

DIAMOND DRILL LOG

PROPERTY:	Whitehorse Copper Mines	LOCATION:	Black Cub North
CLAIM No:	Jim 13-85341	CORE SIZE:	NQ
HOLE No:	BLC-56	ANGLE:	-60°
DEPTH:	205'	GRID No:	BLC
DATE STARTED:	September 22, 1988	DIRECTION:	S
DRILLED BY:	E. Caron Diamond Drilling	CO-ORDINATES:	30+00E/28+00N
		DATE FINISHED:	September 25, 1988
		LOGGED BY:	R. Stroshein

DEPTH		DESCRIPTION OF CORE
From	To	
0.0	43.0	Overburden Glacial till. Clay, sand, and boulders.
43.0	46.0	Sheared light buff diorite. Core broken and oxidized with light rusty weathering and weak patchy malachite staining.
46.0	49.6	Dark grey green fine grained andesite. Angular inclusion of diorite @ 47'. Acute angled fractures at sub-parallel to 15° of core axis.
49.6	62.1	Sheared and broken light buff to light buff green medium grained diorite. Surface oxidation evident with rust and malachite staining along fractures. Core broken irregularly but distinct core angles of 65° and 35° recur along the section.
62.1	65.7	Dark grey green fine grained andesite. Irregular contact at 30° core angle. Prominent fractures throughout at 50° core angle. Surface oxidation evident on several fractures of rusty coloured surfaces.
65.7	72.9	Diorite, medium grained light buff coloured. Lower 2' of section is mixture of andesite stringers and skarnified sections. Scattered stringers of chalcopyrite and bornite.
		Sample No. 59001 67.9-72.9 Stringers of chalcopyrite and bornite.
72.9	78.0	Dark massive magnetite bornite skarn with minor disseminated pyrite and chalcopyrite, calcite, serpentine and epidote in patches and stringers. Core angle on sharp upper contact @ 65°. Lower contact @ 45°.
		75.0-75.4: Andesite band.
		Sample No. 59002 72.9-78.0 Massive magnetite bornite skarn.

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DEPTH		DESCRIPTION OF CORE
From	To	
78.0	81.5	Medium grained buff green diorite. Locally sheared scatter chalcopyrite stringer. Fractures common @ 50°.
81.5	86.0	Fine grained grey green andesite. Porphyritic with rounded white phenocrysts. Upper contact irregular roughly perpendicular to core axis. Lower contact at 45° with irregular quartz string and blebs of pyrite.
86.0	95.0	Medium grained grey green diorite. Core badly broken from 89.0-95.0. Rare fine quartz stringers with chalcopyrite.
95.0	98.2	Fine grained dark green andesite with fine white porphyritic phenocrysts. Core broken with rusty weathering on fractures. Core angles on fractures @ 30°.
98.2	115.7	Massive dark purplish black magnetite bornite skarn. Minor chalcopyrite dissemination in patchy sections. Serpentine and calcite in patches and stringers. Upper contact irregular approximately perpendicular. Mineralization cored very well with, total recovery.
		105.0-109.6: Fine grained green andesite dyke.
		111.2-115.7: Interbanded magnetite bornite and serpentine.
		Sample No. 59003 98.2-101.0 Massive magnetite Bornite.
		59004 101.0-104.0 Massive magnetite Bornite chalcopyrite.
		59005 109.6-111.2 Massive magnetite Bornite.
		59006 111.2-115.7 Banded magnetite bornite.
rep. sample	103'	
115.7	116.3	Green medium grained diorite and endo skarn-magnetite, serpentinite, epidote.
		Sample No. 59007 115.7-116.3 Bands magnetite bornite.

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DEPTH		DESCRIPTION OF CORE
From	To	
116.3	200.7	<p>Intermediate intrusive dyke (post ore) fine-medium grained light grey green locally porphyritic. Diorite becoming dark grey and more fine grained at 155.0. Core generally badly broken and blocky. Irregular fractures sub-parallel to core or near 40° c.a. Abundant but scattered rounded white phenocrysts in porphyritic sections. The lower section (andesite) very massive with only scattered white phenocrysts. Very fine white calcite stringers throughout commonly sub-parallel or at acute angle to core axis.</p> <p>Core very broken @ 174.5'-177.0'.</p> <p>Section 197.5-200.7 Fine grained diorite section (post ore).</p>
200.7	205.0	<p>Medium grained light grey green hornblende diorite. Andesite dyke 202.1-203.6. Light grey green, fine grained.</p>
	205.0	END OF HOLE