

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>E</u>	Lot. <u>3200S</u>	Hole No. <u>NS 14</u>
Date <u>6/7/</u> 19 <u>81</u>	Section No. _____	Dip <u>76 1/2</u>	Dep. <u>655W</u>	Total Depth _____
Logged By <u>A. HUREAU</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2730.59</u>	Page No. <u>1 OF 24</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	30	06	boulders										
30	52.5	89 1/4	mgait & diorite with incls Fg seds - volcanics to 3", also incls Fg porphyritic diorite excellent coning, bleeding along cone to 1cm										
52.5	52.8	33m	gn bkt SM										
52.8	62.2	3	sdg pale - dk grn SIT 6" bnd 30/3 @ 56', bedding in SIT 30° near lower ct										
62.5	70	89 1/4	as above, occ K fcls unit.										
70	109	3	d, c, s 1/5 pale & dk grn SIT 10c kms LS, Ca as cavity filling, subequal argite (bliss) x fcls to 3mm in pale grn matrix										

WHITEHORSE COPPER MINES

PLOTTED 40' SECTIONS

INITIALS
SM

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

INTXN. GRADE CHECKED

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✓

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P.O. BOX 4280
YUKON TERRITORYHole No. NS14 Page No. 2

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
108	114	3	glt & ca, dk red drn & grn sil with lower C + 60°										
114	154.7	8	1/3, 1/4, mggtz diorite sects mafic prob retextured sed, blded along fract, occ patches epidote grt & L. ? @ 140' dissem sq py thin bat 4, 8" bnd pyritic siltstone from 153' 80°	py	3								
154.7	155.6	4	g bro, py siltst blded pale grn @ lower C + 60°										
155.6	160	3	d, g, s, + / Ba, limy siltst & smonified diorite, 100 vugy, pyritic, as smonified siltst @ lower C +										
160	165	4	1/20, porphyroblastosed felds grains to 3mm, blded, along fract, retextured sed.										
165	175.3	3	d, g, / Ba, & ca, vugy endo siltst										
175.5	244	8	4 Fg-mg Hbl + gtdiorite sects as retextured sed & incis Fg seds ca fract 10m along core 186-189 ep on fract, pyritic, 2 cm g + 2 ca vug along core 213-217	py	4								

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Hole No. NS 14 Page No. 3

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From	To			TYPE	%	Sample No.	Width	Recov.	%Cu	%Fe	Moly	Au/Ag	Insol
179.5	240		Contd budding in Fg ssds (with 8a bud 3'') 238 to 240 30°, Lead e C + @ 238'										
240	251.5	3a	1/4 1/3 as above with e, d, g From 240-244, Lead 2 43.5-245.	Py	4								
251.5	253.5	3	d, f, g, 1/4 1/8a, Smeared sel, as 8a From 253'.										
253.5	262.3	9a	b gvn epidotized type incl 8a @ 257', dissem f9 Py C+S 20°	Py	2								
262.3	295	4	1/8a sects mafic alt'd biotite Eg, & porphyritic recrystallized ssds with dravitic text, rem Fg pyritic silts. 8a/3 d g z endo sk 272-273.5	Py	4								

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From	To			TYPE	%	Sample No.	Width	Recov.	% Cu	% Fe	Moly	Au/Ag	Insol
295	296.2	8a	alt d. diorite patches epidote 1 cm Ca veinlet along core										
296.2	298	3e, 8a/8a	limy vuggy 5M dioritic tect @ lower ct										
298	310.3	9g/8a	dk gy gran pyritic, chloritic hornfels incipient mesocrysts, fg dioritic tect along fract biding @ 60° @ 306'; 2" fg 8a @ 307' lower ct 60°	Py	1								
310.3	319	8a	fg alt d. diorite p. p. d. along fract. mafic chloritized. Incl fg mafic hornfels 315-316 lower ct 70°										
319	381	9g/8a	hornfels as above cut by R Feis rich dykes & veinlets 100 vuggy biding 70°, after fracturing? 8a 336-341 mg mafic 8a Biding @ 342' 55°, from 336 more cg poss retextured quartz quartz with sects mg alt d. diorite have R Feis veinlet, biding 50° where vis	Py	1								

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From	To			TYPE	%	Sample No.	Width	Recov.	%Cu	%Fe	Moly	Au/Ag	Insol
589	597	3dg	pale grn Fg diopside SK partially replaced by grt interstitial Ca										
597	604.2	8a/3dg	endo sharn										
604.2	614	8a	mgmatic alt'd diorite ep on fracts lower Ct 30°										
614	636	4g/3dg/8a,	dk gy/bich'd pale grn pyrite SITS S-KTS SKARNIFIED occ diorite dyke to 2"	Py	Cl								
636	649	3gd/8a/4	sharn loc with dioritic + cut & remnants of sed loc vuggy interstitial Ca										
649	665	3g/4+Ca	vuggy red brn/grn SK										
665	672	4g/3dg dk gy	1 pale grn hornfels	Py	Cl								
672	681	3d/9	pale grn/red SK vuggy prob sharn 4										
681	685	2d/4+Ca	vuggy grn SK with dissem bgc increasing toward lower Ct ba with Ca along fract along core 882-684 sample 681-685	bo crry	2 TR	9306							

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P.O. BOX 4280
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19

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P.O. BOX 4280
YUKON TERRITORY

Hole No N519 Page No 10

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	Recev.	% Cu	% Fe	Moly	Au/Ag	Insol
849.7	864.2	3d	1/5 s.c.a. pale grn sm replaced along fractures by dr grn - blis serp non mag, fr cp @ 859' now ca filled fract; mod breccia 54v2 @ lower ct	CP	Tn								
864.2	879	9a bT	dyke as 757-761, ep & occ serp Fract lower ct 30°										
879	887	3	edg z/aa grn red & pit endo sm lower ct grade transition										
887	901	3	g, d, e, f, s.c.a. / 8e red, brn grn sm loc buggy rare vague dronitic test, serp, cp, 3/4 e, s.c.a. with 2 cm ca veinlet @ 898.5-899.5 tr dissemin cp	CP	Tn								
901	926.2	8e	1/3 e, d, g, z, endo sm variably silicified, decreasing from 919' 2 cm ca filled fract @ 909'										
926.2	931.2	9a bT	dyke as above ct 70°										
931.2	936.6	8e	1/3 e, d, g, endo sm as above										
936.6	946	3	d, g, e grn red sm loc vague 8e test										

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Hole No A1519

Page No. 12

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P.O. BOX 4280
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Hole No. NS14 Page No. 16

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
1298.5	1299.2	5	1/2 white marble with cp & bo dissem & on stms to 4mm @ 50° lower ct irreg	cpbo	4								
1299.2	1305	2	ed/ke grn slt with dissem b/cbs & stms bo, Specs ccte with bo & dissem cp, Suggestion of dioritic text in patches, bo, with 3mm grt crinit @ 20° @ 1301', Serpd on Fracts 1' chd broken @ 1304-1305'	bo, cte, cp	5								
1305	1309.1	2d	g grn brn slt with dissem & Fract Filling cp & bo increasing cp/bo, patches mag from 1308.5 to end	bo, cp	2								
1309.1	1316	3	dg grn brn slt with rare Spec bo - cp broken @ lower ct	bo, cp	.2								
1316	1317.6	5	1/3 wh & yellow grn Serpd ls lower ct 20°										
1317.6	1322	2/3	dg, m grn brn slt with 6" from 1320.5 with 30% mag replacing silicates dissem cp + v bo	cp, bo	1								

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Hole No. NS 14 Page No. 7[illegible]

P.O. BOX 4280
YUKON TERRITORY

Hole No NS14 Page No 18[illegible]

P.O. BOX 4280
YUKON TERRITORY

22

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P.O. BOX 4280
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Hole No. N 5 / 4 Page No. 22

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P.O. BOX 4280
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Hole No. NO 17 Page No. 23

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P.O. BOX 4280
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Hole No. 11514 Page No. 24

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
	1423	Contd, Remained Vfgaphanitic to porphyroblastic saussuritised dyke 3' cut by num gtz-ca fields veins to 6" lower C+30° Carbonated thruout										
1923	19732.84	mg 1x grn gtz-dione, mafic grn carbonized num carbonized fracts, 3" incl gr porphyro blastic sed @ 1936' saussuritised, ca rich porphyroblastic incl 1952.5 to 1955', dissim py Thruout excellent coring	Px	1-2								
1973.2	1974.0	95% dn grn basic dyke										
	1974	Hole stopped NA Core, good coring except as noted, grn excellent, casing left in hole										
		Sample 1853-1855			9991	2	2					
		1879-1886			9992	7	7					