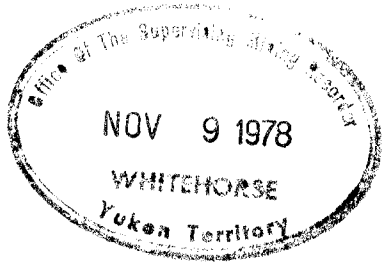
105-D-10

SUC 4 75656

WHITEHORSE COPPER MINES LTD

1 HOLE - 492 FT

MARCH 1978



105-D-10

SUC 3 75655

WHITEHORSE COPPER MINES LTD

1 HOLE - 495 FT.

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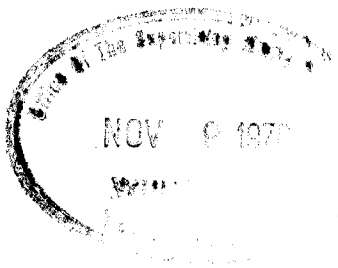

09112O

Whitehorse Copper Mines Ltd.

MINING DIVISION – WHITEHORSE
YUKON TERRITORY

7565

PROPERTY Cowley Park	Claim No. SUC 3	Strike N	Lat. 4455N	Hole No. CP 76
Date 15/3/78 19	Section No. 80E	Dip -60°	Dep. 80E	Total Depth 495'
Logged By A. HUREAU	Plan No.	Level Surface	Elev. 2470	Page No. 1

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid Diop Garn Serp Qtz Sil Actino Tremo Chlo Crystalline Shearing Veins Fracturing Foliation Grain Size Texture	MINERALIZATION TYPE	MINERALIZATION Cu%	ASSAY DATA Sample No	Width	Recov	%Cu	%Fe	Moly	Au/Ag	Insol
0	14.6		overburden - boulders										
14.6	90.2	5/3	white xtalline Ls, minor epidote to 18', vuggy to 23' locally partially replaced by garnet + diopside, fract Filling of py @ 22'										
90.2	103	2	d+gt+z/s white-green skarn with blebs & patches cp est 2%Cu specs mag at 100' to 103', 15% gtz	cp	2								
103	121.5	3	gde green brn skarn, occ spec Mag patch cp @ 118'										
121.5	132	5	white Ls as above patch 3s & mud at 131' with specs cp										
132	142	3dq/2	e/4q green red skarn streams & dissem cp at 133', occ specs & blebs cp	cp	Tr								

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YUKON TERRITORY

Hole No CP-76 Page No 2

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION %	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
142	145.8	5/3	+ white - pale grey skarnified LS										
145.8	184.1	9	90% feldspar porphyry dyke 20% white pheno crysts Felds to 2 cm in grey groundmass lower ct + 20° inreg										
184.1	236.4	3g	e red green skarn epidote content increasing from 221' 2 cm qtz vernlet with specs cp 208-208.8, & 212-213.5 Specs mosz @ 198', 2" diorite bnd @ 235', pyritic & serpentinized 235.8 to lower ct. Streaks & dissem mosz @ 197' 2 cm str cp with qtz @ 209'	cp mosz	Tr Tr								
236.4	254.8	4g	(90%) grey medium grained, not bnded meta sediment. tuff? dissem fg py occ spec cp lower contact along core & partially assimilated by diorite, pale green serp on fracts, altd	py cp	1 Tr								
		8a	diorite 237.6 - 238.2										
254.8	318	8a	medium grained hornblende diorite with remnants of dioritized Sds, hornblende altd to pale										

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YUKON TERRITORY

Hole No CP 76 Page No 3

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION c%	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
254.8	318	8a	(Cont'd) green epidote - from 292' patchy disseм fg cp best in most altd sects, pyritic, spec MOSZ @ 314'	MOSZ	TR								
				cp	0.2								
				py	3								
318	325.9	2qe	red green skarn dissem & occ streak cp TR MOSZ & Mag	MOSZ	TR								
				cp	1								
325.9	333	4q/3/8a	Skarnified, dioritized sed dissem fg py + tr cp ? healed fracts 20° - 40°										
333	340.3	3e/s	limey, vuggy green skarn, patchy dissem, py also on fracts.	py	1								
340.3	356.2	3	qed, red green skarn, patch mag & specs MOSZ @ 345.5 dissem cp @ 354'										
356.2	360.6	9a	br. white annealed felds grains in fine grained grey groundmass Cts 20° & 50°										
360.6	409	3	qds/4q red, green, grey skarnified sed patchy dissem, gen fg py occ spec py, Cut by two 1cm Qz dyklets @ 376.5										

WHITEHORSE COPPER MINES LTD.
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YUKON TERRITORY

Hole No CP76 Page No 4

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION %	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
409	437.8	8a	aphanitic altd diorite, sect 412.5 - 414 hornblende 30% remainder less than 5% mafics From 415 to 424.5 patches Stvs & dissem coarse grained py, leached from 423	py	10								
		8 min	425 to 425.9 30% cp in altd diorite,										
			425.9 to 437.8, patchy py 5% in altd diorite with remnants 4g										
437.8	441.0	4g	leached pyritic sed, 440-441 may be altd 9a dyke										
441.0	445	9b	dark green dyke possibly remnant of 4g, rusty, leached sect 8a 442-443.										
445	495	8a	altd hornblende diorite, 10% mafics to 479' 30% of remainder, mafics altd to serpentine & epidote, occ dissem py, rare spec cp										
		9a	471.1 - 472, Fine grained grey dyke, patch, & Str py in diorite at lower ct										

DD-28

WHITEHORSE COPPER MINES LTD.
P.O. BOX 4280
YUKON TERRITORY

Hole No. CP76 Page No. 5

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	%	Sample No.	Width	Recov.	% Cu	% Fe	Moly	Au/Ag (oz/ton)	Insol
			SAMPLES 90.2 - 95.2			8834	5	5	7.38	12.8' - 2.29	.0028	.008 / .32	31.3' - 1.77 Cu
			95.2 - 100.2			5	5	4.5	.86		.0475	.0014 / .18	
			100.2 - 103			6	2.8	2.8	.31		.0065	.0008 / .18	
			103 - 108			7	5	5	.15	24.3' - 0.70	.0063	.003 / .17	
			- 113			8	5	5	.30		.0015	.0017 / .19	
			- 118			9	5	5	1.83		.0010	.0408 / .22	
			118 121.5			8840	3.5	3.5	.53		.0150	.0052 / .19	
			132 - 137			8841	5	5	.12		.0023	.18	
			137 - 142			8842	5	5	.09		.0060	.15	
			184.1 - 189.1			8843	5	5	.05		.0875	.16	
			- 194.1			4			.09		.0078	.17	
			- 199.1			5			.07		[illegible]	.15	
			- 204.1			6			.65		.0010	20 / .17	
			- 209.1			7			.17		.0013	.17	
			- 214.1			8			.26		.0075	.16	
			- 219.1			9			.03		.0078	.16	
			- 224.1			8850			.10		.0080	.16	
			- 229.1			1		5	.10		.0030	.16	
			- 234.1			2	5	5	.15		.0525	.15	
			- 236.4			3	2.3	2.3	.05		.0175	.15	
			254.8 - 265			8854	10.2	10.2	.14				
			- 275			5	10	10	.10				
			- 285			6	10		.18				
			- 295			7	10		.24				
			- 305			8858	10	10	.25				

WHITEHORSE COPPER MINES LTD.

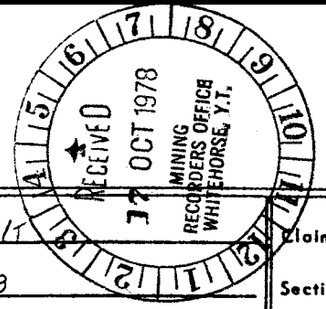
P.O. BOX 4280
YUKON TERRITORY

Hole No. CP16 Page No. 6

FOOTAGE From	To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	%	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
			305 - 318			8859	13		.40			oz/ton	
			318 - 325.9			60	7.9		1.73		.070	.0019/	
			325.9 - 333			1	7.1		.21				
			333 - 340.3			2	7.3		.25				
			340.3 - 348			3	7.7		.08				
			348 - 356.2			4	8.2		.36				
			360.6 - 370			8865	9.4		.68				
			- 380			6	10		.24				
			- 390			7	10		.36				
			- 400			8	10		.28				
			- 410			9	10		.64				
			- 415			8870	5		.04				
			- 425			1	10		.17			[illegible]/.14	
			- 425.9			2	0.9		10.20			[illegible]/.90	
			- 437.8			8873	11.9		.06				
			275' - 410' - 135'						0.40				

.001/oz/ton

DD-29



Whitehorse Copper Mines Ltd.

MINING DIVISION – WHITEHORSE
YUKON TERRITORY

7636

09120

PROPERTY Cowley Park	Claim No. Sue 4	Strike N	Lat. 4600N	Hole No. CP77
Date 14/3/ 19 78	Section No. 7550N	Dip -70	Dep. 7550E	Total Depth 492
Logged By A. HUREAU	Plan No.	Level Surface	Elev. 2510'	Page No. 1

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid Diop Garn Serp Qtz Sil Actino Tremo Chlo Crystalline Shearing Veins Fracturing Foliation Grain Size Texture	MINERALIZATION TYPE	%	Sample No	Width	Recov	ASSAY DATA %Cu	%Fe	Moly	Au/Ag	Insol
0	13	Ob	over burden										
13	64.5	5/3	white & grey LS, banding 10° to 90°, bnds skarnified to tremolite & minor epidote rare specs py, lower ct 80°										
64.5	67.2	3gr/c	pale brn skarn, Ca on fracts										
67.2	68.5	3dg/c	Pale grey fine grained skarn lower ct 15° chilled										
68.5	95	9b	dark grey fine - medium grained basic dyke, finer grained - chilled at contacts loc numerous Ca filled fracts to 2mm, lower ct 20° chilled, with specs & stringers py										
		5	Incl white - grey LS banding 20° 78.5 to 81.7										
95	137	5	grey - white xtaline LS, banding										

WHITEHORSE COPPER MINES LTD.
P.O. BOX 4280
YUKON TERRITORY

Hole No CP77 Page No 2

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION %	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
95	137		to along core, 10C specs										
			xtalline py, vuggy toward end	py									
		3+	qt 133.5 - 133.9 white										
			tremolite sheen with 2% dissem										
		9b	fg py. basic dyke 100 - 100.5'										
137	139.8	3d	qt, green, red, white sheen										
			incr Ba toward end										
139.8	145	8a	medium grained bbde, bio										
			granodiorite, dissem fg py										
			throughout - 1%, 40% mafics										
			lower c + 40°										
145	148.8	4g	thinly bedded (40°) schistose, pyritic meta										
			sediment, 5% py dissem & in										
			veinlets, nearly S										
			Sample 145 - 148.8										
148.8	164.8	5	grey xtalline ls, banding vague										
			loc 80° - 90°										
164.8	171	2	6' mud & rubble recovered,										
			frags ls & dyke										
171	173.6	9b	2, dark grey porphyry dyke, anhedral										
			- subhedral feldspar grains in dark										
			ground mass, cut by Ca filled fracts										

WHITEHORSE COPPER MINES LTD.
P.O. BOX 4280
YUKON TERRITORY

Hole No. C-2772 Page No. 3

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION %	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
173.6	258.2	5	white-grey ls banding where visible 60–90°, occ patch serpentinized near upper ct & near lower ct, vuggy at 229-231'										
		9b 9g	Fg green basic dyke 184.1–185.7 210.3–211 qtz, sericite bnd tuff ? 5% py.										
258.2	282.3	9b	?, basic porphyritic dyke as above Feldspar grains to 5mm, lower ct along core										
282.3	287.3	3d/2	f/4g Pale green massive skarn occ specs fine grained mosz & cp	mosz cp	.05 tr								
287.3	302.3	3	q,d,t,c, pale brown, green, white skarn occ spec py, cp-mosz traces mag at 290.5	py, mag cp mosz	Tr Tr Tr								
302.3	305	5	bnded grey-white ls 70°–90°										
305	341.8	3	q,d,c,t, skarn as above, sections; Ca rich loc vuggy, occ specs cp, mosz, tr bo @ 307.5	cp bo mosz	Tr .03								
341.8	354.5	3	a,t,c/8a white green mottled skarnified diorite, dissem fg										

WHITEHORSE COPPER MINES LTD.
P.O. BOX 4280
YUKON TERRITORY

Hole No. C-277 Page No. 4

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION c%	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	Au/Ag	Insol
341.8	354.5		cont'd										
			py - cp	py	Tr								
				cp	Tr								
354.5	358.8	3g	brown - red skarn, minor diopside(?)										
			Sheared from 358.3, ca + serp	cp	.5								
			along shear planes, dissem fg	moss	.05								
			cp, moss,										
358.8	363.6	2g	brown skarn, minor t, S, + ca										
			patches blebs & dissem cp, est	cp	1.5								
			3% cu to 360', lower ct 40°										
363.6	364.1	8a	skarn fels diorite 2cm epidote rich										
			bnd @ 30°										
364.1	364.8	9a	white pink coarse grained										
			qtz, feldspar dyke upper ct										
			70° lower ct irreg 20°										
364.8	492	8a	hornblende qtz diorite cut by										
			numerous qtz feldspar aplitic										
			dykes, sections to 384' exhibit										
			weak to strong foliation ct 80°										
			1' with dissem cp 2% cu 385'-386'										
			Tr dissem cp @ 423'										
			heavily dissem py @ 456'										
		9b	basic porphyry dyke 390 - 396.5										
			Cont'd										

WHITEHORSE COPPER MINES LTD.
P.O. BOX 4280
YUKON TERRITORY

Hole No. CP77 Page No. 5 of 6

FOOTAGE From	FOOTAGE To		ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION %	ASSAY DATA Sample No.	Width	Recov.	%Cu	%Fe	Moly	Au/Ag	Insol
364.8	492	8a	cont'd										
		7	bleached aplitic zone with										
			remnants of biotite & chlorite 411 - 415										
		9a	7, 431.4 - 435.5 white euhedral										
			- subhedral grains feldspar										
			in fine grained pink groundmass										
			2% mafics										
		8a min	449 - 455.5 altd zone mafics										
			altd to dull green (serpentine?)										
			dissem & patches cp	cp	0.5								
		9a	7, 455.5 - 459 feldspar porphyry dyke										
			as above										
		9b?	459 - 460 dark green basic dyke										
		9b	479 - 483.3 basic dyke anhedral										
			felds grains altd to epidote										
			c+s 60° & 40°										
	492		Hole ends										
			Amity drilling,										
			Cove shrunk except for										
			split sections										

WHITEHORSE COPPER MINES LTD.
P.O. BOX 4280
YUKON TERRITORY

Hole No CR22 Page No 6

FOOTAGE From	FOOTAGE To	ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION TYPE	MINERALIZATION %	ASSAY DATA Sample No.	Width	Recov.	%Cu	% Fe	Moly	oz/ton Au/Ag	Insol
		SAMPLES										
		145 - 148.8			8817	3.8		.08			.06	
								—	—			
		282.3 - 287.3			8818	5		.12			.07	
		- 292.3			19			.02			.06	
		- 297.3			20			.01			.05	
		- 302.3			8821	5		.01			.03	
								—	—			
		305 - 310			8822	5		.15			.13	
		- 315			3			.01			.04	
		- 320			4			.04			.08	
		- 325			5			.03			.06	
		- 330			6			.01			.06	
		- 335			7	5		.03			.05	
		- 341.8			8	6.8		.03			.04	
		341.8 - 348			9	6.2		.13			.04	
		348 - 354.5			8830	6.5		.15			.06	
		354.5 - 358.8			1	4.3		.84	1.85 / 9.1		.22	
		358.8 - 363.6			2	4.8		2.87			.42	
		363.6 - 368.6			8833	5		.21			.04	