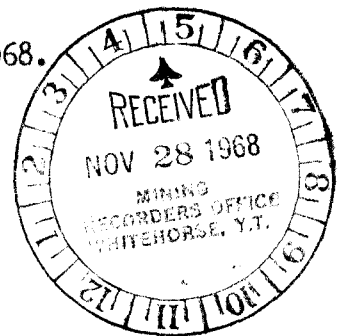


November 20, 1968.



New Imperial Mines Ltd.

GEM-1

DIAMOND DRILLING

<u>Hole No.</u>	<u>Section</u>	<u>Co-Ordinate</u>	<u>Dip</u>	<u>Elevation</u>	<u>Length</u>
K-31	5,754 E	7,570 N	45°S	2637.4	152
G-1	5,650 E	7,715 N	65°S	2624.6	186.5
G-2	5,650 E	7,650 N	60°N	2630.4	208
G-3	5,550 E	7,750 N	55°S	2625.0	172
G-4	5,550 E	7,825 N	55°S	2621.7	241.5
TG-5	5,700 E	7,740 N	65°S	2622.7	257.5
TG-6	5,700 E	7,810 N	65°S	2621.7	382.0
TG-7	5,400 E	7,870 N	65°S	2612.8	265.0
TG-8	5,750 E	7,740 N	65°S	2622.7	204.0
TG-9	5,600 E	7,200 N	50°N	2662.1	329
TG-10	5,600 E	7,130 N	52°N	2660.7	272
G-11	5,800 E	7,370 N	50°N	2654.7	<u>448</u>
				Total	3,117.5 ft.

AQ wireline - 3,117.5 ft @ \$9.00/ft. = \$28,057.50

Drill core stored in New Imperial Mines Ltd. warehouse coreshack near Mile 910.3 McCrae area.

T denotes drill hole collared with Tri-Cone bit and drilled until hard rock is encountered and changed to AQ wireline.

091116

R. G. Hilker,
Chief Geologist.

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

02116

20-24

PROPERTY <u>GEM</u>	Claim No. <u>GEM 1</u>	Strike <u>North</u>	Lat. <u>5,650E (14+50)</u>	Hole No. <u>G-2</u>
Date <u>Apr 9</u> 19 <u>68</u>	Section No. <u>G.S.-3</u>	Dip <u>60°</u>	Dep. <u>7,650N (2+50)</u>	Total Depth <u>208 FT</u>
Logged By <u>R.G. McCandless</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2630.4 Ft.</u>	Page No. <u>1 OF 3</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	10	%B OVERBURDEN										
10	21.5	2dgf SKARN - mineralized diopside garnet feldspar. f.gv. diopside garnet skarn with sections of dioritized diopside feldspar approaching diorite. Mineralized with malachite as stringers and coatings	malachite	2%								
		Samples 10.0 to 15.0			527	5.0	4.5	0.84	↑	↑	↑	
		15.0 to 21.5			528	6.5	6.5	1.12				
21.5	42.0	1s SKARN - magnetite serpentine black f.gv. magnetite with yellow-green serpentine as clots and veinlets. Calcareous in places. Inclusions to 2ft of dioritized feldspar. Mineralized with malachite and finely dis. chalcocite.	magnetite	30%								
		Samples 21.5 to 27.0	malachite	1-2%	529	5.5	4.0	1.23	12.37	0.03	0.005	0.40
		27.0 to 32.0	chalcocite	1%?	530	5.0	5.0	1.50				
		32.0 to 37.0			531	5.0	4.0	2.59				
		37.0 to 42.0			532	5.0	4.5	3.70				

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>G-2</u>
Date <u>Apr. 9</u> 19 <u>68</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>R.G. McC</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 of 3</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
42.0	52.0	25g SKARN - mineralized serpentine garnet green fig. greenish garnet with interstitial serpentine and some calcite. Mineralized with chalcocite and malachite.	magnetite	10-15%								
			chalcocite	3%								
			malachite	1%				12.37	0.03		0.005/0.10	
		Samples 42.0 to 46.0			533	4.0	4.0	2.05				
		1s 46.0 to 47.5 inclusion of magnetite serpentine										
		46.0 to 52.0			534	6.0	6.0	2.35	↓	↓	↓	
52.0	130.0	1a SKARN - magnetite serpentine black fig. massive magnetite with serpentine, minor chlorite, feldspar. Mineralized with diss. chalcocite in places	magnetite	50%								
			chalcocite	2%?								
			native Cu	1-1/2%								
			Valleriite	<1/2%?								
		Samples 52.0 to 57.0			535	5.0	5.0	0.36	↑	↑	↑	
		57.0 to 64.0			536	7.0	7.0	0.64				
		64.0 to 71.0			537	7.0	7.0	3.23				
		Aq w/ core 71.0 to 78.0			538	7.0	6.5	2.77				
		78.0 to 85.0			539	7.0	2.7	3.93	19.59	0.09	0.01/0.58	
		9B Inclusion of V.F.G. basic dike 81.5 to 85.0 ^{89.0} ft.										
		From Nx core 80.0 to 85.0			540	5.0	3.5	1.80				
		85.0 to 89.0			541	4.0	3.0	0.48	↓	↓	↓	
		89.0 to 100.0 has fragments approaching diorite, also little dike			542	11.0	2.0	1.63	↑	↑	↑	
		100.0 to 106.0			543	6.0	2.5	0.04				
		106.0 to 111.0			544	5.0	3.5	2.60				

01116

DD-24

NEW IMPERIAL MINES LIMITED

MINING DIVISION - WHITEHORSE

YUKON TERRITORY

✓ DENOTES HOLE DRILLED WITH TRI-CONE BIT

PROPERTY <u>GEM</u>	Claim No. <u>GEM-1</u>	Strike <u>SOUTH</u>	Lat. <u>5700E (15+00E)</u>	Hole No. <u>TG-5</u>
Date <u>MAY 18 19 68</u>	Section No. <u>G.S.-4</u>	Dip <u>65°</u>	Dep. <u>7740N (340N)</u>	Total Depth <u>257.5 Ft.</u>
Logged By <u>R.G. HILKER</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2622.7</u>	Page No. <u>1</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION				ASSAY DATA					
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
0	10	Overburden - glacial sand & gravel.										
10	25	1/2 Limestone - marbled, milky white, in parts serp & chlorite or partly a shorn. Some magnetite present. Cuttings a light brownish color.			557	10		TR				
25	35	3/5 Shorn / limestone - chlorite, actinolite or diopside, magnetite crystals - scattered, cuttings are most-ly green. Serp. and odd garnet. Limestone staining, possible some hematite.			558	10		TR		TR		
35	50	3 Shorn - chloritized, feld, chlorite, actinolite, slightly magnetic, speckled white and grey rock type - plagioclase & quartz. Some crystals of marbled ls. Dark greenish grey cuttings.			559	15		TR		TR		

NEW IMPERIAL MINES LIMITED
 MINING DIVISION - WHITEHORSE
 YUKON TERRITORY

PROPERTY <u>GEM.</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>TG-5</u>
Date _____ 19____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>4</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
130	210	1/5 <i>massy / serp. - / limestone - assay</i>										
		130-140			567	10		1.01		0.015		
		140-150			568	10		0.87				
		150-160			569	10		0.27				
		160-170			570	10		0.64				
		170-180			571	10		0.74				
		180-190			572	10		0.74		0.013		
		190-200			573	10		1.21				
		200-205			574	5		1.01				
		205-210			575	5		0.91				
		<i>Hole changed from Tr-Cone bit drilling to AXQ-wireline coreing. - May 19 - P.M. - Day Shift.</i>										

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>(T) G-6</u>
Date <u>June 3</u> 19 <u>68</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>R. G. McC.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>4 of 6</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
		- Drilled with Tricone bit to 265ft -										
<u>265</u>	<u>274.0</u>	<u>9B</u>	<u>DIKE - basic CI = 65 dk greenish grey, v.f. gr.</u>		<u>pyrites</u>	<u>1/2%</u>						
			<u>probable basic dike composed of dark flecks in greyish feldspar, and having intergrowths of lath-like feldspar 2mm up to 2mm long. Lower contact well defined, but without aphanitic layer. at 15°</u>									
<u>274.0</u>	<u>277.5</u>	<u>8b</u>	<u>DIORITE - lightly altered CI = 45 f to m. gr. diorite with part of dark minerals altered to probably diopside (actinolite?). lower contact 10° or less, enriched with epidote</u>									
<u>277.5</u>	<u>283.0</u>	<u>9B</u>	<u>DIKE - basic dk greenish grey - as for 265 to 274.0</u>									
<u>283.0</u>	<u>285.5</u>	<u>8a</u>	<u>DIORITE - altered lt. greenish grey f to m. gr. altered diorite having patches of very fine gr. equigranular diopside-feldspar on a section of diorite having blurred Xtal outlines and diss. diopside. Some portions soft and kaolinized</u>									

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>(T) G-6</u>
Date <u>June 3 19 68</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>R.G. McC.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>6 of 6</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
361.0	376.5	9B	DIKE - basic dk. grey v.f.gr. basic dike as for 265 to 274.0. Coarser grained sections appear to be nearly gabbroic. Numerous calcite veinlets. Lower contact very sharp, at 35-40°. Center of section light coloured and approaching andesite in appearance.									
376.5	381	8b	DIORITE - fresh to lightly altered hornblende diorite fine to med. gr. Minor alteration in places, with epidote veinlets and v.f.gr. grey inclusions.									
381			END HOLE DDH (T) G-6 A@W/L 0 to 265' 4" Tri-cone rotary drilled dip tests collar = 65° 150 ft = 66° 300 ft = 66°									

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

01116

DD-24

PROPERTY <u>GEM</u>	Claim No. <u>GEM 1</u>	Strike <u>SOUTH</u>	Lat. <u>5400E (12+00)</u>	Hole No. <u>TG-7</u>
Date _____ 19 _____	Section No. <u>G.S.-6</u>	Dip <u>65°S</u>	Dep. <u>7870N (4+70)</u>	Total Depth <u>265.0'</u>
Logged By <u>R.G. McCANDLESS</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2612.8</u>	Page No. <u>2 of 3</u>

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ. SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
		From 10 to 137 drilled with tri-cone bit, sludge samples taken for logging										
137.0	154.0	4X ARKOSE - granitized impure greyish f.g. Section is probably 55-60% feldspar - both white and grey coloured, fine gr. anhedral. Diss. throughout is pyrites and very fine gr. dark material. Some portions have brownish quartz-rich bands, and others ^{have} greenish sections rich in diopside and approaching skarn.	pyrites	1-2%								
154.0		Samples: 137.0 to 144.0			595	7.0	7.0	Tr.				
		144.0 to 149.0			596	5.0	4.6	0.02				
		149.0 to 154.0			597	3.0	3.5	Tr.				
154.0	157.5	75 GRANODIORITE - greyish Qtz = 35 f.g. granodiorite to monzonite with little quartz and variable hornblende. Little pyrites	pyrites	1%								
		Samples 154.0 to 157.5			598	3.5	3.0	0.02				
157.5	163.0	3g1 SKARN - calcareous diopside garnet brownish f.g. garnet in calcareous diopside with minor feldspar, dark minerals										
		Sample 157.5 to 163.0			599	5.5	5.1	Tr.				

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY <u>GEM</u>	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>G-7</u>
Date <u>June 10</u> 19 <u>68</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>R. S. McC.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 3</u>

FOOTAGE		ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ. SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
163.0	188.0	7b	GRANODIORITE - Altered weathered brownish granitic granodiorite lightly altered and kaolinized; with iron stain and calcite veinlets in places. Poor recovery in this section, core fragments 9B Recovery 16.8ft in 25ft. Narrow 9B at 176ft.									
188.0	237.0	8b	DIORITE - CI = 60 fresh f.g. hornblende diorite. Narrow basic dike at 193ft. From 195.5 diorite has variable grain size and hornblende content, arranged in sub parallel bands. Occasional clots of pinkish feldspar. 9A Porphyritic acid dike at 213.0ft									
237.0	265.0	9A	DIKE - Acid to intermediate porphyritic v.f.g. acid to intermediate dike with porphyroblasts to 5mm of feldspar - badly fractured and broken in places - contact obscured.									
265.0			END HOLE. DDH (T)G-7 65°S dip test									

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

09/10

Drill hole 200' - 5-80

DB-24

PROPERTY GEM
Date June 11 19 68
Logged By R. G. McCandless

Claim No. Gem 1
Section No. G.S. 5
Plan No. _____

Strike SOUTH
Dip 65°
Level Surface

Lat. 5,750 E (15+50)
Dep. 7,740 N (3+40)
Elev. 2622.7

Hole No. G-8
Total Depth 204.0 ft.
Page No. of 3

FOOTAGE		ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE	MINERALIZATION		ASSAY DATA							
From	To		TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
		to 130 ft drilled with Tri-cone bit.										
130	140.0	76 GRANODIORITE - CI=50 greenish fine to med. gr. Fresh to altered granodiorite with some diopside alteration, and actinolite. "Blocky" 9A Aplite dike 136 1/2 to 137.										
140.0	144.5	1s SKARN - magnetite serpentine greenish v.f. gr. Serpentine with diss. calcite and possibly diopside. Bands and veinlets of magnetite in the serpentine. No visible copper mineralization. Sample 140 to 144.5	magnetite 10% chalcocite ?									
					619	4.5	3.0					
144.5	146.5	3df SKARN - dioritized diopside feldspar greenish f. gr. equigranular feldspar and diopside with flecks of garnet, and minor epidote Sample 144.5 to 146.5										
					620	2.0	2.0			0.032	0.03/1.16	
146.5	150.5	1s SKARN - magnetite serpentine - as for 140-144.5 gauge/bretoria at 150.5' Sample 146.5 to 150.5										
					621	4.0	3.3					

NEW IMPERIAL MINES LIMITED
 MINING DIVISION - WHITEHORSE
 YUKON TERRITORY

PROPERTY GEM
 Date June 22 19 68
 Logged By R. G. McC

Claim No. _____
 Section No. _____
 Plan No. _____

Strike _____
 Dip _____
 Level _____

Lat. _____
 Dep. _____
 Elev. _____

Hole No. G-9
 Total Depth _____
 Page No. 3 of

FOOTAGE			ROCK CLASSIFICATION <small>EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE, TEXTURE</small>	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0.0	156.0	8b	ANDESITE - CI=45 v.f.gr. v.f.gr. andesite with calcite veinlets, badly broken and fractured. Little magnetite at 121ft.										
156.0	166.0	3ds	SKARN - diopside feldspar greenish v.f.gr. diopside with feldspar as massive lt. greenish material, and having variable diss. calcite > serpentine > garnet. Some sections very soft.										
166.0	186.5	1s	SKARN - magnetite serpentine black v.f.gr. massive magnetite with serpentine and some calcareous material. Little bornite in places Samples. 166.0 to 174.0 174.0 180.0 180.0 186.5	magnetite 30% bornite 1/2 %		641 642 643	8.0 6.0 6.5	6.0 4.6 3.0	1.74 0.90 3.67				
186.5	190.0	8b	ANDESITE - CI=45 as for 120.0 to 156.0 has a greenish cast, but not altered.										
190.0	198.0	1s	SKARN - magnetite serpentine - as for 166.0 to 186.5 Samples. 190.0 to 198.0	magnetite 25% chalcopirite 1/2%		644	8.0	8.0	3.05				

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

09116

dip test 290-50° DB-24

PROPERTY <u>GEM</u>	Claim No. <u>Gem 1</u>	Strike <u>North</u>	Lat. <u>5,600 E</u>	Hole No. <u>G-10</u>
Date <u>July 4 19 68</u>	Section No. <u>5,600E</u>	Dip <u>52°</u>	Dep. <u>7,130 N</u>	Total Depth <u>272.0 Ft.</u>
Logged By <u>Robert G. McCANDLESS</u>	Plan No. <u>G.S.-2</u>	Level <u>Surface</u>	Elev. <u>2660.7'</u>	Page No. <u>1 of 3</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
0	34	0/B	OVERBURDEN										
34	63.5	5B	LIMESTONE - grey recrystallized f.g. banded carbonaceous to creamy white limestone badly broken with minor serpentine in places.										
63.5	100.0	3dg	SKARN - calcareous diopside garnet greenish v.f.gr. Soft weathered section has diopside and garnet in equal proportions to calcite. Minor serpentine in places. Mineralized sporadically with magnetite, BOE and finely divided pyrites. No visible ex-mineralization	magnetite	5%								
				pyrites	1 1/2%								
100.0	117.4	5B ~	LIMESTONE - recrystallized carbonaceous as for 34 to 63.5 104 to 106 - plug of greenish clay with 1/8 fragments.										
117.4	180.5	8b ~	ANDESITE - dk. greenish gray v.f.gr. top of section may be faulted - some gouge and clay. gradual change in grain size down hole from v.f.gr. to f.gr. Sometimes porphyritic in feldspar. This section could be excavated or sill, but lacks sharp contacts.										

1589
17886

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

DD-24

091116

PROPERTY <u>GEM</u>	Claim No. <u>GEM 1</u>	Strike <u>North</u>	Lat. <u>5,800 E</u>	Hole No. <u>G-11</u>
Date <u>July 22 19 68</u>	Section No. <u>5,800 E</u>	Dip <u>50°</u>	Dep. <u>7,370 N</u>	Total Depth <u>448 ft.</u>
Logged By <u>R. G. McCANDLESS</u>	Plan No. <u>G.S.-7</u>	Level <u>Surface</u>	Elev. <u>2654.7</u>	Page No. <u>1 OF 4</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL
0	22	9B	OVERBURDEN										
22	41.0	3d	SKARN - calcareous diopside SKARN green f.g. badly broken section with poor core recovery. Includes portions of basic dike, and iron stained calcareous material with diopside SKARN.										
41.0	94.0	5B	LIMESTONE - yellowish serpentinized carbonaceous recrystallized banded grey f.g.										
94.0	102.0	9A	DIKE - acid porphyry CI = 60 v.f.g. acid dike porphyritic in feldspar, speckled or mottled appearance.										
102.0	122.0	15	SKARN - magnetite serpentine black v.f.g. massive magnetite with clots & veins of yellowish serpentine. Very calcareous in places. Mineralized with finely diss. chalcopryite at top of section, and tiny vanillets of native copper in calcareous sections.	magnetite	35%								
				chalcopryite	1/2%								
				copper	1/2%								
				chalcocite	1/2%								
			Sample 102.0 to 110.0			751	8.0	8.0	1.80				
			110.0 to 116.0			752	6.0	6.0	0.38				
			116.0 to 122.0			753	6.0	6.0	2.30				

NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>G-11</u>
Date <u>July 23 19 68</u>	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By <u>R.G. McC.</u>	Plan No. _____	Level _____	Elev. _____	Page No. <u>3 of 4</u>

FOOTAGE			ROCK CLASSIFICATION EPID. DIOP. GARN. SERP. QTZ/SIL. ACTINO. TREMO. CHLO. CRYSTALLINE. SHEARING. VEINS. FRACTURING. FOLIATION. GRAIN SIZE. TEXTURE	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	SAMPLE NO.	WIDTH	RECOV.	%CU	%FE	MOLY	AU/AG	INSOL.
198.0	202.0	1d	SKARN - calcareous magnetite diopside dk. grey v.f. gr. magnetite in diopside with calcite and abundant garnet. No visible copper mineralization Sample 198.0 to 202.0	magnetite	45%	766	4.0	3.4	1.98				
202.0	222.0	7a	GRANODIORITE - altered pinkish grey v.f. gr. granodiorite altered with partial replacement of feldspar by diopside, veined by pinkish feldspar										
222.0	229.0	2d	SKARN - mineralized diopside grey/green f. gr. diopside with calcite diss. magnetite has inclusions of altered diorite and dioritized feldspar diopside skarn. Trace of cpy. Sample 222.0 to 229.0	magnetite chalcopryite	30% Tr.	767	7.0	6.3	0.30				
229.0	249.5	7a	GRANODIORITE - altered - as for 202.0 to 222.0, but becoming fresher towards section bottom.										
249.5		1d	SKARN - magnetite diopside black f. gr. magnetite with diopside, minor serpentine, calcite veinlets. Mineralized with diss. chalcopryite and bornite in places Sample 249.5 to 258.0	magnetite bornite chalcopryite	40% 4 1/2% 1/2-1%	768	9.3	5.0	3.20				

