

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]

[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 |
| | | | 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% | | | | | | | | |

[illegible]

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|----------|--------|--------------------|--|-------------------|------|------------|-------|--------|------|------|------|-------|-------|
| 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 coring. jointed | | | | | | | | | | |
| 1539.6 | 1551.0 | 5(3 ^d) | White grey pale green weakly serpentinised limestone minor siliceous layers 50-70° good coring. | | | | | | | | | | |
| | | ≈ | 1546-1551 broken core with chips Fault. - more serpentine. | | | | | | | | | | |
| 1551.0 | 1555.5 | 3 rd /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 chips - 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 coring. [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 coring 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 | | | | | |

[illegible]