

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

Sperry sun

60' - 79° 10'
120' - 79° 30'
240' - 79° 20'
360' - 79° 40'
480' - 79° 10'
600' - 79°
720' - 79°

1040' - 78° 50'
1100' - 78° 20'
1160' - 78° 20'

PROPERTY <u>North Star</u>	Claim No. _____	Strike <u>E (38°30')</u>	Lat. <u>3601.33</u>	Hole No. <u>NS 15</u>
Date <u>20/8</u> 19 <u>81</u>	Section No. <u>365</u>	Dip <u>-80°</u>	Dep. <u>793.81 W</u>	Total Depth <u>1767</u>
Logged By <u>A. H. Bureau</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2735.04</u>	Page No. <u>1 OF 25</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	12	0b											
12	25	9a bTi	weathered felsic dyke med-dk gy ground mass, num ca veinlets fels phocsts Kalinized, chloritized phocsts to 3mm E core broken										
25	45	9a bTi	felsic dyke 20% fels phocsts 2% chloritized mafic phocsts lower ct E low 4 to core										
45	53.5	9a bTi	Phase of same dyke with to 50% fels & chl phocsts in paler gy qtz ground mass										
53.5	57	9a bTi	5-10% fels phocsts in vfg groundmass, broken & lower ct										
57	65.5	8a	fg-mg leucocratic Qtz & druse more mafic fg patches as verticalized 5cm, 1.5cm qtz ca vein along core 62' to end										

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PLOTTED 40' SECTIONS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

INTXN. GRADE CHECKED

INITIALS

S.M.

S.M.

✓

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PLOTTED 40' SECTIONS	INITIALS
PLOTTED 40' ASSAY PLANS	
PLOTTED 40' GEO. PLANS	
ASSAYS CHECKED	S.M.
INTXN. GRADE CHECKED	✓

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Hole No. 1515 Page No. 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	Recev.	%Cu	%Fe	Moly	Au/Ag	Insol
129	144		porphyritic inc ls (textured ss & or volcanic) + v py										
144	163	8a	13 gde as above but with increasing SK content, bedding (coarse) in 8a/3dg @ 148 35° no py lower ct + v py @ low to core										
163	178.7	9b	dk grey gn dyke rounded epidote patches to 1cm, 2% cal matrix to 2mm, occ + v py inc ls 8a @ 164 (along core) 174.5-175 175.5-176.8, lower ct 40°										
178.7	185.3	8a	13 alt d diorite mg as above										
185.3	195.2	3de/4	gn skarnified pyritic ssd vein bedding 40°, lower ct 90°, 6" 8a dyke @ 193'	py	2								
195.2	210	8a	mg leucocratic alt d diorite matrix alt to pale gn diopside matrix porphyritic inc l @ 209.5'										
210	218	8a	py mg alt d diorite with fq mafic patches & clots + textured ssd?	py	2								

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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
730	741	3	dg pale grn red loc vuggy sil after LS occ specs dr grn chloritized act? 906 6" q/grn dyke 80° @ 732'										
741	756	3	dg, t/c v pale grn w sil radiating acicular x'tals to 2cm occ specs CL, grad buding 45° @ 754' 35 d buds blk grn sil 753-753.6 755.7-755.8										
756	795.2	3	5/5 pale grn - blk serpd dolo LS occ blk buds w sil mag with disseminated specs py buding 67° @ 760', 40° @ 763, 37° @ 764', 28° @ lower ct, cpe 767	mag py CP	Tv Tv Tv								
795.2	802	3	1/5 s/d, pale grn - blk sil 28-35° loc, blk mag sects with patchy disseminated sample	DO	.2								
802	811	3	dg, t/c q/grn sheared pyritic sed excellent buding 32° @ 806' fully disseminated py occ spec CP	py CP	3-5 Tv								

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From	To			TYPE	%	Sample No.	Width	Recev.	%Cu	%Fe	Moly	Au/Ag	Insol
911.8	916	3	g+d & ca / 8a SKARNIFIED diorite										
916	945.5	3	SKM/5, pale - dk grn Serp dolo LS blt bds w/ky mag budding 90-50° 80/3 SKARNIFIED diorite 922 - 924. with dissem Fg CP + tr mosz & lower ct ct @ 945.5 60°, budding 30-80° in 35m/5	CP mosz	2 Tr								
945.5	954.3	3	c/dg/8a grn SKARNIFIED diorite										
954.3	968.4	3	d/gc, intergrown Fe-talony xtal @ 957' to 1.5cm (pale grn diopside overt) thin Serp bds 78° @ 955', budding 55° @ 961' qnt as dk brn coarse xtaline to 5mm toward end, budding @ 965' 75°										
968.4	977.3	3 1/2	g,e/d&ca, grn brn SK lead broken 970.5 to 975, 7' Rec 966.5 to 977', patchy CP 3cm x 1cm @ 969.5, dissem patchy FP throughout, increasing diopside From 976.5 lower cut sharp 70°	CP	.5								

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From	To			TYPE	%	Sample No.	Width	Recov.	%Cu	%Fe	Moly	Au/Ag	Insol
977.3	1018.4	5	wh & gy dolo LS remnant buding 40°-60°, 1 cm bud py 80° @ 984' dissim py in S-up 1.1 cm bud @ 985', Patch CP 2 x 3 cm enclosing py 1 x .5 cm @ 983' 1' broken @ 987', 2" rubble 2 with massive CP @ 987', grn waste coarse & 11-20 dolo LS from 985' - 1010', Loc vague buding 40-45°, with 1/5 sept along process to end	py	TV								
1018.4	1019.1	2 g & ca,	SK with dissim CP Cts 60°	CP	2								
1019.1	1031	5	gy LS 50°-20°, 8" bud dk gy with 3 mm dk gy ca speckles 3 deg @ 1020', bud 3 deg 1025-1027' buds dropside & patches CP @ 1029-1030										
1031	1035	3 d, s, l, eg & ca	vuggy grn SK broken @ end tr CP @ 1032' bud	CP	TV								
1035	1040	3/2	e, s & l pale grn Lchd SK patchy dissim CP bo, 1' magnetic @ 337' Lchd	CP bo	1, 2								

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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
	1424.8	Cont'd, good bedding @ 1413' 38°-50°, core ground @ 1416' patchy dissem to near massive cp bldgs & patches bo occ patch hem dcc with tr mag	cp(10) bo 2 mag hem Tr	4								
1424.8	1429	3 1/2 dls, grn sk serpd on fracts interstitial veinlets ca revespec cp-bo	cp, bo	.1								
1429	1434.8	3 d/eg grn sk serpd acc along fracts with ca, 1' g, e, s @ 1432' vague bedding @ 1433' 50',										
1434.8	1438.7	5 1/3 m, se, partially recrystallized ls mag as dissem grains & buds to 3mm Tr cp @ lower ct + bot cp in stratified sec + 1437-1438'	po-cp	.1								
1438.7	1445	9d bt pale grn dk lte with epidotized fcis phossts - 3mm (20%) 3ds/5 in cl smelt & ls frags 1442-1443 broken 1442-1443 & 1444-46.5										
1445	1449.5	8d mg altd diorite mafics chloritized 3 Core broken, 1.5' rubble 1445-1449.5 error in marking?										

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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
1449.5	1452.6	5	1/35 wh cg dolos with patches grn serp also dissem grains dr grn black serp-graphite no mag detected, qn + & drop developed @ upper Ct, lower Ct @ lower to core										
1452.6	1461	3	eds/ba sh grn loc with dioritic text lower Ct 20', no sulphides seen										
1461	1481	3	sc/5/dg, grn sh limy, num ca filled fract's, serp + chl replacing and drop 1474-1476 lower Ct gradational == Core broken 1477'										
1481	1491.5	3	eds/ba, sh & smauified diorite interstitial ca 9a 6" K Fels rich dyke 50' from 1984' with patches epidote, granitic 34/5 + ext, 6" 3 dg/5 from 1491'										
1491	1505.2	3	sc/5 gy grn limy sh cut by num ca veins, from 1494 to 1495 white sh with Ct along core with serp. patches & strms 2g+2cat, CP 9b grn chloritized dyke 1498 to 1502 broken @ lower Ct	CP	2								

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From	To			TYPE	%	Sample No.	Width	Recov.	% Cu	% Fe	Moly	Au/Ag	Insol
	1505.2		Contd		Cu								
			Core broken 1503.5 to 1504.5										
			C + @ 1505.2 40°										
1505.2	1515	5	1/3es, white marble with occ stems & patches Serp patches hard (trav or wollastonite) lower C + 10°										
1515	1590	9	bd, gy porphyritic andesite? dyke fels grains up to 3mm in gy groundmass, excellent coring also few % chloritized mafic procts to 3mm, C + S 10° & 20° Core broken 1562.5 - 1569										
1590	1632	3	S/S pale grn & buff with dr grn gy buds Serp LS grn well bnded 50°-60° well laminated @ 1591' brn smeared buds @ 1619-1619.4 & 1618.5 - 1621, 1624.5 - 1628 des prob smeared siltstone, budding @ 1625 45°										
1632	1637.4	1	S, d, c, pale grn & blk sil bnds phos 3mm @ 1633' 45° dissim mag also in buds to 5mm, dissim fg to patches CP also along fractS lower C + 47°	mag CP	20 2								

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