

MAP NO.:
105 D 14

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092763
MINING DISTRICT: Whitehorse
TYPE OF WORK: Diamond Drilling

REPORT FILED UNDER: Whitehorse Copper Mines Ltd

DATE PERFORMED: 15 October-14 December, 1982

DATE FILED: 11 December, 1989

LOCATION: LAT.: 60°38'N

AREA: Whitehorse

LONG.: ~~111°02'W~~ 135°02'

VALUE \$:

CLAIM NAME & NO.: NORTH STAR DEPOSIT

WORK DONE BY: A. Hureau

WORK DONE FOR: Whitehorse Copper Mines Ltd

DATE TO GOOD STANDING:

REMARKS: #210 NORTH STAR

Report consists of drill logs only - 23 holes (8848.3 m) which tested the North Star copper skarn deposit. Two of the drillholes were deepened to 664.8 m and 569.1 m.

SURFACE DIAMOND DRILLING
NORTH STAR

N.S. 1 - 8 , 9 -

NORTH-STAR

HOLE	PAGES	DIP	STRIKE	ELEV.	LAT.	DEP.	DEPTH
N.S. 1	2	-65°	EAST	2733.7	5+90 W	28+00 S	362'
N.S. 1A	1	-60°	EAST	~~SURFACE~~	5+90 W	28+00 S	55'
N.S. 2	27	-50°	"	2757.1	11+50 W	28+00 S	1569'
N.S. 3	5	-50°	WEST	2725	38+50 S	4+85 W	305' → 2181' ^{Redeepened}
N.S. 4	16	-75°	"	2717.1	28+00 S	2+16 W	1596'
N.S. 5	5	-70°	(2174.5)	2712.	3834 S	130 W	582' → 1867' ^{Redeepened}
N.S. 6	15	-58°	"	2755	2400 S	7+02 W	1896'
N.S. 7	6	-80°	EAST	2709	2800 S	2+14 W	1553'
N.S. 8	18	-75 1/2°	EAST	2752	2800 S	7+22 W	1866'

NEW GRID

N.I.M. CO.ORD.

NS 9	14	-60°	360°	2759.65	71382.99E	44846.72N	1437'
NS 10	5	-58°	355-34-33	2663.86	73496.74E	406676 N	796'
NS 11	14	-64°	359-33-43	2770.58	71400.95E	44396.27N	1684'
NS 12	3	-54°	359-55-42	2709.67	72799.47E	44617.71N	974'
NS 13	13	-54°	359-50-44	2797.1	70602.57E	44917.74N	1421'
NS 14	27	-76 1/2°	38-30-30 E	2730.59	3200 S	6+55 W	1974'
NS 15	25	-80°	38-30-30 E	±2725	36+00 S	8+00 W	1767'
NS 15 W1							
NS 15 W2							
NS 16	4	-57°	179°57'	2667	72792N	45406 E	532'
NS 17	15	-77°	40°35'	2717	3199 S	380 W	2042'
NS 18	10	-90°	-	2740'	43931.5	72347.6 E	1504'
NS 19	12	-80	183°06'	2785	44046	71402	1757'
NS 20	13	-70°	356°40'	2805	44746	70619	1783'

EXPLORATION ASSAY DATA

Date _____
Page No. _____

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PROPERTY <u>North Star</u>	Claim No. _____	Strike <u>183° 26'</u>	Lot. <u>44046N (2794S)</u>	Hole No. <u>NS 19</u>
Date <u>5/4/</u> 19 <u>82</u>	Section No. <u>71400E</u>	Dip <u>-80°</u>	Dep. <u>71402E (1454W)</u>	Total Depth <u>1757</u>
Logged By <u>A. HUREAU</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2785</u>	Page No. <u>1 of 12</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	19	06	over burden										
19	37.5	79	dk gray pyritic mte siltstone sandstone loc veinified - Fg dioritic tect occ Fe's per pyro blebs, 80° @ 32'										
37.5	74.7	946	to 20% sub nodular Fe's loc + lte to epidote to 1 cm in Fg sandstone + per pyro groundmass cts 50° + 100°										
74.7	86	49	1/3 dce dk gray siltstone to conglomerate with black pebbles & scts, with loc crystallized to dioritic tect, dissemin & patches py										
86	92.3	3	lge, red brn grn sm, stries & dessem py from 89.5' (last 3" sand after 3)										
			sample 89.5-92.3			9468	2.8	2.8					

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Hole No. NS19 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
92.3	99	5	gy recrystallized LS										
99	106	4	1/3 g, however as above										
106	132	5	1/3 marble loc budding 30° buff - pale grn gy serpd buds From 127' with blk buds wh'y mag budding 80-85° from 130'										
132	140.5	4	1/8 dk gy/pale grn porphyro blastic sed loc as Fg diorite										
140.5	197.5	9	bt, f+ls 31 dyke gy fcrs 10+5 to 1.5cm in gy grn sects 940 gy grn mon porphyritic possibly along Ct From 140.5 to 143 (chilled Ct) 150 to 150.5, 173 to 182 & 194 to end cone mod broken										
197.5	245	5	1/3 wh lq 15 with strikes & planes to pale grn serpd, 1" sand serpd @ 205' blk buds in 3/35 wh'y mag clod										
245	271	5	1/3 gy grn serpd LS with dk buds wh'y mag patchy dissem py cherty bud 269-270, budding 70° @ end	py mag	cr tr								

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Hole No. 1519 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	Recov.	%Cu	%Fe	Moly	Au/Ag	Insol
271	277	4 1/3 dg dk gy pyritic siltstone with bnds silicified, cherty, 80°	Py	3								
277	282	3 dg, F/80 pale grn silicified diorite										
282	324	38/15 with grn partially silicified LS = Core mod broken bedding 70-90° 49% occ hornfels bnd pyritic, cherty, 283-286, 288-290, 297-298, 299-300, 311-312, 319-321										
324	332	3 dg/80, grn SK L-43 broken 327.5-329										
332	362	5/35 with gy / grn partially silicified LS cherty bnd 338' 70°										
362	405.5	5/35 with gy pale grn marble										
405.5	410	3 dg grn SK										
410	418	3 dg brn grn SK euhedral dk grn bnd, SPH, 3mm @ lower ct very dry sample 415-418	ZN 3		9470	3	3					
418	419.2	5/29 SK with less than 5% SPH on ct with LS, 418 to 419.2 sample	CC + P	Tr								
					9469	1.2	1.2					

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Hole No. NS19 Page No. 11[illegible]

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Hole No N 519 Page No 12[illegible]

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Whitehorse

EXPLORATION ASSAY DATA

Property North Star

Date _____
Page No. _____

Spc + 3600 S. (72 359 E NIM)

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9374	N510	450.5	453.5	3	3	.42		.26		
9375		453.5	456.2	2.7	2.7	2.24		.50		
9892		456.2	461	4.8	4.8	1.08		.26		
9893		466.5	470.5	4	4	.31		.26		
9894		488	491.7	3.7	3.7	.41		.15		
		493.5	461	7.5	7.5	1.50		.31		
9460		796.3	801	4.7	4.7	0.08				
9461		806	811	5	5	0.62				
9462		811	816	5	5	0.28				
9463		816	822	6	6	0.04				
9464		837.8	839.3	1.5	1.5	0.18		.12		

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

Tests

430	
617	
800	
950	

60110, 90°
 89°
 90°
 89°
 89°

$P_{10} + 90^\circ$

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike _____	Lat. ^{Sur} <u>4393.5</u> (<u>36055</u>)	Hole No. <u>NS 18</u>
Date <u>8/3</u> 19 <u>81</u>	Section No. _____	Dip <u>-90°</u>	Dep. <u>72347.6</u> (<u>95EE</u>)	Total Depth <u>1504</u>
Logged By <u>A. H. H. H. H.</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2740'</u>	Page No. <u>1 of 10</u>

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Hole No N5-18 Page No 5

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
797	799	30	mg all d. diorite grn 1500 minerals occ patches SK & some actinolite porphyritic diorite & re. mineralized sands										
799	796.3	3	6 g- 100, pale grn SK with shear zone diorite to 795' banding in 3 d. 100, 500 700 lower 100										
796.3	801	3	5 d. pale grn to dk grn SK for mag. lower 100 sample 796.3-801			9460	9.7	4.7	0.08				
801	806	9467	94 grn porphyritic dyke rounded with phos. to 5mm C+S 70° & 60°										
806	822	3	1/2 d, 1/2 m grn SK with scats blk serp with diss. mag & tr cp. 5mm stark cp 806 @ dyke C+ banding in dk serp buds 20-30° lower C+ layer along core, Tr 50 to 811 806 - 811 - 816 - 822	CP DO	TV TV								
						9461	5	5	0.62				
						9462	5	5	0.28				
						9463	6	6	0.09				

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Hole No. NS-18 Page No. 7

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Hole No. 12 Page No. 9

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Whitehorse

EXPLORATION ASSAY DATA

Property NORTH STAR

Date _____
Page No. _____

SECT 3200 S

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9895	NS17	919.3	929.3	10	10	.22		.20		
9896		1427	1432	5	5	.50				
9897		32	37	5	5	1.18				
9898		37	42	5	5	1.23				
9899		42	47	5	5	.75				
9900		47	52	5	5	1.12				
9970		52	57	5	5	1.03				
9971		57	62	5	5	.61				
9972		62	67	5	5	1.08				
9973		1467	1473	6	6	.49				
9974		1066.3	1078	11.7	11.7	.08		.17	ZN Pb	
9975		1363.5	1370	6.5	6.5	.03				
9976		1387.2	1389.3	2.1	2.1	.02				
9451		1662	1677	12.7	12.7	.46		.23		
9452		1847	1854	7	7	3.56				
9453		1854	1859	5	5	.43				
9454		1859	1864	5	5	.94				
9455		1864	1869	5	5	1.00				
9456		1869	1877	8	8	.39				
9457		1877	1880.5	3.5	3.5	2.86				
9458		1971	1973.7	2.7	2.7	2.11				
		1432	1467	35	35	1.00				
		1427	1473	46	46	.83				
		1847	1880.5	33.5	33.5	1.49				

N.W.M. 44634 N-723
Surveyed 3199 S 380.

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>E 41°36'</u>	Lat. <u>3200 5</u>	Hole No. <u>NS 17</u>
Date <u>23/2</u> 19 <u>82</u>	Section No. <u>32005</u>	Dip <u>77°</u>	Dep. <u>380' W</u>	Total Depth <u>2042'</u>
Logged By <u>A. HUREAU</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2717</u>	Page No. <u>1 of 15</u>

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Hole No. 11517 Page No. 3

[illegible]

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Hole No. 24517 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	Recov.	% Cu	% Fe	Moly	Au/Ag	Insol
188	291	49/8 as above but with few diomite dykes, seds with sects micatized to fq diomitic tc, c +, K fcls unit @ 200' loc good bedding 30° (c 200) 28° @ 214' less en (patchy) py, bedding @ 229' 50° 99b qy grn dyke, chloritized (few) phos + 2 mm lower c + 30° 217.5 - 227.5 possibly flow @ 243' patchy grt in diomite dyke from 242' seds dm qy increasing biot py content loc good bedding grn 25° occ cut by irreg mg recrystalline diomite with horrocks incls,	py	2								
291	310	49/84/3 increasingly bichd pale grn horrocks seds with more irreg diomite dykes & units loc very	py	2								
310	336	49/8a med qy grn - d' qy pyritic, porphyroblast horrocks cut by irreg beds & units diomite, hbd, chloritized porphyroblasts to loc 330-332'	py	2								

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Hole No. N517 Page No. 4

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
336	380.3	8g	1/4 mg hblc diorite with incis (100%) of 4g sects mafic rich patches & fract alth to epidote lower ct 60° py dissemin & on fract	py	2								
380.3	432	7g	med-dk gy pyritic siltstone few patches with incipient dioritic tract epidote altn along fract py dissemin on fract, epidotized fract 10-30° to core	py	2								
432	501	8a/4	mg mafic (40% diorite) # dioritized sds & incis met sds epidote patches & along fract, occ gtz, Fe sil & Ca veinlets From 494' lchd & ugg with Ca veinlets, & increasing epidote alth, core broken 494-499'	py	2								
501	552	4g/8a	gy & pale grn hornfels with sects & veinlets mafic rich to pale grn leucocratic diorite, num lvy healed fract, occ gtz patches & veins	py	2								

Hole No NS17 Page No 5

*	10' error in tags to 672' add 10' to entries to end

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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
1483.4	1510	3	sch/dgls pale gr. - blk sharp, occ qtz-dl sects & patches, rare Spec cp broken 1502-06, lower, ct 90° moss on fract @ 1492	mag	2								
1510	1550	8	1/3 dgs, mg shornified diorite with sects & patches st, tr cp in 35m section,	cp	tr								
				mag	tr								
1550	1624	8	1/3 dgs, mg alt. leucite with sects shornified, 50% mag. rich sects with mafics chloritized also f. g. porphyritic sects poss. after relict of sects increasingly blnd & shornified toward end										
1624	1662	8	1/3 dgs, sharp diorite & shornified diorite, prom forming in 3 d's c + ca 75° e 1631 lower ct sharp 50°										
1662	1674.7	3	mds pale grn to blk in with mag & scp relict diorite lower ct sharp 54°	mag	30								

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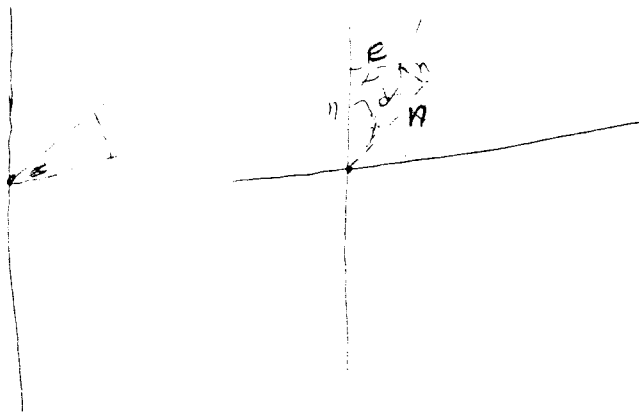
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FOOTAGE			ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	Sample No.	Width	Recov.	% Cu	% Fe	Moly	Au / Ag	Insol
1907	1909	33	dk grey Fg dyke with Fg matrix to 3mm cts strong 20°										
1909	1911	3	des & c2 gva sk										
1911	1924	8a	mg alt diorite with Fg diorite matrix patch @ 95% aug cut @ 1922', foliation 5' from 1921'										
1924	1924.7	33	dyke to above										
1924.7	1930.5	3	des & ca, gva bva sk matrix 45°										
1933.6	1933.6	3	sec & ca, blk gva sk patch mg c 1932', lower cts aug core										
1933.6	1968.5	9	alt. Sub bedrock matrix to 5mm 40% in dk grey groundmass blk & pale gva for 1' from lower cts, (30°)										
1968.5	1971	3	g/d pale red blk sk, cr. mg serp & ep @ upper cts, lower cts 40°										
1971	1973.7	3 1/2	d/sc, pale - dk gva blk sk with pot & spec cp	cp	.5								

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$$d = l \cos B$$

$$e = d \sin x = l \cos B \sin x$$

$$n = d \cos x = l \cos B \cos x$$

$$E_p = E_C + e$$

$$N_p = N_C + n$$

$$h = l \sin B$$

$$EL_p = EL_C - h$$

$$\angle = 38^\circ 30' 30''$$

$$\phi = 77^\circ 30'$$

115 17

NC	EE	Np	Ep	l	n	e	EL _C	h	EL _p
44634	72388	74376	72580	1427	242	192	2717		1329
		74883	72586	1471	249	198		1436	1281
		74947	72637	1847	313	249			913
		74452	72641	1880.5	318	253			881
		74980	72663	2042	346	275			723

NS 17

EXPLORATION ASSAY DATA

Date 12/14/13 2
Page No. _____

[illegible]

Tests	389'	69°	12.00	10°
ones Ltd.	800	70°	14.00	70°
ORSE	1000	70°	16.00	9°

38114'	64°	12.00	18°
3891'	69°	14.00	70°
800	70°	16.00	9°
1000	70°		

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Hole No N 520 Page No 5[illegible]

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Hole No. N520 Page No. 6

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Hole No. 1/520 Page No. 7

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Hole No. 1520 Page No. 11

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
1554	1557.2	5	banded 70° qtz pyritic, siliceous limestone lower 40°										
1557.2	1564	90	70° qtz pyritic like 1' rubble & 2' 100° ct										
1564	1579	5	dk qtz banded dolos ls 65°	P	3								
1579	1665	5	1/35 wh + qtz re crystallized ls sects wh c9 massive soap pale qtz - blk on exerts & patches From 1625 to 1648' well banded wh, qtz qtz sect 52° dissom py in segregated blk c rich bnds, occ py rich cherty bnds, Tr cp in blk serp rich bnds 1645-1647 Sample 1645-1647 mainly wh re crystallized dolos ls to end.				2	2					

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Hole No N520 Page No 13

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
1665	1700	5	1/35 med gy LS with streaks + patinas blk to pale grn serp blk soap with magnetic occ tr py budding loc Kozue budding 60°										
1700	1708	7	brn loc bluish pale grn pyritic serpentine loc good budding 43-55° blsh po in bluish bed 1706' Cover broken 1703-1704, 1707-1708	Py	2								
1708	1714	5	1/35 gy - blk partially serpd LS serpd on fract + tr Py	Py	TR								
1714	1717.8	3 1/2	pale grn sh										
1717.8	1724	7	brn/gy brecciated siltstone, loc blsh pale grn	Py	2								
1724	1727	4	1/34 F.F. grn hornfelsed sc + d. 22cm Py	Py	2								
1727	1749	9	70% gy F.F. 3/4 dyke onocites to 1cm, c+s 70° & 20° incl 4 1/34 F.F. grn hornfels 1/34 1732.7 to 1736.5	Py	2								

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YUKON TERRITORY

Hole No 1520Page No. 15[illegible]

[illegible]

Hole No. 14516 Page No. 3[illegible]

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Hole No. NS-16 Page No. 7

[illegible]

Spring Sun 917' - 71° 20' 108' - 71°
962' - 71° 20' 1127' - 69°
984' - 71° 20' 1132' - 69° 10'
1070' - 71°
1046' - 70° 2'

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

Wedged from 515W 1 @ 875'

PROPERTY <u>North Star</u>	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>NS 15 W2</u>
Date <u>1/10/19</u> <u>81</u>	Section No. _____	Dip _____	Dep. _____	Total Depth <u>2307</u>
Logged By <u>A. Hancock</u>	Plan No. _____	Level _____	Elev. _____	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
			Reamed from 875-882										
			See NS 15										
882	913	8a/13	alt mag diorite with inclusion & smannered Cap, dioritic diorite 1' Serp chl rich sect @ 888-889' occ veins hornfels.										
913	927.5	3	lgd/s pale green & red SM bits buds w/ky mag	mag	Tn								
927.5	935	3	s/m d/s 1' & d/s green s/m d/s										
935	938.2	8a	alt diorite dyke										
938.2	939	9b	ty Ep dyke 40°-20°										
939	940.8	5/135											
940.8	941.1	9b	dyke										
941.1	953.5	3	sm/s budding 40° + r py in bin buds										
		3/2	dg 2' sect with dissem CP + trmsz 944.5-946.5	-P mosz	.3 Tn								

WHITEHORSE COPPER MIN

PLOTTED 40' SECTIONS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

INTXN. GRADE CHECKED

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

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YUKON TERRITORY

Hole No N/S15W2 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	Recov.	% Cu	% Fe	Moly	Au/Ag	Insol
1047	1052	3	agg, ls interstitial w/ ca										
1052	1072.4	3	d, g, a, s & ca qtz brn ss with patches & sects to 1.5' of ca cts 60-80° toward end										
1072.4	1097	5	w/ marble with remnant of qtz buds loc 50°, patches & fract filling to 3mm of ls as below from 1093.5										
1097	1099.5	1	ls mag shown with strks + dissem cp patches val interstitial bud ing 65°	cp, val	2								
1099.5	1102	5	w/ marble										
1102	1106		reamed										
1106	1106.5	5	w/ marble										
1106.5	1107.6	1	ls as above cts 80°	cp val	2								
1107.6	1114	5	w/ & qtz recrystallized dolo ls 37°										
1114	1113.2	1	ls as above lower ct 40°	cp val	2								

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N.51. NZ

Hole No. 26/10/01 Page No. 5

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YUKON TERRITORYHole No. NS-15W-2 Page No. 6

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
1343.5	1347.2	8c	13dg endo SM										
1347.2	1349	35	grn SIT										
1349	1352	3	deg/8a pale grn SM										
1352	1353	3	S as above										
1353	1357	3	dg/8c + ca										
1357	1362.2	3	5/5, limy lth dk grn SM										
1362.2	1366	4 1/3d	gy grn Fg hornfelsic serpd on fractis possibly dyke dissimpy	py	1								
1366	1446	8c	mggalt dionite facies Fg clastic sed or volcanics near upper Ct. OCC K fclis K fclite patches epidote good coring increasingly saussuritized 1400-1425' bichd wh - pale grn 1424-1446 sect + S Fg mafic rock bichd cp in stratified sect @ 1443'										
1446	1449	3 1/2	Sde & ca grn SM with occ bicks Do, lower Ct 47°	Do	.5								

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Hole No ALS-15W2 Page No. 8[illegible]

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Hole No. NS 15W Page No. 9

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
1536.5	1558	82	1/3 ed, s + co, hly ctd smeared diorite lower ct 25°, incl 513 5/3 @ 1547' ±"										
1558	1561.4	9a b	ry grn andesite dyke										
1561.4	1573	82	pale grn ctd diorite mafic content increasing to 50% from 1568' lower ct 30°										
1573	1581	3	5/5, dr grn sil lower ct gradational, occ patch qtz + diop. 31g pale brn grn Sect 1576.5-1577.5										
1581	1587	5	1/35 wh, ry pale grn marble vogue budding 45° toward end										
1587	1590.3	3	1/3, Serp mag SK with occ spec scp 40°, loc content	cp	tr								
1590.3	1591.4	5	1/35m, ry grn marble with mag as dissem patches to 3mm										
1591.4	1594.3	5	1/35 wh grn marble lower ct 30°										
1594.3	1597.5	1	blk SK with ca on fract cp dissem & buds to 5mm discontinuous 65° minor bo, vol,	cp, bo, vol	5								

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Hole No. N51542 Page No. 10

[illegible]

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Hole No N 515 W Page No 11

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
1632	1642.6	5	1/35 qy loc pale grn ls loc good bedding 50°										
1642.6	1655.5	9	ab qy grn dyke as above lower ct 10°										
1655.5	1657.3	5	1/35 as above										
1657.3	1679.5	9	ab dyke as above epidote patches incl 5 @ 1669.2 - 1670.2, cte end 34°										
1679.5	1681.5	5	1/35 qy marble with occ patches mag	mag	Tr								
1681.5	1683	3	1 mag sk with interstitial ca tr serp, chl, tr cp bo	cp	Tr								
1683	1687	3	1, 5 m phlog rich sk occ bleb cp	cp	Tr								
1687	1691.5	3	1/2 d.e, 1/2 grn sk occ patch serp, phlog, patchy specs cp bo	cp, bo	.3								
1691.5	1698	3	s.c, dr grn sk, no sulphides seen										
1698	1700	2	s/c, dr grn sk with blebs cp	cp	1.5								

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Hole No. 1451542 Page No. 14

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Hole No N515W2 Page No 26

[illegible]

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Hole No NS15W2 Page No 17[illegible]

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Hole No N515Wz Page No 18[illegible]

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YUKON TERRITORY

Hole No. 22 Page No. 19

[illegible]

WHITEHORSE COPPER MINES
Whitehorse

EXPLORATION ASSAY DATA

Property North Star

Date 28/10/01
Page No. 1 of 3

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9926	14S15W2	1681.5	1688	6.5	6.5	.45	✓	.16		
27			1693	5	5	.17	✓	.06		
28			1698	5	5	.17	✓	.06		
29		1698	1703	5	5	1.37	✓	.15		6.85
30			1708	5	5	4.20	✓	.96		21.00
31		1708	1712.8	4.8	4.8	3.01	✓	.87		14.45
			dye 11.7'							L+10°
32		1724.5	1729	4.5	4.5	1.84	✓	.69		8.28
33		1729	1735	6	6	1.05	✓	.52		6.30
34		1735	1740	5	5	.86	✓	.32		4.3
35		1740	1745	5	5	2.13	✓	.69		10.65
36		1745	1750	5	4.5	.17	✓	.09		
99 37		1750	1755	5	5	.06	✓	.08		
9938		1459	1466.8	7.0	7.5	.41	✓	.08		
- dye										
9939		1467	1472	5	5	.88	✓	.10		
40		1472	1477	5	5	1.70	✓	.70		
41		1477	1482.8	6.8	6.8	.76	✓	.13		
42		1492.4	1492.4	5	5	.13	✓	.05		
43		1587	1596.3	3.3	3.3	2.13	✓	.84		
		1590.3	1596.3	4.0	4.0	5/3	✓			
9944		1594.3	1600	5.7	5.7	2.68	✓	.55		
9947		1873.3	1877	3.7	3.7	1.14	✓	.41		
9948		1877	1882	5.0	4.7	.69	✓	.23		
9945		1777	1782	5	5	.01	✓	.06		
9946		1782	1787	5	5	.16	✓	.09		
9949		1446	1448	2	1.5	1.08	✓	.037		
9950		1452.3	1456	3.7	3.7	0.21	✓	.010		
9951		1609.8	1617	7.2	7.2	0.34	✓	.011		

WHITEHORSE COPPER MINES
Whitehorse

EXPLORATION ASSAY DATA

Property NORTH STAR 15 W 2

Date _____
Page No. 2 of 3

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9883	14515W2	984.1	987	2.9	2.9	1.57		.22		
		reamed for wedge								
9884		990	994	4	5	4.42		.81		
9885		1097	1099.5	2.5	2.5	1.79		.65		
9886		1106.5	1107.6	1.1	1.1	1.33		.40		
9887		1114	1115.2	1.2	1.2	.83		.27		
9888		1148	1152	4	4	.18		.31		
9889		1153.8	1159	5.2	5.2	.83		.59		
9890		1196.7	1202	5.3	4.8	.61		.14		
		1698	1712.8	14.8	14.8	2.86	42.798	.66		
		1724.5	1745	20.5	20.5	1.44	29.53	.55		
		1698	1745	47	47	1.53	71.83	.75		
		1467	1482.8	16.8	16.8	1.05	18.07	.29		
		1587	1600	13	13	1.71	22.3	.66		
		1873.3	1882	8.7	8.4	0.88	7.67	.31		

EXPLORATION ASSAY DATA

Date _____
Page No. 3 of 3

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9952	NS15W2	1882	1887.5	5.3	5.3	0.47		0.17		
9953		1887.5	1895	7.5	7.5	0.31		0.10		
9954		1895	1905	10	10	0.21		0.08		
9955		1923	1927	4	4	0.43		0.12		
9956		1927	1932	5	5	0.05		0.09		
9957		1969.2	1977	7.8	7.8	0.07				
9958		1977	1983	6	6	0.40				
9959		1983	1987.5	4.5	4.5	1.36				
9960		2131	2136	5	5	0.60				
9961		2159	2164	5	5	0.84				
9962		2164	2169	5	5	1.16				
9963		2169	2174	5	5	1.08				
9964		2174	2177.4	3.4	3.4	2.52				
9965		2201.8	2210	8.2	8.2	.14				
9966		2210	2215	5	5	3.32		0.61		
		2159	2177.4	18.4	18.4	1.30	23.97			

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

DEPTH	UNIT	E	DEPTH	UNIT	E
750	10L	75°	980	10L	75° 45'
750	10L	77° 45'	927	10L	78°
790	10L	77° 45'	927	10L	70° 30'
790	10L	77° 45'	1053	10L	70° 30'
840	10L	76° 30'	1072	10L	68° 50'
850	10L	73° 30'	1165	10L	63° 40'


 287 90L 72° 45'
 921 10L 78°
 927 10L 70° 30'

[illegible]

~~WHITEHORSE COPPER MINES~~

PLOTTED 40' SECTIONS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

INTN. GRADE CHECKED

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YUKON TERRITORY

Hole No. N515W1 Page No. 2[illegible]

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Hole No NS13 W / Page No 3[illegible]

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YUKON TERRITORYHole No. N515W/L Page No. 7

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
965.5	972.5	3	d/c H.Br grn SK										
972.5	974	9	b gy grn Fg dyke										
974	978.5	3	d/c grn loc well laminated SK, grt 45° patches epidote, vugs filled with Ca										
978.5	980	2	d/c/grs grn SK dissemin CP	CP	1.5								
980	981	5	35 remnant LS										
981	989.8	2	dgc grn brn SK loc well bedded 50° CP & PY along beds, dissemin & blebs patches Ca, tr br, tr moss	CP, br PY MOSS	2 3 Tr								
989.8	1021.6	5	3 d/c/r, unappretiated LS with patches SK, CP as patches & blebs occ spec moss, moss on fract @ 1008.2 py as dissemin patchy & euhedral grains to 1cm CP 5cm x 2cm @ 999', from 1002' mainly rextallined LS with patches q, c, with occ spec Scipheids										
1021.6	1043.2	3	d, g, & Ca, occ spec scap 6" @ 1033' with flakes moss to 3mm @ 1022' tr py with scap in 30's	MOSS	Tr								

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YUKON TERRITORY

Hole No 1451342 Page No 1[illegible]

EXPLORATION ASSAY DATA

Date _____
Page No. _____

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag 02/104	%Fe	Remarks
		From	To							
9875	NS15W1	978.5	980	1.5	1.3	0.65		0.12		
9876	NS15W1	980	983	3	3	0.06		0.05		
9877	"	983	989.8	6.8	6.8	2.40		0.27		
9878	"	989.8	1002	12.2	12.2	0.64		0.17		
9879		1098.3	1101	2.7	2.7	2.39		1.34		
9880		1106	1110	4	4	2.32		0.23		
9881		1114.4	1116.5	2.1	2.1	2.32		0.46		
9882	"	796	801	5	5	.87		.51		
		983	1002	19	19	1.27		.20		

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 5% fels & chl phocsts in paler gy g-n ground mass										
53.5	57	9a bTi	5-10% fels phocsts in vfg ground mass, broken & lower ct										
57	65.5	8a	fg-mg leucocratic Qtz & druse more mafic fg patches as verticalized 5cm, 1.5cm gtz ca vein along core 62' to end										

WHITEHORSE COPPER MINES

PLOTTED 40' SECTIONS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

INTXN. GRADE CHECKED

INITIALS

S.M.

S.M.

✓

WHITEHORSE COPPER MINES

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

[illegible]

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 & on 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 mafics 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 v. fine bedding 40° lower ct 90°, 6" 8a dyke @ 193'	py	2								
195.2	210	8a	mg leucocratic alt d diorite mafics alt to pale gn diopside mafic porphyritic inc l @ 209.5'										
210	218	8a	py mg alt d diorite with fq mafic patches & clots textured ssd?	py	2								

P.O. BOX 4280
YUKON TERRITORY

Hole No. 1515 Page No. 4

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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 dit grn chloritized act? 906 6" qtz dyke 80° @ 732'										
741	756	3	dg pale grn w sil radiating acicular x'tals to 2cm occ specs CL, good 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 sil dolo LS occ blk buds w sil mag with disseminated spec py buding 67° @ 760', 40° @ 763, 37° @ 764', 28° @ lower ct, cpe 767	mag py CP	Tr Tr Tr								
795.2	802	3	1/5 pale grn - blk sil 28-35° loc, blk mag sects with patchy disseminated sample	DO	.2								
802	811	3	dg/fg qtz grn sil pyritic sed excellent buding 32° @ 806' fully disseminated py occ spec CP	py CP	3-5 Tr								

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
911.8	916	3	gtd & ca / 8a SKARNIFIED diorite										
916	945.5	3	slm/5, pale - dk grn Serp & dolo LS blt bds w/ mag buding 90-50° 80/3 SKARNIFIED diorite 922 - 924. with dissom fq CP & tr mosz & lower ct ct @ 945.5 60°, buding 30-80° in 35m/5	CP	2								
				mosz	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', buding 55° @ 961' qnt as dk brn coarse xtaline to 5mm toward end, buding @ 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, dissom patchy fp throughout, increasing diopside From 976.5 lower cut sharp 70°	CP	.5								

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
977.3	1018.4	5	Wn & qtz dolo LS remnant bedding 40°-60°, 1 cm bed py 80° @ 984' dissim py in 5' up 1.0 cm bed @ 985', Patch CP 2 x 3 cm enclosing py 1 x .5 cm @ 983' 2 1' broken @ 987', 2" rubble 2 with massive CP @ 987', grn w. coarse crystallized dolo LS from 985' - 1010', loc vague bedding 40-45°, w/ 1/4 sept along process to end	py	TV								
1018.9	1019.1	2 g & ca,	SK with dissim CP cts 60°	CP	2								
1019.1	1031	5	qtz LS 50°-20°, 8" bed dk qtz with 3 mm dk qtz ca speckles 3 deg @ 1020', bed 3 deg 1025-1027' beds drop side & patches CP @ 1029-1030										
1031	1035	3 d, s, l, eg & ca,	vuggy grn SK broken @ end tr CP @ 1032' bed	CP	TV								
1035	1040	3/2	e, s, d & pale grn Lchd SK patchy dissim CP bed, 1' magnetic @ 337' bed	CP bed	1, 2								

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YUKON TERRITORY

Hole No. 10515 Page No. 15[illegible]

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Hole No. NS15 Page No. 16[illegible]

[illegible]

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YUKON TERRITORYHole No. 14515 Page No. 21

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 gn serp also dissem grains dr gn black serp-graphite no mag detected, gn + drop developed @ upper Ct, lower Ct @ lower to core										
1452.6	1461	3	eds/ba sh gn loc with dioritic text lower Ct 20', no sulphides seen										
1461	1481	3	sc/5/dg, gn 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 gn limy sh cut by num ca veins, from 1494 to 1495 white sh with Ct along core with serp. patches & struts 2g+2cat, CP 9b gn chloritized dyke 1498 to 1502 broken @ lower Ct	CP	2								

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Hole No. NS 15 Page No. 22

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
	1505.2		Contd		Cu								
			Core broken 1503.5 to 1504.5										
			C + @ 1505.2 70°										
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 - 1567										
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° dissom mag also in buds to 5mm, dissom fg to patches CP also along Fracts lower C + 70°	mag CP	20 2								

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Hole No. NS15 Page No. 23

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Hole No. NS15 Page No. 24[illegible]

EXPLORATION ASSAY DATA

Date Aug. 27th 81.
Page No. D.T. 102

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag ⁷¹⁵	%Zn	Remarks
		From	To							
9855	NS 15	1369.5	1376.8	7.3	6.8	.08		250 1.03	.004	
56		1376.8	1382	5.2	5.2	3.09		170 1.70	.008	
57		1382	1387	5.0	5.0	3.32		200 1.17	.004	
58		1387	1393.8	6.8	6.4	5.42		200 1.31	.004	
59		1393.8	1398.8	5.0	5.0	5.14		270 1.97	.004	
60		1398.8	1403	4.2	4.2	.05		250 1.09	.0	
61		1403	1408	5.0	5.0	5.87		270 1.50	.004	
62		1408	1413	5.0	4.5	8.72		3290 1.63	.008	
63		1413	1418	5.0	5.0	7.57		680 1.56	.008	
64		1418	1424.8	6.8	6.8	5.33		960 1.08	.004	
65		1424.8	1429	4.2	4.2	.63		250 1.33	.004	
		1376.8	1424.8	48.0	47.1	5.05	D.T.	C.0200 678 1.82		
9851		363	367	4	4	0.31		0.17		
9852		392.8	3944	1.6	1.6	0.68		0.26		
9853		795.2	802	6.8	6.8	0.47		0.29		
9854		802	811	9	9	0.22		0.06		

EXPLORATION ASSAY DATA

Date _____
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Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9866	N515	968.4	977.3	8.9	5.3	.15		.05		
68		1018.4	1019.1	0.7	0.7	.96		.17		
9868		1031	1036	4	4.5	.05		.02		
9869		1036	1040	4	4	.07		.05		
		~~1429~~								
9870		1429	1434.8	5.8	5.8	.02		.02		
9871		1434.8	1438.7	3.9	3.9	.48		.17		
9872		1632	1637.4	5.4	5.4	1.04		.08		
9873		1637.4	1642.4	5	5	0.92		.20		
9874		1684	1691	7	7	0.35		.05		
		1632	1642.4	10.4	10.4	0.98		.14		

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>E</u>	Lot. <u>32005</u>	Hole No. <u>NS 14</u>
Date <u>6/7/81</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 SK										
52.8	62.2	3	sdg pale - dk grn SIT 6" bnd 30/3 @ 56', banding in SIT 30° near lower ct										
62.5	70	89 1/4	as above, occ K fcls unit.										
70	109	3	d, c, s // 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
PLOTTED 40' ASSAY PLANS	SM
PLOTTED 40' GEO. PLANS	
ASSAYS CHECKED	✓
INTXN. GRADE CHECKED	✓

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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 brn & grn sil with lower C + 60°										
114	154.7	8	1/3, 1/4, mggtz diorite sects mafic prop retextured sed, bldd along fract, occ patches epidote grt & L. ? @ 140' dissem sg py thin bat 4, 8" bnd pyritic siltstone from 153' 80°	py	3								
154.7	155.6	4	g bro, py siltst bldd pale grn @ lower C + 60°										
155.6	160	3	d, g, s, + / 80, limy siltst & smonified diorite, 100 vuggy, pyritic, as smonified siltst @ lower C +										
160	165	4	1/20, porphyroblastosed felds grains to 3mm, bldd, along fract, retextured sed.										
165	175.3	3	d, g, / 80, & ca, vuggy endo siltst										
175.3	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 ur in along core 213-217	py	4								

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YUKON TERRITORY

Hole No. NS 14 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	Recov.	%Cu	%Fe	Moly	Au/Ag	Insol
179.5	240		Contd budding in Fg ssds (with 8a bud 3'') 238 to 240 30°, Lead @ 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, Smeadified sel, as 8a From 253'.										
253.5	262.3	9a	b qtz epidatized 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								
				</									

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
295	296.2	8a	alt d. diorite patches epidote 1 cm Ca veinlet along core										
296.2	298	3	eg, sca/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 bnding @ 60° @ 306'; 2" fg 8a @ 307' lower ct 60°	Py	1								
310.3	319	8a	fg alt d. diorite epidote along fractures 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 bnding 70°, after fracturing? 8a 336-341 mg mafic 8a Bnding @ 342' 55°, from 336 more cg poss retextured quartz gran with sects mg alt d. diorite rare R Feis veinlet, bnding 50° white vis	Py	1								

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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
589	597	3dg	pale grn Fg diopside SK partially replaced by grt interstitial Ca										
597	604.2	8a/3dg	endo shear										
604.2	614	8a	migmatitic alt'd diorite ep on fracts lower Ct 30°										
614	636	4g/3dg/8a,	dk gy/bich'd pale grn pyrite SITS S-KTS smeunified occ diorite dyke to 2"	Py	Cl								
636	649	3gd/8a/4	shear loc with dioritic + cut & remnants of Sed loc uggy interstitial Ca										
649	665	3g/d & Ca	uggy red brn/grn SK										
665	672	4g/3dg & Kay	1 pale grn hornfels	Py	Cl								
672	681	3d/9	pale grn/red SK uuggy prob shear 4										
681	685	2d/6 & Ca	uggy 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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YUKON TERRITORY

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YUKON TERRITORY

Hole No N519

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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
849.7	864.2	3d	1/5 & ca pale grn sh replaced along fractures by dr grn - blis serp non mag, tr cp @ 859' now ca filled fract, mod breccia sand @ lower ct	CP	Tn								
864.2	879	9a bT	dyke as 757-761, ep & occ serpd Fract lower ct 30°										
879	887	3	edg & 1/2 ca grn red & pit endo sh lower ct gradational										
887	901	3	g, d, e, f & ca 1/2 re b, brn grn sh loc buggy rare vague dioritic tect, serp, cp, 3/4 e, 5 with 2 cm ca veinlet @ 898.5-899.5 tr dissemin cp	CP	Tn								
901	926.2	8a	1/3 e, d, g, e, endo sh variably silicified, decreasing from 919' 2 cm ca filled fract @ 909'										
926.2	931.2	9a bT	dyke as above ct 5 70°										
931.2	936.6	8a	1/3 e, d, g, endo sh as above										
936.6	946	3	d, g, e grn red sh loc vague 8a tect										

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YUKON TERRITORYHole 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 & streaks to 4mm @ 50° lower ct irreg	cpbo	4								
1299.2	1305	2	ed/br grn slt with dissem b/cbs & streaks bo, specs cte with bo & dissem cp, suggestion of dioritic text in patches, bo, with 3mm grt crystal 20° @ 1301', serpd on fract 1' chd broken @ 1304-1305'	bo, cte, cp	5								
1305	1309.1	2	gr 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	gr 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	grm grn brn slt with 6" from 1320.5 with 30% mag replacing silicates dissem cp & bo	cp, bo	1								

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YUKON TERRITORY

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YUKON TERRITORY

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 qtz-ca fields veins to 6" lower C+30° Carbonated thruout										
1923	19732.84	mg 1x grn qtz-dioic, mafic grn carbonized num carbonized fracts, 3" incl qtz porphyro blastic sed @ 1936' saussuritised, ca rich porphyroblastic incl 1952.5 to 1955' dissim py Thruout excellent coring	Py	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					

WHITEHORSE COPPER MINES
Whitehorse

EXPLORATION ASSAY DATA

Property North Star

Date 17/8/8
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WHITEHORSE COPPER MINES
Whitehorse

EXPLORATION ASSAY DATA

Property NORTH STAR

Date 30/7/81
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Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9386	NS 14	681	685	4	4	4.10		.002 1.34		
9387		714.6	721.5	6.9	6.9	.13		.002 .08		
9388		721.5	724	2.5	2.5	.77		.002 .22		
9389		724	729	5	5	.02		.001 .4		
9390		761.8	768	6.2	6.2	.16		.001 .11		
9391		768	775	7	5	.93	7	.008 .17		
9392		775	781	6	6	.33		.004 .12		
9393		781	788	7	7	.21		.013 .08		
9394		788	795.3	7.3	7.3	1.13		.006 .18		
9395		795.3	807	11.7	11.7	.19		.015 .27		
9396		998.0	1003	5	5	.02		.001 .04		
9397		1003	1010	7	7	.28		.001 .12		
9398		1016.8	1022.5	5.2	5.2	.02		0 .05		
9399		1022.5	1028.6	6.1	6.1	.00		.001 .05		
9400		1038.6	1047	8.4	8.4	.01		.001 .09		
9976		1050	1054.5	4.5	4.5	.01		0 .03		
9977		1077	1088	9.5	9.5	.00		.004 .10		
9979		1298.5	1305	6.5	6.5	4.92		3.75		
9980		1305	1309.1	4.1	4.1	1.64		.002 .64		
9981		1309.1	1316	6.9	6.9	.19		0 .12		
9982		1317.6	1322	4.4	4.4			.0058		
9978		768	795.3	27.3	25.3	0.65				
		1298.5	1309.1	10.6	10.6	3.39				
		1288								1190

EXPLORATION ASSAY DATA

Date _____
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PROPERTY <u>North Star</u>	Claim No. _____	Strike <u>359° 50' 44"</u>	Lat. <u>44977.74</u>	Hole No. <u>NS 13</u>
Date <u>7/7/</u> 19 <u>81</u>	Section No. <u>70,600E</u>	Dip <u>-54</u>	Dep. <u>70602.57</u>	Total Depth _____
Logged By <u>A. Hurreau</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2797.1</u>	Page No. <u>1 OF 13</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	20	0b											
20	52	49	Cg-Fg dk gy pyritic seds to 43' rounded clasts 1cm to 5cm 3% of rock, Fg diorite + mafic, saussuritized volcanics? Fg section from 43' loc blebbed with dioritic + light py dissem, streaks & blebs to 1cm	Py	3-5								
52	62.5	49	3d g dk gy, grn + red partially skarnified seds pyritic as above	Py	3-5								
		30/4	52' to 54.8 as grn mg dioritized sed C+ @ 54.8, 40'										
62.5	90.5	5	white / gr volcanic ls, dk gr dk gr basic dyke, 70.5 to 71' 8/15 limy partially skarnified 5.1 to 71.5 to 73'										
90.5	122	4/3/8a	dioritized, skarnified sed Fg pale gy + grn with epidote										

WHITEHORSE COPPER MINES

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

[illegible]

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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
1187	1190	3 ds/ba v broken SKgn with patches = skarnified diorite loc dissem py Hole reduced NQ-BQ @ 1290' BQ	Py	Tn								
1190	1196	3 ds, 1' rubble rec, 1 cm coarse py = fract & end										
1196	1197	3 sdm, blk/pale grn sm wky met mag z										
1197	1202	3 d/f pale grn sm cut by white soet (3-4) bnds to 3 cm poss kaolinite Fels. loc dioritic + rct										
1202	1215	3 sd/f pale grn dk grn mottled & patches 3 sm, gn + as stn + patch from 1214'										
1215	1236.5	3 ds/ba grn sm with patches + sexts to 2' qld - skarnified diorite good covering										
1236.5	1258.5	3 ds/s grn & wh sm, seep replacing diopsides, deep pink calcite 1248-1249 lt dk grn mottled siliceous bnd 4/3 1257.5-1258.5, with tr Fg py poss skarnified silic sed										

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P.O. BOX 4280
YUKON TERRITORY

Hole No. 1513 Page No. 13

[illegible]

**MINING DIVISION - WHITEHORSE
YUKON TERRITORY**

PROPERTY <u>North Star</u>	Claim No. _____	Strike <u>N 359° 56'</u>	Lat. <u>44617.7 N</u>	Hole No. <u>NS 12</u>
Date <u>19/4/</u> 19 <u>82</u>	Section No. <u>72800E</u>	Dip <u>-5</u>	Dep. <u>72799.5 E</u>	Total Depth <u>974'</u>
Logged By <u>A. HUBEAU</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2709.7</u>	Page No. <u>1 of 3</u>

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P.O. BOX 4280
YUKON TERRITORY

Hole No. NS/2 Page No. 3[illegible]

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

VIP TESTS 200, 400, 600 64°
700, 63° 1120, 1300 67° 1500 66°

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>359°-38'-+3"</u>	Lot. <u>71400.95 E</u>	Hole No. <u>NS-11</u>
Date <u>JUNE 15th 19 81</u>	Section No. <u>71400E</u>	Dip <u>-64°</u>	Dep. <u>44396.27 N</u>	Total Depth <u>1684'</u>
Logged By <u>D TENNEY</u>	Plan No. _____	Level <u>SURFACE</u>	Elev. <u>2770.58</u>	Page No. <u>1812</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
0.0	24.0	01b											
24.0	59.0	4g	fine grained dark grey green greywacke - moderate fracturing. weakly epidotized 3% fine grained pyrite - especially on joints - minor 1 cm clasts - rounded.										
59.0	68.5	3de/4	green skarnified sediment + epidote diopside										
68.5	72.0	3g	pale brown garnet skarn good coring										
72.0	80.8	5	white marble - massive good coring										
80.8	82.5	9b	fine grained green grey basic dyke 2% fine grained pyrite - contacts 70° ? chert (sediment)										
			good coring - pyrite + epidote at contacts.										
82.5	133.0	5	white / grey massive recrystallized limestone mainly good coring										
			115-118 + gr. pale brown garnet in bands 45°.										
133.0	177.0	5	grey limestone some sections dark grey/black - few white sections mainly good coring - minor septaria										
		4g	142.0-142.3; 149.4-149.9 brown fine grained sediment 4% disseminated fine grained pyrite contacts @ 60°										
		4g	146.0-146.3 ——— 60°										
			166.4-166.6 finely laminated limestone - irregular (50°) + fine grained pyrite										
			173.0-176.0 2.5' lost core. (not fault).										
184.0		9ab	medium grained green grey dioritic dyke 70°										

WHITEHORSE COPPER MINES

PLOTTED 40' SECTIONS

INITIALS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

INTXN. GRADE CHECKED

[illegible]

P.O. BOX 4280
YUKON TERRITORY

[illegible]

[illegible]

[illegible]

[illegible]

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
			continent - heavy dark green serpentine on contacts	75°								
		9b	1406.0-1406.4 dark grey fine grained basic dykelet 35°									
		9b	1406.9-1417.7 fine to fine-medium grained dark grey green basic dyke contacts 2 35°									
		5	white limestone inclusions 1408.4-1409.7; 1412.3-1412.9, 1414.2-1416.0									
		--	jointed core 1407; 1416-1423.									
		~	1420-1421 v. broken core + gauge Fault.									
1420.5	1430.5	9abTT	dull pale green feldspar porphyry dyke - fair coring jointed in places.									
		=	1422-1423 jointing									
		--	1426 jointing									
1430.5	1432.0	3 ^{deag}	green to dark green calcilicite skarn + diopside epidote actinolite minor brown garnet fair-good coring.									
1432.0	1434.0	3 ^{s/38}	green serpentine skarn with band brown garnet along edge of core (reaction rim black serpentine). ± 0°.									
		--	1432 jointing									
1434.0	1437.6	9b	fine grained dark grey basic dyke - chilled contacts 100 good coring									
1437.6	1438.5	3 ^{d/2u}	green and brown v. skarnified medium grained diorite + diopside epidote garnet - good coring 2% pyrite									
1438.5	1439.0	3 SM	green and black banded serpentine skarn - thin layer brown quartzite(?) - banding 45° jointed									
1439.0	1450.0	5/(3 ^s)	white limestone minor yellow green serpentine banding in places 45-60° good/fair coring									
		--	1442.0 jointing									
1450.0	1451.0	4g/80°	diorite dyke or black/white medium grained	pyrite 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
1536.7	1539.6	9 ^b	fine grained dark green basic dyke - contacts 30° fair coreing. jointed										
1539.6	1551.0	5(3 ^d)	White grey pale green weakly serpentinised limestone minor siliceous layers 50-70° good coreing.										
		≈	1546-1551 broken core with slips Fault. - more serpentine.										
1551.0	1555.5	3 SM /1	green and black serpentine skarn with disseminated magnetite disseminated fine grained chalcopyrite	cpy	1/4 %	9429	4.5	4.3	.26				
		≈	1551-1552 very broken with slips - fault.										
1555.5	1562.9	3 ^d	pale green diopside skarn with remnants of quartzite fine grained disseminated pyrite, pyrrhotite trace chalcopyrite (few specks) jointed core	py. pyh. (cpy)		9430	7.4	7.2	.08				
* 1562.9	1565.3	1/3 ^d	black and dark green magnetite serpentine skarn - disseminated chalcopyrite + pyrite banding ~70° fair coreing. [this skarn is similar to that in some of the weakly mineralized Middle Chief copper zone holes and is very promising]	cpy	1/2 %	9431	2.4	2.4	.14				
1565.3	1568.5	3 ^d 3	green to dark green diopside skarn with serpentine - especially 1567-1568.5 minor magnetite - disseminated pyrite trace, brown garnet fair/poor coreing jointed	py.	2%	9432	3.2	3.2	.06				
		--	1568.2-1568.5 - heavy disseminated pyrite.	py	10%								
			sample 1484 - 1489 (pyrite in ? dyke or sediment)			9434	5.0	5.0					

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EXPLORATION ASSAY DATA

Date _____
Page No. 1042

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag ppb /	%Fe	Remarks
		From	To							
9429	N 5 11	1551	1555.5	4.5	4.3	.26				
9430		1555.5	1562.9	7.4	7.2	.08				
9431		1562.9	1565.3	2.4	2.2	.14				
9432		1565.3	1568.3	3.2	3.2	.06				
9434		1484	1490	6	6			100		
9435		1575	1580	5	5			<50		

Dolomite = 21.7% MgO

NS 11

WHITEHORSE COPPER MINES
Whitehorse

EXPLORATION ASSAY DATA

Property North StarDate _____
Page No. 2 of 2

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks
		From	To							
9401	NS 11	77'						ppb	2.39	
9402	"	127'							1.73	
9403	"	174'							7.35	
9404	"	181 1/2'	189'					100	"	
9405	"	242'							17.64	
9406	"	286'							18.71	
9407	"	325'							15.06	
9408	"	376'							15.85	
9409	"	427'							2.52	
9410	"	475'							5.18	
9411	"	525'							14.56	
9412	"	571'							6.77	
9413	"	626'							11.40	
9414	"	677'							3.98	
9415	"	723'							11.77	
9416	"	773'							17.98	
9417	"	822'							11.79	
9418	"	876'							10.99	
9419	"	924'							9.53	
9420	"	975'							15.89	
9421	"	1026'							3.32	
9422	"	1077'							14.92	
9423	"	1125'							18.68	
9424	"	1174'							18.04	
9425	"	1224'							18.41	
9426	"	1275'							4.07	
9427	"	1324'							5.46	
9428	"	1374'							18.49	
9433		1450							11.35	
9436		1501							4.53	
9437		1545							16.33	

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

N 5 10
200 57

PROPERTY <u>N 10 + 4 5 + 2 N</u>	Claim No. _____	Strike <u>N (356° 12' 11")</u>	Lat. <u>446 4.1 N</u>	Hole No. <u>N 5 10</u>
Date <u>14/7/81</u>	Section No. <u>73500E</u>	Dip <u>-58 1/2°</u>	Dep. <u>73496.7 E</u>	Total Depth <u>796'</u>
Logged By <u>A. HUBEAU</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2663.86</u>	Page No. <u>1 of 5</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	26	Ob											
26	31	9b	dk gy basic dyke, chl pncsts - 2mm ca in vugs & fractis										
31	98	8a	Fg - mg alt'd gte diorite mafic largely exfoliated num incl Fg porphyritic diorite tr dissem Fg py, eplong fracs	py	Tu								
98	182	9a	med-dk gy non porphyritic andesite? dyke num filled Fractis mod broken py dissem & on fractis @ 156' lower C+40' 167-181 5' Rec Prob erron in tags										
182	199.8	8a	alt'd, saussuritized gte diorite Core mod broken, Fg porphyritic inclis										
199.8	214	79b	Fg dyke as above broken										

WHITEHORSE COPPER MINES

	INITIALS
PLOTTED 40' SECTIONS	S.M.
PLOTTED 40' ASSAY PLANS	
PLOTTED 40' GEO. PLANS	
ASSAYS CHECKED	NONE
INTXN GRADE CHECKED	

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
214	303	8a	highly tilted Keonized mg & t diorite, mafics chloritized, porphyritic dioritic inc 15 245-250 poss porphyro blasts 50d - volcanic, num ca filled veinlets, occ porphyritic saussuritized inc 15 as above Spec specimen & cp @ 297-298 with caution	CP	TV							
303	307	9b 4A	dull grn Fg highly tilted dyke bxd cts 40°, possibly incl									
307	311	8a	as above									
311	313	9b 4A	as above									
313	440	8a	mod broken highly tilted diorite num ca veinlets fels as fillied along fract, mafic chloritized, inc 15 to 2" Fg grn porphyritic meta sds to 326', 15 Fels rich sect 322-350 sudd to 317' 9ab 94 apperative dyke 429-431 cut by gtz, ca veinlets, bxd by gtz ca @ upper ct									

P.O. BOX 4280
YUKON TERRITORY

Hole No N510 Page No 3[illegible]

P.O. BOX 4280
YUKON TERRITORY

Hole No N S 10 Page No 4[illegible]

P.O. BOX 4280
YUKON TERRITORY

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[illegible]

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

Tests 200,400, 220, 300 1220
All 60°

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>N</u>	Lot. <u>74846.72 N</u>	Hole No. <u>NS 9</u>
Date <u>27/5</u> 19 <u>81</u>	Section No. <u>71400 E</u>	Dip <u>-60°</u>	Dep. <u>71382.99 E</u>	Total Depth <u>1437'</u>
Logged By <u>A. H. UREAU</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2759.65'</u>	Page No. <u>1 OF 14</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	39	boulders										
39	45	9 ab, dk gy Fg dyke s+hrs + patches epidote conc broken										
45	51	39 d/s broken limy red grn SK = 1' rubble 47-50'										
51	68.5	5/3 dk - gy Fg LS w occ patch = gn + dk conc broken										
68.5	106.5	35/5 partially smeltified LS serp pale grn occ patches dk grn - blk loc d e, g good building @ 94' 60° in siliceous bd conc mod broken 80° in Serp SK @ 106' occ spec's sericite in SK										
106.5	152	82 Fg - mag mafic and diorite patches & incl limy SK to 113' & from 135', 40% mafic's occ spec py non magnetic dioritized Sed ? 3' = conc broken from 135'										

WHITEHORSE COPPER MINES

PLOTTED 40' SECTIONS

INITIALS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

WKN. GRADE CHECKED

SM.

SM.

[illegible]

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
269	287	8a	Fg 8a, epidote on Fractures & patches mafic grey rhyolite & dull green diopside? mafic Fg inc is fair coring										
287	296	2	2' rubble 8a & 3s recovered										
296	307.5	35/5	LCGd, broken limey str pale green occ patch blit 2 rubble to 300'										
307.5	337	3 1/2	3 1/2' pale grey green & brownified sed possibly Fg dyke occ spec py 9' rubble recovered	Py	Tr								
337	398.5	35/del/5	partially brownified vuggy LS, scrap green lt green, core green broken rubble 300 to end										
398.5	406.7	9bTi	dk grey green basic dyke ~~subdral~~ white felds phacsts to 3mm & broken										
406.7	423.5	3	5/35 rubble wh & pale green skarn & LS										
423.5	442	5	gy LS to 426' (1.5' R-C) lower at 30' & remainder white dol LS & broken Fg py @ 435'	Py	Tr								

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[illegible]

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FOOTAGE			ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlc, Crystalline, Shearing, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	Sample No.	Width	Recov.	% Cu	% Fe	Moly	Au/Ag	Insol
809	846.7	3d	5/5 gln sterv w patches serp-chl interstitial ca, ca on fracts lower c + 80° excellent caving										
846.7	859	9a 67	gy porphyritic dphc phosst + to 1.5cm epidote on fracts + patches qtz filled fracts to 3mm core mod broken										
859	869	8a 13	fg wh + pale gln eltd diorite with fg scussuritized incls occ patch ep, d, fg										
869	901	3s/d 9/5	limy pale - dk gln SK 8a 13 870.5 - 871.7 Silicified diorite fg 877.3 to 881.5 3dg loc veins LS From 887 mainly yellow gln serp + carb lower c + 50° good caving										
901	906.3	4g/3	gy gln pyritic novufels whk magnetic last 6" 80% serp lower c + 55° good caving	Py, po	3								
906.3	953.5	3s/d 9/5	lt + dk gln serp SK with veins dolo LS + occ sects with gln + diop, dk serp occ whk magnetic, core mod broken	mag	Tr								

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[illegible]

[illegible]

[illegible]

EXPLORATION ASSAY DATA

Date 26/5/18
Page No. _____

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Te	Remarks
		From	To							
9376	1459	966	978	12	12	0.00				
9377		978	990.3	12.3	12.3	.05				
~~9378~~		~~1062~~	~~1068~~	~~16~~	~~18~~					
9379		1068	1078	10	5	.05				
9380		1084.5	1092.7	8.2	8.2	.17				
9381		1136.5	1144.5	8.0	8.0	.12				
		dyke								
9382		1145	1151	6	6	.05				
9383		1151	1157	6	6	.16				
9384		1263	1267.5	0.5	0.5	.25				

1400 78°
1400 78°
1600, 1800 78°

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>EC</u>	Lat. <u>2800 S</u>	Hole No. <u>NS8</u>
Date <u>2/7/</u> 19 <u>80</u>	Section No. <u>295</u>	Dip <u>-73 1/2</u>	Dep. <u>7+22 W</u> ✓	Total Depth <u>1866'</u>
Logged By <u>G MORRISON A. HERRON</u>	Plan No. _____	Level <u>Surface</u>	Elev. <u>2752'</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	33	OB												
33	90	8a	1/4 mg - Cg qtz & diorite with 5% angular inclusions of pyritic siltstone, (angular), various degrees of recrystallization from siltstone to dioritic epidote & chlorite veinlets, epidote grains also disseminated pr in veinlets & dissem more in inclusions than in diorite, h bde x tals partially chloritized felds partially saussuritized core broken 46-64 48-57' 2.5' Recovered, inclusion carbonate, epidote possibly carb rich siltstone 57-64 2.5' rubble bedded siltstone inclusion to 60'? to 64' rubble 8a, diorite alt + to 72.5' pitch epidote, pr, carb also in feldts 10-15% epidote, breaching of mafics	PY MOO DO?	Z TR									
WHITEHORSE COPPER MINES														
PLOTTED 40' SECTIONS												INITIALS JH		
PLOTTED 40' ASSAY PLANS												/		
PLOTTED 40' GEO. PLANS												/		
ASSAYS CHECKED												JH		
INSTN. GRADE CHECKED												✓		

[illegible]

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
181	290	82/4	glt diorite with mafic inclusions of glt scds or possibly early diorite, 186-189 brecciated glt diorite, well banded siltstone inclusion 199 to 200, with veinlets in diorite to 203, Cg diorite to 209, followed by mafic diorite incl, banded (48°) from 212 to 214, Epidote clst diorite to 227.5, to 228.5, mafic diorite siltstone incl 241.5 with few dioritic veinlets, to 251 glt diorite brecciated along veinlets 241.5-255.5, angular siltstone 49 inclusions, dark gr, blk pyritic siltstone 255.5 to 267 8a intensely black diorite 268-269.3										
		49	ep, py, act, rich siltstone incl with tv moss 269.3 to 277 3 a, t, e, & Ca, vuggy limy shear 277-283 with 6" band 8a 279.4 8a Cg mafic diorite to 286' mafics chloritized 8a 1/3 e, q, d, blk & glt diorite, diorite glt epidote & K spar 286-end	moss	72								

[illegible]

[illegible]

[illegible]

FOOTAGE		ROCK CLASSIFICATION Epid, Diop, Gorn, 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
614	625	35/dg w hly mag 1+ grn - blk siltst pyroxenite & hornblende	mag	Tr								
629	667.5	35//dg/8a 1+ grn & blk siltst with sections of mag w/ht pale green rhyolite diorite loc buding 30-50°, loc w hly mag	mag	Tr								
67.5	680.5	4g red brown pyritic siltstone upper ct + lrvy 24°, buding along core to 20° in siltstone cut by 2.5' section bldd 8a from 673', vintlets act, py, qtz, py in siltstone 1cm cl vintlet @ 10° to core @ 679' with streaks & black py bldd oxts, epidote altd 8a @ lower ct	2-3%									
680.5		35/8a 1+ grn to blk serp siltst with sects 8a 8a 689 to 702, 3dg/ls 705.5 to 708, budng in ss gen 40°, 8a 729 to 743 altd diorite 4g 1' bud pyritic siltstone, act, epidote serp altn.										

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
680.5	789.5	3/2a	bedding 745 35° in 35										
		8a	alt diorite 760 to 780'										
			From 777' Ca in veins to 4cm										
		8a/3aegd	robitic sect with patchy act, garnet & epidote 784 to 789.5										
789.5	813	3d,e	pale grn skarn, loc bchd & uoggy C 792 grey metallic min brn stn, non magnetic. 80.6-807, 812-814 core broken grey metallic min patchy, dissem < 1%	Sph?	< 1								
813	815	3e	epidote rich sm section										
815	820	8a/3c9d	alt diorite with skarn patches										
820	829.5	3	a, g, e/s dk grn & brn skarn act loc as radiating tails occ spec: spec hem, with tr cp lower Ct 28° Sample 820-829.5	now cp	< 1 Tr								

[illegible]

***** Support needed *****

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS8</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>10</u>

[illegible]

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
	1326	3sc	blotchy texture dark green crystalline serpentine										
	1'		(ex fo?) with interst. carbonate	irreg contact	70° at	1326							
	1343	5/3s	bleached & part grey green. Tinted m.g. dolomite & limestone										
	1354.6	3s	dark green serpentine patchy to 1350 then light green calcite serp ± diop no magnetite										
	1369	5	bleached white limestone few patches dark green serp	25° @ 1369'									
1369	1380	3sc	patchy texture serpentine skarn with dark green, bright green & yellow buff pseudomorphs of forsterite? (from xtal shape) with calcite matrix (30-60%) no magnetite.	spec 1375 for + s.	36° @								
1380	1396.5	5	white - lt gy bleached limestone < 10% dolom veins patches relic mid grey m-c.g. very sharp contact	duplicate log to 1437	contact 51° with skarn								
1396.5	1399	imgc	dark grey brown magnetite garnet calcite qtz skarn massive m.g. granular mt (30%) c.g. euhedral dark honey brown garnet (30%) interstitial c.g. calcite, quartz minor diopside ± act no obvious reaction relations m.g. granular chalcopryrite locally with mt	mt	20%								
				cp	0.22%								
1399	1408	3smc	dark green - black massive - irregular banded serpentine magnetite qtz calcite ± diopside skarn	mt	30%								
				cp	patch at 1408 not in log	< 0.1% Cu							
					banded 63° mt / ls irregular								

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
1399	1408	9.5m	contd minor gnt + cp at upper contact serp + diop 40% mt 30% qtz, cc, fo? ± phlog f.g. granular mt in matrix of stringy serp + diop minor massive veg bladed mt at 1401 massive cp band 3in wide near 1405 Sharp contact lower										
1408	1414.5	3m	massive black f-mg magnetite rich skarn with patches-bands & interstitial qtz-cc-humite? minor serpentine 60-80% mt irregular banding qtz-cc 77° at 1412	mt	70%								
1414.5	1437	3dms	massive patchy-banded mostly green diopside-mt-cc or mt-serp-cc or mt-humite?-cc f.g. mt rich 1415-1417.5 - 1427 m-f.g. serp ± act rich - 1432 mt rich f.g. granular mt cavity v.c.g. calc + diop xst - 1436 minor dark honey gnt + radiating humite + diopside matrix f.g. mt. (10%) - 1437 serp-mt-diop-cc tr sphalerite?	mt cp + r	15%								

[illegible]

FOOTAGE			ROCK CLASSIFICATION Epid, Diop, Garn, Serp, Qtz/Sil, Actino, Tremo, Chlo, Crystalline, Sheering, Veins, Fracturing, Foliation, Grain Size, Texture	MINERALIZATION		ASSAY DATA							
From	To			TYPE	%	Sample No.	Width	Recov.	% Cu	% Fe	Moly	Au/Ag	Insol.
1433.2	1435.8	3	dgm, green & brown skarn with lenses & patches magnetite few specs ba & cetc, bedding loc 40°	mag	10								
				cp	12								
1435.8	1437	3	sdm, green & black skarn, diopside xtals to 4mm, dissem fg mag lower ct ivreg @ 70°	mag	40								
1437	1450.2	5	13s white & pale green partially scupd xtaline dolomite limestone @ 1449 bedding 30° garnet developed @ upper ct										
1450.2	1462	9b, 35m	dark grey green, serpentinized dyke, numerous ivreg ca filled fract's 3mm in fract @ 1453' 6" 35dm from 1457' with cts @ 60° & 40° ct @ 1462' 30°										
1462	1466.3	8a	13cs green & white skarn & skarnified diorite, luggy to 1364' contains dissem mag ct @ 1466.3 appears gradational vague bedding ± 40°	mag	<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
1466.3	1509	9a	b74 gvy white & green feldspar porphyry dyne felds grains equidial to rounded to 1cm in green groundmass, xenocrysts locally chloritized, from 1499' bleached along fracture with patches (rounded) of epidote, sheared @ lower ct 40°										
1509	1534	3	dc/5g light green smarn with patches dark green serpentine latter at times with dissem mag occ patches red brown garnet, + cp & bo @ 1532 ~ core very broken 1510-1511.5 ~ & 1526-1527	mag	<1								
				cp	Tr								
1534	1544.6	8a	1/3 deg sm, sections smarn and alt d liavite, 3/4 deg From 1539 to 1541 green & black smarn with occ specs 30% bo & cp, 1535 to 1536.3 gtr derived smarn lower ct 50°	bo cp	.5								
				mag	5								
1544.6	1557.3	2	de ms green/black smarn with patches bicks & dissem mag, dissem cp streaks bo & cp on fract @ 1549'	cp bo	.75								
				mag	5								

WHITEHORSE COPPER MINES LTD.

P.O. BOX 4280
YUKON TERRITORYHole No 1558 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
1557.3	1570.3	3 1/2	de, s, green skarn as above bot with less serp & mag, occ spec cp, cp on fract @ 1568.5 remnant of ls @ 1568', good coring	mag cp	<1 .3								
1570.3	1586	2	de, s, med grn / black skarn mag and serp as patches & specs replacing 2 de, cp as dissemin specs & fract filling occ spec bot & core? 2" ca @ 1577' 90°, minor garnet to 1575, mainly diopside, marginite to 1584	cp, bo core?	1								
1586	1600.6	3 1/2	de, s, green skarn as above but with buds 35m downward end, occ spec cp good bedding in 35m @ 1600' 55° core v broken to 1595-1597, tv bo 1586-1587 mag vining serp, vining serpentine	cp bo	.3 Tr								
1600.6	-1640	3	de, s, green & black skarn mag serp skarn as specs patches & buds replacing 3 de, occ specs fq cp, patch garnet @ 1633' core v broken 1602-1603 1616-1617, 1631-1633, to 1600-1604.5 gtd diorite. endo strain to 1610, less diopside more carb & serp from 1616'	cp mag bo	.3 2 <1								

P.O. BOX 4280
YUKON TERRITORY

Hole No. NS-8 Page No. 11

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NEW IMPERIAL MINES LIMITED
MINING DIVISION - WHITEHORSE
YUKON TERRITORY

Form No. 2

EXPLORATION ASSAY DATA

Property NORTH STAR

Date 26/5 1980

28005

Page No. 1 of 2

Sample No.	Hole No.	Footage		Length	Rec.	% Cu	% MoS ₂	PPB / 0.4/0.4		Zn	Remarks
		from	to					Ag	As		
10955	N/S 8	1396.5	1399	2.5	2.5	.68	✓	120	.19	.30	
10956		1399	1404	5	5	.05	✓	14	.14	.23	
10957		1404	1409	5	5	.26	✓	2	.08	.04	
10958		1409	1414	5	5	.02	✓	3	.07	.03	
10959		1414	1419	5	5	.004	✓	<1	.06	.01	
10960		1419	1424	5	5	.003	✓	1	.07	.01	
10961		1424	1429	5	5	.003	✓	<1	.07	.01	
10962		1429	1433.2	4.2	4.2	.01	✓	5	.03	.01	
10963		1433.2	1437	3.8	3.8	.06	✓	12	.03	.01	
10964		1462	1464	2	2	.02	✓				
		dyke									
10965		1509	1515	6	6	.07	✓				
10966		1515	1520	5	5	.22	✓				
10967		1520	1525	5	5	.10	✓				
10968		1525	1530	5	5	.01	✓				
10969		1530	1534	4	4	.04	✓				
10970		1534	1539	5	5	.06	✓	66	.01	.003	
10971		1539	1541	2	2	.15	✓	58	.03	.01	
10972		1541	1544.6	3.6	3.6	.20	✓	77	.06	.01	
10973		1544.6	1551	6.4	6.4	1.23	✓	<0.01	310	.40	.01
10974		1551	1557.3	6.3	6.3	.39	✓	<0.01	220	.12	.01
10975		1557.3	1564	6.7	6.7	.36	✓	<0.01	51	.08	.01
10976		1564	1570.3	6.3	6.3	.32	✓	<0.01	540	.03	.01
10977		1570.3	1576	5.7	5.7	.58	✓	<0.01	350	.08	.005
10978		1576	1581	5	5	1.44	✓	<0.01		.09	
10979		1581	1586	5	5	.99	✓	<0.01		.06	
10980	Bernite	1586	1591	5	5	.95	✓	<0.01		.35	
10981	"	1591	1600.6	9.6	9.6	.36	✓	<0.01		.09	
10982		1600.6	1610	9.4	9.4	.22	✓	<0.01		.04	
10983		1610	1620	10	10	.28	✓	<0.01		.06	
10984		1620	1630	10	10	.24	✓	<0.01		.03	
10985		1630	1637	7	7	.50	✓	<0.01		.06	
10986		1637	1644	7	7	.33	✓	<0.01		.04	
10987		1644	1648	4	4	.42	✓	<0.01		.06	
10988	1/2 fracture of SPY at 1654.7	1648	1658	10	10	.58	✓			.03	
10989		1658	1667	9	9	.11	✓				
10990		1667	1674	7	7	.17	✓				
10991		1674	1681.4	7.4	7.4	.14	✓				
10992		1681.4	1690	8.6	8.6	.01	✓				
		1544.6	1591	46.4	46.4	0.76	✓	35.3			
		1591	1658	67	67	.36	✓	24.0			
		1544.6	1658	113.4	113.4	0.52	✓	59.3			
		157	511	15	15	1.14	✓				

YUFOID TERRITORY

EXPLORATION ASSAY DATA

Date 12/6 19 80

Page No. 2 of 2[illegible]

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

600
1000
1500

820
820

PROPERTY <u>North Star</u>	Claim No. _____	Strike <u>E</u>	Lot. <u>28005</u>	Hole No. <u>NS7</u>
Date <u>July 8</u> 19 <u>80</u>	Section No. <u>205</u>	Dip <u>-80°</u>	Dep. <u>2+14 W</u>	Total Depth <u>1553</u>
Logged By <u>G Morrison</u>	Plan No. _____	Level _____	Elev. <u>2709'</u>	Page No. <u>1 of 6</u>

FOOTAGE				ROCK CLASSIFICATION	MINERALIZATION										ASSAY DATA					
From	To			Epid Diop Garn Serp Qtz Sil Actino Tremo Chlo Crystalline Shearing Veins Fracturing Foliation Grain Size Texture	TYPE	%	Sample No	Width	Recov	%Cu	%Fe	Moly	Au/Ag	Insol						
37	39			dark brown bleached matrix with some greenish grey material																
41	43	4a		dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
48	52	3a		dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
53	56	4a		dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
	80	4a		dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
	90	5a		dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
				dark brown bleached matrix with some greenish grey material																
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				dark brown bleached matrix with some greenish grey material																

WHITEHORSE COPPER MINES

PLOTTED 40' SECTIONS

INITIALS

PLOTTED 40' ASSAY PLANS

PLOTTED 40' GEO. PLANS

ASSAYS CHECKED

NOTED

INTXN. GRADE CHECKED

and brown border silty sh. gneiss, diorite
 just above patch. epd-co-act-pg
 diorite hbl sharp contact with gneiss and inclusion
 of biotite in a silty sh. of gneiss by hbl diorite
 316 (under 300 diorite)
 diorite, biotite, quartz, feldspar, and gneiss
 in fine grained matrix of gneiss, and gneiss
 biotite, quartz, feldspar, and gneiss
 inclusion of carbonate with diorite and gneiss
 altered matrix some of the diorite
 - some gneiss associated with carbonate
 and the inclusion of biotite, quartz, feldspar
 patches of gneiss, diorite, and gneiss
 - gneiss, diorite, and gneiss
 total inclusion 60% of rock
 and low porphyry like matrix of gneiss and green
 (499) partly altered e.g. hbl diorite
 with 40% inclusion altered and
 partly crystallized silty sh. and gneiss
 and inclusion layered diorite gneiss at 316
 inclusion contacts sharp.

Inset

[illegible]

929 Bgde/8a brown/gnt rapid/drop/patchy discont

[illegible]

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

1000 60°
1330 63°
1715 65°

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>W</u>	Lat. <u>24S</u>	Hole No. <u>NS 6</u>
Date <u>4/7/</u> 19 <u>80</u>	Section No. <u>245</u>	Dip <u>-58°</u>	Dep. <u>7+02 W</u>	Total Depth <u>1896</u>
Logged By _____	Plan No. _____	Level <u>Surface</u>	Elev. <u>2755'</u>	Page No. <u>1 of 15</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	37	06											
56.5	80	14	Diogenized grt + or pyroxene 30% mafics, cl. 25% amphib 5% of rock bio, disseminated py carb in matrix, clots, small in cl ep, act & py, small angular siltstone incl, ep, act, 2-3% veins, incl 15-20% of rock C + @ 56.5 30°, 39, 2, 2, 2, 2, 2	Py	2								
WHITEHORSE COPPER MINES													
PLOTTED 40' SECTIONS SEC. 1" = 100'												INITIALS SM	
PLOTTED 40' ASSAY PLANS													
PLOTTED 40' GEO. PLANS													
ASSAYS CHECKED												NONE	
INTXN. GRADE CHECKED													
56.5	135.5	79	blchd siltstone, minor ss & cong, ep veins, 2-3% Ca veins patchy epidote alt, occ patch siltstone, loc bndg grt + sil @ 66' 36°, 90 massive, blching in veins & @ 72' patch 3 d, 9e, in irreg 3" vein with K spar, @ 77' bnding 53°, epidote alt more dominant in grt bnds, py disseminated Fr 120-132 grt & cong with siltstone bnds (39, 2, 2, 2, 2, 2) mafic rich greywacke, cong with	Py	2								

[illegible]

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
		32g	194-195 massive sil										
		8a	195-196.5 alt diorite										
207	225	5/35	partly recrystallized mg dk grn ls patches & specs Serp dk grn & yellow frn bedding @ 221', 57°										
225	229.5	X	mainly 5/35 rubble act+with 8										
229.5	266	8a	mg. epidiorite, Sects from 240 intensely bleached patches qe, & ca veins & patches X rubble 240-241.5 35/5 Serp ls incl 241-242.5 Fr 252 fresh - bleached in patches 6" rubble at end										
266	270	35	pale yellow grn with few blm bnds										
270	313	8a	mg - cg alt d. orite, grt + act diorite or dioritized sds? inclusion										
289	290.6	4g/3	bleached sil with act, e, py veinlets										
313	331	35	ca green ss with patchy d, q, contains phlog & minor mag bedding @ 310' 63°	py mag	Tv Tv								

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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
1436	1562	90	67 F, porphyry dyke 2' chill 204- at top, 20% wh fields & no crystals to 1 cm, occ crossed by 20-40 149 3.5 - 1508 fine grained sacrificial dyke cutting F Ti dyke @ 2140 mag dyke 1500-1510, brown & greenish										
1584.5	1594.5	5	1531 1534 py breccia (43°) so along 1535-1540 py breccia 1543 90 1543-1550.5 ls with siliceous py with Fe-rich zones 4 1553 py breccia 1555-1560										
1584.5	1604	5	1420 ls, with occ siliceous above, few fract with S										
1604	1626	5	mg, medgy bnded ls (60°) stain @ 1603 50-50 dol-ca										
1626	1632	9	90 Fqgru dyke 9, d, s margin mag & trcp on upper ct, py & act in skarn at lower ct 35°	mag CP	Tv Tv								

[illegible]

[illegible]

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
1806.5	11813.3	9a	brn (Fe, py, xocrysts, upper + 46, lower ct, irreg sharp.										
1813.3	1815	4	blchd sandstone spots epidate & veins e, act & py, no dissem py										
815,	1896	9g/9	var blchd brn pyritic interbedded Siltstone & Sandstone, loc bedded gen massive, 30-40% blchd grn vein & patch, (beach deposits) few qtz veinlets, blchd sects 1819-1821, pervasive Chloritization of bio, few patches veined bio, distinct veinlets white blchd halos, veins, of py, act, ep, to 1840, partly blchd sand & siltstone with few grit beds, 1.5cm dyke as above, by dissem mosz on fract @ 1829' From 1840 coarse sand to grit rip up clasts, ends sharply at 1846 19% dissem py, py also with qtz & ca in fract From 1846 brn mainly silty to 1876.5 20% breching vein related, pyritic, veins with act & py										
				mosz	Tr								
				py	2								
				py	2								

[illegible]

Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

NO CORE ASSAYED

PROPERTY <u>NORTH STAR</u>	Claim No. <u>EM idell 15</u>	Strike <u>217°45' (W)</u>	Lot. <u>38345</u>	Hole No. <u>NS5</u>
Date <u>21/7/1979</u>	Section No. <u>38505</u>	Dip <u>-70°</u>	Dep. <u>130W</u>	Total Depth <u>582'</u>
Logged By <u>A. HUREAU</u>	Plan No. <u></u>	Level <u>SURFACE</u>	Elev. <u>2712'</u>	Page No. <u>1 of 5</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	23	0b											
23	42	8a	ag euhedral to rounded felds grains to 5mm with holes & tails (few) to 3mm in finer grained quartz, bio felds groundmass, probably disrupted sed. cut by few if felds veinless to 1.5cm, dissem & streaks py thruout	Px	1								
42	76.7	9a	graded coarse grained grains to 3mm qtz with sects banded siltstone (to) pyritic thruout, cut by occ veinlet qtz diorite, blebs py toward lower 9ab pale green dyke 50.8 to 53'	Px	1								
76.7	116.5	9ab	pale-med green dyke felds in crystals euhedral to anhedral to 1cm ± 3% alt to epidote; in green matrix, num Ca filled Fracts, good coning broken at contacts										

WHITE HORSE COPPER MINES					
PLOTTED 40' SECTIONS					INITIALS
PLOTTED 40' ASSAY PLANS					✓
PLOTTED 40' GEO. PLANS					✓
ASSAYS CHECKED					✓
FIN. GRADE CHECKED					✓

WHITEHORSE COPPER MINES

	INITIALS
PLOTTED 40' SECTIONS	✓
PLOTTED 40' ASSAY PLANS	✓
PLOTTED 40' GEO. PLANS	✓
ASSAYS CHECKED	✓
FIN. GRADE CHECKED	✓

[illegible]

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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
Contd	390.4		Felds grains to 2cm from 389.6, becoming chilled, more epidote developed few xocrysts. 2cm qtz & ca filled fract @ 387.6 with fragments of dyke 30° C+ @ 390.4' 45°										
390.4	396.7	48	13eq d/8a grey green pyritic skarnified qtz dioritic trct from 395', vogue bedding 40° lower C+ 40°										
396.7	469	8a	mg grey green altd diorite 10-20% mafics largely chloritized felds partially saussuritized, occ bleaching of felds, patchy dissem py, = 431-434 qtz & ca filled fracts conc fracted & bleached	py	L1								
469	542	8a	mg white & grey altd diorite less saussurization than above more bleaching of felds along fracts, more inclusions of dioritized ss, patchy dissem py hbls partially chloritized, = @ 526.2 5" leached vuggy, zone carb'd, traces garnet developed	py	L1								

[illegible]

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
315	324.5	5	1/3 sdc partially silicified gr grn xtaline ls									
324.5	342	4 8 1/3	gr brn grn cherty hornfels bnds & patches black sects well laminated 15° epidote along bnds & fractr, occ Stx or fract filling CP & 150 patchy dissem CP & py = core v broken 335 - 340 lower ct gradational	py CP	1/2 .3							
342	351	3 4 1/4	grn brn sh with veins gr hornfels, patchy dissem CP TN py	CP py	.3 TN							
Sample 324.5 - 333				~~py~~		7967	8.5	8.5	0.26			.12
333 - 342						68	9	9	0.29			.14
342 - 351						69	9	9	0.22			.06

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YUKON TERRITORY

Hole No. NS 5A Page No. 6

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
556.0	666.0	4g	mainly fine/medium grained dull green siliceous epl/diopathie sediments with minor sections denser material weakly laminated in places - epidote fair - good bedding few sections good banding 60° No disseminated fine grained pyrite.	py	17.								
		8"	572-576 diorite										
		9"π	573-576 chilled dykelet along core - very irregular										
		8 1/4	585-586 5cm brecciated fragments grey sediment with matrix lte/black diorite										
		8 1/4	591-592 — " — 53° @ 6.0' good bedding										
		✓	618.8 slips and fault + white calcite stringer 10'										
		≈	623-625 broken core										
		≈	634.5 - mainly rubble Fault zone - broken core minor quartz carbonate veining - some leaching, bleaching and alteration.										
			648.2-649.5 white grey quartz carbonate veining in altered fine grained green sediment - specks chalcopyrite and malachite (? spumelleite) chloritic slips 10°	cpy Mo Hem?	TR. TR								
			650-652 specks chalcopyrite trace malachite	cpy	2%								
			sample 649-653			9349	4.0	4.0	0.24			0.13	
		≈	654-664 mainly broken core - minor fault gouge heavy chloritic shears 662-665 + white quartz carbonate veining <u>Fault</u> 30° 40°										
666.0	668.0	3 1/2	663.5-664 fault gouge pale green dioritic stain - after sediments - disseminated fine grained chalcopyrite	cpy	1/2%								

Hole No. NS 5A Page No. 7

0.12

Hole No. NS-5A Page No. 8[illegible]

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Hole No. NS-5A Page No. 29

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
			banding 35° - minor magnetite in some Serpentinous sections.										
		--	814-815 jointing										
		≈	817-819 broken core Fault										
		--	823 jointing										
		≈	825-827 broken core										
			827-832 good coring										
832.0	837.5	3 rd	green friable serpentine diopside skarn - sheared with much mud										
		~	832-833 very broken - Fault ? 30°										
837.5	842.0	5/3 rd	pale green / yellow weakly serpentinized limestone good coring										
842.0	848.6	3 rd	brown and green garnet diopside skarn minor epidote. good coring										
848.6	849.5	5	grey limestone banding 35°										
849.5	853.0	9 ^b	fine grained dark grey basic dyke jointed to broken - contacts @ low angle										
853.0	872.0	5	massive white limestone fri to good coring weak remnant banding 30-60°										
872.0	877.0	9 ^{ab}	green fine / medium grained intermediate dyke 1-2 mm white feldspar stals. contacts @ 60°. good coring										
877.0	923.0	5/3 rd	massive white / grey limestone good coring - very weakly serpentinized in places banding 45°. minor green brown skarn 90° - banded 30° + disseminated chalcophyllite	cpy	tr								
		--	921-922 jointing										
			917-918 banding minor stannification 70°										
			895. disseminated pyrrhotite specks chalcophyllite	pyh (cpy)	tr								
923.0	940.7	2 nd gr	green and brown diopside garnet skarn with sections	cpy	1 3/4%								

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Hole No. NJ 5A Page No. 10

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Hole No. N55A Page No. 12

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
1042	1051.5	3 1/2	d, pale grn SK hly sand & lead to 1045'										
1051.5	1059	← 3	e, d, s, med-dk grn SK, diopside seeds as remnants to spec hem @ upper ct, rare tr cp 6" 3g e lower ct 1/2 broken 10 53-10 57										
1059	1082.5	8 1/3	1/43, mg rtd diopside with occ 3g or 3d, s, e, buds highly sand num ca filled fracts 8b From 10 73.5 occ specs stvms & pat-40s cp, stvms pk e 10 73.5'	py cp	Tr 1								
1082.5	1086	3 1/2	8e/35e, sand chloritized mafic intrusive with fragments pale grn diopside SK, spec hem in dk grn - blk frags specs cp	hem cp	Tr .2								
1086	1088.5	3	deg/82 pale grn - wu endo SK										
1088.5	1089.0	1/2	35ce/82 s ann. ried diopside robbie with spec hem & tr cp + mag	hem cp mag	2 Tr Tr								

Hole No NS 5A Page No 13[illegible]

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Hole No. NS 5A Page No. 17

Holdings 2 1867-2
 Carron Diamond Drilling

WHITEHORSE COPPER MINES
Whitehorse

EXPLORATION ASSAY DATA

Property NS 5A N/00 + 45 + 00

Date 24/11/91
Page No. 1

Sample No.	Hole No.	Footage		Length	Rec.	%Cu	%Moly	Au/Ag	%Fe	Remarks	Ft. Cur.
		From	To								
	NS 5A										
9350		666	668	2	2	.21		.12			
9351		786.4	786	4.6	4.6	0.04		0.09			
9352		786	788	2	2	0.18		0.12			
9353		923	928	5	5	3.32		0.44			
4		928	933	5	5	2.40		0.36			
5		933	938	5	5	2.79		0.35			
6		938	940.7	2.7	2.7	2.71		0.35			
		923	940.7	17.7	17.7	2.82		0.38			49.867
9357		967.5	973	5.5	5.5	1.10		0.10			
8		973	977.5	4.5	4.5	0.23		0.14			
9		977.5	979.5	2	2	7.62		0.96			
60		979.5	983.5	4	4	0.96		0.14			
61		983.5	988.5	5	5	0.62		0.14			
9362		988.5	993.0	4.5	4.5	3.44		0.33			
63		993.0	999	6	6	0.98		0.30			
64		999	1004.7	5.7	5.7	5.36		0.58			
65		1019	1022.5	3.5	3.5	1.75		0.41			
		977.5	1004.7	27.2	27.2	2.57		0.32			69.81 71.672
9366		1051.5	1059	7.5	7.5	0.11		0.05			
67		1073.5	1078	4.5	4.5	0.21		0.09			
68		1078	1082.5	4.5	4.5	1.23		0.20			
9369		1082.5	1086	3.5	3.5						
		16									
9370		1327	1332	5	5	0.54		0.20			
9371		1332	1332.8	0.8	0.8	8.40		1.75			
9372		1375	1376.5	1.5	1.5	0.36		0.17			
9349		649	653			0.24		0.13			
9350		666	668			0.21		0.12			

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>GRD WEST</u>	Lat. <u>29+00 S</u>	Hole No. <u>NS-4</u>
Date <u>APRIL 23</u> 19 <u>76</u>	Section No. <u>28+00 S</u>	Dip <u>-75°</u>	Dep. <u>2+16 W</u> ✓	Total Depth <u>1596</u>
Logged By <u>G.H.</u>	Plan No. _____	Level <u>SURFACE</u>	Elev. <u>2717.1'</u> ✓	Page No. <u>1</u>

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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
56	58	3 1/2 ft 8a	SKARNIFIED DIORITE: POORLY DEVELOPED GARNET - DIOPSIDE AND EPIDOTE IN HIGHLY ALTERED DIORITE.										
58	60.5	9b	FINE GRAINED MAFIC RICH SILICIOUS DYKE: AS ABOVE										
60.5	64.0	8a	EPIDOTIZED HIGHLY ALTERED DIORITE WEAK GHOSTY DIORITIC TEXTURE TO GREY SILICIOUS GROUNDMASS. EPIDOTE BANDS - STRINGERS AND FLOODING PERVASIVE THROUGHOUT. RARE SPECKS PYRITE.										
64.0	93.8	8a	ALTERED DIORITE: GENERALLY MEDIUM GRAINED 20-30 CT. VARIETY WITH 3-5% EPIDOTE THROUGHOUT NUMEROUS LOCAL VARIATIONS FROM 5% MAFICS - KAOLINITE AREAS TO FINE GRAINED MAFIC RICH AREAS. TRACES OF PYRITE THROUGHOUT.										
93.8	99.5	4 1/3 ft 10a	SKARNIFIED - DIORITIZED PYRITIC GRAY BROWN QUARTZITE INTERMIXED. BRECCIATED FINE SILICIOUS TEXTURE										
99.5	106.	5	VERY NEARLY SERPENTINIZED LIMESTONE										
106	112.	4 1/3 ft 10a	SKARNIFIED - DIORITIZED PYRITIC FELDSPATIC SEDIMENT SIMILAR TO ABOVE EXCEPT INDIVIDUAL UNITS MORE DISTINCT AND SEDIMENTS MAFIC RICH.										

mostly bleached green cc-gtz and agt veins

SHARP AT 90°

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Hole No. NS-4 Page No. 4

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Hole No. 154 Page No. 6

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Hole No. N54 Page No. 2

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Hole No. 454 Page No. 8[illegible]

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Hole No. 259 Page No. 10

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Hole No. 15-4 Page No. 12

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Hole No. NS-9 Page No. 14[illegible]

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Whitehorse Copper Mines Ltd.

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

Spring 2m - 130' 50° 1700 49°
330' 50° 1700 50°
430' 50° 1700 50°
530' 48° 1700 49°
750' (475' ?) 1700 49°

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>GRD WEST</u>	Lat. <u>38 + 50.5</u>	Hole No. <u>NS 3</u>
Date <u>APRIL 23</u> 19 <u>76</u>	Section No. _____	Dip <u>- 50°</u>	Dep. <u>4 + 85 W</u>	Total Depth <u>305</u> REGISTERED TO
Logged By <u>N. LEW</u>	Plan No. _____	Level _____	Elev. <u>SURFACE 22725</u>	Page No. <u>2191</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	7		OVERLOOKED AND MISSING										
7	17.5	30/100	DIPRITE BEDDING CYCLE MEDIUM GRAINED WHITE LAMINAE (W) FINE GRAINED GREENISH BROWNISH 10-15% MAFIC & SUBVOLCANIC GRANITE TEXTURE COPE MODERATELY COARSE CONTACT FRAGMENTED										
17.5	29.9	30/100	HEAVY SEAMIFIED WHITE LIMESTONE ROCK DEVELOPED DIPRITE - GARNET AND SERPENTINE IN RECRYSTALLIZED WHITE LIMESTONE 15-20% SEAMIFIED DIPRITE OVER RARE SPILLS WHITE										
29.9	33.2	95	FINE GRAINED DIPRITE OVER FINELY BLENDED LOCAL AREAS LOOK SEDIMENTARY CONTACTS AT 30°										
33.2	40	30/100	SEAMIFIED LIMESTONE SIMILAR TO ABOVE LOCALLY FINE MODERATELY DEVELOPED FINE										

WHITEHORSE COPPER MINES	
PLOTTED 40' SECTIONS	INITIALS
PLOTTED 40' ASSAY PLANS	
PLOTTED 40' GEO. PLANS	
ASSAYS CHECKED	
INTXN. GRADE CHECKED	

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Hole No. 15-3 Page No. 2

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Hole No. 45-3 Page No. 3

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Hole No. NE 3

Page No. 5

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Hole No. NS-3Page No. 8[illegible]

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Hole No. NS 3 Page No. 10

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Hole No. NS 3

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Hole No. 722

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Hole No. A-1 Page No. 13

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Hole No. N.S.-3 Page No. 14[illegible]

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Hole No. NS-3

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Hole No. NU 3 Page No. 24

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Hole No N3-3 Page No 27

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
2108.5	2110.5	3	0.25/32 - 1/2" - 1/4" - 1/8" - 1/16" - 1/32" - 1/64" - 1/128" - 1/256" - 1/512" - 1/1024" - 1/2048" - 1/4096" - 1/8192" - 1/16384" - 1/32768" - 1/65536" - 1/131072" - 1/262144" - 1/524288" - 1/1048576" - 1/2097152" - 1/4194304" - 1/8388608" - 1/16777216" - 1/33554432" - 1/67108864" - 1/134217728" - 1/268435456" - 1/536870912" - 1/1073741824" - 1/2147483648" - 1/4294967296" - 1/8589934592" - 1/17179869184" - 1/34359738368" - 1/68719476736" - 1/137438953472" - 1/274877906944" - 1/549755813888" - 1/1099511627776" - 1/2199023255552" - 1/4398046511104" - 1/8796093022208" - 1/17592186044416" - 1/35184372088832" - 1/70368744177664" - 1/140737488355328" - 1/281474976710656" - 1/562949953421312" - 1/1125899906842624" - 1/2251799813685248" - 1/4503599627370496" - 1/9007199254740992" - 1/18014398509481984" - 1/36028797018963968" - 1/72057594037927936" - 1/144115188075855872" - 1/288230376151711744" - 1/576460752303423488" - 1/1152921504606846976" - 1/2305843009213693952" - 1/4611686018427387904" - 1/9223372036854775808" - 1/18446744073709551616" - 1/36893488147419103232" - 1/73786976294838206464" - 1/147573952589676412928" - 1/295147905179352825856" - 1/590295810358705651712" - 1/1180591620717411303424" - 1/2361183241434822606848" - 1/4722366482869645213696" - 1/9444732965739290427392" - 1/18889465931478580854784" - 1/37778931862957161709568" - 1/75557863725914323419136" - 1/151115727451828646838272" - 1/302231454903657293676544" - 1/604462909807314587353088" - 1/1208925819614629174706176" - 1/2417851639229258349412352" - 1/4835703278458516698824704" - 1/9671406556917033397649408" - 1/19342813113834066795298816" - 1/38685626227668133590597632" - 1/77371252455336267181195264" - 1/154742504910672534362390528" - 1/309485009821345068724781056" - 1/618970019642690137449562112" - 1/1237940039285380274899124224" - 1/2475880078570760549798248448" - 1/4951760157141521099596496896" - 1/9903520314283042199192993792" - 1/19807040628566084398385987584" - 1/39614081257132168796771975168" - 1/79228162514264337593543950336" - 1/158456325028528675187087900672" - 1/316912650057057350374175801344" - 1/633825300114114700748351602688" - 1/1267650600228229401496703205376" - 1/2535301200456458802993406410752" - 1/5070602400912917605986812821504" - 1/10141204801825835211973625643008" - 1/20282409603651670423947251286016" - 1/40564819207303340847894502572032" - 1/81129638414606681695789005144064" - 1/162259276829213363391578010288128" - 1/324518553658426726783156020576256" - 1/649037107316853453566312041152512" - 1/1298074214633706907132624082305024" - 1/2596148429267413814265248164610048" - 1/5192296858534827628530496329220096" - 1/10384593717069655257060992658440192" - 1/20769187434139310514121985316880384" - 1/41538374868278621028243970633760768" - 1/83076749736557242056487941267521536" - 1/166153499473114484112975882535043072" - 1/332306998946228968225951765070086144" - 1/664613997892457936451903530140172288" - 1/1329227995784915872903807060280344576" - 1/2658455991569831745807614120560689152" - 1/5316911983139663491615228241121378304" - 1/10633823966279326983230456482242756608" - 1/21267647932558653966460912964485513216" - 1/42535295865117307932921825928971026432" - 1/85070591730234615865843651857942052864" - 1/170141183460469231731687303715884105728" - 1/340282366920938463463374607431768211456" - 1/680564733841876926926749214863536422912" - 1/1361129467683753853853498429727072845824" - 1/2722258935367507707706996859454145691648" - 1/5444517870735015415413993718908291383296" - 1/10889035741470030830827987437816582766592" - 1/21778071482940061661655974875633165533184" - 1/43556142965880123323311949751266331066368" - 1/87112285931760246646623899502532662132736" - 1/174224571863520493293247799005065324265472" - 1/348449143727040986586495598010130648530944" - 1/696898287454081973172991196020261297061888" - 1/1393796574908163946345982392040522594123776" - 1/2787593149816327892691964784081045188247552" - 1/55751862996326557853839295681620903									
2110.5	2140.6	3c	1/2" - 1/4" - 1/8" - 1/16" - 1/32" - 1/64" - 1/128" - 1/256" - 1/512" - 1/1024" - 1/2048" - 1/4096" - 1/8192" - 1/16384" - 1/32768" - 1/65536" - 1/131072" - 1/262144" - 1/524288" - 1/1048576" - 1/2097152" - 1/4194304" - 1/8388608" - 1/16777216" - 1/33554432" - 1/67108864" - 1/134217728" - 1/268435456" - 1/536870912" - 1/1073741824" - 1/2147483648" - 1/4294967296" - 1/8589934592" - 1/17179869184" - 1/34359738368" - 1/68719476736" - 1/137438953472" - 1/274877906944" - 1/549755813888" - 1/1099511627776" - 1/2199023255552" - 1/4398046511104" - 1/8796093022208" - 1/17592186044416" - 1/35184372088832" - 1/70368744177664" - 1/140737488355328" - 1/281474976710656" - 1/562949953421312" - 1/1125899906842624" - 1/2251799813685248" - 1/4503599627370496" - 1/9007199254740992" - 1/18014398509481984" - 1/36028797018963968" - 1/72057594037927936" - 1/144115188075855872" - 1/288230376151711744" - 1/576460752303423488" - 1/1152921504606846976" - 1/2305843009213693952" - 1/4611686018427387904" - 1/9223372036854775808" - 1/18446744073709551616" - 1/36893488147419103232" - 1/73786976294838206464" - 1/147573952589676412928" - 1/295147905179352825856" - 1/590295810358705651712" - 1/1180591620717411303424" - 1/2361183241434822606848" - 1/4722366482869645213696" - 1/9444732965739290427392" - 1/18889465931478580854784" - 1/37778931862957161709568" - 1/75557863725914323419136" - 1/151115727451828646838272" - 1/302231454903657293676544" - 1/604462909807314587353088" - 1/1208925819614629174706176" - 1/2417851639229258349412352" - 1/4835703278458516698824704" - 1/9671406556917033397649408" - 1/19342813113834066795298816" - 1/38685626227668133590597632" - 1/77371252455336267181195264" - 1/154742504910672534362390528" - 1/309485009821345068724781056" - 1/618970019642690137449562112" - 1/1237940039285380274899124224" - 1/2475880078570760549798248448" - 1/4951760157141521099596496896" - 1/9903520314283042199192993792" - 1/19807040628566084398385987584" - 1/39614081257132168796771975168" - 1/79228162514264337593543950336" - 1/158456325028528675187087900672" - 1/316912650057057350374175801344" - 1/633825300114114700748351602688" - 1/1267650600228229401496703205376" - 1/2535301200456458802993406410752" - 1/5070602400912917605986812821504" - 1/10141204801825835211973625643008" - 1/20282409603651670423947251286016" - 1/40564819207303340847894502572032" - 1/81129638414606681695789005144064" - 1/162259276829213363391578010288128" - 1/324518553658426726783156020576256" - 1/649037107316853453566312041152512" - 1/1298074214633706907132624082305024" - 1/2596148429267413814265248164610048" - 1/5192296858534827628530496329220096" - 1/10384593717069655257060992658440192" - 1/20769187434139310514121985316880384" - 1/41538374868278621028243970633760768" - 1/83076749736557242056487941267521536" - 1/166153499473114484112975882535043072" - 1/332306998946228968225951765070086144" - 1/664613997892457936451903530140172288" - 1/1329227995784915872903807060280344576" - 1/2658455991569831745807614120560689152" - 1/5316911983139663491615228241121378304" - 1/10633823966279326983230456482242756608" - 1/21267647932558653966460912964485513216" - 1/42535295865117307932921825928971026432" - 1/85070591730234615865843651857942052864" - 1/170141183460469231731687303715884105728" - 1/340282366920938463463374607431768211456" - 1/680564733841876926926749214863536422912" - 1/1361129467683753853853498429727072845824" - 1/2722258935367507707706996859454145691648" - 1/5444517870735015415413993718908291383296" - 1/10889035741470030830827987437816582766592" - 1/21778071482940061661655974875633165533184" - 1/43556142965880123323311949751266331066368" - 1/87112285931760246646623899502532662132736" - 1/174224571863520493293247799005065324265472" - 1/348449143727040986586495598010130648530944" - 1/696898287454081973172991196020261297061888" - 1/1393796574908163946345982392040522594123776" - 1/2787593149816327892691964784081045188247552" - 1/55751862996326557853839295681620903									
2140.6	2150	3	5/16" - 1/8" - 1/4" - 1/2" - 1" - 2" - 4" - 8" - 16" - 32" - 64" - 128" - 256" - 512" - 1024" - 2048" - 4096" - 8192" - 16384" - 32768" - 65536" - 131072" - 262144" - 524288" - 1048576" - 2097152" - 4194304" - 8388608" - 16777216" - 33554432" - 67108864" - 134217728" - 268435456" - 536870912" - 1073741824" - 2147483648" - 4294967296" - 8589934592" - 17179869184" - 34359738368" - 68719476736" - 137438953472" - 274877906944" - 549755813888" - 1099511627776" - 2199023255552" - 4398046511104" - 8796093022208" - 17592186044416" - 35184372088832" - 70368744177664" - 140737488355328" - 281474976710656" - 562949953421312" - 1125899906842624" - 2251799813685248" - 4503599627370496" - 9007199254740992" - 18014398509481984" - 36028797018963968" - 72057594037927936" - 144115188075855872" - 288230376151711744" - 576460752303423488" - 1152921504606846976" - 2305843009213693952" - 4611686018427387904" - 9223372036854775808" - 18446744073709551616" - 36893488147419103232" - 73786976294838206464" - 147573952589676412928" - 295147905179352825856" - 590295810358705651712" - 1180591620717411303424" - 2361183241434822606848" - 4722366482869645213696" - 9444732965739290427392" - 18889465931478580854784" - 37778931862957161709568" - 75557863725914323419136" - 151115727451828646838272" - 302231454903657293676544" - 604462909807314587353088" - 1208925819614629174706176" - 2417851639229258349412352" - 4835703278458516698824704" - 9671406556917033397649408" - 19342813113834066795298816" - 38685626227668133590597632" - 77371252455336267181195264" - 154742504910672534362390528" - 309485009821345068724781056" - 618970019642690137449562112" - 1237940039285380274899124224" - 2475880078570760549798248448" - 4951760157141521099596496896" - 9903520314283042199192993792" - 19807040628566084398385987584" - 39614081257132168796771975168" - 79228162514264337593543950336" - 158456325028528675187087900672" - 316912650057057350374175801344" - 633825300114114700748351602688" - 1267650600228229401496703205376" - 2535301200456458802993406410752" - 5070602400912917605986812821504" - 10141204801825835211973625643008" - 20282409603651670423947251286016" - 40564819207303340847894502572032" - 81129638414606681695789005144064" - 162259276829213363391578010288128" - 324518553658426726783156020576256" - 649037107316853453566312041152512" - 1298074214633706907132624082305024" - 2596148429267413814265248164610048" - 5192296858534827628530496329220096" - 10384593717069655257060992658440192" - 20769187434139310514121985316880384" - 41538374868278621028243970633760768" - 83076749736557242056487941267521536" - 166153499473114484112975882535043072" - 332306998946228968225951765070086144" - 664613997892457936451903530140172288" - 1329227995784915872903807060280344576" - 2658455991569831745807614120560689152" - 5316911983139663491615228241121378304" - 10633823966279326983230456482242756608" - 21267647932558653966460912964485513216" - 42535295865117307932921825928971026432" - 85070591730234615865843651857942052864" - 170141183460469231731687303715884105728" - 340282366920938463463374607431768211456" - 680564733841876926926749214863536422912" - 1361129467683753853853498429727072845824" - 2722258935367507707706996859454145691648" - 5444517870735015415413993718908291383296" - 10889035741470030830827987437816582766592" - 21778071482940061661655974875633165533184" - 43556142965880123323311949751266331066368" - 87112285931760246646623899502532662132736" - 174224571863520493293247799005065324265472" - 348449143727040986586495598010130648530944" - 696898287454081973172991196020261297061888" - 1393796574908163946345982392040522594123776" - 2787593149816327892691964784081045188247552" - 55751862996326557853839295681620903									
2150	2153	3	1/8" - 1/4" - 1/2" - 1" - 2" - 4" - 8" - 16" - 32" - 64" - 128" - 256" - 512" - 1024" - 2048" - 4096" - 8192" - 16384" - 32768" - 65536" - 131072" - 262144" - 524288" - 1048576" - 2097152" - 4194304" - 8388608" - 16777216" - 33554432" - 67108864" - 134217728" - 268435456" - 536870912" - 1073741824" - 2147483648" - 4294967296" - 8589934592" - 17179869184" - 34359738368" - 68719476736" - 137438953472" - 274877906944" - 549755813888" - 1099511627776" - 2199023255552" - 4398046511104" - 8796093022208" - 17592186044416" - 35184372088832" - 70368744177664" - 140737488355328" - 281474976710656" - 562949953421312" - 1125899906842624" - 2251799813685248" - 4503599627370496" - 9007199254740992" - 1801439850948198									

600	-	530	1200	-	750
700	-	530	1500	-	750

600	-	530	1200	-	750
700	-	530	1500	-	750

PROPERTY <u>NORTH STAR</u>	Claim No. _____	Strike <u>GRIC EAST</u>	Lot. <u>11+50 W</u> ✓	Hole No. <u>NS 2</u>
Date <u>OCTOBER 15</u> 19 <u>75</u>	Section No. <u>28 S</u>	Dip <u>-50°</u>	Dep. <u>28+00 S</u> ✓	Total Depth <u>1569</u>
Logged By <u>Rolund E. Heid</u>	Plan No. _____	Level <u>SURFACE</u>	Elev. <u>2757.1'</u> ✓	Page No. <u>1</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>2</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dip. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>3</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>N 5 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>5</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lot. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>6</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>7</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>8</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>N3 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>9</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>N5 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By. _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>11</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>17</u>

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 2</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>17</u>

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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	Moist	Ag/Ag	Inert Zn
1330.8	1334.0	5	MASSIVE WHITE LIMESTONE.								W03		
1334.0	1336.1	96	HIGHLY ALTERED DIAPYSE DYKE SOFT. AND WEAKLY KARNATITE. CONTACTS FRAGMENTED AND "MUDDY"										
1336.1	1363.7	5	WHITE LIMESTONE LOCAL IRREGULAR SPECKLED TO NEAR SOLID GREY BANDS. FIND VERY WEAK RELIC FOSSIL TEXTURES OF OUTLINES WITHIN MORE PROMINENT GREY AREAS VERY RARE SPECIES OF PYRITE. 1358.8 - 1360. SERPENTINIZED LIMESTONE SURROUNDING OR RESINOUS GREEN SERPENTINE STRINGER AFTER 1360 THE LIMESTONE IS WEAKLY SERPENTINIZED. MORE PROMINENT AND JOINTS.										
1363.7	1365.0	395	GARNETIFEROUS SERPENTINE SKARN. 1364 - 1364.3 FRAGMENTED MUD SIAM. MEDIUM GRAINED SUBHEDRAL GARNETS IN A RESINOUS GREEN SERPENTINE GROUNDMASS.	1365-1370		5449	5.0	5.0	.91		TV	~~TV~~ .18	.05
				1371-1376		5450	5.0	4.5	.02		TV	~~TV~~ .03	.39
				1376-1381		5451	5.0	4.5	.03		TV	~~TV~~ .03	.04
				1381-1386		5452	5.0	5.0	.04		TV	~~TV~~ .02	.08
1365.0	1405.3	3986	SILICATE SKARN GARNET DIOPSIDE EPIDOTE; MEDIUM TO COARSE GRAINED CONTAINS FEW NARROW BANDS RESINOUS GREEN SERPENTINE 1365-1366 MAINLY GARNET EPIDOTE GROUNDMASS WITH 5% SUBHEDRAL FINE GARNET CRYSTALS AND 5-7% PYRITE. SOME CHALCOPIRITE TO 1392. AFTER 1392 AVERAGE 3% TO 1394	1386-1392		5453	6.0	5.5	.07		TV	~~TV~~ .03	.03
				1392-1394		5454	2	2	1.75		.005	~~TV~~ .41	.23
				1394-1397		5455	3	2.7	.02		TV	~~TV~~ .03	.03
				1398-1400		5456	2	2	.91		TV	~~TV~~ .06	.56
				1400-1405		5457	5	5	.07		TV	~~TV~~ .03	.13

P.O. BOX 4280
YUKON TERRITORY

Hole No NS-2 Page No 24 :

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Hole No. NS 2 Page No. 27

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

[illegible]

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

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	43		CASING AND OVERBURDEN										
43	362	49/80	HYBRID ZONE: CONTACT OR ASSIMILATION ZONE BETWEEN FELSOPATHIC SEDIMENTS AND DIORITE NEAR EPIDOTIZATION APPARENT THROUGHOUT. 1-5% PYRITE PERVASIVE THROUGHOUT BOTH AS FRACTURE FILLING AND DISSEMINATED. RICHER LITIC SECTIONS OCCUR IN THE FELSOPATHIC UNITS. UNITS VARY IN TEXTURE FROM BANNED OR VARVED FINE GRAINED SEDIMENTS THROUGH SALT AND PEPPER TEXTURED FINE TO MEDIUM GRAINED LEUCO-DIORITE TO MEDIUM GRAINED DIORITE. DIORITED UNITS CONTAIN 30-40% AMFIBS. OFTEN WEAKLY CHLORITIZED. FEW HAIRLINE CARBONATE FILLED FRACTURES LOCAL WEAKLY VUGGY SECTIONS SUCH AS AT 151' - 153' BANDING IN SEDIMENTS AT 40°-50° CONTACTS BETWEEN ROCK SECTIONS OF DIORITE AND SEDIMENTS ARE SOMETIMES SHARP AND AT RANDOM ANGLES.										
					No	SAMPLES		ASSAYED					

MINING DIVISION - WHITEHORSE
YUKON TERRITORY

PROPERTY _____	Claim No. _____	Strike _____	Lat. _____	Hole No. <u>NS 1</u>
Date _____ 19 _____	Section No. _____	Dip _____	Dep. _____	Total Depth _____
Logged By _____	Plan No. _____	Level _____	Elev. _____	Page No. <u>2 (of 2)</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
13	362	AS/80	LOCALLY FINE SEDIMENTARY INTRUSIONS WITHIN DIORITE.									
			LOCAL SECTIONS CONTAIN UP TO 30-40% EPIDOTITE SUCH AS AT 173' & 262'									
			181-182 & 190.5-195 SHARPER QUARTZ FRAGMENTS									
			CARBONATE FILLED FRACTURES SOMEWHAT MORE PROMINENT AFTER 200'									
			301.5-303 WHITE GRANITE									
			ROUGH AVERAGE OF 30-40% DIORITE									
			60-65% FELDSPATHIC SEDIMENTS COMPARISON CORE.									
			362 END OF HOLE.									
			DRILLED BY CARON'S DIAMOND DRILLING.									
			OCTOBER 1 THRU 5 1975									