlinal contortion in the plane of the core at 293.0. Sparse pyrrhotite and chalcopyrite.	5046	5.0			1.43	1.38						

DIAMOND DRILL RECORD, HOLE NO. 40

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 295.0 TO 343.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CORE ASSAYS CU.	CORE ASSAYS PB.	CORE ASSAYS ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	SLUDGE ASSAYS CU.	SLUDGE ASSAYS PB.	SLUDGE ASSAYS ZN.
295.0-300.0	4.3	Strong pyrite interbanded with grey silica. Relict banding at 50° to core. A little galena and sphalerite.	5047	5.0			4.62	4.82						
300.0-305.0	2.8	Carbonatized dark grey schist. Some interbanded graphitic schist and a little fine pyrite.	5048	5.0			nil	nil						
305.0-310.0	3.1	Same as previous section with a slight increase in pyrite content.	5049	5.0			TR	nil						
310.0-315.0	5.0 M	Massive pyrite containing irregular sections of grey silica. Vestiges of graphitic schist. Relict banding at 50° to core.	5050	5.0			0.69	1.18						
315.0-319.0	4.0	Interbanded pyrite, silica and graphitic schist. Bands are crenulated and contorted from 317.0- 319.0.	5051	4.0			0.02	0.39						
319.0-326.0	5.8 S	Medium to dark grey sericite schist. Shearing at 80° to core, contorted in part. Several small patches of white.												
326.0-331.0	5.0	Graphitic schist containing considerable interbanded grey silica. Scattered grains of pyrite and pyrrhotite. Shearing at 50° to core. Small crenulated fold at 328.5.	5052	5.0			TR	nil						
331.0-338.0	6.8	Light grey sericite schist. Shearing at 60° to core. Several patches of white quartz containing threads of light brownish-white material. (Scheelite?)												
338.0-343.0	3.6	Fine pyrite and pyrrhotite in a siliceous matrix. Sparse chalcopyrite.	5053	5.0			0.91	1.28						

DIAMOND DRILL RECORD,

HOLE NO. 40

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 5 SECTION FROM 343.0 TO 427.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
343.0-349.0	6.0 M	Massive fine pyrite associated with a little pyrrhotite. Relict banding at 60° to core. Vestiges of graphitic schist.	5054	6.0			1.49	2.70						
349.0-358.0	5.7 G	Graphitic schist. Highly carbonatised. Shearing irregular but averaging about 70° to core. Core broken in part.												
358.0-393.0	14.7 G	Graphitic schist. Shearing at 80° to core. A little interbanded silica and sparse pyrite.												
393.0-398.0	4.3 P	Interbanded graphitic schist and grey silica. About 30% fine pyrite. Sparse pyrrhotite and chalcopyrite.	5056	5.0			0.03	0.20						
398.0-403.0	4.7 P	Graphitic schist containing fine pyrite as above. Shearing at 70° to core.	5057	5.0			0.02	nil						
403.0-408.0	2.5 P	Graphitic schist interbanded with about 40% grey silica. Some fine pyrite throughout.	5058	5.0		/	0.55	0.29						
408.0-413.0	4.2	Graphitic schist with interbanded grey silica. Some disseminated pyrite as in previous sections.	5059	5.0			0.05	0.69						
413.0-418.0	3.9	Same as previous section changing to almost pure silica from 414.7 to 418.0 (quartzite). About 30% pyrite.	5060	5.0			1.03	0.39						
418.0-423.0	3.8	Graphitic schist and silica in crenulated bands. Considerable fine pyrite.	5061	5.0			0.02	0.98						
423.0-427.0	4.0	Same as previous section.	5062	4.0			Tr	0.79						

DIAMOND DRILL RECORD,

HOLE NO. 40

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 6 SECTION FROM 427.0 TO 47 487.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
427.0-432.0	5.0	Cronulated, interbanded graphitic schist and silica. 30% fine pyrite.	5063	5.0			0.30	0.79						
432.0-437.0	5.0	Same as previous section changing to almost pure silica and pyrite from 434.0 to 437.0.	5064	5.0			0.63	0.39						
437.0-442.0	5.0	Graphitic schist finely interbanded with silica. Scattered fine pyrite.	5065	5.0			1.04	0.98						
442.0-487.0	39.7	Light grey sericite schist interbanded with some dark grey sericite schist. Numerous fine quartz-carbonate threads. Shearing at 80° to core but contorted in part. Sparse pyrite.												
		End of hole at 487.0												
		Size of core: A X (1 3/16")												
		Average recovery for hole: 76.6%												
		Recovery in mineralisation: 78%												
		E. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 41

April 15, 1957

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 287.0 | STARTED June 24, 1954

LATITUDE 31,116.12 9484.19N | DATUM 4000 | COMPLETED June 27, 1954

DEPARTURE 30,396.22 9264.76E | BEARING | ULTIMATE DEPTH 348.0

ELEVATION 4,212.11 1362.79 | DIP Vertical hole | PROPOSED DEPTH To test extension of mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-90		Casing (overburden)												
9.0-155.5	87.2	Dark gray sericite schist containing some interbanded graphitic schist. Shearing at 85° to core; quite fissile. Several patches of white quartz containing a little cubic pyrite. Core badly buttoned.												
155.5-163.0	2.4	Light greenish-grey, highly carbonatised sericite schist. Vestiges of interbanded graphitic schist.												
163.0-178.0	3.3	Fragments of graphitic schist.												
178.0-182.0	0	No core.												
182.0-233.0	16.0	Light greenish-grey carbonatized sericite schist. Soft, clay-like texture in part. Some intercalated fragments of graphitic schist, some of which is possibly cave. This section is suggestive of a healed fault zone.												
233.0-283.0	32.7	Light grey to medium grey sericite schist. About 10% pyrrhotite in irregular threads and small patches. Shearing contorted. Some patches of cream-coloured carbonate.												
283.0-287.0	4.0	Medium grey sericite schist containing about 10% pyrrhotite. Sparse reddish-brown sphalerite and chalcopyrite. Shearing at 40° to core.	5055	4.0			0.04	0.49						

DIAMOND DRILL RECORD

HOLE NO. 4

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 287.0 TO 348.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
287.0-291.0	4.0	Sericite schist similar to previous section. The pyrrhotite has a few minute patches of pinkish garnet in association. No visible sphalerite.												
291.0-333.0	24.6	Light to medium grey sericite schist. Shearing less pronounced. Scattered patches of white quartz. Sparse pyrrhotite.												
333.0-348.0	6.3	Same as previous section but with only incipient fissile shearing. A few stringers of white quartz-carbonate.												
		End of hole at 348.0												
		Size of core: AX (1 3/16")												
		Average recovery for hole: 53.2%												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 42

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 155.0 | STARTED June 29, 1954

LATITUDE 28,812.30 | DATUM 4000 | COMPLETED July 2, 1954

DEPARTURE 30,765.25 | BEARING | ULTIMATE DEPTH 336.0

ELEVATION 4,035.48 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-42.0		Casing (overburden)												
42.0-66.0	15.3 S	Light grey to medium grey sericite schist. Slightly talcose. Core broken into buttons in plane of shearing at 80° to core.												
66.0-71.0	1.6 S-M?	Light grey sericite schist. Core badly broken. Several pieces of massive pyrite - pyrrhotite. No visible galena or sphalerite.	5065	5.0			0.38	0.98						
71.0-115.0	14.7 S	Light grey to medium grey sericite schist. Core badly broken. Sparse pyrrhotite and pyrite.												
115.0-135.0	4.6 G	Graphitic schist interbanded with grey silica. Shearing at 80° to core. A little fine pyrite.												
135.0-140.0	5.0 M	Massive pyrite and pyrrhotite associated with a grey silica matrix. A little reddish-brown sphalerite.	5066	5.0			1.51	1.97						
140.0-145.0	5.0 M	Same as previous section. Remnants of silicified sericite schist from 141.3 to 142.5.	5067	5.0			1.93	1.18						
145.0-150.0	5.0 P	Several patches of pyrrhotite-pyrite associated with light grey, talcose sericite schist.	5068	5.0			1.10	0.98						
150.0-155.0	1.6 P	Fragments containing pyrite and greyish-white sericite schist.	5069	5.0			0.72	0.57						

DIAMOND DRILL RECORD, HOLE NO. 42

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 155.0 TO 336.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
155.0-180.0	15.0	Graphitic schist containing a little interbanded dark grey schist. Some white quartz-carbonate. Shearing variable to the core.	50											
180.0-212.0	22.8	Light grey sericite schist. Some threads of chlorite interbanding. Shearing variable but averaging about 50° to core. Shear planes have a talcose feel.												
212.0-215.0	3.0	Graphitic schist interbanded with considerable light grey silica (quartzitic). About 30% fine pyrite.	5070	3.0			1.36	1.97						
215.0-220.0	2.6	Massive pyrite containing small patches and threads of white quartz-carbonate.	5071	5.0			1.02	1.18						
220.0-280.0	38.7	Graphitic schist containing a little interbanded sericite schist and grey silica. Shearing at 60° to core.												
280.0-286.0	2.1	Medium grey, silicified sericite schist.												
286.0-336.0	32.0	Graphitic schist containing about 30% interbanded grey silica. Shearing at 85° to core.												
		End of hole at 336.0												
		Size of core: A X (1 3/16")												
		Core Recovery for hole: 57.5%												
		Core Recovery in Mineralization : 72.1%												
		R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 43

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 129.3 | STARTED June 30, 1954

LATITUDE 28,793.03 | DATUM 4000 | COMPLETED July 4, 1954

DEPARTURE 31,048.04 | BEARING | ULTIMATE DEPTH 340.0

ELEVATION 4,056.0 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-42.0		Casing (overburden)												
42.0 - 54.0	7.2	Light grey to medium grey sericite schist. Core badly broken in to buttons in plane of shearing at 90° to core.												
54.0 - 57.0	M 2.5	Massive pyrite and pyrrhotite containing vestiges of light grey sericite schist.	5072	3.0			1.68	1.47						
57.0 - 61.0	M 1.9	Massive pyrite with about 50% sericite schist remnants.	5073	4.0			1.43	1.18						
61.0 - 66.0	P 5.0	Irregular patches of pyrite and pyrrhotite in light grey sericite schist. A few threads of reddish-brown sphalerite and galena.	5074	5.0			0.58	1.67						
66.0- 71.0	P 2.1	Light grey sericite schist with about 30% pyrite - pyrrhotite patches.	5075	5.0			2.15	5.12						
71.0 76.0	1.0 C	Heavy fine pyrite in fragments of graphitic schist.	5076	5.0			2.23	4.62						
76.0 81.0	M 2.9	Massive pyrite and sparse pyrrhotite. A few threads of white quartz.	5077	5.0			0.80	1.08						
81.0 86.0	M 2.3	Massive pyrite with some associated galena, sphalerite and fragments of light grey sericite schist.	5078	5.0			1.82	4.43						
86.0 113.0	SP 13.8	Light grey sericite schist shearing at 70° to core. Sparse pyrite.												
113.0 - 116.0	P 2.3	Sericite schist containing three patches of massive pyrrhotite. A little pyrite in association. Several threads of sphalerite; sparse chalcopyrite.	5079	3.0			0.02	0.69						
116.0 - 129.3	S 7.3	Light grey sericite schist containing several patches of white quartz - carbonate. Shearing at 80° to core. Sparse pyrite and pyrrhotite.												

DIAMOND DRILL RECORD,

HOLE NO. 43

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 129.3 TO 255.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
129.3	2.7	Massive fine-grained pyrite. Some galena, sphalerite and silica in close association from 129.3 to 130.2.	5080	2.7			2.67	4.62						
132.0	M	Sharp contact with the schist at 129.3.												
132.0 - 137.0	5.0 M	Massive, fine grained pyrite. A few irregular threads of white quartz-carbonate.	5081	5.0			0.94	1.18						
137.0 142.0	5.0 M	Massive fine grained pyrite changing to dominantly pyrrhotite. Some silica and closely associated galena and sphalerite. Mainly pyrrhotite from 140.0 to 142.0	5082	5.0			3.32	4.62						
142.0 - 200.0	38.2 S	Light grey to medium grey sericite schist. Shearing at 50° to core but contorted in part. About 5% pyrrhotite in irregular patches. Several small patches of white quartz-carbonate. The schist is slightly talcose.												
200.0 205.0	5.0 S	Light grey sericite schist. Talcose in part. Shearing at 60° to core.												
205.0 210.0	5.0 PG	Graphitic schist containing about 30% interbanded silica. Shearing contorted and the individual bands crenulated. Considerable fine pyrite.	5083	5.0			0.44	0.69						
210.0 - 214.0	4.0 PG	Graphitic schist containing mineralization similar to previous section	5084	4.0			0.05	0.29						
214.0 250.5	28.0 S	Light grey sericite schist. Strongly talcose and fissile. Shearing at 70° to core but showing local variations. A little interbanded chlorite.												
250.5 - 255.0	4.0 P	Graphitic schist interbanded with grey silica. Some disseminated pyrite. Patches of pyrite pyrrhotite associated with grey silica from 254.0 to 255.0. Several threads of magnetite in the pyrrhotite. Sparse chalcopyrite.	5085	4.5			Tr	nil						

DIAMOND DRILL RECORD, HOLE NO. 49

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 255.0 TO 340.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
255.0 - 260.0	4.0	Patches of massive pyrite and pyrrhotite in grey silica. Vestiges of graphitic schist. Sparse chalcopyrite.	5086	5.0			Tr	nil						
260.0 - 265.0	5.0	Graphitic schist replaced in part by mineralization similar to above.	5087	5.0			0.80	nil						
265.0 - 270.0	5.0	Graphitic schist containing considerable massive pyrite and a little galena. Shearing at 80° to core	5088	5.0			0.77	0.98						
270.0 - 340.0	53.4	Graphitic schist. Shearing at 80° to core. A little interbanded silica. Sparse pyrite.												
		End of hole at 340.0												
		Size of Core: AX (1 3/16")												
		Average recovery: 71.3%												
		Recovery of mineralization: 78.4%												

DIAMOND DRILL RECORD, HOLE NO. 44

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 SECTION FROM 0.0 TO 119.0 STARTED July 3, 1954

LATITUDE 28,920.46 DATUM 4,000 COMPLETED July 9, 1954

DEPARTURE 31,200.57 BEARING ULTIMATE DEPTH 489.0

ELEVATION DIP Vertical Hole PROPOSED DEPTH To cross-section mineralisation.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-59.0	(85)	Casing (overburden)												
59.0 - 64.0	5.0 M	Massive pyrite, galena and sphalerite associated with a fine silica matrix.	5095	5.0			2.58	7.57						
64.0 - 69.0	5.0 M	Mainly massive pyrite with some bands of pyrrhotite galena and reddish-brown sphalerite. A few small quartz patches.	5096	5.0			1.71	1.18						
69.0 - 74.0	5.0 M	Pyrite, pyrrhotite and silica streaked with minor galena and sphalerite. Some magnetite present.	5097	5.0			3.16	1.57						
74.0 - 79.0	5.0 M	Pyrrhotite and pyrite associated with grey silica and vestiges of sericite schist. A little galena and sphalerite.	5098	5.0			1.16	0.88						
79.0 - 84.0	5.0 M	Same as previous section with only sparse galena and sphalerite.	5099	5.0			0.04	0.29						
84.0 - 89.0	5.0 M	Heavily mineralised with pyrite pyrrhotite and magnetite bands. Some silica present as a matrix Vestigial banding at 60° to core.	0001	5.0			0.02	0.69						
89.0 - 94.0	5.0 M	Heavy pyrite mineralisation in a grey silica matrix	002	5.0			0.03	0.20						
94.0 - 99.0	5.0 M	Same as previous section. Relict banding at 50° to core.	003	5.0			0.03	0.10						
99.0 - 104.0	5.0 M	Pyrite and silica similar to previous sections. Sparse Chalcopyrite.	004	5.0			Tr	0.10						
104.0 - 109.0	5.0 M	Pyrite and pyrrhotite associated with grey silica and vestiges of sericite schist.	005	5.0			Tr	0.10						
109.0 - 114.0	5.0 M	Fine grained pyrite admixed with silica. No other sulphide visible.	006	5.0			Tr	Nil						
114.0 - 119.0	5.0 M	Fine pyrite, about 50%, in a silica matrix (silicified sericite schist) Pyrite massive in part.	007	5.0			Tr	Nil						

DIAMOND DRILL RECORD,

HOLE NO. 44

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 119.0 TO 278.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
119.0 - 124.0	5.0	Same as previous section.	008	5.0			Nil	Tr						
124.0 - 129.0	5.0	Pyrite associated with grey silica. Vestiges of sericite schist and a little white quartz present.	009	5.0			0.02	0.02						
129.0 - 134.0	5.0	Same as previous section with some interbanded magnetite, sphalerite and galena from 131.5 to 132.0	010	5.0			0.91	2.16						
134.0 - 139.0	5.0	Heavily mineralized with pyrite in a silica matrix. Some interbanded pyrrhotite - magnetite. Sparse galena and sphalerite.	011	5.0			1.60	4.82						
139.0 - 142.0	3.0	Sericite schist containing interbanded pyrite, massive in part, with some associated galena and sphalerite, the latter reddish - brown.	012	3.0			2.72	7.78						
142.0 - 175.3	23.6	Light grey sericite schist containing a little talc and chlorite. Shearing at 80° to core. Sparse pyrite and pyrrhotite.												
175.3 - 180.0	4.7	Light grey sericite schist well mineralized with pyrite and small patches of magnetite.	013	4.7			nil	0.20						
180.0 - 186.0	6.0	Same as previous section with the pyrite - magnetite massive in part. Some pyrrhotite present.	014	6.0			0.02	0.29						
186.0 - 209.5	20.0	Light grey sericite schist a little talc present. Shearing 70° to core. Sparse pyrite and pyrrhotite.												
209.5 - 273.0	54.0	Medium grey sericite schist. Slight greenish cast due to interbanded chlorite. Scattered pyrrhotite in small patches and threads roughly paralleling the shearing at 60° to core. Several patches of white quartz.												
273.0 - 278.0	5.0	Silicified sericite schist containing about 40% pyrite. Minor associated pyrrhotite, reddish-brown sphalerite and magnetite.	015	5.0			0.36	0.59						

DIAMOND DRILL RECORD,

HOLE NO. 44

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 276.0 TO 334.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
278.0 - 283.0	5.0	Heavy pyrite, pyrrhotite, magnetite and minor sphalerite replacing sericite schist. Relict banding at 80° to core.	016	5.0			0.39	0.49						
283.0 - 288.0	5.0	Interbanded graphitic schist and silica (Quartzitic) containing a little disseminated pyrite.	017	5.0			Nil	0.10						
288.0 - 293.0	5.0	Graphitic schist interbanded with grey silica. Some fine pyrite and a little pyrrhotite present. A horse of talcy sericite schist from 228.0 to 289.0.	018	5.0			Tr	0.29						
293.0 - 298.0	5.0	Pyrite interbanded with greysilica. A little associated pyrrhotite and reddish-brown sphalerite. Banding at 70° to core.	019	5.0			Nil	0.29						
298.0 - 303.0	5.0	Same as previous section. Vestiges of graphitic schist present. Carbonated section from 300.0 to 301.0, associated with white quartz.	020	5.0			0.02	0.10						
303.0 - 319.0	11.8	Light grey sericite schist. Slightly talcose. Shearing 70° to core. Sparse sphalerite at 314.5 and 316.5, not worthy of assay.												
319.0 - 324.0	5.0	Graphitic schist containing some dark gray interbanded sericite schist from 319.0 to 322.0. Some disseminated pyrite.	021	5.0			Tr	0.10						
324.0 - 329.0	5.0	Graphitic schist interbanded with grey silica. Some Disseminated pyrite and threads of reddish-brown sphalerite.	022	5.0			0.80	1.77						
329.0 - 334.0	5.0	Graphitic schist and interbanded silica. Considerable disseminated pyrite.	023	5.0			0.02	1.18						

DIAMOND DRILL RECORD,

HOLE NO. 44

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 334.0 TO 489.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
334.0 - 337.0	3.0	Medium grey sericite schist. Silicified and containing pyrite pyrrhotite and several threads of sphalerite at 336.6	824	5.0			Tr	1.38						
337.0 - 386.0	37.0	Light grey to medium grey sericite schist. Greenish cast due to a little interbanded chlorite. Shearing at 50° to core.												
386.0 - 489.0	37.8	Medium grey sericite schist. Shearing at 30° to core. Several small patches of white quartz with some associated stringers of chlorite.												
		End of Hole: 489.0												
		Size of core: AX (1 3/16")												
		Average recovery: 88.6%												
		Recovery in mineralisation: 100%												

DIAMOND DRILL RECORD, HOLE NO. 45

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 160.0 | STARTED July 5, 1954

LATITUDE 29,528.86N | DATUM 4,000 | COMPLETED July 10, 1954

DEPARTURE 30,686.50E | BEARING | ULTIMATE DEPTH 367.0

ELEVATION 4,076.80 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-95.0		Casing (overburden)												
95.0 - 100.0	1.4	Fragments of massive sulphide mineralization consisting of pyrite and strong galena and sphalerite in a silica matrix. (Possibly a loose piece of rock at bedrock.)	025	5.0			6.63	7.64						
100.0 - 105.0	4.0	Massive sulphide same as previous section. Good galena - sphalerite content.	026	5.0			3.23	8.33						
105.0 - 110.0	5.0	Sharp increase in pyrite relative to the galena and sphalerite.	027	5.0			6.10	9.13						
110.0 - 115.0	5.0	Massive pyrite, galena and sphalerite in a silica matrix. Relict banding at 50° to core.	028	5.0			2.30	8.73						
115.0 - 120.0	5.0	Strong galena and sphalerite directly associated with pyrite and small patches of magnetite.	029	5.0			2.30	8.04						
120.0 - 125.0	2.0	Same mineralization as previous section, with a little less magnetite.	030	5.0			6.91	9.72						
125.0 - 130.0	2.6	Strong galena and sphalerite with pyrite. Relict banding at 40° to core.	031	5.0			1.38	8.93	✓					
130.0 - 135.0	3.8	Same as previous section to 132.5. Horse of chlorite schist, carbonatized from 132.5 to 136.8.	032	5.0			0.02	4.67	✓					
135.0 - 140.0	5.0	Heavy galena and sphalerite associated with pyrite, silica and a little magnetite.	033	5.0			1.84	6.75						
140.0 - 145.0	5.0	Same as previous section with a little pyrrhotite present.	034	5.0			1.50	7.94						
145.0 - 150.0	4.0	Pyrite, silica, galena and sphalerite. One patch of magnetite at 145.2	035	5.0			7.89	7.25						
150.0 - 155.0	3.9	Same as previous section. Several small patches of magnetite at 154.5	036	5.0			4.03	6.16	✓					
155.0 - 160.0	5.0	Same as previous section to 157.0 changing to massive pyrite. A little magnetite and pyrrhotite.	037	5.0			0.92	2.28						

DIAMOND DRILL RECORD, HOLE NO. 45

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 160.0 TO 225.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE SAMPLE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
160.0 - 165.0	5.0	Pyrite, pyrrhotite, galena, sphalerite and magnetite containing vestigial fragments of vestigial sericite schist. Sphalerite reddish-brown in colour.	038	5.0			2.42	3.08	1460					
165.0 - 170.0	5.0	Massive pyrite containing irregular threads and small patches pyrrhotite-magnetite-grey quartz	039	5.0			0.02	0.30						
170.0 - 175.0	5.0	Same as previous section. Sparse galena and sphalerite.	040	5.0			0.58	0.70						
175.0 - 180.0	5.0	Massive fine grained pyrite. Several narrow bands of galena and sphalerite.	041	5.0			1.04	1.29						
180.0 - 185.0	5.0	Massive fine grained pyrite with some interstitial silica.	042	5.0			Tr	Nil						
185.0 - 190.0	5.0	Same as previous section.	043	5.0			Tr	0.30						
190.0 - 195.0	5.0	Same as previous section. A little pyrrhotite present.	044	5.0			Nil	0.10						
195.0 - 200.0	5.0	Several small patches of pyrrhotite in massive pyrite-silica matrix. Sparse chalcopyrite. Remnants of graphitic schist from 198.0 to 200.0	045	5.0			Nil	Nil						
200.0 - 205.0	5.0	Same as previous section. Remnants of graphitic schist from 202.0 to 203.0.	046	5.0			0.02	Nil						
205.0 - 210.0	5.0	Web-like patterns of pyrite and pyrrhotite in a silica matrix. Sparse chalcopyrite.	047	5.0			Tr	0.10						
210.0 - 215.0	5.0	Same as previous section. The pyrite is massive in part	048	5.0			Tr	0.20						
215.0 - 220.0	5.0	Pyrite and silica. Sparse galena and sphalerite.	049	5.0			0.27	0.10						
220.0 - 225.0	5.0	Pyrite and silica containing several small patches of pyrrhotite and magnetite. Sparse galena and sphalerite in direct association with the magnetite.	050	5.0			0.04	0.20						

DIAMOND DRILL RECORD,

HOLE NO. 45

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 225.0 TO 280.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
225.0 - 230.0	5.0	Groundmass of pyrite and silica containing some magnetite stringers. A little galena and sphalerite associated with the latter.	051	5.0			0.04	0.29						
230.0 - 235.0	5.0	Web-like patterns of pyrite and silica containing small patches of white quartz, pyrrhotite, magnetite galena and sphalerite. Sparse chalcopyrite.	052	5.0			0.48	1.38						
235.0 - 240.0	5.0	Same as previous section but showing an increase of magnetite and galena - sphalerite relative to the pyrite.	053	5.0			2.01	4.53						
240.0 - 245.0	5.0	Pyrite and silica heavily mineralized with sphalerite and galena. Magnetite directly associated with sphalerite.	054	5.0			3.14	8.06						
245.0 - 250.0	4.5	Same as previous section	055	5.0			1.90	3.94						
250.0 - 255.0	4.5	Pyrite and silica containing irregular sphalerite galena, magnetite & pyrrhotite.	056	5.0			0.99	2.46						
255.0 - 260.0	5.0	Fine grained closely-associated pyrite, silica, magnetite, pyrrhotite, galena and sphalerite.	057	5.0			1.46	3.25						
260.0 - 265.0	5.0	Same as previous section. Sphalerite has a reddish-brown colour.	058	5.0			1.76	3.64						
265.0 - 270.0	5.0	Assemblage of sulphides as above. Sphalerite prominent in association with magnetite.	059	5.0			3.66	6.69						
270.0 - 275.0	5.0	Same as previous section with an increased amount of silica. A few vestiges of silicified sericite schist.	060	5.0			4.52	4.43						
275.0 - 280.0	5.0	Pyrite and silica containing minor pyrrhotite, galena and sphalerite.	061	5.0			2.67	1.12						

DIAMOND DRILL RECORD,

HOLE NO. 65

PROPERTY VANGORD CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 280.0 TO 367.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
280.0 - 285.0	5.0	Same as previous section with several small magnetite stringers.	062	5.0			1.04	.81						
285.0 - 290.0	5.0	Silicified sericite schist containing about 40% interbanded pyrite. Sparse galena, sphalerite and magnetite.	063	5.0			.44	.40						
290.0 - 295.0	5.0	Medium grey sericite schist containing sulphides as above, with less pyrite. A little associated pyrrhotite. Shearing at 80° to core. The schist is talcose and fissile.	064	5.0			Tr	Tr						
295.0 - 367.0	39.6	Medium grey talcose sericite schist. A little pyrrohtite and pyrite. Shearing fissile at 80° to core. Some short sections are light grey in colour. Massive pyrrhotite from 326.7 to 327.7.												
		End of Hole at: 367.0												
		Average recovery: 82.8%												
		Recovery in mineralisation: 92.9%												
		Size of core: Ax (1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 46

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 90.0 TO 233.6 | STARTED July 10, 1954

LATITUDE 29,249.10 | DATUM 4,000 | COMPLETED July 17, 1954

DEPARTURE 30,659.78 | BEARING | ULTIMATE DEPTH 177.0

ELEVATION 4,092.40 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-90.0		Casing (overburden)												
90.0 - 176.0	27.8	Light grey sericite schist. Shearing at 90° to core. Talcose and containing a little interbanded pyrite and pyrrhotite. Core lost from 95.0 to 130.0.												
176.0 - 181.0	4.5	Dominantly pyrite with some associated quarts and a little reddish-brown sphalerite and galena.	065	5.0			2.81	3.32						
181.0 - 195.0	4.9	Light grey sericite schist with interbanded medium grey sections. Talcose. Core buttoned at 80° to core.		14										
195.0 - 200.0	5.0	Massive pyrite containing some banded sections of magnetite at 50° to core. A little reddish-brown sphalerite.	066	5.0			2.36	2.42						
200.0 - 207.0	1.4	Massive pyrite from 200.0 to 200.8. The remaining 0.6 is fragments of quarts and sericite schist; sample taken over 7.0 rather than 5.0 due to low recovery.	067	7.0			.96	1.31						
207.0 - 212.0	5.0	Massive pyrite from 207.0 to 208.5. Balance of section is silicified and carbonatised sericite schist.	068	5.0			Tr	Tr						
212.0 - 217.0	5.0	Massive pyrite containing some narrow bands of magnetite. Sparse galena and sphalerite.	069	5.0			1.62	1.21						
217.0 - 222.0	5.0	Massive pyrite with less magnetite than previous section.	070	5.0			1.07	1.01						
222.0 - 227.0	4.5	Massive pyrite containing considerable reddish-brown sphalerite and vestiges of graphitic schist.	071	5.0			2.06	3.42						
227.0 - 232.0	4.5	Massive pyrite with vestiges of graphitic schist.	072	4.5			1.39	1.12						
232.0 - 233.6	1.6	Same as previous section with some reddish-brown galena and sphalerite present.	073	1.6			2.67	3.52						

DIAMOND DRILL RECORD,

HOLE NO. 46

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 233.6 TO 440.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
233.6 - 294.0	24.6	Talc-sericite schist containing some thin seams of chlorite. Some white quartz patches and sparse pyrite. Shearing at 80° to core.												
294.0 - 299.0	1.8	Light grey sericite schist, talcose as in previous section. Section of massive pyrite with galena and sphalerite toward end of sample. (Low recovery in the schist)	074	5.0			2.36	3.02						
299.0 - 307.5	5.0	Light grey talcose sericite schist. Shearing at 80° to core.												
307.5 - 310.0	2.5	Pyrite, silica, galena and sphalerite, closely associated.	075	2.5			5.22	8.05						
310.0 - 320.0	10.6	Light grey sericite schist. Talcose. Shearing at 60° to core.												
329.0 - 331.0	2.0	Massive fine pyrite, silica, galena and sphalerite. Relict banding at 80° to core.	076	2.0			4.15	7.04						
331.0 - 375.0	25.9	Medium grey sericite schist. Brecciated, carbonated appearance in part. Core badly broken. White quartz carbonate from 331.0 to 332.5 and from 336.0 to 338.0. Sparse pyrite. A little reddish-brown sphalerite at 332.5 and 333.5.												
375.0 - 405.0	14.3	Graphitic schist. Brittle and finely banded at 80° to core.												
405.0 - 440.0	31.7	Interbanded graphitic and sericite laminations in about equal proportions. Some small irregular patches of pyrrhotite. Shearing at 60° to core but contorted in part.												

DIAMOND DRILL RECORD,

HOLE NO. 46

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
		End of Hole at: 440.0												
		Average recovery: 50.7%												
		Recovery in mineralization: 81.4%												
		Size of Core: Ax (1 3/16")												

DIAMOND DRILL RECORD, HOLE NO. 47

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 155.0 | STARTED July 12, 1954

LATITUDE 29,681.23 | DATUM 4,000 | COMPLETED July 18, 1954

DEPARTURE 30,557.25 | BEARING | ULTIMATE DEPTH 426.0

ELEVATION 4,069.0 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralisation.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-90.0		Casing (overburden)												
90.0-110.0	12.2	Graphitic schist interbanded with grey silica. Shearing at 10° to core. A little fine pyrite.												
110.0-115.0	4.0	Graphitic schist and quartzitic interbanding as in previous section. Some pyrite and a little associated galena and sphalerite.	077	5.0			1.29	2.52						
115.0-120.0	5.0	Graphitic schist same as previous section with shearing crenulated in part.	078	5.0			3.71	3.92						
120.0-125.0	4.5	Graphitic schist as in previous section. Several small patches of white quartz.	079	5.0			2.57	2.92						
125.0-130.0	4.0	Graphitic schist as in previous section to 127.0. Massive pyrite from 127.0 to 130.0. Sparse sphalerite.	080	5.0			4.62	5.43						
130.0-135.0	5.0	Massive pyrite containing a little interbanded galena and sphalerite at 70° to core - controlled by original shearing.	081	5.0			4.16	8.06						
135.0-140.0	5.0	Massive pyrite containing intermittent sections high in reddish-brown sphalerite.	082	5.0			5.52	1.01						
140.0-145.0	5.0	Massive pyrite same as previous section. A little pyrrhotite, magnetite, galena and sphalerite.	083	5.0			2.28	2.52						
		Siliceous breccia from 142.0 to 143.0.												
145.0-150.0	5.0	Same as previous section. Strong magnetite content from 147.0 to 148.5. Vestiges of sericite schist at 149.0.	084	5.0			3.71	1.41						
150.0-155.0	5.0	Massive, closely-associated pyrite, galena, sphalerite and silica containing remnants of silicified sericite schist.	085	5.0			2.06	5.23						

DIAMOND DRILL RECORD,

HOLE NO. 47

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 155.0 TO 230.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
155.0 - 160.0	5.0	Same as previous section with a section of white Quartz from 159.0 to 160.0 which continues to 160.8.	086	5.0			2.67	6.65						
160.0 - 165.0	5.0	Strong galena and sphalerite with pyrite in a silica matrix. Remnants of bleached sericite schist.	087	5.0			2.09	7.05	✓					
165.0 - 170.0	5.0	Massive pyrite containing sections of finely associated pyrite, silica galena and sphalerite. A few small patches of white quartz.	088	5.0			.83	4.23	✓					
170.0 - 175.0	5.0	Fine pyrite, galena sphalerite and silica in close association.	089	5.0			3.60	10.26	✓					
175.0 - 180.0	2.5	Mineralization same as previous section, porous and spongy in part.	090	5.0			1.71	5.44						
180.0 - 185.0	2.5	Irregular patches of reddish-brown sphalerite and grey silica in massive pyrite.	091	5.0			2.42	3.82	✓					
185.0 - 190.0	5.0	Massive pyrite, close-textured containing a little sphalerite and galena.	092	5.0			1.27	7.45						
190.0 - 195.0	5.0	Closely associated pyrite, silica, galena, sphalerite and magnetite.	093	5.0			2.72	7.25						
195.0 - 200.0	5.0	Same as previous section. Relict banding at 80° to core.	094	5.0			2.92	6.65						
200.0 - 205.0	5.0	Sulphide aggregate as in previous two sections.	095	5.0			3.98	7.25						
205.0 - 210.0		Mainly massive pyrite, some galena pyrite and magnetite with silica from 205.0 to 206.0.	096	5.0			1.02	1.81						
210.0 - 215.0	5.0	Massive, closely-knit pyrite. A little associated grey quartz.	097	5.0			Tr	.30						
215.0 - 220.0	5.0	Same mineralization as previous section.	098	5.0			Nil	.10						
220.0 - 225.0	5.0	Massive pyrite containing small patches of grey silica.	099	5.0			.49	Tr						
225.0 - 230.0	5.0	Pyrite and silica as in previous section	100	5.0			Tr	Nil						

DIAMOND DRILL RECORD, HOLE NO. 47

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 230.0 TO 285.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
230.0 - 235.0	5.0	Massive, closely-knit pyrite with small patches of silica as in previous section.	101	5.0			Tr.	.40						
235.0 - 240.0	5.0	Massive pyrite and silica containing a little sphalerite, galena, white quartz. Sparse pyrrhotite and chalcopyrite.	102	5.0			2.09	.81						
240.0 - 245.0	5.0	Pyrite and silica containing a little relatively coarse galena at 241.0 to 241.3. Sparse pyrrhotite and chalcopyrite.	103	5.0			4.15	.60						
245.0 - 250.0	5.0	Pyrite and silica with heavy galena mineralisation from 249.0 to 250.0. Sparse pyrrhotite and chalcopyrite. Sphalerite present with the galena.	104	5.0			13.60	.81						
250.0 - 255.0	5.0	Massive pyrite containing several small patches of magnetite and white quartz.	105	5.0			.11	.60						
255.0 - 260.0	5.0	Banded pyrite and silica at 60° to core. Sparse galena, sphalerite, pyrrhotite and chalcopyrite.	106	5.0			.88	1.11						
260.0 - 265.0	5.0	Strong magnetite patches in pyrite and silica. A little sphalerite with the magnetite.	107	5.0			.33	.30						
265.0 - 270.0	5.0	Heavy streaks of magnetite in pyrite and silica. A little pyrrhotite, sphalerite and chalcopyrite in association with the magnetite. Several patches of white quartz.	108	5.0			.33	1.01						
270.0 - 275.0	5.0	Pyrite and silica containing irregular bands and patches of magnetite, pyrrhotite and some dark brown sphalerite.	109	5.0			1.21	1.41						
275.0 - 280.0	5.0	Same as previous section with sparse greenish mineral suggestive of epidote.	110	5.0			1.50	3.62						
280.0 - 285.0	5.0	Closely associated pyrite, pyrrhotite, galena sphalerite, magnetite and silica.	111	5.0			1.84	8.06						

DIAMOND DRILL RECORD,

HOLE NO. 47

PROPERTY VALDORA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 284.0 TO 426.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
285.0 - 290.0	5.0	Pyrite, silica galena and sphalerite in uniform fabric and grain size.	112	5.0			2.65	8.46	✓					
290.0 - 295.0	5.0	Pyrite and silica with decreasing amount of galena and sphalerite relative to previous section. A little pyrrhotite and chalcopyrite.	113	5.0			2.65	2.01						
295.0 - 300.0	5.0	Pyrite and silica in about equal amounts. Sparse pyrrhotite, chalcopyrite and magnetite.	114	5.0			.50	1.21						
300.0 - 305.0	5.0	Pyrite and silica as in previous section. Schist banding at 60° to core.	115	5.0			.60	1.21						
305.0 - 347.0	42.0	Light grey sericite schist interbanded with a little chlorite. Shearing at 60° to core. Scattered small patches of pyrite. Sparse sphalerite at 312.8 and 322.6. A little white quartz carbonate.												
347.0 - 426.0	61.5	Light grey sericite schist as in previous section but with an increased talc content. Sections containing patches of white quartz have chlorite at the edges. One patch of massive pyrrhotite from 411.0 to 412.5. Shearing at 75° to core.												
		End of Hole : 426.0												
		Size of core AX (1 3/16")												
		Average recovery for hole: 88.8%												
		Recovery in mineralization: 93.6%												

DIAMOND DRILL RECORD,

HOLE NO. 48

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 237.0 | STARTED July 17, 1954

LATITUDE 29,546.81 9005.87 | DATUM 4,000 | COMPLETED July 25, 1954

DEPARTURE 30,131.22 9183.99 | BEARING | ULTIMATE DEPTH 381.0

ELEVATION 4,051.04+259 1313.71 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-120.0 (36.6)		Casing (overburden)												
120.0 - 169.0	8.0	Medium grey sericite schist. Mainly fragments, but short sections show shearing at 80° to core.												
		Recovery low due to fissile, flakey nature of the schist. White quartz from 168.0 to 169.0. No evidence of sulphide.												
169.0 - 170.5	1.5	Massive pyrrhotite containing a little pyrite, galena and sphalerite in association.	171	1.5			2.92	2.11						
170.5 - 189.3	4.8	Dark grey talc-sericite schist. A few small patches of white quartz-carbonate shearing at 50° to core.												
189.3 - 194.0	4.4	Several patches of magnetite in pyrite. A little associated galena and sphalerite. Vestiges of schist present.	172	4.7			3.66	3.72						
194.0 - 199.0	3.1	Fine pyrite containing small patches and stringers of magnetite. Relict banding at 50° to core. Sparse Galena and sphalerite.	173	5.0			3.66	3.62						
199.0 - 204.0	5.0	Same mineralization as previous section. Slight increase in galena-sphalerite content.	174	5.0			3.05	2.72						
204.0 - 212.0	1.7	Banded pyrite, magnetite and sparse sphalerite for 1.2 feet from 204.0. Balance of the run has high core loss in sericite schist. Sample taken over 8.0 feet due to high core loss.	175	8.0			2.72	2.52						
212.0 - 231.4	4.9	Light grey sericite schist. Fissile shearing at 70° to core. Core buttoned.												
231.4 - 237.0	1.9	Light grey kaolinised sericite schist containing pyrite and magnetite bands paralleling the shearing at 80° to core. Sparse galena and sphalerite. Sample taken over 5.6 to block at 237.0 due to low recovery.	176	5.6			1.15	2.32						

DIAMOND DRILL RECORD, HOLE NO. 48

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 237.0 TO 381.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
237.0 - 270.0	14.0	Medium grey sericite schist. Mottled in part with white quartz. Reduced core size to Fx at 259.3, due to caving.												
270.0 - 275.0	3.5	Medium grey sericite schist containing scattered pyrite grains. No visible galena or sphalerite.	177	5.0			.30	.30						
275.0 - 280.0	4.2	Medium grey sericite schist with pyrite grains as in previous section.	178	5.0			.39	.30						
280.0 - 285.0	5.0	Medium grey sericite schist, silicified and replaced by about 40% fine pyrite. A little magnetite in association with the pyrite.	179	5.0			.39	.10						
285.0 - 290.0	5.0	Medium grey sericite with pyrite as in previous section. Some pyrrhotite present with the pyrite. Shearing at 80° to core.	180	5.0			.30	.10						
290.0 - 295.0	5.0	Light grey sericite schist. Some pyrite and chlorite present. Talcose in part.	181	5.0			.28	.10						
295.0 - 318.0		Light grey talc sericite schist. Shearing, fissile at 80° to core. Some graphitic interbanding from 317.0 to 318.0												
318.0 - 320.5	2.5	Graphitic schist interbanded with pyrite, massive in part, sphalerite and sparse galena and magnetite.	182	2.5			3.75	5.03						
320.5 - 336.0	7.5	Dark grey sericite schist interbanded with minor graphitic schist. Some pyrrhotite and pyrite from 325.0 to 326.0, not worthy of assay.												
336.0 - 381.0	23.0	Light grey sericite schist. Talcose in part. Shearing at 80° to the core.												

DIAMOND DRILL RECORD,

HOLE NO. 48

PROPERTY VANDORDA CREEK, Y. T.

SHEET NUMBER #3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
		End of hole: 381.0												
		Average recovery: 40.2%												
		Recovery in mineralization: 74.7%												
		Size of core: Ax (1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 49

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 133.0 | STARTED July 18, 1954

LATITUDE 29,226.05 | DATUM 4000 | COMPLETED July 23, 1954

DEPARTURE 30,945.41 | BEARING | ULTIMATE DEPTH 361.0

ELEVATION 4,110.12 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE SAMPLE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-18.0		Casing (overburden)												
18.0-121.0	3.0	Massive closely-knit sulphides consisting of pyrite galena and sphalerite in a silica matrix.	125	3.0			3.81	9.06	132	120-125	4'		1.46	3.52
									133	125-130			1.35	1.62
121.0-125.0	0.4	Three fragments of light grey sericite schist with one button of sulphides similar to previous section. See sludge sample for this section.							134	130-135	1'		1.38	2.52
									135	135-140	5'		.63	1.01
125.0-130.0	4.5	Light grey schist from 125.0 to 125.5. Balance of section is massive pyrite containing several streaks of galena and sphalerite. Some vestiges of sericite schist.	126	5.0			1.65	3.22	136	140-145	5'		.52	.60
									137	145-150	1'		.96	.71
130.0-133.0	2.1	Massive, closely-knit pyrite with a little associated pyrrhotite and silica.	127	3.0			2.01	3.02						
133.0-141.0	1.1	Fragments of dark grey sericite schist. One button containing streaks of sphalerite. See sludge samples.												
141.0-146.0	1.2	From 141.0 for 1/3 of the short recovery, dark grey sericite schist with streaks of sphalerite. Balance of sample is massive pyrite with fragments of graphitic schist.	128	5.0			1.29	1.41						
146.0-151.0	5.0	Massive pyrite containing streaks of galena and sphalerite roughly parralleling vestigial banding at 70° to core. Several patches of grey quartz-carbonate.	129	5.0			.72	.60						
151.0-156.0	5.0	As in previous section with increased galena and sphalerite content. A little magnetite.	130	5.0			3.34	5.64						

DIAMOND DRILL RECORD, HOLE NO. 49

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 156.0 TO 381.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
156.0-206.0	25.2	Medium grey to dark grey sericite schist. Talcose in part, shearing at 80° to core. Several small patches of white quartz. Possibly a little interbanded graphitic material from 192.0 - 196.0.												
206.0-239.0	29.9	Light grey sericite schist containing irregular sections of medium grey schist. Greenish cast, in part, due to chlorite interbanding. Scattered small patches of pyrrhotite; sparse white quartz.												
239.0-241.2	2.2	Massive, fine grained sulphides consisting of pyrite Galena and sphalerite in a silica matrix. Brownish colour due to the presence of sphalerite.	131	2.2			3.81	6.45						
241.2-361.0	108.7	Light grey to medium grey sericite schist. Scattered small patches of pyrrhotite and white quartz. Sparse pyrite. Shearing at 70° to core.												
361.0-381.0	8.3	Talc-sericite schist. Shearing at 80° to core. A little interbanded chlorite, pyrrhotite and sparse cubic pyrite.												
		End of hole at 381.0												
		Average recovery: 74.8%												
		Recovery in mineralisation: 81.6%												
		Size of core: A X (1 3/16")												
		R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 90

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 139.0 | STARTED July 19, 1954

LATITUDE 29,379.06 | DATUM 4000 | COMPLETED July 24, 1954

DEPARTURE 30,813.34 | BEARING | ULTIMATE DEPTH 325.0

ELEVATION 4,092.02 | DIP Vertical | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-107.0		Casing (overburden)												
107.0-112.0	3.2	Massive pyrite containing some irregular sections of galena, sphalerite and silica. Relict banding at 45° to core.	138	5.0			2.25	4.63						
112.0-117.0	2.5	Increase in galena, sphalerite and silica relative to the pyrite.	139	5.0			11.28	10.86						
117.0-119.0	1.5	Same as previous section. Some remnants of siliceous cream-coloured breccia.	140	2.0			4.26	4.63						
119.0-124.0	3.4	Massive pyrite with irregular threads of magnetite.	141	5.0			.72	.91						
124.0-129.0	5.0 / 15.6	Massive pyrite containing irregular seams of magnetite. Spares galena and sphalerite. Vestiges of kaolinised sericite schist.	142	5.0			2.72	4.02						
129.0-133.0	2.8	Massive pyrite containing some porous fractures. Some associated magnetite. Strong galena-sphalerite content from 132.0 to 133.0	143	4.0			2.01	4.93						
133.0-136.0	1.5	Massive pyrite. Porous, brecciated appearance due to probable crushing and healing. Low recovery also partly due to porosity.	144	3.0			1.46	4.22						
136.0-139.0	0.9	Same type of pyrite as in previous section - low recovery.	145	3.0			1.32	2.11						

DIAMOND DRILL RECORD,

HOLE NO. 50

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 139.0 TO 220.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
139.0-144.0	5.0	Massive, vuggy pyrite in part; well mineralised with galena and sphalerite between 140.0 and 142.0.	146	5.0			2.42	5.63	✓					
144.0-149.0	1.0	Massive vuggy pyrite having high core loss due to porosity and brecciation.	147	5.0			1.46	2.52						
149.0-154.0	2.4	Fine-grained aggregate of pyrite, silica, galena and sphalerite. Relict banding at 45° to core.	148	5.0			4.38	6.74	165	150-155			1.90	2.01
154.0-160.0	1.2	Patches of vuggy pyrite in white quartz-carbonate. Sludges sent due to low core recovery.	149	6.0			3.69	7.14	166	155-160			.57	1.21
160.0-165.0	5.0	Fine grained, closely-knit pyrite, sphalerite, galena and silica. Purplish cast due to sphalerite.	150	5.0			3.36	7.84						
165.0-170.0	3.3	As in previous sections with vestiges of kaolinized sericite schist.	151	5.0			3.92	6.74						
170.0-175.0	4.6	Pyrite, galena, reddish-brown sphalerite and silica in a closely knit fabric as in previous two sections.	152	5.0			4.49	8.85	✓					
175.0-180.0	5.0	Massive pyrite containing streaks of magnetite and vestiges of sericite schist. Some sphalerite, galena and silica present from 175.0- 176.0.	153	5.0			2.65	3.32						
180.0-183.8	3.8	Massive pyrite from 180.0 to 181.5 changing to pyrite pyrrhotite and threads of reddish-brown sphalerite in silicified graphitic schist.	154	3.8			4.03	8.05						
183.8-220.0	16.4	Light grey sericite schist. Talcose in part. Shearing at 40° to core. A little pyrrhotite interbanded in the shearing.												

DIAMOND DRILL RECORD,

HOLE NO. 80

PROPERTY VANGUARD CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 220.0 TO 279.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
220.0-225.0	2.9	Pyrite, silica, galena and sphalerite in relict banding at 60° to core.	155	5.0			3.69	5.23						
225.0-230.0	2.7	Graphitic schist interbanded with grey silica. Pyrite present with sparse sphalerite.	156	5.0			2.08	4.03						
230.0-235.0	1.8	Graphitic schist. Some disseminated pyrite. Shearing contorted.	157	5.0			1.49	2.52	✓					
235.0-246.0	2.7	Medium grey sericite schist fragments. A little white quartz. Sludges sampled over this section.							167	235-240	Slc		.80	1.91
									168	240-245	Slc		.34	.80
246.0-251.0	3.5	Massive pyrite containing bands of magnetite. Some interbanded galena, sphalerite and silica.	158	5.0			6.53	6.53	169	245-250			2.74	4.72
251.0-255.0	4.0	Massive pyrite with irregular patches of galena, sphalerite and silica.	159	4.0			3.69	4.22	Sludges small in above samples due to weak water return.					
255.0-260.0	5.0	Massive pyrite. Two small patches of combined galena, sphalerite, silica and magnetite.	160	5.0			1.85	3.32						
260.0-265.0	5.0	Massive pyrite containing several bands of galena and sphalerite in relict shearing at 50° to core.	161	5.0			1.85	2.82						
265.0-270.0	1.6	Massive pyrite with minor pyrrhotite and magnetite.	162	5.0			2.54	4.12	170	265-275			1.54	2.42
270.0-275.0	5.0	Massive pyrite with several small patches of galena-sphalerite. A few magnetite threads.	163	5.0			1.62	2.52	Sludge (above) small due to weak water return.					
275.0-279.0	4.0	Massive pyrite combined with pyrrhotite. Dominantly pyrrhotite toward end of sample.	164	4.0			.11	.20						

DIAMOND DRILL RECORD, HOLE NO. 50

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 279.0 TO 325.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
279.0-325.0	29.0	Light grey to medium grey sericite schist. Talcose in part. Shearing at 40° to core. Fissile and soft.												
		End of hole at 325.0												
		Change from A X (1 3/16") to E X (7/8") core at 201.0 due to caving.												
		Average recovery: 62.2%												
		Recovery in mineralisation: 70.2%												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 51

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 76.0 | STARTED July 24, 1954

LATITUDE 28,190.44 | DATUM 4000 | COMPLETED July 27, 1954

DEPARTURE 30,673.93 | BEARING | ULTIMATE DEPTH 295.0

ELEVATION 4,049.97 | DIP Vertical hole | PROPOSED DEPTH To test magnetic anomaly

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-27.0	(4.2')	Casing (overburden)												
27.0-28.5	1.5	Casing core (BX) at bedrock. Massive pyrite with vestigial banding at 60° to core. Some magnetite and a little sphalerite - galena following the banding planes. Magnetite partly in attenuated patches.	183	1.5			2.53	2.42			-			
28.5-33.5	3.0	Same mineralization as in previous section. Some reddish-brown sphalerite bands in minor amount. Magnetite in irregular patches as well as following the banding.	184	5.0			3.03	1.71	188	30-35			.57	1.51
33.5-38.5	3.0	Same as previous section. Magnetite has an "augen" appearance in the banding. (in part).	185	5.0			.69	1.11	189	35-40			.17	.15
38.5-45.0	3.0	Banded pyrite at 45° to core containing some magnetite and sparse galena and sphalerite. Sample taken over 6.5 to block at 45.0, due to low core recovery.	186	6.5			2.17	.50	190	40-45			.86	1.61
45.0-51.0	2.1	Fragments of mineralization similar to above. Sample taken over 6.0 due to low core recovery.	187	6.0			1.62	1.01	191	45-50			1.20	1.21
51.0-66.0	2.9	Dark grey sericite schist fragments showing a little interbanded graphitic schist. Shearing at 80° to core.							192	50-55			.19	.15
66.0-71.0	0	No recovery.							193	55-60			.23	.10
71.0-76.0	0.3	Quartz-carbonate fragments containing remnants of graphitic schist. Appears to be a zone of alteration too soft to core.												

DIAMOND DRILL RECORD, HOLE NO. 51

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 76.0 TO 295.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
76.0-86.0	0	No core. Rock washed out as sludge. Soft alteration material indicated.												
86.0-101.0	1.5	Brittle fragments of graphitic schist. Very black with no interbanded silica. Shearing at 0° to 10° to core.												
101.0-135.0	17.0	Dark grey talcose sericite schist containing a little interbanded graphitic material. Shearing at 50° to core.												
135.0-151.0	4.5	Dark grey talcose sericite schist. Shearing at 50° to core.												
151.0-295.0	43.5	Graphitic schist. Shearing at 70° to 80° to core. Brittle carbonaceous, with very little interbanded silica. Sparse pyrite.												
		End of hole at 295.0 Recovery for hole: 30.7% Recovery in mineralisation 52.5% Size of core: A X (1 3/16")												
		Please note: The sludges, other than 188 to 193 inclusive which were sent for assay, do not show any sulphide mineralisation worthy of assay. Sparse pyrite grains occur in the sections from 75 to 80 and from 85 to 90.												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 52

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 140.0 | STARTED July 25, 1954

LATITUDE 29,073.78 | DATUM 4000 | COMPLETED July 31, 1954

DEPARTURE 31,071.61 | BEARING | ULTIMATE DEPTH 550.0

ELEVATION 4,107.42 | DIP Vertical hole | PROPOSED DEPTH To cross section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-105.0		Casing (overburden)												
105.0-110.0	4.0 M	Massive pyrite with a few streaks of reddish-brown sphalerite and galena, following relict banding at 70° to core.	194	5.0			6.42	6.53						
110.0-115.0	5.0 M	Same as previous section with increased galena and sphalerite. Fine silica matrix with the sulphides. Quartz-carbonate and veinlets of sericite schist from 118.0 to 119.2 .	195	5.0			4.83	8.25						
115.0-120.0	5.0 M	Prominent galena - sphalerite content in association with pyrite and silica. Reddish-brown cast to sphalerite. Relict banding at 40° to core.	196	5.0			4.04	10.15						
120.0-125.0	4.6 M	Well mineralized pyrite, galena, sphalerite and silica from 120.0 to 123.5. Semi-porous, granular pyrite from 123.5 to 125.0.	197	5.0			2.71	6.74						
125.0-130.0	MV 2.6	Porous granular pyrite. Recovery low due to this characteristic. Several small patches of white quartz.	198	5.0			1.31	1.01						
130.0-135.0	5.0 MV	Loosely-knit fine pyrite. One section from 130.5 to 131.5 showing good reddish-brown sphalerite and galena mineralization; silica in the interstices.	199	5.0			1.20	3.02						
135.0-140.0	5.0 M	Massive closely-knit pyrite with a silica matrix. A few rice-sized patches of magnetite. Galena or sphalerite not seen.	200	5.0			.29	.30						

DIAMOND DRILL RECORD,

HOLE NO. 52

PROPERTY VARGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 140.0 TO 187.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
140.0- 145.0	5.0	Massive fine pyrite, porous from 142.0 to 143.0. Silica matrix with the pyrite. A little galena and magnetite.	201	5.0			.49	.30						
145.0- 150.0	4.2	Considerable magnetite in pyrite from 145.0 to 147.0 Pyrite with galena and sphalerite in silica matrix in remainder of sample. Relict banding at 85° to core	202	5.0			3.02	4.22						
150.0- 155.0	M 4.3	Pyrite, galena and sphalerite, the latter two decreasing toward end of sample.	203	5.0			2.45	4.83						
155.0- 160.0	M 4.3	Pyrite and silica in a hard, brittle texture.	204	5.0			.54	.20						
160.0- 165.0	M 4.8	Same as the previous section with vestiges of graphitic schist present.	205	5.0			.14	.40						
165.0 170.0	M - P 5.0	Pyrite, silica and vestiges of graphitic schist in about equal amounts.	206	5.0			.04	mil						
170.0- 175.0	5.0	Irregular patches of siliceous matrix in association with fine pyrite. Magnetite or pyrrhotite not visible	207	5.0			.26	.30						
175.0- 180.0	5.0	Pyrite and silica in closely-associated equigranular patterns. Fracturing at 80° to core.	208	5.0			1.05	1.61						
180.0- 185.0	M 5.0	Massive closely-knit pyrite with several small patches of grey silica.	209	5.0			.49	.10						
185.0- 187.0	M 2.4	Massive pyrite as in previous section.	210	2.4			.23	mil						

DIAMOND DRILL RECORD,

HOLE NO. 52

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 187.0 TO 375.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
187.0-253.0	48.2	Light grey to medium grey sericite schist. Talcose in part. Pearly lustre on shear planes at 70° to core. Some fine interbanded pyrrhotite, and sparse chalcopyrite. From 219.0 to 220.5 there is about 40% pyrrhotite with some poikilitic pyrite - not worthy of assay. Several small patches of white quartz.												
253.0-347.0	77.2	Light grey talc-sericite schist. A little interbanded chlorite. Sparse pyrrhotite. One thread of sphalerite at 251.8. Shearing at 80° to core. About 20% pyrrhotite between 298.0 and 306.0.												
347.0-352.0	5.0 P	Graphitic schist with interbanded silica. Shearing cremulated and replaced by considerable fine pyrite, which is massive in part. Several threads of reddish-brown sphalerite.	211	5.0			.57	.61						
352.0-357.0	2.3 P	Graphitic schist containing some interbanded silica and sericite schist. Shearing at 70° to core, but contorted in part. Some pyrite and reddish-brown sphalerite present.	212	5.0			.02	nil						
357.0-360.0	2.6 P	Graphitic schist with mineralization similar to previous section.	213	3.0			.31	1.11						
360.0-370.0	10.0	Light grey sericite schist. Shearing at 80° to core. Some interbanded pyrrhotite in the shear planes.												
370.0-375.0	3.8 P	Graphitic schist with interbanded silica and pyrite. Shearing at 50° to core.	214	5.0			.40	.57						

DIAMOND DRILL RECORD,

HOLE NO. _____

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM ~~375.0~~ TO ~~550.0~~ STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
375.0-380.0	5.0	Graphitic schist with considerable silica which heals broken sections of the graphitic material. About 10% fine pyrite; a little associated sphalerite.	215	5.0			.94	1.81						
380.0-385.0	1.7	Graphitic schist interbanded with grey silica and pyrite.	216	5.0			1.25	1.81						
385.0-390.0	5.0	Graphitic schist as in previous section to 386.5. Silicified sericite schist with considerable pyrrhotite, a little chalcopyrite and sparse sphalerite to 390.0.	217	5.0			.43	1.21						
390.0-395.0	5.0	Light grey, silicified sericite schist with pyrrhotite, chalcopyrite and sparse sphalerite as in previous section.	218	5.0			.40	1.01						
395.0-400.0	5.0	Sericite schist with mineralization similar to previous section.	219	5.0			.37	2.32						
400.0-465.0	40.8	Medium grey sericite schist with a little disseminated pyrrhotite. About 20% pyrrhotite between 443.0 and 449.0; sparse chalcopyrite.												
465.0-550.0	48.8	Medium grey talo-sericite schist. Greenish cast due to a little interbanded chlorite. Fissile shearing at 85° to core. Several small patches of white quartz.												
		End of hole at 550.0 Average recovery - 75.6% Recovery in mineralization 89.0% Size of core; A X (1 3/16")												

DIAMOND DRILL RECORD, HOLE NO. 53

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 316.0 | STARTED July 27, 1954

LATITUDE 29,400.18 | DATUM 4000 | COMPLETED August 3, 1954

DEPARTURE 30,529.37 | BEARING | ULTIMATE DEPTH 512.0

ELEVATION 4,074.77 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-130.0	(39.6)	Casing)overburden)												
130.0-182.0	21.9	Dark grey sericite schist. Pearly lustre on shear planes at 80° to core. A little interbanded graphitic schist.												
182.0-204.0	12.6	Light grey sericite replaced by considerable white quartz-carbonate. One 2" section of pyrite, galena and sphalerite at 190.3.												
204.0-209.0	3.9	Well mineralised with fine pyrite, silica and considerable galena and sphalerite in close association.	253	5.0			18.01	12.68						
209.0-253.0	12.0	Dark grey sericite schist containing a little interbanded graphitic schist. Shearing at 80° to core.												
253.0-256.3	3.3	Massive fine pyrite with streaks of reddish-brown sphalerite, galena and vestiges of graphitic and sericite schist.	254	3.3			2.79	4.13						
256.3-296.3	9.2	Light grey to medium grey sericite schist, talcose in part. Shearing at 80° to core, buttoned in part.												
296.3-301.0	4.5	Fine pyrite and silica with vestigial banding at 30° to core. Some galena and sphalerite in association. Remnant of bleached sericite schist from 297.5 to 298.9.	255	4.7			1.51	6.14						
301.0-306.0	5.0	Massive pyrite and silica containing vestiges of sericite schist. A little galena and sphalerite.	256	5.0			1.23	6.64						
306.0-311.0	5.0	Pyrite, silica, galena and sphalerite in close association. Vestiges of bleached sericite schist.	257	5.0			1.68	6.44						
311.0-316.0	5.0	Same as previous section. Fine sugary texture.	258	5.0			4.93	8.05						

DIAMOND DRILL RECORD, HOLE NO. 53

PROPERTY VANGORDA CREEK, I.P.

SHEET NUMBER 2 SECTION FROM 316.0 TO 462.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
316.0 321.0	5.0	Same as previous sections. Sphalerite grains reddish-brown in colour.	259	5.0			3.82	7.45						
321.0 336.3	3.3	Fragments of dark grey sericite schist and quartz. No evidence of sulphide-possible fault zone, of low recovery due, to gouge.		15.0										
336.3 - 340.1	3.8	Pyrite and silica well mineralized with galena and sphalerite, the latter reddish-brown in colour.	260	3.8			3.02	9.36						
340.1 - 427.0	72.4	Light grey to medium grey sericite schist with a little interbanded chlorite. Scattered small patches of white quartz. A little pyrrhotite from 381.0 to 387, with sparse associated chalcopyrite. Shearing at 65° to core. Sparse pyrrhotite from 390.0 to 417.0, in irregular small threads.												
427.0 - 437.0	9.8	Light grey sericite schist containing sparse pyrite. Shearing at 60° to core.												
437.0 - 442.0	2.0	Graphitic schist and interbanded silica replaced by about 50% fine pyrite.	261	5.0			0.03	nil						
442.0 - 447.0	5.0	Massive fine-grained pyrite containing remnants of graphitic schist.	262	5.0			0.02	nil						
447.0 - 452.0	5.0	Patches of fine pyrite and pyrrhotite in brecciated carbonate matrix. Graphitic schist with interbanded pyrite and silica from 450.0 to 452.0.	263	5.0			0.02	nil						
452.0 - 459.3	2.5	Graphitic schist, broken in buttons on the shear planes at 60° to core. Sparse fine pyrite, not worthy of assay.												
459.3 462.0	2.7	Patches of fine pyrite in partially replaced quartz carbonate. Several small patches of magnetite.	264	2.7			0.11	nil						

DIAMOND DRILL RECORD,

HOLE NO. 53

PROPERTY VANGORDA CREEK, Y.T.

SHEET NUMBER 3 SECTION FROM 462.0 TO 512.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
462.0 - 467.0	5.0	Massive pyrite with several small, irregular patches of magnetite an vestiges of graphitic schist.	265	5.0			0.60	0.40						
467.0 - 470.4	3.4	Massive pyrite and pyrrhotite containing vestiges of partially replaced quartz-carbonate and graphitic schist. A little interbanded magnetite in relict banding at 80° to core.	266	3.4			0.60	0.60						
470.4 - 512.0	12.4	Graphitic schist. Carbonaceous and brittle with a little interbanded silica. Shearing at 80° to core. Sparse pyrite and pyrrhotite. One patch of fine barren pyrite and silica from 491.0 to 491.4.												
		End of Hole at: 512.0												
		Average recovery: 56.5%												
		Recovery in mineralization: 93.2%												
		Size of core: Ax(1 3/16")												
		Please Note: Caving took place in the hole over the last thirty feet in the brittle, carbonaceous graphitic schist. It is possible that some of the pieces of schist recovered over this section are in duplication.												

DIAMOND DRILL RECORD,

HOLE NO. 54

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 101.0 | STARTED July 28, 1954

LATITUDE 27,924.52 | DATUM 4000 | COMPLETED July 31, 1954

DEPARTURE 31,296.99 | BEARING | ULTIMATE DEPTH 360.0

ELEVATION 4,077.10 | DIP Vertical hole | PROPOSED DEPTH To test magnetic anomaly

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-26.8		Casing (overburden)												
26.8-45.0	1.7	Fragments of pyrite containing irregular small patches of magnetite.							234	35-40			1.28	mil
45.0-50.0	4.1	Massive pyrite containing small patches of magnetite elongated in the banding at 55° to core. Sparse galena and sphalerite.	220	5.0			3.99	3.82	235	40-45			1.84	1.90
									236	45-50	n.a		~~mil~~	~~0.90~~
50.0-54.0	3.8	Massive, closely-knit pyrite with magnetite as in previous section.	221	4.0			1.66	1.61	237	50-55	n.a		~~mil~~	~~0.44~~
54.0-59.0	5.0	Pyrite, silica, galena and sphalerite showing relict banding from 57.0 to 59.0 at 50° to core. About 20% magnetite from 54.0 to 55.5.	222	5.0			2.28	2.52	238	55-60	n.a			
59.0-64.0	4.1	Massive pyrite with small patches of magnetite. Remnants of graphitic schist from 63.0 to 64.0.	223	5.0			1.45	1.31	239	60-65	n.a			
64.0-69.0	2.2	Fragments of silicified graphitic schist containing a little pyrite.	224	5.0			.03	.31	240	65-70			mil	0.30
69.0-74.0	2.9	Scattered pyrite grains in a siliceous matrix; massive in part.	225	5.0			Tr	mil	241	70-75			mil	0.41
74.0-79.0	2.6	Same as previous section but mostly in fragments.	226	5.0			Tr	.26						
79.0-101.0	6.0	Fragments of dark grey sericite schist. Pearly lustre on shear planes.							242	75-80			mil	0.30

DIAMOND DRILL RECORD,

HOLE NO. 54

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 101.0 TO 271.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
101.0-103.0	2.0	Patches of arsenopyrite in white quartz, with vestiges of sericite schist. Sampled for Au only.	227	2.0			Tr	mil						
103.0-108.0	5.0	Massive pyrite with some interbanded magnetite in relict banding at 50° to core. Some fine galena and sphalerite.	228	5.0			4.11	3.22	✓					
108.0-114.0	5.4	Banded pyrite, magnetite and a little sphalerite and galena at 80° to core.	229	6.0			3.90	5.93	✓ 243	105-110	n.a			
						—			244	110-115	n.a			
114.0-140.0	9.2	Graphitic schist interbanded with some dark grey sericite schist. Mainly fragments; shearing at 60° to core.							245	115-120	n.a			
140.0-145.0	1.3	Massive closely-knit pyrite with a little silica.	230	5.0			.66	.71	246	120-125	n.a			
145.0-150.0	2.0	Massive pyrite and silica containing short sections of interbanded graphitic schist.	231	5.0			.31	.30	247	125-130	n.a			
									248	130-135	n.a			
150.0-155.0	2.0	Same mineralization as previous section.	232	5.0			.04	.61	249	135-140	n.a			
155.0-165.0	1.3	Graphitic schist, silicified and containing a little pyrite. Not worthy of assay. Mainly fragments.							250	140-145			0.33	0.10
165.0-258.0	58.5	Graphitic schist. Carbonaceous and brittle with a little interbanded silica. Shearing at 80° to core.							251	145-150			0.23	0.80
									252	150-155			mil	1.38
258.0-271.0	2.6	Dark grey sericite schist interbanded with graphitic schist. Core badly broken on the shear planes.												

DIAMOND DRILL RECORD,

HOLE NO. 54

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 271.0 TO 360.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
271.0-275.0	4.0	Light grey sericite schist, silicified and replaced by some pyrrhotite, a little chalcopyrite and a few threads of reddish brown sphalerite. Shearing at 80° to core.	233	4.0			.34	.91						
275.0-360.0	47.3	Dark grey sericite schist containing a little interbanded chlorite and white quartz. Slightly talcose. Fissile shearing at 80° to core.												
		End of hole at 360.0												
		Average recovery: 51.9%												
		Recovery in mineralization: 70.3%												
		Size of core: A X (1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 55

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 SECTION FROM 0.0 TO 63.0 STARTED August 1, 1954

LATITUDE 28,307.08 DATUM 4000 COMPLETED August 4, 1954

DEPARTURE 31,993.43 BEARING ULTIMATE DEPTH 322.0

ELEVATION 4,103.11 DIP Vertical hole PROPOSED DEPTH To cross section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-27.0 (27)		Casing (overburden)												
27.0-32.5	1.4	Massive, closely-knit pyrite. Vuggy in part. A little silica present. (From 20-27 granular pyrite was drilled, which did not core so that bedrock is likely at 20.0).	267	5.5			0.37	0.60	298	20-25			1.65	1.10
32.5-38.0	1.5	Same as previous section, with a few magnetite stringers present.	268	5.5			0.31	mil	299	25-30			2.88	2.11
38.0-43.0	5.0	Massive pyrite, pyrrhotite, magnetite with a little galena and sphalerite, containing angular fragments of quartz and carbonate.	269	5.0			2.05	3.70	300	30-35			4.27	3.40
43.0-48.0	5.0	Same as previous section with an increased amount of galena and sphalerite.	270	5.0			3.11	4.70	301	35-40			1.63	8.40
48.0-53.0	4.1	Pyrite, pyrrhotite, galena and sphalerite (reddish-brown) in a silica matrix. Relict banding at 30° to core.	271	5.0			0.71	3.30						
53.0-58.0	4.0	Pyrite, pyrrhotite and magnetite in silica, well mineralized with streaks of galena and sphalerite. From 56.6 to 57.0 massive galena with some sphalerite, peppered with fine pyrite and magnetite.	272	5.0			12.33	7.90		8.72				
58.0-63.0	5.0	Patches of pyrite, pyrrhotite, sphalerite and galena with some magnetite in a silica matrix. Relict banding at 45° to core. Vestiges of silicified schist present.	273	5.0			2.51	3.30						

DIAMOND DRILL RECORD,

HOLE NO. 55

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 63.0 TO 203.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
63.0-68.0	5.0	Banded pyrite with a little galena and sphalerite in a siliceous groundmass. Banding at 70° to core.	274	5.0			0.23	0.50						
68.0-73.0	4.4	Magnetite and pyrite in a siliceous matrix.	275	5.0			mil	0.50						
73.0-78.0	5.0	Pyrite in a siliceous matrix with a little associated magnetite and pyrrhotite. Sparse sphalerite.	276	5.0			0.05	0.90						
78.0-83.0	5.0	Same mineralisation as previous section.	277	5.0			0.31	1.40						
83.0-88.0	5.0	Banded pyrite and silica and a little magnetite and reddish-brown sphalerite. Banding obscured in part, by sulphide.	278	5.0			0.20	0.70						
88.0-93.0	5.0	Same mineralisation as previous section.	279	5.0			0.02	0.10						
93.0-98.0	5.0	Pyrite, pyrrhotite with sparse sphalerite in banded vestiges of silicified schist, 50° to core.	280	5.0			0.02	0.20						
98.0-102.0	3.5	Scattered pyrite, pyrrhotite with sparse chalcopyrite in silicified sericite schist.	281	4.0			0.17	0.10						
102.0-193.2	51.5	Light grey to medium grey sericite schist. Talcose in part. A little interbanded pyrite and pyrrhotite accompanied by silicification. Shearing at 80° to core.												
193.2-198.0	2.5	Graphitic schist with interbanded grey silica and pyrite. Sparse reddish-brown sphalerite.	282	4.8			0.09	mil						
198.0-203.0	2.9	Same mineralisation as previous section. Shearing at 60° to core.	283	5.0			.33	.60						

DIAMOND DRILL RECORD, HOLE NO. 55

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 203.0 TO 248.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
203.0-208.0	3.4	Graphitic schist, finely interbanded on the shear planes with silica and pyrite at 45° to core.	284	5.0			1.00	1.39						
208.0-213.0	2.0	Same mineralisation as previous section.	285	5.0			0.29	0.30						
213.0-218.0	3.5	Graphitic schist with pyrite and silica as in previous sections. Shearing at 70° to core.	286	5.0			0.43	0.10						
218.0-223.0	3.4	Graphitic schist as in previous section.	287	5.0			0.11	nil						
223.0-228.0	5.0	Graphitic schist with pyrite banding to 224.5, changing sharply to a grey chert-like matrix, containing fine pyrite and well-defined threads of galena and sphalerite.	288	5.0			0.89	0.60	/					
228.0-233.0	3.7	Chert-like, siliceous groundmass containing sharply defined threads and small patches of pyrite, galena and reddish-brown sphalerite. Graphitic schist banded with pyrite from 232.0 to 233.0.	289	5.0			3.74	6.42		6.66				
233.0-238.0	5.0	Graphitic schist banded with pyrite and a little silica. Sparse galena and sphalerite.	290	5.0			2.78	3.01	—					
238.0-243.0	2.9	Graphitic schist with irregular patches of pyrite, galena and sphalerite.	291	5.0			3.34	3.48	—					
243.0-248.0	5.0	Graphitic schist banded with pyrite, silica and sparse galena and sphalerite, at 80° to core.	292	5.0			2.32	2.10	—					

DIAMOND DRILL RECORD,

HOLE NO. 55

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 4 SECTION FROM 248.0 TO 321.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
248.0-253.0	5.0	Graphitic schist banded with pyrite and silica as in previous sections.	293	5.0			1.03	1.09						
253.0-258.0	3.7	Same as previous section with several threads of galena and sphalerite. Some white quartz present.	294	5.0		1	1.54	2.58		6 4 6				
258.0-263.0	5.0	Massive fine-grained pyrite containing streaks of galena and sphalerite in relict banding at 40° to core. One small remnant of graphitic schist.	295	5.0			3.91 3	6.30						
263.0-268.0	5.0	Same mineralization as previous section. Remnants of graphitic schist and small patches of white quartz.	296	5.0			3.11	6.52						
268.0-273.0	5.0	Medium grey sericite schist containing patches of pyrrhotite, sphalerite, galena and white quartz.	297	5.0			.89	2.81						
273.0-321.0	43.6	Medium grey sericite schist. Talcose and fissile at 70° to core. Scattered small threads of pyrrhotite in the shear planes. One 6" patch of pyrrhotite at 294.0.												
		End of hole at 321.0												
		Average recovery: 75.5%												
		Recovery in mineralization: 82.0%												
		Size of core: A X (1 3/16")												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 56

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 127.0 | STARTED August 2, 1954

LATITUDE 29,203.09 | DATUM 4000 | COMPLETED August 8, 1954

DEPARTURE 31,226.13 | BEARING | ULTIMATE DEPTH 488.0

ELEVATION 4,127.33 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-88.0 (26.0)		Casing (overburden). Soft, granular mineralisation starting at 80.0. No core.					/		335	75-80			1.06	1.60
88.0-92.0	1.2 M	Massive fine-grained pyrite with several small patches of magnetite. A little galena, sphalerite and silica, in association, at the end of the section.	302	4.0		/	9.45	8.22	336	80-85			Tr	0.80
									337	85-90			Tr	1.22
92.0-97.0	4.6 M	Uniform, fine-grained fabric of pyrite, silica, galena and sphalerite.	303	5.0			2.48	7.11	338	90-95			3.92	6.01
97.0-102.0	4.7 M	Same as previous section to 99.0. Balance of sample is magnetite, grey quartz, sparse galena and sphalerite in massive pyrite.	304	5.0			1.66	4.58						
102.0-107.0	5.0 M	Fine-grained pyrite with considerable magnetite in irregular patches. A little pyrrhotite, galena and sphalerite. Sparse chalcopyrite.	305	5.0			.86	1.10						
107.0-112.0	5.0	Pyrite and pyrrhotite in close association. Some interstitial quartz from 108.5 to 110.0. Sparse chalcopyrite.	306	5.0			.20	.20						
112.0-117.0	4.9	Mineralisation as in previous section with some irregular patches of grey silica and white quartz throughout.	307	5.0			0.06	nil						
117.0-122.0	M 5.0	Pyrite, pyrrhotite, silica and a few threads of reddish-brown sphalerite and galena.	308	5.0			2.03	2.50						
122.0-127.0	5.0 P	Silicified sericite schist containing about 40% pyrite and pyrrhotite with sparse chalcopyrite, galena and sphalerite.	309	5.0			1.51	2.21						

DIAMOND DRILL RECORD,

HOLE NO. 56

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 127.0 TO 170.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
127.0-132.0	5.0	Same as previous section with some small patches of magnetite and slightly more reddish-brown sphalerite.	310	5.0			0.31	0.56						
132.0-137.0	5.0	Light grey sericite schist, silicified and containing irregular patches of pyrite, pyrrhotite and magnetite with a little chalcopyrite.	311	5.0			0.26	0.30						
137.0-142.0	5.0	Same mineralisation as previous section. Chalcopyrite present in minute fractures paralleling the core.	312	5.0			0.34	0.89						
142.0-147.0	5.0	Pyrrhotite, pyrite, magnetite and sparse chalcopyrite and sphalerite in silicified sericite schist.	313	5.0			0.37	1.58						
147.0-152.0	5.0	Light grey sericite schist about 30% replaced by mineralisation as in previous section.	314	5.0			0.29	0.70						
152.0-157.0	3.0	Light grey sericite schist with pyrite, pyrrhotite and sparse reddish-brown sphalerite. Shearing at 50° to core.	315	5.0			0.06	0.21						
157.0-162.0	4.5	Light grey, chalky sericite schist. Silicified in part. Some fine pyrite and pyrrhotite interbanded in the shear planes at 70° to core.	316	5.0			0.26	0.20						
162.0-166.0	3.0	Light grey sericite schist, silicified in part, with mineralization same as previous section.	317	4.0			mil	mil						
166.0-170.0	3.0	Light grey sericite schist as in previous section. Some web-like threads of reddish-brown sphalerite and galena with white quartz between 169.0 and 169.4.	318	4.0			0.49	1.61						

DIAMOND DRILL RECORD,

HOLE NO. 56

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 170.0 TO 488.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
170.0-261.0	57.8	Light grey sericite schist. A few small threads and patches of pyrite and pyrrhotite. Shearing at 70° to the core. A few small patches of white quartz.												
261.0-343.0	55.5	Greyish-white talc-sericite schist. Shearing at 80° to core. Sparse interbanded pyrite. Several patches of white quartz.												
343.0-348.0	3.5	Considerable fine-grained pyrrhotite replacing sericite schist, massive in part. Some reddish-brown sphalerite and associated galena.	319	5.0			2.19	3.82						
348.0-353.0	5.0	Same mineralization as previous section. Some vestigial graphitic schist from 348.0 to 349.0	320	5.0			0.83	2.00						
353.0-358.0	2.3	Patches of pyrrhotite with a little sphalerite and galena and sparse chalcopyrite in silicified and chloritized sericite schist.	321	5.0			0.69	1.02						
358.0-363.0	3.5	Same as previous section white quartz, chlorite and pyrrhotite from 362.0 to 363.0	322	5.0			0.46	2.38						
363.0-488.0	75.0	Light grey to medium grey sericite schist. Greenish cast in part, due to irregular streaks of chlorite paralleling shearing at 70° to core. Talcose from 465.0 to 478.0. Scattered small patches of pyrrhotite, massive in part.												
		End of hole at 488.0 Average recovery: 69.1%												
		Recovery in mineralization: 86.5% Size of core: A X (1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 57

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 295.0 | STARTED August 4, 1954

LATITUDE 29,096.80 | DATUM 4000 | COMPLETED August 10, 1954

DEPARTURE 30,789.80 | BEARING | ULTIMATE DEPTH 527.0

ELEVATION 4,084.92 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-88.0		Casing (overburden)												
88.0-135.9	11.7	Medium grey to dark grey sericite schist. Core badly broken in to buttons on the shear planes at 80° to core. Considerable white quartz-carbonate. A little pyrite in threads and small patches.												
135.9-141.0	4.7	Massive fine-grained pyrite containing some reddish brown sphalerite from 138.0 to 138.4. Small patches of magnetite present with sparse pyrite.	346	5.1			2.95	3.30						
141.0-146.0	4.5	Pyrrhotite from 141.0 to 141.5 changing to massive fine pyrite with silica, and a little magnetite and pyrrhotite for the balance of the section.	347	5.0			3.11	3.68						
146.0-280.0	106.8	Medium grey sericite schist. Chlorite in part, and talcose from 196.0 to 201.0. Sparse pyrite and pyrrhotite. Shearing at 80° to 90° to core. Several patches of white quartz. A little interbanded graphitic schist at 235.0 and from 240.0 to 243.0.												
280.0-285.0	4.7	Graphitic schist with interbanded silica and pyrite. A little pyrrhotite and sphalerite. Shearing at 80° to core.	348	5.0			2.51	2.10						
285.0-290.0	4.7	Graphitic schist and silica as in previous section.	349	5.0			1.48	1.29						
290.0-295.0	5.0	Graphitic schist containing rice-sized silica grains pyrite and reddish-brown sphalerite.	350	5.0			1.48	1.40						

DIAMOND DRILL RECORD,

HOLE NO. 57

PROPERTY YANGONDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 295.0 TO 488.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
295.0-297.0	2.0	Graphitic schist with silica and pyrite as in previous section. Pyrite massive in part.	351	2.0			2.19	1.68						
297.0-374.0	57.0	Graphitic schist containing a little finely-interbanded silica. Shearing at 80° to core. Some interbanded talc-sericite schist from 342.0 to 359.0. The graphitic schist is brittle and carbonaceous.												
374.0-403.0	22.5	Graphitic schist with considerable white quartz in irregular patches and threads. Shearing at 50° to core.												
403.0-406.5	3.5	Massive pyrite, galena, sphalerite and silica, in close association, replacing graphitic schist.	352	3.5			3.81	5.20						
406.5-410.0	3.5	Massive fine pyrite and silica replacing graphitic schist. Shearing (vestigial) at 45° to core.	353	3.5			0.20	0.10						
410.0-473.0	35.1	Graphitic schist with some interbanded greyish-white silica. Several patches of white quartz-carbonate. Shearing between 40° and 70° to core, the latter from 420.0 to 457.0.												
473.0-478.0	3.9	Graphitic schist with some interbanded silica and some pyrite. Shearing at 60° to core.	354	5.0			1.28	1.71						
478.0-483.0	5.0	Silicified graphitic schist well mineralized with fine pyrite. No visible galena or sphalerite.	355	5.0			0.69	0.79						
483.0-488.0	5.0	Graphitic schist, silicified and mineralized as in previous section. A little chalcopyrite and pyrrhotite present.	356	5.0			0.31	0.60						

DIAMOND DRILL RECORD,

HOLE NO. 57

PROPERTY VANCORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 488.0 TO 527.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
488.0-493.0	4.5	Graphitic schist with interbanded silica with considerable pyrite, pyrrhotite and sparse chalcopyrite. Shearing at 50° to core, but contorted in part.	357	5.0			0.17	0.90						
493.0-494.3	1.3	Same mineralization as previous section.	358	1.3			nil	0.68						
494.3-527.0	29.9	Medium grey to dark grey sericite schist. Shearing at 60° to core. Scattered small patches of white quartz. Sparse pyrrhotite.												
		End of hole at 527.0												
		Average recovery: 71.8%												
		Recovery in mineralization: 94.4%												
		Size of core: A X (1 3/16")												
		R. W. Baker												

DIAMOND DRILL RECORD, HOLE NO. 58

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED August 5, 1954

LATITUDE 28,265.06 | DATUM 4000 | COMPLETED August 7, 1954

DEPARTURE 31,378.08 | BEARING ____ | ULTIMATE DEPTH 317.0

ELEVATION 4,064.37 | DIP Vertical hole | PROPOSED DEPTH To test anomaly in relationsto mineralisat

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-15.0	4.5?	Casing (ove burden)												
15.0-20.0	1.3	Fine grained pyrite, silica, magnetite, sphalerite and galena in close association. Porous in part.	323	5.0			3.34	6.84	339	15-20			1.77	6.25
20.0-25.0	4.4	Massive sulphides as above. Relict banding at 70° to core. Porous from 20.0 to 21.5	324	5.0			3.92	6.71						
25.0-30.0	5.0	Same as previous sections. Magnetite prominent in the banding. Good galena-sphalerite content.	325	5.0			3.46	7.50						
30.0-35.0	3.5	Increased pyrite relative to the magnetite, galena and sphalerite. (reddish-brown).	326	5.0			5.65	7.72						
35.0-40.0	2.7	Pyrite, magnetite, sphalerite and galena in silica matrix. Relict banding at 80° to core.	327	5.0			3.69	8.03	340	35-40			4.62	6.83
40.0-45.0	5.0	Same as previous section - well mineralized with galena and sphalerite. Prominent magnetite content.	328	5.0			4.15	6.18						
45.0-50.0	3.3	Massive fine-grained pyrite. Sparse magnetite.	329	5.0			1.73	2.11	341	45-50			1.14	1.10
50.0-55.0	1.8	Fragments and buttons of massive pyrite. Vestiges of kaolinised sericite schist.	330	5.0			4.15	5.52	342	50-55			1.06	1.32
									343	55-60			0.60	0.88
55.0-60.0	2.4	Massive pyrite. Relict banding at 50° to core containing rice-size patches of magnetite.	331	5.0			1.43	1.38	344	60-65			2.03	1.37
60.0-65.0	3.7	Massive pyrite to 61.0. Balance of section is graphitic schist, crenulated in part and containing pyrite, pyrrhotite and silica interbanding.	332	5.0			1.00	1.11						

DIAMOND DRILL RECORD, HOLE NO. 58

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 65.0 TO 317.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
65.0-70.0	2.1	Irregular white quartz replacing graphitic schist to 69.0 and sericite schist to 70.0. Some fine pyrite present.	333	5.0			1.57	0.58	345	65-70			0.63	0.60
70.0-74.2	4.2	Silicified sericite replaced by about 40% fine white pyrite. Pyrite massive in part.	334	4.2			0.03	0.09						
74.2-151.2	39.2	Light grey sericite schist. Shearing at 80° to core. Strongly talcose from 79.0 to 81.0. A few threads and small patches of pyrite and pyrrhotite. Several patches of white quartz containing pyrite and pyrrhotite with chlorite.												
151.2-278.0	52.0	Graphitic schist containing a little interbanded grey silica. Shearing at 50° to 80° to core.												
278.0-317.0	13.4	Graphitic schist with a little finely-interbanded talcose sericite schist, imparting a greasy surface to the core. Shearing at 50° to core.												
		End of hole at 317.0												
		Average recovery: 47.7%												
		Recovery in mineralisation: 66.6%												
		Size of core: A X (1 3/16")												
		R. W. Baker												

DIAMOND DRILL RECORD,

HOLE NO. 59

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 461.0 | STARTED August 8, 1954

LATITUDE 28,504.34 | DATUM 4000 | COMPLETED August 13, 1954

DEPARTURE 32,797.33 | BEARING | ULTIMATE DEPTH 461.0

ELEVATION 4,156.31 | DIP Vertical hole | PROPOSED DEPTH To test magnetic anomaly north-east of previous drilling

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-23.0	(7.0)	Casing (overburden)												
23.0-255.0	120.6	Light grey to medium grey sericite schist. Shearing at 40° to core. Talcose in part. Sparse pyrrhotite from 36.0 to 39.0; scattered patches of pyrrhotite from 125.0 to 130.0. A few patches of white quartz; some chlorite in association with the quarts.												
		Please note: Due to caving conditions, reduction to E core was made at 255.0.												
255.0-340.0	34.5	Medium grey sericite schist. Fissile shearing at 50° to core. Sparse interbanded pyrrhotite.												
340.0-350.0	1.1	Light grey sericite schist. Several threads of reddish-brown sphalerite. Due to low recovery over this section, only sludges sent for assay.							359	340-345			nil	nil
									360	345-350			nil	nil
350.0-381.0	9.3	Greyish-white sericite schist. Shearing at 50° to core. Sparse interbanded pyrrhotite.												
381.0-412.0	5.2	Graphitic schist containing a little finely interbanded silica. Shearing at 50° to core.												
412.0-461.0	11.0	Medium grey to dark grey sericite schist. A little interbanded graphitic material. Shearing at 50° to core.												
		End of hole at 461.0 Average recovery for the hole: 24.1% Size of core: A X (1 3/16") to 255.0 and EX (7/8") to bottom at 461.0. Bad caving took place at 130' from bottom of hole.												

DIAMOND DRILL RECORD, HOLE NO. 3 60

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 SECTION FROM 0.0 TO 184.0 STARTED August 9, 1954

LATITUDE 29,508.55 DATUM 4000 COMPLETED August 15, 1954

DEPARTURE 30,967.73 BEARING ULTIMATE DEPTH 346.0

ELEVATION 4,094.68 DIP Vertical hole PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-141.0	(43')	Casing (overburden)												
141.0-146.0	5.0	Graphitic schist replaced by fine-grained pyrite and silica. Relict banding at 60° to core. Some reddish-brown sphalerite between 141.0 and 142.0	361	5.0			1.48	2.38						
146.0-151.0	5.0	Pyrite, pyrrhotite and silica containing vestiges of graphitic schist. A little galena and sphalerite present.	362	5.0			1.14	1.23						
151.0-156.0	5.0	Same as previous section. Considerable galena and sphalerite from 154.5 to 156.0.	363	5.0			1.73	2.81						
156.0-161.0	5.0	Graphitic schist replaced by irregular patches of silica, pyrite, galena and sphalerite, closely associated.	364	5.0			3.46	7.32						
161.0-165.0	4.0	Graphitic schist replaced by patches of pyrite with associated reddish-brown sphalerite. Relict banding at 70° to core. Some white quartz- carbonate.	365	4.0			1.50	3.70						
165.0-169.0	1.6	Fragments of graphitic schist with some irregular fine pyrite.	366	4.0			1.38	1.69						
169.0-174.0	2.2	Massive pyrite containing vestiges of graphitic schist. A little reddish-brown sphalerite present with the pyrite.	367	5.0			2.30	3.71						
174.0-179.0	4.4	Massive, fine-grained pyrite in a silica matrix.	368	5.0			1.50	2.10						
179.0-184.0	5.0	Closely-knit pyrite and silica as in previous section.	369	5.0			1.15	0.30						

DIAMOND DRILL RECORD,

HOLE NO. 60

PROPERTY YAHOOHDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 184.0 TO 229.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
184.0-189.0	3.5	Massive pyrite with silica in close association. Core badly broken.	370	5.0			0.71	0.21						
189.0-194.0	5.0	Pyrite and silica as in previous section. Pyrite massive in part, remainder equigranular in texture.	371	5.0			nil	nil						
194.0-198.0	4.0	Same as previous section. A few quartz threads.	372	4.0			nil	nil						
198.0-202.0	1.0	Siliceous groundmass with patches of fine pyrite. Highly fractured.	373	3.0			Tr	0.20						
202.0-206.0	2.3	Massive pyrite with several patches of grey silica.	374	5.0			nil	nil						
206.0-210.0	1.0	Fragments of fine pyrite in a grey silica matrix.	375	4.0			nil	nil						
210.0-214.0	2.5	Silicified sericite schist containing some fine pyrite throughout.	376	4.0			Tr	nil						
214.0-219.0	4.0	Pyrite and silica as in previous sections. Remnants of graphitic schist from 214.0 to 215.0.	377	5.0			nil	nil						
219.0-224.0	2.6	Silicified sericite schist containing scattered fine pyrite. Core buttoned in part at about 80°.	378	5.0			Tr	nil						
224.0-229.0	3.5	Greyish-white sericite schist containing bands of fine pyrite and pyrrhotite in the plane of the shearing at 80° to core. Several small patches of white quartz.	379	5.0			nil	nil						

DIAMOND DRILL RECORD,

HOLE NO. 60

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 229.0 TO 346.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
229.0-256.0	7.9	Greyish-white "bleached" sericite schist containing irregular patches of white quartz and sparse pyrite and pyrrhotite. The schist is chalky and porous in part; probable sections of high core loss. Please note: Due to caving conditions E casing was run down and the hole continued in E core from 256.0 to the end.												
256.0-346.0	26.5	Light grey to medium greenish-grey sericite schist. A little chlorite and quartz associated with small patches of pyrrhotite and pyrite. Shearing at 60° to core.												
		End of hole at 346.0												
		Size of core: A X (1 3/16") to 256.0 E X (7/8") to end at 346.0												
		Average recovery: 49.3%												
		Recovery in mineralization: 75.7%												
		water return lost at 150.0												

DIAMOND DRILL RECORD,

HOLE NO. 61

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 388.0 | STARTED August 12, 1954

LATITUDE 28,968.76 | DATUM 4,000 | COMPLETED August 17, 1954.

DEPARTURE 30,635.06 | BEARING | ULTIMATE DEPTH 520.0

ELEVATION 4,046.03 | DIP Vertical Hole | PROPOSED DEPTH To cross section mineralization.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
(173) 0.0-57.0		Casing (overburden)												
57.0 - 135.0	19.4	Light grey sericite schist. Shearing at 80° to core but granulated in part. Slightly talcose. A little fine pyrite and white quartz.												
135.0 - 166.0	10.2	Graphitic schist brittle and carbonaceous with shearing at 80° to core. One 6" section of massive pyrite recovered between 135.0 and 145.0; sludges submitted for assay. One intercalated section of greenish-grey sericite schist from 150 to 151.5.							388	135-140			0.01	0.40
									389	140-145			Tr	0.39
166.0 - 169.0	2.9	Fine grained pyrite and silica containing a little pyrrhotite, galena and reddish-brown sphalerite. Sparse chalcopyrite.	380	3.0			4.03	1.48	390	165-170			0.09	0.38
									391	170-175			0.13	0.20
169.0 - 174.0	3.0	Finely-associated pyrrhotite, pyrite, magnetite galena and sphalerite in a silica matrix. Some vestiges of sericite schist in the sulphide.	381	5.0			1.54	1.36						
174.0 - 268.0	53.6	Graphitic schist containing short irregular sections of dark grey sericite schist. Carbonatised in part with some irregular quartz threads. Sparse pyrite. Shearing at 80° to core.												
268.0 - 296.2	26.1	Sericite schist, dark grey, fissile containing some finely interbanded graphitic schist. Contacts gradational. Shearing at 60° to core.												
296.2 - 388.0	91.8	Graphitic schist, carbonaceous and brittle, containing a little interbanded silica. A few small [illegible] patches of white quartz.												

DIAMOND DRILL RECORD,

HOLE NO. 61

PROPERTY Vangorda Creek, Y. T.

SHEET NUMBER 2 SECTION FROM 388.0 TO 520.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
388.0 - 414.0	11.5	Dark grey sericite schist containing a little interbanded graphitic schist. Shearing at 80° to core												
417.0 - 452.0	16.3	Graphitic schist. Shearing at 80° to core. Several small patches of quartz-carbonate.												
452.0 - 457.0	4.4	Greyish-white silica and pyrite laminated with fine bands of graphitic schist. Sparse reddish-brown sphalerite.	382	5.0			0.37	1.78						
457.0 - 462.0	4.3	Graphitic schist with patches of pyrite. A little associated pyrrhotite and sphalerite.	383	5.0			0.40	1.38						
462.0 - 467.0	4.7	Graphitic schist as in previous section to 462.6. Balance of sample is grey silicified sericite schist with web-like patterns of pyrrhotite.	384	5.0			0.01	0.40						
467.0 - 472.0	4.8	Silicified sericite schist with irregular patterns of pyrrhotite as in previous section. Sparse chalcopyrite.	385	5.0			0.02	0.60						
472.0 - 477.0	4.6	Silicified graphitic schist containing about 40% pyrrhotite in irregular patterns. Sparse Chalcopyrite Relict banding at 60° to core.	386	5.0			0.46	1.17						
477.0 - 482.0	4.3	Silicified sericite schist mineralized as in previous section.	387	5.0			0.28	0.60						
482.0 - 520.0	19.5	Medium grey sericite schist with a little interbanded chlorite and pyrrhotite. Talcose in part Shearing at 70° to core.												
		End of Hole: 520.0 Average Recovery: 60.8% Recovery in mineralization: 86.8% Size of core : Ax (1 3/16)												

DIAMOND DRILL RECORD,

HOLE NO. 62

PROPERTY VANGORDA CREEK, Y.T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 427.0 | STARTED August 14, 1954

LATITUDE 28,032.69 | DATUM 4,000 | COMPLETED August 18, 1954

DEPARTURE 32,569.27 | BEARING Vertical Hole | ULTIMATE DEPTH 427.0

ELEVATION 4,133.60 | DIP | PROPOSED DEPTH To test anomaly on strike of main zone.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0 -25.0	(7.6)	Casing (overburden)												
25.0 - 241.0	181.5	Medium greenish-gray sericite schist. Shearing at 50° to core. Several small patches of white quartz-carbonate containing sections of chlorite and pyrrhotite. A little fine pyrrhotite and pyrite with sparse chalcopyrite from 25.0 to 99.0. Traces of reddish-brown sphalerite at 139.0, 144.0, 210.0 and 230.0; sphalerite associated with fine pyrrhotite. Some talc present with chlorite in the schist. The schist is gradational to a light grey colour from 178.0 to 241.0 due to decreasing chlorite content.	392	135-140			Tr	0.05						
241.0 - 316.3	50.8	Light grey to greyish-white talc-sericite schist. Shearing at 70° to core. Small patches of pyrrhotite following the schist planes in some cases. Shearing at 80° to core. toward end of section. Some white quartz-carbonate in irregular patterns.												
316.3 - 326.0	1.8	Graphitic schist. Pebbled with dark grey breccia. Shearing obscured.												
326.0 - 353.9	23.8	Strongly talcose sericite schist. Core badly broken, soft and sheared at 30° to core. Brecciated in part, the fragments contained in a quartz-carbonate matrix. Shear zone of intense alteration indicated.												
353.9 - 427.0	33.7	Light grey to medium greenish-grey sericite schist. Shearing at 65° to core. A few small patches and threads of pyrrhotite and pyrite.												
		Please Note: Caving took place in the zone from 326.0 to 353.9 filling the hole, below this section, with sludge and fragments. It was necessary to abandon the hole at 427.0 for this reason.												

DIAMOND DRILL RECORD,

HOLE NO. 62

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
		End of Hole at 427.0												
		Average recovery for the holes 72.5%												
		Size of core: Ax (1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 63

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 155.0 | STARTED August 16, 1954

LATITUDE 29,354.16 | DATUM 4000 | COMPLETED August 20, 1954

DEPARTURE 31,097.41 | BEARING | ULTIMATE DEPTH 367.0

ELEVATION 4,112.98 | DIP Vertical Hole | PROPOSED DEPTH To cross section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
(30') 0.0 - 100.0		Casing (overburden)												
100.0 - 106.0	0.6 M	Fragments of closely-knit massive pyrite and silica Sample taken over 6' to first block due to low recovery	393	6.0			2.05	0.10	216	100-105			1.11	1.78
106.0 - 111.0	0	Lost core		5.0			~~5.11~~		217	105-110			1.54	2.51
111.0 - 115.0	1.3	Fine-grained pyrite, silica galena and sphalerite in close association.	394	4.0			5.18	10.12	218	110-115			5.53	9.11
115.0 - 120.0	4.8	Massive pyrite with irregular patches of white quartz A little magnetite, pyrrhotite and several irregular	395	5.0			5.10	3.20						
		threads of galena and sphalerite.												
120.0 - 125.0	5.0	Same as previous section with a sharp increase of pyrrhotite from 123.5 to 125.0.	396	5.0			1.31	0.89						
125.0 - 130.0	5.0 M	Massive pyrrhotite containing small irregular patches of white quartz. A little associated	397	5.0			2.11	3.58						
		chalcopyrite. A little reddish-brown sphalerite between 123.5 and 125.0												
130.0 - 135.0	5.0	Same as previous section to 132.0. Balance of section is interbanded pyrite, silica, magnetite,	398	5.0			5.27	4.41						
	M	galena and sphalerite.												
135.0 - 140.0	5.0	Sulphides, magnetite and silica as in previous section. Relict banding at 50° to core.	399	5.0			0.74	1.23						
140.0 - 145.0	5.0	Same mineralization as previous two sections	400	5.0			0.43	0.40						
145.0 - 150.0	5.0	Irregular patterns of pyrite and pyrrhotite in a silicified matrix of sericite schist. Sparse	401	5.0			0.98	0.71						
		chalcopyrite present in fractures.												
150.0 - 155.0	5.0	Pyrite and silica with sparse pyrrhotite, magnetite and silica.	402	5.0			0.94	1.50						

DIAMOND DRILL RECORD,

HOLE NO. 63

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 155.0 TO 225.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE		SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.	NO.	FOOTAGE	AG.	CU.	PB.	ZN.
155.0 - 160.0	5.0	Pyrite and silicified sericite schist with irregular patterns of pyrrhotite, magnetite and chalcopyrite.	403	5.0			0.34	1.22						
160.0 - 165.0	5.0	Same mineralization as previous section.	404	5.0			0.29	0.30						
165.0 - 170.0	5.0	Same as in previous sections. Sparse reddish-brown sphalerite from 169.0 to 170.0.	405	5.0			0.83	0.80						
170.0 - 175.0	5.0	Pyrrhotite and silica with minor pyrite. Sparse chalcopyrite.	406	5.0			0.34	0.78						
175.0 - 180.0	4.5	Irregular patches and threads of pyrrhotite in silicified sericide schist. Shearing obscured.	407	5.0			0.17	0.51						
180.0 - 185.0	5.0	Heavy pyrite in silicified sericite schist. Relict banding at 80° to core with a little interbanded magnetite and sphalerite.	408	5.0			0.02	0.60						
185.0 - 190.0	5.0	Same as previous section with a slight increase of magnetite.	409	5.0			0.23	0.69						
190.0 - 195.0	4.6	Pyrite and silica, with a little magnetite and sparse silica.	410	5.0			Tr	nil						
195.0 - 200.0	4.7	Silicified sericite schist containing irregular patches of fine pyrite.	411	5.0			Tr	nil						
200.0 - 205.0	4.2	Pyrite and threads of pyrrhotite in silicified sericite schist.	412	5.0			nil	nil						
205.0 - 210.0	4.5	Silicified sericite schist with irregular threads of pyrrhotite and small patches of pyrite.	413	5.0			nil	nil						
210.0 - 215.0	2.3	Same as previous section. Massive white quartz from 214.0 to 215.0.	414	5.0			Tr	nil						
215.0 - 220.0	2.3	Medium grey sericite schist. Shearing at 80° to core. Sparse pyrite. Quite talcose and fissile.	415	5.0			Tr	0.10						
220.0 - 225.0	5.0	Massive pyrrhotite with a little associated fine, pyrite, magnetite and sparse sphalerite and chalcopyrite. Vestiges of sericite schist in the sulphide.	419	5.0			0.03	0.10						

DIAMOND DRILL RECORD, HOLE NO. 63

PROPERTY VANGORDA CREEK? Y. T.

SHEET NUMBER 3 SECTION FROM 225.0 TO 367.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
225.0 - 230.0	5.0	Sericite schist, chloritic in part, with irregular patches of closely-associated pyrite and pyrrhotite	420	5.0			0.02	nil						
		Shearing at 60° to core.												
230.0 - 242.5	5.0	Medium grey sericite schist. Shearing at 50° to core.												
242.5 - 245.8	3.3	Massive pyrrhotite containing small patches of pyrite and magnetite and vestigos of sericite schist.	421	3.3			0.01	nil						
245.8 - 249.0	3.2	Same mineralisation as previous section; considerable magnetite from 246.5 to 247.5.	422	3.2			nil	nil						
249.0 - 321.0	55.3	Light grey to medium grey sericite schist. Talcose in part, and containing some finely interbanded chlorite. Shearing at 50° to core. Scattered fine pyrrhotite and irregular patches of white quartz.												
321.0 - 367.0	38.0	Greyish-white to light grey talc-sericite schist Shearing at 55° to core. A few small patches and threads of pyrrhotite and pyrite. Scattered small patches of white quartz, in some cases containing chlorite and pyrrhotite.												
		End of hole at 367.0												
		Average recovery: 80%												
		Recovery in mineralisation: 84.5%												
		Size of core: Ax (1 3/16)												

DIAMOND DRILL RECORD, HOLE NO. 64

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 225.0 | STARTED August 18, 1954

LATITUDE 29,271.75 | DATUM 4,000 | COMPLETED August 25, 1954

DEPARTURE 30,376.41 | BEARING | ULTIMATE DEPTH 516.0

ELEVATION 4,071.61 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
	(92.6)													
0.0 - 140.0		Casing (Overburden)												
140.0 - 158.0	5.0	Graphitic schist with some dark grey interbanded sericite schist. Shearing at 80° to core. One button of pyrite at 145.0.												
158.0 - 177.7	16.3	Light grey talcose sericite schist. A little interbanded chlorite and white quartz. Shearing at 80° to core.												
177.7 - 178.9	1.2	Massive pyrite with some fine pods and threads of magnetite following the relict banding at 50° to core	423	1.2			1.97	2.31						
178.9 - 200.8		Talc sericite schist. A little interbanded chlorite and some white quartz patches. Shearing at 80° to core.												
200.8 - 205.0	4.2	Graphitic schist and silica with some pyrite to 202.5 balance of sample consists of fine pyrite in a silica matrix with some closely-associated galena and sphalerite. Sparse pyrite.	424	4.2			1.07	3.62						
205.0 - 210.0	3.2	Massive pyrite with vestiges of kaolinized sericite schist. Sparse magnetite, galena and sphalerite. Relict banding at 80° to core.	425	5.0			0.17	3.82						
210.0 - 215.0	3.6	Same mineralisation as previous section.	426	5.0			0.06	0.40						
215.0 - 220.0	5.0	Massive pyrite with vestiges of sericite and graphitic schist to 217.5; balance of sample is massive pyrite and pyrrhotite with some closely associated galena and sphalerite.	427	5.0			1.40	2.08						
220.0 - 225.0	5.0	Graphitic schist, granulated and carbonatized containing irregular patches of massive pyrite and pyrrhotite.	428	5.0			0.26	0.68						

DIAMOND DRILL RECORD, HOLE NO. 5

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 225.0 TO 380.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
225.0 - 296.0	31.0	Light grey sericite schist. Slightly talcose; a little white quartz containing streaks of chlorite at the margins. Sparse pyrite and pyrrhotite.												
296.0 - 301.0	1.4	Graphitic schist with interbanded grey silica. Scattered fine pyrite.	429	5.0			1.67	0.22						
301.0 - 306.0	2.3	Graphitic schist as in previous section. A little reddish-brown sphalerite and galena.	430	5.0			0.70	nil						
305.0 - 309.0	1.4	Graphitic schist with fine pyrite and silica. Shearing at 60° to core.	431	4.0			1.20	0.70						
309.0 - 345.2	21.3	Light grey talcose sericite schist replaced by irregular patches of white quartz. Shearing at 80° to core.												
345.2 - 350.0	2.4	Graphitic schist with some interbanded silica, pyrite and pyrrhotite. Shearing at 70° to core.	432	4.8			1.14	1.20						
350.0 - 355.0	3.1	Graphitic schist mineralized as in previous section A little reddish-brown sphalerite and galena.	433	5.0			2.99	2.08						
355.0 - 360.0	5.0	Graphitic schist with interbanded silica, pyrite, reddish-brown sphalerite and galena. Shearing at 80° to core.	434	5.0			2.59	1.43						
360.0 365.0	5.0	Graphitic schist brecciated in part and replaced by pyrite, galena, sphalerite and silica.	435	5.0			1.09	2.50						
365.0 - 370.0	5.0	Graphitic schist showing replacement as in previous section. Shearing at 60° to core.	436	5.0			0.98	1.72						
370.0 - 375.0	5.0	Massive pyrite with a little associated magnetite, sphalerite and galena. Remnants of sericite schist with interbanded graphitic schist from 373.0 to 374.5	437	5.0			1.34	0.85						
375.0 380.0	2.2	Graphitic schist buttons containing interbanded silica and disseminated pyrite. Massive pyrite from 375.0 to 375.8.	438	5.0			1.93	1.24						

DIAMOND DRILL RECORD,

HOLE NO. 64

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 380.0 TO 516.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
380.0 - 382.0	1.3	Pyrite, massive in part containing vestiges of sericite schist and patches of white quartz. Sparse galena and sphalerite.	439	2.0										
382.0 - 493.0	44.7	Graphitic schist with some interbanded dark grey sericite schist. Shearing at 80° to core, locally contorted toward end of section. A little pyrite and pyrhottite.												
493.0 - 516.0	13.4	Medium grey sericite schist. Shearing at 80° to core. Four small patches of white quartz. Some chloritic bands in the schist.												
		End of Hole at 516.0												
		Average recovery: 50%												
		Recovery in mineralization 75.6%												
		Size of core: Ax (1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 65

PROPERTY VANGORDA CREEK, Y.T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 301.0 | STARTED August 18, 1954.

LATITUDE 27,561.65 | DATUM 4000 | COMPLETED August 21, 1954

DEPARTURE 32,924.85 | BEARING | ULTIMATE DEPTH 301.0

ELEVATION 4,137.70 | DIP Vertical Hole | PROPOSED DEPTH To test magnetic anomaly south east from main zone

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-17.0	(5.4)	Casing (overburden)												
17.0 - 171.0	92.2	Light grey to medium grey sericite schist. Shearing at 60° to core. Talcose in part. Considerable fine pyrrhotite in irregular patches, accompanied by silicification; massive pyrrhotite between 53.5 and 61.0, containing vestiges of schist. Sparse chalcopyrite with the pyrrhotite. Scattered patches of white quartz-carbonate with some associated chlorite.												
171.0 - 206.0	12.7	Light grey sericite schist, fissile and highly fractured. Shearing at 50° to core. Possible fault zone in this section.												
206.0 - 301.0	47.6	Light grey to medium greenish-grey sericite schist. Shearing at 60° to core; fissile and slightly chloritic. The sericite has a "schiller" where the shearing is locally contorted. Several patches (small) of white quartz.												
		End of hole at 301.0												
		Size of core AX (1 3/16)												
		Average recovery 53.7%												

DIAMOND DRILL RECORD, HOLE NO. 66

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 SECTION FROM 0.0 TO 341.0 STARTED August 21, 1954

LATITUDE 29,637.36 DATUM 4,000 COMPLETED August 26, 1954

DEPARTURE 31,123.07 BEARING ULTIMATE DEPTH 341.0

ELEVATION 4,095.94 DIP Vertical Hole PROPOSED DEPTH To test for lateral extent of mineralization.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0 - 90.0	(29)	Casing (Overburden)												
90.0 - 111.0	9.5	Light grey sericite schist. Shearing at 80° to core; core badly broken on the shear planes.												
111.0 - 116.0	4.0	Greenish-grey, chloritic sericite schist. A few threads and small patches of pyrrhotite; sparse reddish-brown sphalerite in association.	440	5.0										
116.0 - 121.0	4.6	Same as previous section. A little pyrite in association.	441	5.0										
121.0 - 126.0	1.8	Light grey silicified sericite schist containing a little pyrrhotite and chlorite	442	5.0										
126.0 - 129.0	2.0	Irregular patches of pyrrhotite, chlorite and sparse sphalerite in sericite schist.	443	3.0										
129.0 - 190.0	37.6	Light grey to medium grey sericite schist with a little interbanded graphitic schist at irregular intervals. Shearing at 80° to core. Several small patches of white quartz and some associated chlorite.												
190.0 - 341.0	44.4	Light grey to medium grey sericite schist. Shearing at 50° to core. Several small patches of white quartz.												
		PLEASE NOTE: Core size reduced from A to E at 236.0 due to need for casing off some caving with E casing.												
		End of hole at: 341.0												
		Average recovery 41.4%												
		Recovery in mineralization: 68.9%												
		Size of core: Ax (1 3/16") to 236.0 Ex (7/8") to 341.0 end.												

DIAMOND DRILL RECORD, HOLE NO. 67

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 1 SECTION FROM 0.0 TO _____ STARTED August 23, 1954

LATITUDE 27,082.02 DATUM 4,000 COMPLETED August 30, 1954

DEPARTURE 34,154.10 BEARING _____ ULTIMATE DEPTH 723.0

ELEVATION 4,146.53 DIP Vertical Hole PROPOSED DEPTH To test magnetic anomaly at depth.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
	(45)													
0.0 - 15.0		Casing (overburden)												
15.0 - 180.0	103.6	Medium grey to dark grey sericite schist. Shearing at 60° to core. One section of barren white quartz from 56.0 to 58.5. The intermittent sections of dark grey schist are more competent than the fissile medium grey schist.												
180.0 - 200.0	15.0	Light greenish-grey sericite schist. Shearing at 80° to core. Slightly talcose.												
200.0 - 321.0	74.8	Dark grey sericite schist. Fissile shearing at 70° to 80° to core. Slight greenish cast from 248.0 to 321.0.												
321.0 - 500.0	91.5	Graphitic schist. Carbonaceous and brittle with a little interbanded grey silica. Shearing at 70° to core. Sparse pyrite and pyrrhotite associated with several small patches of white quartz. Minute threads of sphalerite at 393.1 and 398.6 -associated with white quartz; not worthy of assay. A little dark grey interbanded sericite schist between 465.0 and 500.0.												
500.0 - 581.0	62.7	Medium grey to dark grey sericite schist. A little interbanded silica and graphitic schist. The core is non-fissile and less altered to sericite than in upper horizon. Shearing at 80° to core.												
581.0 - 641.0	31.5	Graphitic schist. Shearing at 55° to the core. Some interbanded silica with sparse pyrite and pyrrhotite. Several small patches of white quartz; a few threads of reddish-brown sphalerite between 581.3 and 581.4, not worthy of assay. One small patch of dark brown sphalerite in grey quartz at 611.0 From 614.0 to 616.0 and from 629.4 to 631.0, two sections												

DIAMOND DRILL RECORD, HOLE NO. 67

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 2 SECTION FROM 581.0 TO 723.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
581.0 - 641.0		intercalated altered intermediate lava rather than intrusives as chilled margins and re-constitution												
Cont'd		at the walls are lacking.												
641.0 - 661.0	13.8	Dark grey sericite schist with some interbanded graphitic schist. Shearing at 80°. The schist is non-fissile and appears to be in an incipient stage of development.												
661.0 - 675.0	13.0	Medium grey slightly-schistose intermediate lava. Numerous small actinolite blades in the fabric. Does not appear to be a intrusive as cutting relationships are lacking.												
675.0 - 699.0	16.1	Interbanded graphitic and dark grey sericite schist. Shearing at 80° to core.												
699.0 - 702.0	3.0	Medium grey intermediate lava as from 661.0 to 675.0												
702.0 - 723.0	7.0	Dark grey non-fissile schist showing incipient development of sericite. Shearing at 80° to core.												
		End of hole at 723.0												
		Size of core: Ax (1 3/16")												
		Average recovery: 60.0%												

DIAMOND DRILL RECORD,

HOLE NO. 68

PROPERTY VANGORDA CREEK

SHEET NUMBER 1 | SECTION FROM 0.0 TO 321.0 | STARTED August 26, 1954

LATITUDE 29,051.58 | DATUM 4,000 | COMPLETED August 31, 1954

DEPARTURE 31,355.30 | BEARING | ULTIMATE DEPTH 422.0

ELEVATION 4,118.93 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-57.0	(17)	Casing (overburden)												
57.0 - 64.0	0.6	Fragments of closely-associated pyrite and silica. Core sample not taken due to low recovery							No water return until 60.0					
64.0 - 68.5	2.6	Pyrite and silica with a little associated magnetite sphalerite and galena. Some iron oxide stain.	444	4.5					455	60-65			0.67	0.20
68.5 - 74.0	5.0 M	Massive pyrite and silica with vestiges of graphitic schist. Sparse sphalerite.	445	5.0					456	65-70			3.51	3.61
74.0 - 79.0	5.0	Pyrite and silica with a little associated galena, sphalerite and pyrrhotite.	446	5.0										
79.0 - 84.0	5.0	Same as previous section. Relict banding at 80° to core.	447	5.0										
84.0 - 89.0	5.0	Pyrite and silica with a little magnetite and reddish-brown sphalerite.	448	5.0										
89.0 - 94.0	5.0	Same mineralization as previous section. A little associated pyrrhotite and sparse chalcopyrite.	449	5.0										
94.0 - 99.0	5.0	Pyrite and silica with some narrow bands of magnetite guided by relict banding at 80° to core. A little pyrrhotite and chalcopyrite: sparse chalcopyrite.	450	5.0										
99.0 - 104.0	2.6	Fine-grained closely-associated pyrite, pyrrhotite and silica. Sparse chalcopyrite.	451	5.0										
104.0 - 109.0	3.0	Same mineralization as previous section. Sparse sphalerite.	452	5.0										
109.0 - 112.0	3.0 M	Pyrite and silica with vestiges of sericite schist at 70°. Sparse chalcopyrite.	453	3.0										
112.0 - 194.5	25.1	Light grey, fissile sericite schist. Shearing at 80° to core. Scattered threads and bands of pyrrhotite. A few small patches of white quartz.												
194.5 - 321.0	76.8	Light greenish-grey sericite schist. Talcose in part. Some interbanded chlorite and a little disseminated pyrrhotite. Dominantly white quartz replacing the schist from 203.0 to 213.0.												

DIAMOND DRILL RECORD, HOLE NO. 68

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 321.0 TO 422.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
194.5 - 321.0	76.8 cont'd	Shearing at 70° to core.												
321.0 - 325.0	4.0	Massive pyrrhotite containing vestiges of sericite schist. Several threads of reddish-brown sphalerite a little chalcopyrite.	454	4.0			1.37	3.02						
325.0 - 422.0	45.8	Light grey sericite schist with a little interbanded chlorite. Some stringers of pyrrhotite guided by the shearing at 80° to the core between 326.0 and 349.0. A few small patches of white quartz.												
		End of hole at 422.0												
		Size of core: AX (1 3/16")												
		Average recovery: 53%												
		Recovery in mineralization: 87.8%												

DIAMOND DRILL RECORD,

HOLE NO. 69

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 381.0 | STARTED August 27, 1954

LATITUDE 29,333.29 | DATUM 4,000 | COMPLETED August 31, 1954

DEPARTURE 31,380.54 | BEARING | ULTIMATE DEPTH 381.0

ELEVATION 4,134.21 | DIP Vertical Hole | PROPOSED DEPTH To establish lateral extent of mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-84.0	(NQ)	Casing (Overburden)												
84.0 - 145.0	37.5	Light grey sericite schist with a little interbanded graphitic schist between 121.0 and 123.0, and 124.0 and 125.0. Shearing @ 65° to core. Considerable fine pyrrhotite from 125.5 to 126.5.												
145.0 - 381.0	195.3	Medium greenish-grey sericite schist with a little interbanded chlorite. Several short irregular sections of interbanded graphitic schist. The schist is talcose in part due likely to the magnesium derived from the chlorite. A few small patches of white quartz.												
		End of hole at 381.0												
		Average recovery 61.1%												
		Size of core: AX(1 3/16")												

DIAMOND DRILL RECORD,

HOLE NO. 70

PROPERTY VANCORDA CREEK Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 256.0 | STARTED August 31, 1954

LATITUDE 26,065.72 | DATUM 4000 | COMPLETED September 3, 1954

DEPARTURE 33,977.56 | BEARING | ULTIMATE DEPTH 336.0

ELEVATION 4,073.79 | DIP Vertical Hole | PROPOSED DEPTH To test anomaly No. 24

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE SAMPLE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-18.0		Casing (overburden)												
18.0 - 21.0	2.5	Massive pyrite, partially oxidized, with galena, sphalerite, magnetite and silica in close association. The pyrite is porous from 19.5 to 20.5.	457	3.0			2.79	2.31						
21.0 - 26.0	4.7	Same as previous section with slight increase in magnetite content. Relict banding at 80° to core.	458	5.0			2.82	3.49						
26.0 - 31.0	4.2	Massive pyrite with sparse galena and sphalerite. Vestiges of bleached sericite schist from 28.0 to 31.0	459	5.0			0.61	1.11						
31.0 - 36.0	4.0	Light grey sericite schist replaced by web-like patterns of pyrrhotite and pyrite. Sparse sphalerite and chalcopyrite.	460	5.0			0.42	1.02						
36.0 - 41.0	4.2	Massive fine pyrrhotite containing vestiges of sericite schist sparse chalcopyrite.	461	5.0			0.53	1.10						
41.0 - 45.0	2.9	Light grey sericite schist replaced in part by patches of pyrrhotite. Shearing at 80° to core.	462	4.0			0.47	0.72						
45.0 - 118.0	47.0	Light greenish - grey sericite schist. Shearing at 80° to core. Clay-like when cut with knife. Core badly battered on shear planes between 61.0 and 85.0.												
118.0 - 169.0	35.0	Medium grey sericite schist. Shearing to the core variable between 45° to 80° but contorted in part. Several small patches of white quartz.												
169.0 - 256.0	34.3	Greenish-grey sericite schist. Fissile shearing at 60° to core. Greenish cast due to some interbanded chlorite. A few small patches of white quartz.												
		Please Note: Due to caving conditions E casing												

DIAMOND DRILL RECORD,

HOLE NO. 70

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER _____ SECTION FROM 256.0 TO 336.0 End STARTED _____

LATITUDE _____ DATUM _____ COMPLETED _____

DEPARTURE _____ BEARING _____ ULTIMATE DEPTH _____

ELEVATION _____ DIP _____ PROPOSED DEPTH _____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
169.0 - 256.0	34.3	was run down and drilling resumed in E core size at 256.0.												
Cont.														
256.0 - 336.0	35.0	Greenish-grey sericite schist as in previous section. Slight development of talc. Shearing at 60° to core. Some fine bands of pyrrhotite between 290.0 and 296.0.												
		End of hole at 336.0												
		Size of core: AX (1 3/16") to 256.0												
		EX (1") to 336.0												
		Average recovery: 54.6%												
		Recovery in mineralization: 83.3%												

DIAMOND DRILL RECORD, HOLE NO. 71

PROPERTY VANGORDA CREEK Y Y

SHEET NUMBER 1 | SECTION FROM 0.0 TO 155.0 | STARTED Sept. 1, 1954

LATITUDE 28,902.89 | DATUM 4,000 | COMPLETED Sept. 4, 1954

DEPARTURE 31,485.02 | BEARING | ULTIMATE DEPTH 355

ELEVATION 4,089.67 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-37.0 (11.7)		Casing (Overburden)												
37.0-41.0	2.4	Pyrite and silica in an equigranular fabric	500	4.0			Tr	nil						
41.0-46.0	1.8	Same as previous section. Broken in fragments	501	5.0			Tr	nil						
46.0-50.0	1.5	Same as previous sections	502	4.0			2.59	nil						
50.0-55.0	3.2	Uniformly-grained pyrite and silica as in previous sections	503	5.0			nil	nil						
55.0-60.0	3.2	Pyrite and silica containing vestiges of sericite schist	504	5.0			0.31	0.20						
60.0-65.0	2.5	Remnants of light grey sericite with pyrite and silica	505	5.0			Tr	Tr						
65.0-70.0	4.4	Same as previous section	506	5.0			0.03	0.10						
70.0-75.0	4.1	Pyrite, silica and a little magnetite with remnants of sericite schist	507	5.0			0.25	0.57						
75.0-80.0	4.5	Pyrite, pyrrhotite and silica. A little reddish-brown sphalerite and chalcopyrite	508	5.0			0.59	1.78						
80.0-85.0	3.7	Remnants of sericite schist containing pyrite pyrrhotite and a little galena and sphalerite	509	5.0			0.87	2.24						
		Sparse magnetite and chalcopyrite.												
85.0-87.5	1.0	Veins of pyrite, pyrrhotite and reddish-brown sphalerite in sericite schist remnants	510	2.5			0.20	1.40						
87.5-155.0	43.8	Greenish-grey sericite. Chloritic and talcose in part. Several irregular white quartz patches, and												
		small sections of massive pyrrhotite at 130.0, 138.5, 141.0, 145.5 to 146.0 and 150.0												

DIAMOND DRILL RECORD,

HOLE NO. 71

PROPERTY VANGORDA CREEK Y T

SHEET NUMBER 2 SECTION FROM 155.0 TO 351.0 STARTED

LATITUDE DATUM End COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
155.0-267.3	90.7	Medium greenish-grey sericite schist. Some interbanded chlorite. A little disseminated pyrrhotite and sparse chalcopyrite. Shearing fissile at 60° to core.												
267.3-272.0	4.7	Silicified sericite schist containing irregular patches of pyrrhotite. Sparse chalcopyrite.	511	4.7			0.61	0.59						
272.0-277.0	5.0	Same as the previous section with an increase of pyrrhotite. Sparse galena and sphalerite. A little arsenopyrite at 275.5	512	5.0			1.01	2.18						
277.0-282.0	5.0	Same as previous section to 278.5. Balance of section is finely-banded graphitic schist and silica containing pyrite, pyrrhotite and sparse reddish-brown sphalerite.	513	5.0			0.42	0.11						
282.0-286.5	4.5	Granulated graphitic schist and silica containing pyrrhotite, pyrite and sparse reddish-brown sphalerite	514	4.5			0.59	1.52						
286.5-351.0	52.3	Medium grey sericite schist. Shearing at 60° to core. Some small patches of white quartz throughout.												
		End of hole at 351.0												
		Size of core: AX (1-3/16")												
		Average recovery: 75.9%												
		Recovery in mineralisation: 73.9%												

DIAMOND DRILL RECORD,

HOLE NO. 72

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 70.0 | STARTED September 1, 1954

LATITUDE 28,767.35 | DATUM 4000 | COMPLETED Sept. 4, 1954

DEPARTURE 31,330.54 | BEARING | ULTIMATE DEPTH 399.0

ELEVATION 4,060.15 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE SAMPLE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0 - 30.6	(9.3?)	Casing (overburden)												
30.6 - 35.0	2.4	Fragments of fine grained pyrite with some small patches of magnetite and a little galena and sphalerite.	463	4.4			2.15	2.13						
35.0 - 40.0	4.9	Massive pyrite containing several bands of magnetite roughly paralleling the relict banding at 80° to core; a little galena and sphalerite in close association with the magnetite.	464	5.0			0.95	0.60						
40.0 - 45.0	4.8	Same mineralization as previous section. Magnetite bands more irregular, than before.	465	5.0			0.70	0.93						
45.0 - 50.0	5.0	Massive pyrite with irregular small patches of silica, magnetite galena and sphalerite in close association.	466	5.0			3.12	5.33						
50.0 - 55.0	5.0	Equigranular fabric of pyrite, silica, galena, sphalerite and a little magnetite. Good lead-zinc content.	467	5.0			2.79	6.41						
55.0 - 60.0	5.0	Same mineralization as previous section to 58.0 Balance of section is massive pyrite with several small stringers of white quartz.	468	5.0			3.43	2.82						
60.0 - 65.0	5.0	Equigranular pyrite and silica containing a few stringers of closely-associated magnetite and reddish-brown sphalerite.	469	5.0			1.53	1.91						
65.0 - 70.0	5.0	Massive pyrite with some irregular patches of silica and magnetite. A little reddish-brown sphalerite and galena.	470	5.0			0.75	0.83						

DIAMOND DRILL RECORD,

HOLE NO. 72

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 2 SECTION FROM 70.0 TO 235.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS				SLUDGE SAMPLE		SLUDGE ASSAYS			
					AG.	CU.	PB.	ZN.	NO.	FOOTAGE	AG.	CU.	PB.	ZN.
70.0 - 75.0	5.0	Pyrite, pyrrhotite and silica, with a little magnetite and chalcopyrite, sparse sphalerite	471	5.0			0.36	0.41						
75.0 - 80.0	5.0	Pyrite in irregular distribution in a silica matrix A little pyrrhotite and sparse chalcopyrite	472	5.0			0.33	nil						
80.0 - 85.0	3.0	Fine grained pyrite and silica in an equigranular fabric	473	5.0			0.39	nil						
85.0 - 91.0	1.4	Same as previous section. Core badly broken. Taken over six feet due to low core recovery	474	6.0			0.17	nil	477 478	85 - 90 90 - 95			0.75 Tr	0.20 0.10
91.0 - 162.0	71.8	Light grey, slightly talcose sericite schist shearing fissile at 80° to core. Scattered threads of pyrrhotite. One patch of pyrite, with a little magnetite in association, from 106.0 to 107.0; a litte chlorite in the banding of the schist.												
162.0 - 182.0	21.5	Medium grey sericite schist. Scattered small threads of pyrrhotite and pyrite governed roughly by the shearing at 80° to core. Sparse reddish-brown sphalerite, not worthy of assay.												
182.0 - 187.0	5.0	Sericite schist as in previous section containing increased amounts of pyrite and pyrrhotite; a little reddish-brown sphalerite.	475	5.0			0.25	nil						
187.0 - 208.3	19.3	Medium grey, slightly chloritic sericite schist. Sparse pyrite in narrow bands in the shearing at 80° to core.												
208.3 - 211.1	2.8	Sericite schist with a little pyrite in the shearing at 80° to the core; a little reddish-brown sphalerite with the pyrite.	476	2.8			0.70	0.50						
211.1 - 235.0	8.1	Medium grey sericite schist. Shearing at 80° to core. Sparse pyrite.												

DIAMOND DRILL RECORD,

HOLE NO. 72

PROPERTY VANGORDA CREEK

SHEET NUMBER 3 SECTION FROM 235.0 TO 295.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
235.0 - 240.0	5.0	Medium grey sericite schist with irregular patches of pyrite and pyrrhotite. Sparse magnetite galena and sphalerite.	479	5.0			0.01	0.50						
240.0 - 245.0	4.4	Massive pyrite containing small patches of magnetite and vestiges of sericite schist.	480	5.0			0.22	0.10						
245.0 - 250.0	4.5	Graphitic schist with a little associated sericite schist. Some irregular patches of silica and pyrite. Shearing contorted.	481	5.0			0.25	0.50						
250.0 - 255.0	3.9	Graphitic schist mineralised with pyrite as in previous section. Shearing contorted; bands cremulated in part.	482	5.0			0.28	0.41						
255.0 - 260.0	3.9	Graphitic schist replaced by considerable fine pyrite. Shearing at 65° to core.	483	5.0			~~0.02~~ Tr	0.20						
260.0 - 265.0	4.0	Graphitic schist with interbanded silica, pyrite and pyrrhotite.	484	5.0			0.02	0.20						
265.0 - 270.0	3.0	Graphitic schist mineralised as in previous section Shearing cremulated in part.	485	5.0			0.02	nil						
270.0 - 275.0	2.7	Graphitic schist finely laminated with pyrite and silica at 60° to the core.	486	5.0			0.01	nil						
275.0 - 280.0	3.9	Graphitic schist and pyrite as in previous section Traces of reddish-brown sphalerite.	487	5.0			2.82	~~4.68~~ 2.68						
280.0 - 285.0	5.0	Graphitic schist laminated in the shear planes with pyrite, silica and a little galena and sphalerite.	488	5.0			2.32	4.53						
285.0 - 290.0	3.0	Same as previous section changing to silica and pyrite at 288.0, for balance of section.	489	5.0			1.48	2.62						
290.0 - 295.0	3.3	Pyrite and silica from 290.0 to 293.0; some interbanded graphitic schist with pyrite, silica and sparse sphalerite to 295.0.	490	5.0			1.56	3.21						

DIAMOND DRILL RECORD,

HOLE NO. 72

PROPERTY VANCOUVER CREEK

SHEET NUMBER 4 SECTION FROM 295.0 TO 399.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
295.0 - 300.0	3.3	Laminated silica, pyrite and graphitic schist bands. Remnants of sericite schist from 299.0 to 300.0	491	5.0			0.70	1.30						
300.0 - 305.0	5.0	Sericite schist replaced in part by small patches and threads of pyrite, pyrrhotite, sparse galena and sphalerite. Shearing at 70° to core.	492	5.0			0.42	0.61						
305.0 - 310.0	5.0	Same as previous section.	493	5.0			0.20	0.30						
310.0 - 315.0	5.0	Sericite schist containing irregular patterns of pyrite, pyrrhotite and sparse chalcopyrite and sphalerite.	494	5.0			0.31	1.07						
315.0 - 320.0	5.0	Light grey sericite schist, silicified and partially replaced by pyrrhotite. Sparse sphalerite and chalcopyrite.	495	5.0			0.42	0.40						
320.0 - 325.0	5.0	Same as previous section. Several small patches of white quartz.	496	5.0			Tr	0.50						
325.0 - 330.0	5.0	Light grey sericite schist, silicified and replaced by considerable fine pyrrhotite and sparse sphalerite and chalcopyrite.	497	5.0			0.59	1.52						
330.0 - 333.0	3.0	Same as previous section with some massive pyrrhotite in part.	498	3.0			0.42	0.68						
333.0 - 336.0	3.0	Sericite schist about ½ replaced by pyrrhotite, following the shear planes at 40° to core	499	3.0			0.39	0.50						
336.0 - 399.0	45.4	Light grey sericite schist, clay-like, cut by a few quartz threads. Shearing 60° to core. Gradational to medium grey sericite schist from 356.0 to end. A little interbanded chlorite.												

DIAMOND DRILL RECORD,

HOLE NO. 72

PROPERTY VANCROA CREEK

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
		End of hole at 399.0												
		Size of core: AX (1 3/16")												
		Average Recovery: 78.0%												
		Recovery in mineralization: 85.8%												

#72

DIAMOND DRILL RECORD,

HOLE NO. 73

PROPERTY VANCORDA CREEK Y.T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 306.5 | STARTED Sept. 4, 1954

LATITUDE 26,106.62 | DATUM 4,000 | COMPLETED Sept. 7, 1954

DEPARTURE 34,294.33 | BEARING | ULTIMATE DEPTH 343.0

ELEVATION 4,066.50 | DIP Vertical Hole | PROPOSED DEPTH To test anomaly No. 23

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-11.0 (3.3)		Casing (Overburden)												
11.0-16.0	2.6	Fragments of pyrite and pyrrhotite in a silica matrix. Sparse reddish brown sphalerite and chalcopyrite.	515	5.0			.75	1.19						
16.0-21.0	3.9	Vestiges of graphitic schist and silica containing fine disseminated pyrite and a little galena and sphalerite.	516	5.0			.33	.50						
21.0-26.0	2.6	Fragments of massive pyrrhotite and silica. A few small patches of magnetite, in the pyrrhotite.	517	5.0			.89	1.81						
26.0-31.0	3.5	Massive pyrrhotite and pyrite containing vestiges of graphitic schist to 29.0; vestiges of sericite schist in balance of section.	518	5.0			.50	1.01						
31.0-196.0	82.7	Medium greenish-grey sericite schist. Fissile shearing, averaging 50° to core. A few small patches of white quartz. Shearing changes to 70° to core toward end of section.												
196.0-236.0	30.4	Medium grey sericite schist. Fissile shearing at 60° to the core.												
236.0-255.8	19.8	Medium greenish-grey sericite schist containing a few small stringers and patches of pyrite and pyrrhotite. Sparse sphalerite and chalcopyrite.												
255.8-258.1	2.3	Greenish-grey sericite schist replaced by small irregular patches of closely-associated pyrite,	519	2.3			Tr	mt						
258.1-306.5	39.0	pyrrhotite, chlorite, quartz and sparse magnetite.& Medium greenish-grey sericite schist shearing at 60° to core. A few threads of pyrite and pyrrhotite between 258.1 and 264.0; sparse pyrite and pyrrhotite in balance of section.	sphalerite.				—							

#73

DIAMOND DRILL RECORD,

HOLE NO. 73

PROPERTY VANGORDA CREEK Y.T.

SHEET NUMBER 2 SECTION FROM 306.5 TO 343.0 STARTED

LATITUDE DATUM End COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
306.5-343.0	12.7	Dark grey sericite schist. Several small patches of white quartz and chlorite. Shearing at 60° to core.												
		End of hole at 343.0												
		Size of core: AX (1-3/16")												
		Average recovery: 98.2%												

#73

DIAMOND DRILL RECORD,

HOLE NO. 74

PROPERTY Vangorda Creek, Y.T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 296.0 | STARTED Sept. 15, 1954

LATITUDE 28,745.27 | DATUM 4,000 | COMPLETED Sept.

DEPARTURE 31,614.13 | BEARING | ULTIMATE DEPTH

ELEVATION 4,075.15 | DIP Vertical Hole | PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE SAMPLE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-27.0 (8.2)		Casing (Overburden)												
27.0-191.0	69.0	Medium grey sericite schist. Slight greenish cast due to interbanded chlorite. Shearing at 60° to core. A few threads of pyrite and pyrrhotite with sparse reddish brown sphalerite between 141.0 and 191.0, not worthy of assay. One ½" patch of quartz and reddish brown sphalerite at 190.8. Core badly broken from 27.0 to 111.0												
191.0-206.0	13.7	Medium grey sericite schist. A few small patches of white quartz. Shearing at 80° to core.												
206.0-209.5	3.5	Massive fine-grained pyrrhotite containing vestiges of sericite schist. Sparse galena, sphalerite and chalcopyrite.	520	3.5			.78	.80						
209.5-213.0	2.7	Same mineralisation as previous section. Vestiges of graphitic schist and sericite schist.	521	3.5			1.23	2.30						
213.0-253.0	34.3	Medium grey sericite schist. Fissile shearing at 70° to core. A few threads of pyrrhotite, and a little interbanded chlorite. Numerous small pink garnets from 231.5 to 234.0												
253.0-296.0	25.4	Medium grey sericite schist. From 279.0 to 281.0 considerable chlorite, pyrrhotite and small garnets replacing the schist. Please note: At 296.0, reduction was made to E core due to the need for casing off some caving with E casing.												

DIAMOND DRILL RECORD, HOLE NO. 74

PROPERTY VANGORDA CREEK Y.T.

SHEET NUMBER 2 SECTION FROM 296.0 TO 356.0 STARTED

LATITUDE DATUM End COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
296.0-356.0	36.5	Medium grey sericite schist. Fissile shearing at 50° to core. Some small quartz patches and sparse pyrrhotite.												
		End of hole at 356.0												
		Size of core: AX (1-3/16") to 296.0												
		EX (7/8") to 356.0 end												
		Average Recovery: 96.3%												
		Recovery in mineralisation: 88.6%												

DIAMOND DRILL RECORD,

HOLE NO. 75

PROPERTY VANGORDA CREEK Y.T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 72.0 | STARTED Sept. 5, 1954

LATITUDE 28,616.91 | DATUM 4,000 | COMPLETED Sept. 10, 1954

DEPARTURE 31,458.92 | BEARING | ULTIMATE DEPTH 436.0

ELEVATION 4,069.76 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralisation

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE SAMPLE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-25.0 (7.6M)		Casing (overburden)					/							
25.0-30.0		Lost core				/			537	25-30			Tr	nil
30.0-36.0	0.9	Porous pyrite in a silica matrix. Some galena and sphalerite present in fragments. Sludge sent for assay due to low core recovery.							538	30-35			2.04	2.78
36.0-38.0	1.2	Fragments of sulphide mineralisation containing pyrite, galena and sphalerite in a silica matrix. Relict banding at 50° to core.	S22	2.0			2.74	5.41	539	35-40			4.89	6.04
38.0-39.5	1.5	Porous fragments of sulphide containing pyrite and silica, and good galena and sphalerite mineralisation.	S23	1.5			7.15	7.53						
39.5-50.0	1.4 M	Fragments of massive pyrite and silica containing a little galena and sphalerite. Sludges sent for assay due to low core recovery.					/		540	40-45			0.95	1.20
									541	45-50			4.28	4.88
50.0-55.0	4.5 M	Massive pyrite in a silica matrix. A little galena and sphalerite.	S24	5.0			.87	trace						
55.0-61.0	3.3	Fragments of pyrite and silica containing a little galena and sphalerite. Sample taken over 6.0' due to low core recovery.	S25	6.0			.56	.20						
61.0-66.0	2.2	Banded pyrite and silica containing vestiges of graphitic schist. Porous in part; relict banding at 60° to core.	S26	5.0			0.45	nil						
66.0-72.0	4.2 M	Fragments of massive pyrite in a silica matrix. Sparse galena and sphalerite.	S27	6.0			0.52	0.60						

DIAMOND DRILL RECORD,

HOLE NO. 75

PROPERTY VANGORDA CREEK Y.T.

SHEET NUMBER 2 SECTION FROM 72.0 TO 258.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
72.0-77.5	3.2	Pyrite and silica in an equigranular texture Please Note: Due to caving conditions, E casing was used, and the hole was continued in E core for 77.5	528	5.5			0.52	0.57						
77.5-82.0	3.8	Pyrite and silica as in previous section, with vestiges of graphitic schist.	529	4.5			0.39	0.39						
82.0-87.0	5.0	Pyrite and silica in an equigranular texture	530	5.0			0.41	0.61						
87.0-92.0	4.2	Pyrite and silica with a little magnetite at 60° to core	531	5.0			0.36	mil						
92.0-97.0	3.3	Massive pyrite containing several small patches of galena and sphalerite in association with white quarts.	532	5.0			8.03	3.93						
97.0-102.0	3.0	Considerable white quarts replacing equigranular pyrite and silica.	533	5.0			0.39	0.98						
102.0-107.0	2.7	Wehlike patterns of pyrite in silicified sericite schist. A little pyrrhotite with sparse chalcopyrite	534	5.0			0.39	0.40						
107.0-112.0	3.2	Fine pyrite replacing interbanded sericite and graphitic schist. Sparse reddish brown sphalerite	535	5.0			0.48	0.30						
112.0-114.7	2.7	Graphitic schist partially replaced by fine pyrite and pyrrhotite. Some interbanded sericite schist.	536	2.7			Tr	mil						
114.7-180.0	35.0	Light grey sericite schist. Shearing at 70° to core. A few small patches of pyrite and pyrrhotite, in some cases interbanded in the shearing. A little sphalerite in pyrite at 175.0												
180.0-258.0	52.0	Light grey sericite schist containing intermittent sections of interbanded chlorite. Shearing at 80° to core. A little pyrite and pyrrhotite in irregular small patches.												

DIAMOND DRILL RECORD

HOLE NO. 75

PROPERTY YAKOUBA CREEK Y.T.

SHEET NUMBER 3 | SECTION FROM 258.0 TO 436.0 | STARTED

LATITUDE | DATUM End | COMPLETED

DEPARTURE | BEARING | ULTIMATE DEPTH

ELEVATION | DIP | PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
258.0-261.0	3.0	Massive fine-grained pyrrhotite containing vestiges of sericite schist. Some magnetite present, following the relict banding at 80° to core. Sparse galena and sphalerite.	542	3.0			1.34	nil						
261.0-264.0	3.0	Same mineralisation as previous section to 262.0 Balance of sample is graphitic schist replaced by irregular threads of galena and fine pyrite.	543	3.0			0.76	0.82						
264.0-436.0	84.0	Light grey to medium grey sericite schist, a little interbanded chlorite. Shearing at 80° to core. A few patches of white quartz with a little chlorite and pyrrhotite in association. Some disseminated pyrrhotite from 302.0 to 303.0												
		End of hole at 436.0												
		Size of core: AX (1.-3/16") to 77.5 BX (7/8") to 436.0 end												
		Average recovery: 55.3												
		Recovery in mineralisation: 62.0												

DIAMOND DRILL RECORD,

HOLE NO. 76

PROPERTY VANGORDA CREEK Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 230.0 | STARTED Sept. 8, 1954

LATITUDE 26,218.94 | DATUM 4000 | COMPLETED Sept. 11, 1954

DEPARTURE 35,407.03 | BEARING | ULTIMATE DEPTH 366.0

ELEVATION 4,090.73 | DIP Vertical Hole | PROPOSED DEPTH To test magnetic anomaly #34

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0 - 20.0	(4')	Casing (overburden)												
20.0 - 32.5	12.5	Gabbro, medium grained. Texture non-ophitic. A little magnetite present, as determined by alnico magnet. From 19.7 to 20.5, a section of aphanitic dark green rock, possibly a partially re-constituted portion of wall rock.												
32.5 - 40.3	4.3	Medium grey sericite schist. Hornlets appearance, hard and brittle. Shearing at 80° to core. Some fragments of gabbro present.												
40.3 - 55.0	5.7	Marginal phase of the gabbro showing partial assimilation of the schist. Some well-developed feldspar from 52.0 to 55.0												
55.0 - 101.0	33.4	Dense, medium-grained gabbro. Weakly magnetic.												
101.0 - 111.0	8.0	Medium green, carbonatised section in the gabbro. Original character of rock destroyed. Fissile and mudded from 101.0 to 102.0												
111.0 - 126.0	5.6	Medium grained gabbro. Medium-grained feldspar.												
126.0 - 230.0	70.8	Porphyry. An intercalated section of brownish-grey aphanitic rock from 128.0 to 133.0; possibly a remnant of country rock, partically re-constituted. Some large well developed feldspar phenocrysts from 225.0 to 230.0. some anhedral quartz eyes in the greasy grey groundmass.												

DIAMOND DRILL RECORD,

HOLE NO. 76

PROPERTY VANGORDA CREEK Y.T.

SHEET NUMBER 2 SECTION FROM 230.0 TO 366.0 STARTED

LATITUDE DATUM End COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
230.0-237.0	6.0	Remnants of schist associated with white quartz-carbonate and numerous small carbonate stringers. Sparse pyrite.												
237.0-240.0	1.5	Same as previous section with several threads of reddish-brown sphalerite associated with pyrite.	544	3.0			0.48	0.82						
240.0-250.0	3.5	Fissile, highly carbonatized schist. Small patches of pyrite and white quartz.												
250.0-366.0	36.0	Graphitic schist interbanded with dark grey sericite schist. Fissile and highly buttoned. White quartz from 290.0 to 292.0. Sparse pyrite. Shearing at 80° to 90° to core.												
		End of hole at 366.0												
		Size of core: AX (1-3/16")												
		Average recovery: 54.1%												

DIAMOND DRILL RECORD,

HOLE NO. 77

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 166.0 | STARTED September 10, 1954

LATITUDE 28,589.62 | DATUM 4,000 | COMPLETED September 13, 1954

DEPARTURE 31,742.41 | BEARING | ULTIMATE DEPTH 348.0

ELEVATION 4,089.86 | DIP Vertical Hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-31.0	(9.4)	Casing (overburden)												
31.0 - 36.0	0.7	A few fragments of pyrite in a silica matrix. Sludge sent due to low recovery.							560	30-35			0.42	0.41
36.0 - 41.0	0.9	Same mineralization as previous section, replaced by a little white quartz. Sludge sent due to low recovery.								35-40	No Water Return			
41.0 - 46.0	1.3	Pyrite and silica with a little reddish-brown sphalerite. Relict banding at 90° to core.	545	5.0			2.07	8.33	561	40-50			0.36	1.80
46.0 - 51.0	2.7	Pyrite and silica well mineralized with galena and sphalerite. A little magnetite in the relict banding at 60° to core. Porous from 50.0 to 51.0.	546	5.0			3.84	6.10	Sludges small due to weak water return					
51.0 - 56.0	1.7	Pyrite and silica containing strong, fine-grained equigranular galena and sphalerite.	547	5.0			2.46	8.37						
56.0 - 61.0	3.0	Pyrite and silica with decreasing sphalerite and galena relative to previous section. A few small patches of white quartz.	548	5.0			2.85	2.22	562	50-60			3.11	10.29
61.0 - 63.0	0.6	A few fragments of pyrite and silica. Sludge sent due to low recovery.							563	60-70			1.12	1.11
63.0 - 67.0	0.6	Fragments of pyrite and silica as in previous section. Sludge sent due to low recovery.							Sludges small due to weak water return.					
67.0 - 72.0	5.0	Light grey sericite schist containing irregular patches of pyrite, pyrrhotite and sprose sphalerite. Shearing obscured by the replacing sulphide.	549	5.0			0.31	0.60						
72.0 - 166.0	53.7	Medium grey sericite schist. A little fine pyrrhotite and pyrite, and several irregular patches of white quartz. Shearing at 80° to core.												

DIAMOND DRILL RECORD,

HOLE NO. 77

PROPERTY VANGORD CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 166.0 TO 348.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
166.0 - 281.0	75.0	Light grey to medium grey sericite schist. Slightly talcose from 271.0 to 279.0. Scattered small patches of pyrite and pyrrhotite. Some interbanded graphitic schist form 229.0 to 232.0. One thread of sphalerite in quartz at 232.0												
281.0 - 287.0	3.2	Talc sericite schist. Fissile shearing at 80° to core. Massive pyrrhotite with vestiges of sericite schist from 281.0 to 282.5.												
287.0 - 291.0	3.1	Graphitic schist interbanded with dark grey sericite schist. Shearing at 80° to core.												
291.0 - 296.0	1.7	Graphitic schist interbanded with grey silica. Considerable fine pyrite throughout.	564	5.0			0.31	0.72						
296.0 - 301.0	1.7	Graphitic schist with interbanded pyrite and silica as in previous section.	565	5.0			0.50	0.78						
301.0 - 348.0	15.1	Light grey to medium grey sericite schist. Shearing at 80° to core.												
		End of hole at 348.0												
		Size of core Ax (1 3/16")												
		Average recovery: 53.6%												
		Recovery in mineralisation 48.6%												

DIAMOND DRILL RECORD, HOLE NO. 78

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 211.0 | STARTED September 11, 1954

LATITUDE 28,462.61 | DATUM 4,000 | COMPLETED September 14, 1954

DEPARTURE 31,592.11 | BEARING | ULTIMATE DEPTH 344.0

ELEVATION 4,076.04 | DIP Vertical hole | PROPOSED DEPTH To cross section mineralization.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-72.0 (69)		Casing(Overburden)												
72.0 - 76.0	4.0	Fragments of sericite schist and white quartz.							581	50-55			0.28	0.91
76.0 - 78.2	2.2	Light grey sericite schist, badly broken. Two fragments of closely-associated pyrite, galena and sphalerite at 62.0. Sludge sent for assay.							582	55-60			0.42	0.82
									583	60-65			1.70	5.21
66.0 - 71.0	5.0	Pyrite and silica well mineralized with galena and sphalerite. Vestigial banding at 10° to core.	550	5.0			2.66	11.21			16' - 8.42			
71.0 - 76.0	5.0	Massive pyrite with a few small patches of white quartz. A few threads of galena and sphalerite.	551	5.0			2.40	2.10						
76.0 - 81.0	5.0	Pyrite and silica closely associated with fine galena and sphalerite. A few irregular patches of white quartz.	552	5.0			0.62	1.02						
81.0 - 86.0	5.0	Fine grained pyrite and silica, containing irregular threads of white quartz. Sparse galena and sphalerite.	553	5.0			1.09	0.59						
86.0 - 91.0	5.0	Massive pyrite and silica with some associated pyrrhotite and white quartz.	554	5.0			0.42	0.10						
91.0 - 96.0	5.0	Pyrite and silica with a little galena and reddish-brown sphalerite; a little pyrrhotite. Talcose sericite schist from 94.0 to 96.0.	555	5.0			0.78	2.91						
96.0 - 101.0	2.6	Remnants of light grey sericite schist in massive pyrite; a little sphalerite and magnetite in the pyrite.	556	5.0			0.39	1.23						
101.0 - 106.0	2.3	Massive pyrite containing remnants of sericite schist. Sparse chalcopyrite.	557	5.0			0.28	0.60						
106.0 - 111.0	3.5	Massive pyrite with small patches of white quartz and remnants of sericite schist.	558	5.0			0.04	0.30						

DIAMOND DRILL RECORD,

HOLE NO. 78

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 111.0 TO 252.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
111.0 - 113.6	1.6	Irregular patches of pyrite and pyrrhotite in sericite schist.	559	2.0			0.03	0.98						
113.6 - 138.0	24.2	Light grey to medium grey sericite schist with a little interbanded graphitic schist. Shearing at 80° to core. A few small patches of pyrite.												
138.0 - 203.0	27.0	Medium grey sericite schist containing short sections of interbanded graphitic schist. Shearing at 80° to core.												
203.0 - 221.3	19.9	Graphitic schist interbanded with grey silica. Shearing crenulated in part but averaging about 80° to core. Some pyrite disseminated throughout.												
221.3 - 226.0	4.5	Graphitic schist interbanded with grey silica. Considerable fine pyrite and a few small stringers of pyrrhotite - chalcopyrite.	560	5.0			0.25	nil						
226.0 - 231.0	5.0	Graphitic schist with mineralization similar to previous section.	567	5.0			0.33	nil						
231.0 - 236.0	5.0	Graphitic schist interbanded with silica and replaced by irregular patches of pyrite and small stringers of pyrrhotite- chalcopyrite.	568	5.0			0.53	0.20						
236.0 - 237.6	1.6	Graphitic schist and interbanded silica mineralized as in previous section.	569	1.6			0.31	0.50						
237.6 - 242.0	4.4	Graphitic schist and silica with fine interbanded pyrite. Shearing at 80° to core.	570	4.4			0.59	0.89						
242.0 - 247.0	5.0	Graphitic schist, mineralized as in previous section Shearing contorted.	571	5.0			0.36	nil						
247.0 - 252.0	5.0	Crenulated graphitic schist and silica containing a little pyrrhotite and sparse sphalerite in strong pyrite mineralization.	572	5.0			0.22	0.20						

DIAMOND DRILL RECORD,

HOLE NO. 78

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 1 SECTION FROM 252.0 TO 344.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
252.0 - 257.0	1.7	Graphitic schist, crenulated and interbanded with silica. Some pyrite and pyrrhotite present.	573	5.0		~~0.83~~	0.33	Tr						
257.0 - 262.0	2.3	Same as previous section to 259.0. Sericite schist fragments from 259.0 to 262.0.	574	5.0			0.59	0.48						
262.0 - 267.0	4.4	Talcose sericite schist containing several irregular patches of pyrrhotite. Shearing at 80° to core.	p575	5.0			0.20	nil						
267.0 - 272.0	4.0	Crenulated graphitic schist and silica. Some pyrite and pyrrhotite disseminated throughout.	576	5.0			0.56	0.20						
272.0 - 277.0	4.0	Mainly grey silica and pyrite with some interbanded graphitic schist. A little pyrrhotite and chalcopyrite. Vestigial banding at 80° to core.	577	5.0			0.67	nil						
277.0 - 282.0	4.4	Grey silica replaced by irregular patches and threads of pyrite. Vestigial banding at 70° to core. Some galena and sphalerite from 281.0 to 282.0.	578	5.0			0.70	1.02						
282.0 - 287.0	2.8	Same as in previous section. Sparse galena and sphalerite.	579	5.0			0.03	1.31						
287.0 - 292.0	3.7	Banded silica and pyrite to 288.5. Graphitic schist and silica containing disseminated pyrite and pyrrhotite from 288.2 to 292.0	580	5.0			0.39	nil						
292.0 - 308.0	2.4	Fragments of brittle graphitic schist. A few quartz threads and sparse pyrite.												
308.0 - 344.0	12.0	Medium grey sericite schist. Shearing @ 80° to core. A few quartz threads present.												
		End of hole at 344.0												
		Size of core: Ax (1 3/16")												
		Average recovery 58.9%												

Recovery in mineralisation 82.9%

DIAMOND DRILL RECORD,

HOLE NO. 7

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 517.0 | STARTED September 12, 1954

LATITUDE 28,433.56 | DATUM 4,000 | COMPLETED September 17, 1954

DEPARTURE 34,637.35 | BEARING | ULTIMATE DEPTH 571.0

ELEVATION 4,265.59 | DIP Vertical Hole | PROPOSED DEPTH To test magnetic anomaly.

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
	(0.6)													
0.0-2.0		Casing (overburden)												
2.0 - 91.0	44.5	Medium grey sericite schist. Shearing at 80° to core. The schist is fairly compact and does not break readily on the shear planes.												
91.0 - 115.0	11.4	Graphitic schist. Dense, carbonaceous and brittle with very little interbanded silica. Sparse pyrite.												
115.0 - 211.0	86.5	Medium grey sericite schist. Shearing at 80° to 90° to core. A few small white quartz patches. Some interbanded grey silica, of a quartzitic nature. Sparse pyrrhotite in short threads. The rock is non-magnetic per the alnico magnet. A little biotite present.												
211.0 - 352.0	100.2	Medium grey to dark grey sericite schist. The schist is not fissile and the sericite development is not as strong as in the main zone at Vangorda Cr. The schist has an argillaceous odour when wet. Shearing at 80° to core. A few small patches of white quartz. Some interbanded graphitic schist from 342.0 to 344.0.												
352.0 - 387.0	29.4	Dark grey sericite schist interbanded with considerable graphitic schist, silica and intermittent bands of brown, fine-grained biotite. A few white quartz threads.												
387.0 - 467.0	48.5	Dominantly graphitic schist. Some interbanded silica, fine biotite and chlorite. The rock is almost gneissic rather than schistose. Sparse pyrrhotite, and pyrite in short threads.												
467.0 - 517.0	30.0	Graphitic schist interbanded with some fine granular silica. Sparse pyrite. Shearing at 70° to core. Several short sections of interbanded sericite schist.												

DIAMOND DRILL RECORD, HOLE NO. 3

PROPERTY VANGROM CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 517.0 TO 571.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
517.0 - 571.0		Medium grey to dark grey sericite schist. Shearing at 80° to core. Several small patches of white quartz.												
		End of hole at 571.0												
		Size of core: Ax (1 3/16")												
		Average recovery: 61.6%												

DIAMOND DRILL RECORD,

HOLE NO. 60

PROPERTY YANGORDA CREEK, Y. T.

SHEET NUMBER 1 | SECTION FROM 0.0 TO 68.0 | STARTED September 14, 1954

LATITUDE 28,437.85 | DATUM 4,000 | COMPLETED September 18, 1954.

DEPARTURE 31,873.12 | BEARING | ULTIMATE DEPTH 351.0

ELEVATION 4,095.40 | DIP Vertical hole | PROPOSED DEPTH To cross-section mineralization

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	SLUDGE FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
0.0-26.0	(7.9)	Casing (overburden)												
26.0 - 31.0	1.6	Fragments of greyish-white kaolinized sericite schist with irregular patches of pyrite. Relict banding at 80° to core.	584	5.0			0.28	nil	605	25-30			0.89	1.43
31.0 - 36.0	3.0	Fine-grained pyrite with irregular patches of grey silica and remnants of kaolinized sericite schist. A little magnetite from 35.5 to 36.0.	585	5.0			0.64	0.90	606	30-35			2.06	2.68
36.0 - 41.0	3.8	Same as previous section to 38.0. Balance of section is an equigranular fabric of pyrite, silica galena and sphalerite.	586	5.0			1.48	2.83						
41.0 - 46.0	2.9	Closely-associated pyrite, silica, galena and sphalerite. Rock is semi-porous.	587	5.0			3.09	8.73						
46.0 - 51.0	3.7	Pyrite, silica, galena and sphalerite in a fine-grained fabric.	588	5.0			2.29	7.83						
51.0- 53.0	1.5	Same mineralization as previous section.	589	2.0			3.29	9.65						
53.0- 58.0	0.1	One fragment of pyrite, galena, sphalerite and silica. Sludge sent for assay due to low recovery.							607	50-55			1.82	7.24
58.0- 63.0	2.7	Pyrite and silica streaked with galena and sphalerite. Considerable magnetite from 62.0 to 63.0	590	5.0			3.54	4.82						
63.0- 68.0	4.0	Pyrite with irregular patches of silica in about equal quantity.	591	5.0			0.61	0.38						

DIAMOND DRILL RECORD,

HOLE NO. 80

PROPERTY VANGORDA CREEK, Y. T.

SHEET NUMBER 2 SECTION FROM 68.0 TO 169.8 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
68.0 - 73.0	5.0	Pyrite and silica as in previous sections, with several small patches of pyrrhotite. Sparse chalcopyrite.	592	5.0			0.39	nil						
73.0 - 78.0	5.0	Fine-grained pyrite and silica in about equal amounts.	593	5.0			0.50	tr						
78.0 - 83.0	5.0	Same mineralization as previous section	594	5.0			0.45	0.30						
83.0 - 88.0	2.8	Closely-associated pyrite and silica as in previous sections. The rock is hard and brittle.	595	5.0			0.03	nil						
88.0 - 93.0	2.6	Fine-grained pyrite and silica. Sparse pyrrhotite and chalcopyrite.	596	5.0			0.31	0.60						
93.0 - 98.0	4.5	Pyrite and pyrrhotite in irregular patterns in a silica matrix.	597	5.0			0.45	0.99						
98.0 - 103.0	5.0	Same as previous section. Some remnants	598	5.0			0.31	0.68						
103.0 - 108.0	2.8	Remnants of sericite schist containing threads and small patches of pyrite. Sparse sphalerite.	599	5.0			0.87	1.10						
108.0 - 113.0	3.9	Silicified sericite schist containing irregular patches of pyrite. Core badly broken.	600	5.0			0.22	0.43						
113.0 - 116.5	1.8	Sericite schist with pyrite from 113.0 to 114.0. Balance of section is interbanded graphitic schist and silica containing considerable fine pyrite.	601	3.5			0.54	0.94						
116.5 - 120.0	1.8	Sericite and graphitic schist fragments. A few threads of pyrite with a little associated galena and sphalerite.	602	3.5			0.28	0.70						
120.0 - 169.8	6.9	Fragments of sericite schist and white quartz. Recovery low, possibly indicative of a gouge-filled fault zone. Sparse pyrite in the fragments.												

DIAMOND DRILL RECORD,

HOLE NO. 80

PROPERTY VANCOUVER CREEK, Y. T.

SHEET NUMBER 3 SECTION FROM 169.8 TO 219.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
169.8 - 174.0	4.2	Graphitic schist interbanded with grey silica. Shearing at 80° to core. Considerable pyrite with some associated galena and sphalerite.	603	4.2			1.23	1.12						
		PLEASE NOTE: Due to caving conditions, E casing was run, and reduction to E core made at 174.0.												
174.0 - 179.0	5.0	Graphitic schist with interbanded silica in variable amounts. Considerable fine-grained pyrite. Sparse pyrrhotite and sphalerite.	604	5.0			0.20	nil						
179.0 - 184.0	5.0	Same mineralization as previous section	608	5.0			0.08	Tr						
184.0 - 189.0	2.9	Fine-grained pyrite and silica with vestiges of graphitic schist. Some threads and small patches of pyrrhotite.	609	5.0			0.06	nil						
189.0 - 194.0	5.0	Massive pyrite containing vestiges of graphitic schist. Several small patches of magnetite. Sparse sphalerite.	624	5.0			0.22	nil						
194.0 - 199.0	4.0	Pyrite and silica with vestiges of graphitic schist. Banding at 80° to core.	625	5.0			0.34	0.10						
199.0 - 204.0	5.0	Graphitic schist with a little interbanded pyrite.	626	5.0			0.22	nil						
204.0 209.0	3.1	Graphitic schist and interbanded silica containing considerable pyrite, galena and sphalerite.	627	5.0			2.44	6.63						
209.0 - 214.0	4.8	Finely-banded graphitic schist, silica and pyrite at 80° to core. A little reddish-brown sphalerite.	628	5.0			0.98	2.22						
214.0 - 219.0	3.4	Same mineralization as previous section.	629	5.0			0.28	0.20						

DIAMOND DRILL RECORD,

HOLE NO. 30

PROPERTY VANGORDA CREEK V. 2.

SHEET NUMBER 5 SECTION FROM 274.0 TO 351.0 STARTED

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	CORE RECOV	DESCRIPTION	CORE SAMPLE NO.	FOOTAGE	CORE ASSAYS AG.	CU.	PB.	ZN.	SLUDGE SAMPLE NO.	FOOTAGE	SLUDGE ASSAYS AG.	CU.	PB.	ZN.
274.0 - 279.0	5.0	Same mineralization as previous section. Pyrite and silica in close association from 277.0 to 279.0. A little sphalerite and galena throughout.	642	5.0			3.22	5.51						
279.0 - 284.0	3.3	Graphitic schist interbanded with grey silica and considerable fine pyrite. Sparse sphalerite and galena.	642	5.0			2.11	4.22						
284.0 - 289.0	3.4	Light grey sericite schist, slightly talcose. Shearing at 80° to core. Graphitic from 284.0 to 287.0. Some interbanded pyrite.	643	5.0			0.44	1.18						
289.0 - 294.0	3.2	Light grey sericite schist as in previous section with several irregular patches of pyrrhotite and pyrite.	644	5.0			0.04	0.20						
294.0 - 351.0	33.5	Light greenish-grey fissile sericite schist. Greenish cast due to interbanded chlorite. Shearing at 80° to core. Several small white quarts patches.												
		End of hole at 351.0												
		Size of core: AX (1 3/16") to 274.0 BX ($\frac{7}{8}$") to 351.0 End.												
		Average Recovery: 65.8%												
		Recovery in Mineralization: 81.2%												