# RE[illegible]ON LIMITED - DRILL CORE RECO[illegible]

| HOLE NUMBER | SD 16 | SURVEY Depth | SURVEY Bearing | SURVEY Dip | From - To | Distance D | VERTICAL D.Sin.Dip | VERTICAL R.L. | HORIZONTAL D.Cos.Dip | HORIZONTAL Prog. Total |
|---|---|---|---|---|---|---|---|---|---|---|
| PURPOSE | To test magnetite mineralization near the hanging wall quartzites between the mineralized intersections in SD 10 and SD 13. | (m) | (AMG) | | | | | | | |
| | | Collar | 180° | -57° | 0-5.4 | 5.4 | 4.5 | 2190.5 | 2.9 | 2.9 |
| | | 10.7 | 181.5° | -57° | -33.4 | 28.0 | 23.5 | 2167.0 | 15.2 | 18.1 |
| LOCATION | ST. DIZIER | 56.0 | 179° | -58.2° | -73.5 | 40.1 | 34.1 | 2132.9 | 21.1 | 39.2 |
| | | 91.0 | 179° | -59.2° | -110.9 | 37.4 | 32.1 | 2100.8 | 19.2 | 58.4 |
| COLLAR R.L. | 2195.0 | 130.7 | 182° | -59.8° | -148.7 | 37.8 | 32.7 | 2068.1 | 19.0 | 77.4 |
| | | 166.7 | 184° | -60.1° | -189.2 | 40.5 | 35.2 | 2032.9 | 20.1 | 97.5 |
| COORDINATES | 5367 720.8 N | 211.7 | 196° | -61° | -243.2 | 54.0 | 47.2 | 1985.7 | 26.2 | 123.7 |
| | 345 159.5 E | 274.7 | Assume 185.5° | -60° | -301.4 | 58.2 | 50.4 | 1935.3 | 29.1 | 152.8 |
| LENGTH | 331.7m | 328.0 | 185° | -59.5° | -331.7 | 30.3 | 26.1 | 1901.2 | 15.4 | 168.2 |
| HOLE SIZE | 0-100m HW (3-100m reamed over HQ)<br>100-331.7m HQ | | | | | | | | | |
| DATE DRILLED | 8/8/81 - 28/9/81 | | | | | | | | | |
| SIGNIFICANT CORE LOSS ZONES | 0.0-13.7m 5.2m loss<br>58.7-67.7m 3.9m loss<br>322.7-325.7m 1.4m loss | | | | | | | | | |
| ORE ZONE GROUND CONDITIONS | | | | | | | | | | |
| LOGGED BY | P. ROBERTS | | | | | | | | | |

COMMENTS

The hole intersected 90.2m of intercalated magnetite [illegible] hornfels-quartzite and carbonate between 218.6 and 308.8m. The large component of non-calcareous sediments was similar to the [illegible] intersection in SD 10 and indicated that lenses of detrital sediments are present in part of the [illegible] zone between the central mineralized zone and SD 13.

## SUMMARY - ASSAY DATA

| LODE NAME | FROM | TO | LENGTH (m) | AVERAGE WEIGHTED ASSAYS Sn. | Acid Sol. Sn. | Cu. | As. | S. | Fe | Zn. | Bi. | $WO_3$ | Ag g/t | | | | B.C.A. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 223.0 | 226.0 | 3.0 | 0.20 | 0.04 | 0.05 | <0.1 | 1.9 | 20.4 | 0.06 | 0.023 | 0.03 | | | | | |
| | 232.0 | 234.0 | 2.0 | 0.05 | 0.02 | 0.03 | <0.1 | 0.5 | 26.7 | 0.03 | 0.154 | 0.30 | | | | | |
| | 245.0 | 248.0 | 3.0 | 0.55 | 0.41 | 0.04 | <0.1 | 3.9 | 21.2 | 0.04 | 0.011 | 0.09 | | | | | |
| | 247.0 | 259.0 | 12.0 | 0.10 | 0.06 | 0.05 | <0.1 | 1.7 | 20.6 | 0.03 | 0.025 | 0.18 | | | | | |
| | 281.0 | 285.0 | 4.0 | 0.33 | 0.18 | 0.02 | <0.1 | <0.1 | 27.8 | 0.04 | 0.021 | 0.06 | | | | | |
| | 302.0 | 307.0 | 5.0 | 0.14 | 0.03 | 0.06 | <0.1 | 2.2 | 16.1 | 0.84 | 0.007 | <0.01 | | | | | |

hWPS 27344

028

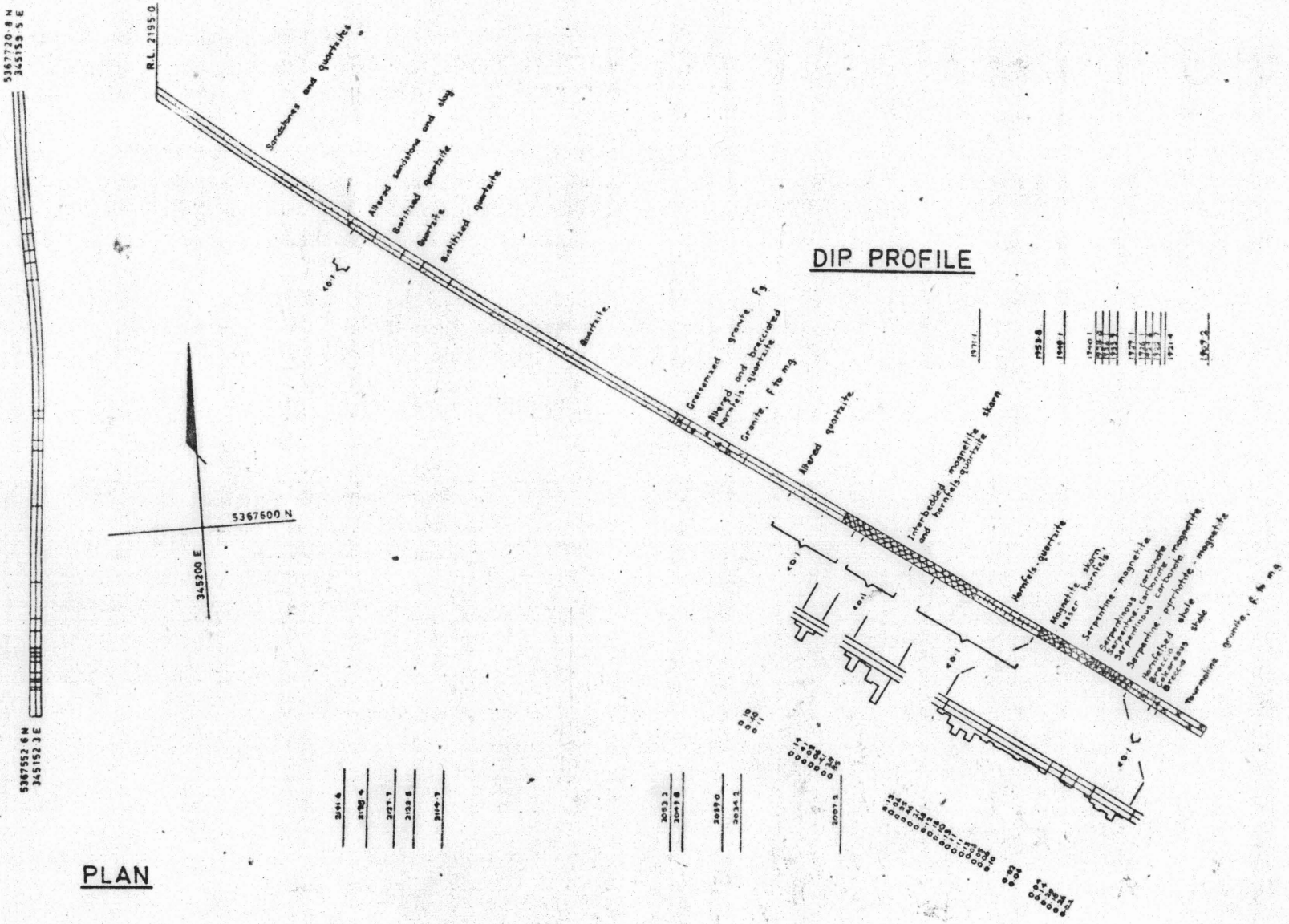
HOLE No. SD 16

SCALE: 0 20 40 metres

RENISON LIMITED

# DIAMOND DRILL HOLE PLOT

5 cm

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RENISON LIMITED



# DIAMOND DRILL RECORD

HOLE NUMBER : SO 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. | % Sn. FROM | TO | TOTAL | ACID SOL. | % Cu. | % As. | % S. | % Pb. | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 63.0 | 52.3 | 83 | SANDSTONES AND QUARTZITES<br>Pale grey and pale brown, generally very fine grained, transitional to coarse grained siltstones, bedded, quartz rich. Variably banded - in places massive, in places with beds rich in muscovite (flakes 0.5 - 2mm) or, less frequently, green-brown or brown tourmaline. Alternates between relatively hard sandstone-quartzite and, lesser, softer patches where sandstone is interbedded with puggy, cream clay or completely weathered/degraded fine grained sandstone. Few quartz veins up to 10cm thick (VCA'S not observed because core is badly broken), mostly <2mm. Very minor pyrite on joint facings, in thin veinlets and with vein quartz. B.C.A.'S vary: 0-16m, 35-40°m; 16-38m, 40-50°; 38-60m, 40°; 60-63m, 40-75°. Badly broken throughout along bedding and rough joints coated with dark brown organic material and/or MnOxides (0-40m). 10.7m core loss generally in soft, clayey zones.<br><br>Gradational transitional to: | | | | | | | | | | | | | | |
| 63.0 | 70.4 | 4.7 | 64 | ALTERED SANDSTONE AND CLAY<br>Mottled, pale green and mauve - brown. Sandstone is fine grained faintly laminated (BCA'S 50-70°), soft, includes fine grained disseminated Ti-biotite and very minor veinlet tourmaline. Clay is very soft and puggy, contains abundant (up to 30%) disseminated fine grained pyrite (grainsize ≤ 0.5mm). 2.7m core loss.<br>68.5m two thin veins of fine grained granite? VCA'S 25° and 40° (~60° between the two).<br>Gradational transition to: | | 64.6 | 66.0 | 0.02 | 0.01 | | | | | | 0.003 | 1 | <0.01 |
| | | | | | | | 67.0 | 0.01 | <0.01 | | | | | | 0.003 | 2 | <0.01 |
| | | | | | | | 68.0 | 0.01 | <0.01 | | | | | | 0.001 | 1 | <0.01 |
| | | | | | | | 69.0 | 0.02 | <0.01 | | | | | | 0.003 | <1 | <0.01 |
| 70.4 | 79.1 | 8.8 | 99 | BIOTITIZED QUARTZITE<br>Mauve and pale yellow mottled, including abundant disseminated and veinlet Ti-biotite but content decreases downwards. Yellow patches softer, silty. Banded in places-probably bedding. Veined by irregular quartz veinlets and veins, some with tourmaline, 1cm thick with VCA'S varying 35-60°. Some thin (0.5-2cm) fine to medium grained granitic (?) veins, VCA'S 30-70°, several intruded by vein quartz (at 76.5-76.7m). Trace pyrite on joint faces. BCA'S vary: 70.6m, 45°; 70.8m, 30°; 72.6-73.1m foliad 10° (at top) through 0 to 25° opposite direction (at bottom); 74.5m, 45°. Broken along bedding and some joints, some of both coated by soapy, soft serpentine(?). | | | | | | | | | | | | | | |

# DIAMOND DRILL RECORD

HOLE NUMBER : SO 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. | % Sn. FROM | TO | TOTAL | ACID SOL. | % Cu. | % As. | % S. | % Pb. | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Gradational transition to: | | | | | | | | | | | | | |
| 79.1 | 85.5 | 6.4 | 100 | QUARTZITE<br>Grey, mauve grey, flecked with grey-green and yellow. Silicified, minor patchy muscovite, minor brown tourmaline in isolated spots (1-2mm) and veins of tourmaline-quartz, notably at 84.1-84.5m where the vein is haloed by tourmalinized banded quartzite. Includes few, thin granitic veins (as above). BCA'S very 25-35°. Broken only along joints, some thinly coated with yellow clay. BCA'S 30-70°.<br>Gradational transition to: | | | | | | | | | | | | | |
| 85.5 | 94.3 | 8.8 | 100 | BIOTITIZED QUARTZITE<br>Mauve and mauve-grey, largely interbedded. Abundant Ti-biotite and disseminations, generally fine grained (flakes < 0.5mm). Minor sulphide disseminated and on joint faces - mainly pyrite, some pyrrhotite (?). Minor tourmaline in thin (<5mm) veins, some with quartz, several with a discoloured selvedge 1cm thick, possibly tourmalinized quartzite, BCA'S 35-40°. Numerous, variously oriented quartz veins. Rare small rounded blobs of quartz (<1cm diameter) with inclusions of dark grey-green mineral ± phlogopite. Broken along irregular, often slickensided joints, thinly coated with green-yellow or yellow clayey material.<br>Gradational transition to: | | | | | | | | | | | | | |
| 94.3 | 109.6 | 15.2 | 99 | QUARTZITE<br>Pale green-grey and mauve-brown; pale green-grey is banded (probably bedded), commonly micaceous (muscovite), with rare isolated spots of black tourmaline; mauve-brown is massive and possibly contains very fine Ti-biotite. Both types cross-cut by numerous, anastomosing yellow, clayey (?) veins. Some irregular quartz veins and veinlets up to 2cm thick. (several of the thicker veins may be silicified microgranite). BCA'S: 70m, 25-30°, 98.7-99.8m, 40-50°; 99.8-100.1m, 30° average: 100.1-102.9m, 35-45°<br>Broken only along joints coated with material, badly broken 97.5-98.5m.<br><br>96.5-96.9m Microgranite (?) dyke, white. Includes 15cm of quartz on upper margin. Grainsize ≤ 0.5mm. Comprises quartz, white and yellow (argillized) feldspars, ± poor muscovite. Upper contact not visible (broken core), lower contact | | | | | | | | | | | | | |

# DIAMOND DRILL RECORD

HOLE NUMBER : SD 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | INTERVAL (m) TO | RECOVERY m | RECOVERY % | DESCRIPTION | FORM. | % Sn. FROM | % Sn. TO | % Sn. TOTAL | % Sn. ACID SOL. | % Cu | % As. | % S. | % Pb. | % Zn | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | at ~30° to c.a. Very fine Ti-biotite present in quartzite near contact. | | | | | | | | | | | | | |
| | | | | 102.2-102.3m Banded quartz-black tourmaline vein. Banding at ~40° to c.a. (replaced along bedding planes?). Contacts at ~50° to c.a. | | | | | | | | | | | | | |
| 109.6 | 165.2 | 55.5 | 150 | QUARTZITE Grey; hard, partly bedded, siliceous, minor disseminated muscovite. Minor pinkish mauve patches (enriched in fine Ti-biotite?). Minor brown tourmaline mostly in bands parallel bedding. Numerous irregular veins of quartz and/or tourmaline and /or muscovite; vein thicknesses <1mm to 3cm (thicker veins are quartz-rich). Traces of pyrite throughout - disseminated and in thin veins or coating fractures. In places, the quartzite has a granular fabric, "grain-size" 1-2mm. BCA'S: 114m, 0-10°, 115m, 25°, 115.7 - 116.4m, 40-70°; 118.5-120m, 45-70°; 122.8m, 60°; 123.6-124.7m=5°; 140.9m, 25°; 141.7-142.0m, ~30° (bedding?); 147.0-147.5m; 10-35°; 150.7m, 35°; 151.5-153.6m, 5-10°; 158.0-159.0m, 20°. Broken along numerous irregular joints, rarely parallel bedding. | | | | | | | | | | | | |
| | | | | 125.7-125.8m Quartzite including numerous white laths, average size 1cm x 1mm. | | | | | | | | | | | | | |
| | | | | 127.0-127.2m As above, but fewer laths. | | | | | | | | | | | | | |
| | | | | 127.2-130.7 Intensely silicified quartzite (?). Includes patches of white quartz, several veins of microgranite (?) 1cm thick (VCA'S ~45°), patches of quartz-tourmaline muscovite greisen and muscovite-enriched patches. Possibly affected by proximity to granite near hole but not intersected. | | | | | | | | | | | | | |
| | | | | 132.3-132.4m Vein of fine grained quartz-brown tourmaline rock. Equigranular, average grainsize 1mm. VCA 35° | | | | | | | | | | | | | |
| | | | | 139.4m Greisenized, fine grained granite (?) in 1cm vein. Grainsize 0.5 - 2mm. Quartz-muscovite - tourmaline rock. VCA 55°. | | | | | | | | | | | | | |
| | | | | 160.1-160.2m Quartzite including lath-like tourmaline, average | | | | | | | | | | | | | |

# DIAMOND DRILL RECORD

HOLE NUMBER : SD 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. | % Sn FROM | TO | TOTAL | ACID SOL. | % Cu | % As. | % S. | % Pb. | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | dimensions 8cm x 1.5cm. | | | | | | | | | | | | | |
| | | | | Quartzite is pale brown, yellow stained (bleached?) near contact, which lies at 25° to c.a. | | | | | | | | | | | | | |
| 165.2 | 169.5 | 4.3 | 100 | GREISENIZED GRANITE<br>Paly yellow, pale grey (grainsize averages 1mm). Comprises quartz, muscovite and pale yellow, argillized feldspar. Includes "veins" of fine greisen (10-20 % of total) 5-30cm thick some with central thin (1-3mm) veins of sulfides - pyrite, chalcopyrite and arsenopyrite and/or rare, thicker (1-3cm) veins of tourmaline - quartz; VCA'S 70-80°, less frequently 10-20°. Broken along thin sulfide veins and irregular, clayey fractures.<br>Flat contact at 75° to c.a. | | | | | | | | | | | | | |
| 169.5 | 181.8 | 11.4 | 93 | ALTERED AND BRECCIATED HORNFELS-QUARTZITE<br>Mauve, green-grey. Fragments and patches of hornfelsed siltstone and quartzite. Both fragments and matrix contain disseminated Ti-biotite, particularly within 2cm of top contact. Bedding apparent in places but BCA'S probably meaningless (in larger fragments). Breccia textures less apparent lower 4m but probably brecciated throughout. Minor sulfides, as thin veins/veinlets, ≤ 3mm thick, and disseminated; mainly pyrite, very minor pyrrhotite. Very minor white and pale yellow tremolite (?) in small patches. Broken along irregular, clayey or green and serpentinous joints; badly broken 178.8-179.5m. 0.8m core loss 170.2-172.5m.<br>169.6 - 169.7m Includes several elliptical patches of tremolite, with moderately magnetic grey mineral (partly magnetite?), dimensions average 1x2 $cm^2$.<br>Slightly irregular contact at ~40° to c.a. | | | | | | | | | | | | | |
| 181.8 | 187.3 | 5.5 | 100 | GRANITE<br>Pale yellow-white, fine to medium grained, including patches of micropegmatite. Comprises quartz, weakly argillized feldspar, minor brown-black biotite. Very minor black tourmaline in coarse crystals in micropegmatitic patches, associated with pyrite in vugs. Minor greisen "veins" 5-3 cm thick, crossing core at ~70° and ~30° to c.a. - grey, fine grained, comprising quartz, muscovite, some with central thin (≤4mm) veins of sulfide ± tourmaline: sulfide mainly pyrite , one sphalerite vein at 186.2m. | | | | | | | | | | | | | |
| 187.3 | 218.6 | 30.5 | 97 | ALTERED QUARTZITE | | | | | | | | | | | | | |

# DIAMOND DRILL RECORD

HOLE NUMBER : RD 16

LOGGED BY : P. ROBERTS

NWPS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM | % Sn. FROM | TO | TOTAL | ACID SOL. | % Cu. | % As. | % S. | % Fe | % Zn | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Pale grey, grey-brown with yellow patches, hard, partly bedded. | | | | | | | | | %Fe | | | | |
| | | | | Includes numerous, variously oriented veinlets of pyrite, and veins or patches of yellow and yellow-green calc-silicates (?), including pale yellow tremolite and brown tourmaline ± quartz in places. From 192.6m contains patchy, disseminated Ti-biotite, particularly 207.8-212.4m which is both biotite-and sulfide-rich (pyrite and pyrrhotite). | | | | | | | | | | | | |
| | | | | BCA's: 188.5m, 55°; 190.7-191.0m, 45° 194.5-194.7m, 45°; 196.0-196.4m, 30-35°; 201.7-201.8m, 0-40° (folded); 202.8-202.9±, 0°; 206.7-207.4m, 35°; 208.9-209.7m, 45-70°; 213.3-218.6m, 15-45° (av. 35°). | | | | | | | | | | | | |
| | | | | Broken along irregular fractures, some thinly coated with yellow clay, and, towards bottom, green-black serpentine. | | 203.0 | 204.0 | 0.02 | <0.01 | 0.01 | <0.1 | 1.0 | 5.6 | 0.02 | 0.009 | | <0.01 |
| | | | | | | | 205.0 | 0.01 | <0.01 | 0.01 | <0.1 | 2.5 | 7.0 | 0.01 | 0.003 | | <0.01 |
| | | | | | | | 206.0 | 0.01 | <0.01 | 0.02 | <0.1 | 1.6 | 8.2 | 0.01 | 0.003 | | <0.01 |
| | | | | 192.6-193.8m Brecciated (?). Rounded "fragments" in a biotite-rich matrix. Includes ore vein of quartz-tourmaline-pyrite, broken, at 193.2-193.4m; VCA 45°. | | | 207.0 | 0.01 | <0.01 | 0.03 | <0.1 | 3.4 | 9.2 | 0.01 | 0.006 | | 0.01 |
| | | | | | | | 208.0 | 0.03 | <0.01 | 0.04 | <0.1 | 7.5 | 12.8 | 0.01 | 0.004 | | <0.01 |
| | | | | | | | 209.0 | 0.03 | <0.01 | 0.04 | <0.1 | 9.1 | 14.6 | 0.01 | 0.004 | | <0.01 |
| | | | | | | | 210.0 | 0.03 | <0.01 | 0.05 | <0.1 | 10.3 | 17.1 | 0.01 | 0.005 | | <0.01 |
| | | | | 196.0-193.1m Quartz-black tourmaline vein. Coarse grained, silicified. Muscovite-bearing selvedge 5cm thick on lower side. VCA 45-50°. | | | 211.0 | 0.03 | <0.01 | 0.07 | <0.1 | 11.6 | 17.9 | 0.02 | 0.004 | | 0.01 |
| | | | | | | | 212.0 | 0.02 | <0.01 | 0.04 | <0.1 | 4.9 | 10.9 | 0.01 | 0.006 | | <0.01 |
| | | | | | | | 213.0 | 0.01 | <0.01 | 0.04 | <0.1 | 3.6 | 12.0 | 0.01 | 0.003 | | <0.01 |
| | | | | | | | 214.0 | 0.01 | <0.01 | 0.01 | <0.1 | 1.5 | 4.7 | 0.01 | 0.002 | | <0.01 |
| | | | | 198.0-199.3m Badly broken zone, including soft pale yellow silty rock (altered siltstone?) at 198.7-198.9±. | | | 215.0 | 0.01 | 0.01 | 0.02 | <0.1 | 1.5 | 3.5 | 0.01 | 0.002 | | <0.01 |
| | | | | | | | 216.0 | 0.02 | <0.01 | 0.02 | <0.1 | 1.9 | 5.9 | 0.01 | <0.001 | | 0.01 |
| | | | | | | | 217.0 | 0.02 | 0.02 | 0.02 | <0.1 | 1.7 | 6.6 | 0.02 | 0.001 | | <0.01 |
| | | | | 205.0-206.7m Very badly broken zone, including 0.7m core loss. | | | 218.0 | 0.02 | <0.01 | 0.04 | <0.1 | 2.3 | 7.1 | 0.01 | <0.001 | | <0.01 |
| | | | | 212.6-213.3m Badly broken zone. | | | | | | | | | | | | | |
| | | | | 215.3-215.4m Quartz vein near parallel to bedding (VCA 40°), possibly silicified aplite. | | | | | | | | | | | | | |
| | 218.6 | 259.7 | 41.1 | 100 | INTERBEDDED MAGNETITE SKARN AND HORNFELS-QUARTZITE | | 218.0 | 219.0 | 0.02 | <0.01 | 0.03 | <0.1 | 0.4 | 5.0 | 0.02 | 0.001 | | <0.01 |
| | | | | | Banded green-black and grey; predominantly green-black, comprising magnetite, pyrrhotite and pale green mica (phlogopite) with minor green-black serpentine, lesser pale grey and greenish white hornfels quartzite. Non-calcareous, but includes rare thin calcite veins. Minor pyrrhotite and (lesser) pyrite in thin veins. Very minor disseminated scheelite(?) - blue fluorescent under short wave UV, generally in spots< 1mm. Occasionally in large patches (eg. 229.3m, several cm across), apparently interstitial to sulfides and other skarn materials. | | | 220.0 | 0.03 | <0.01 | 0.05 | <0.1 | 1.7 | 13.8 | 0.08 | 0.002 | | <0.01 |
| | | | | | | | 221.0 | 0.02 | <0.01 | 0.04 | <0.1 | 0.8 | 12.0 | 0.19 | 0.014 | | <0.01 |
| | | | | | | | 222.0 | 0.07 | 0.05 | 0.03 | <0.1 | 0.1 | 20.9 | 0.15 | 0.015 | | <0.01 |
| | | | | | | | 223.0 | 0.05 | 0.01 | 0.04 | <0.1 | 1.1 | 19.1 | 0.22 | 0.013 | | <0.01 |
| | | | | | | | 224.0 | 0.10 | 0.09 | 0.02 | <0.1 | <0.1 | 20.7 | 0.04 | 0.008 | | 0.04 |
| | | | | | | | 225.0 | 0.40 | 0.03 | 0.07 | <0.1 | 0.9 | 25.1 | 0.09 | 0.040 | | 0.09 |
| | | | | | | | 226.0 | 0.11 | 0.04 | 0.05 | <0.1 | 3.1 | 15.5 | 0.10 | 0.022 | | <0.01 |
| | | | | | | | 227.0 | 0.04 | 0.03 | 0.05 | <0.1 | 1.6 | 23.6 | 0.04 | 0.046 | | 0.15 |
| | | | | | | | 228.0 | 0.05 | 0.03 | 0.05 | <0.1 | 1.8 | 14.2 | 0.15 | 0.017 | | <0.01 |
| | | | | | | | 229.0 | 0.03 | 0.01 | 0.06 | <0.1 | 1.7 | 15.8 | 0.04 | 0.014 | | 0.08 |
| | | | | | | | 230.0 | 0.04 | 0.01 | 0.10 | 0.2 | 4.8 | 20.7 | 0.09 | 0.293 | | 0.10 |
| | | | | | | | 231.0 | 0.04 | 0.02 | 0.04 | <0.1 | 1.9 | 15.2 | 0.03 | 0.032 | | 0.12 |

# DIAMOND DRILL RECORD

HOLE NUMBER : SD 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. |
|---|---|---|---|---|---|
| | | | | Generally well-bedded except in intensely magnetite- mineralized | |
| | | | | patches. BCA'S: 219.6-221.5m, 15°; 221.5-224.0m, 35-45°; 225.5-226.5m, | |
| | | | | 60-75°, 227.6 - 227.9m, folded with fold axis near parallel | |
| | | | | varying from 20° to 60°; 228.6-228.8, also folded from 40° to 0° to | |
| | | | | 90°; 230.3-230.6m, 20°; 231.2-232.6m, folded 0-55° (~20° average); | |
| | | | | 235.7-259.7m 5-30° (~15° average). Broken along variously orientated | |
| | | | | serpentinous slickensided joints and smooth serpentinous bedding | |
| | | | | breaks. | |
| | | | | 224.6-225.5m Brecciated zone, a jostle breccia? - fragments do not | |
| | | | | appear to have moved much. | |
| | | | | | |
| | | | | 231.4m Includes patches of soft pinkish mineral-rhodochrosite | |
| | | | | (?). | |
| | | | | | |
| | | | | 236.3-236.6m Includes patches of soft pinkish mineral-rhodochrosite | |
| | | | | (?). | |
| | | | | | |
| | | | | 240.3-245.7m Predominantly pale grey-green, banded hornfels with | |
| | | | | only minor pyrrhotite-magnetite patches | |
| | | | | | |
| | | | | 252.7-255.2m Very badly broken along slickensided joints. | |
| | | | | | |
| | | | | PETROLOGICAL SAMPLE 236.5m | |
| | | | | | |
| | | | | Gradational increase in hornfels content towards bottom. | |
| | | | | | |
| 259.7 | 279.5 | 19.8 | 100 | HORNFELS-QUARTZITE | |
| | | | | Grey, brown-grey, finely bedded, hard. Minor bands and veins of | |
| | | | | magnetite-sulfide-phlogopite(?). In places, mauve brown, may | |
| | | | | contain very fine grained disseminated Ti-biotite. Includes numerous | |
| | | | | irregular quartz veins and serpentine veinlets, lesser pyrite and | |
| | | | | pyrrhotite veinlets. Trace disseminated scheelite (?) specks, | |
| | | | | particularly below 271m. BCA'S: 259.7-263.9m, 5° average, | |
| | | | | includes one fold at 261.0m, 263.9-276.0m, 20-30°; 276.0-279.5m, | |
| | | | | 35-40°. Broken along bedding and slickensided serpentine-coated | |
| | | | | joints. | |
| | | | | | |
| | | | | 265.4-267.4m Badly broken along slickensided, serpentinous joints. | |
| | | | | | |
| | | | | 273.7-273.9m Very soft, puggy green serpentinous clay matrix | |
| | | | | including fragments of hornfels-quartzite. | |

| FROM | TO | % Sn TOTAL | % Sn ACID SOL. | % Cu. | % As. | % S. | % Fe | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 231.0 | 232.0 | 0.03 | 0.01 | 0.06 | <0.1 | 2.1 | 13.9 | 0.02 | 0.012 | | 0.02 |
| | 233.0 | 0.06 | 0.02 | 0.02 | <0.1 | 0.1 | 27.1 | 0.02 | 0.090 | | 0.18 |
| | 234.0 | 0.03 | 0.01 | 0.02 | <0.1 | 0.5 | 26.3 | 0.03 | 0.218 | | 0.42 |
| | 235.0 | 0.05 | 0.02 | 0.02 | <0.1 | 0.1 | 28.1 | 0.03 | 0.127 | | <0.01 |
| | 236.0 | 0.05 | 0.02 | 0.03 | <0.1 | 0.8 | 30.5 | 0.02 | 0.138 | | <0.01 |
| | 237.0 | 0.05 | 0.03 | 0.02 | <0.1 | 0.2 | 29.1 | 0.04 | 0.053 | | <0.01 |
| | 238.0 | 0.04 | 0.02 | 0.02 | <0.1 | 0.4 | 26.3 | 0.03 | 0.044 | | <0.01 |
| | 239.0 | 0.03 | 0.01 | 0.04 | <0.1 | 2.1 | 17.3 | 0.02 | 0.024 | | 0.01 |
| | 240.0 | 0.05 | 0.02 | 0.04 | <0.1 | 1.1 | 24.3 | 0.03 | 0.096 | | 0.02 |
| | 241.0 | 0.07 | 0.04 | 0.09 | <0.1 | 4.0 | 14.6 | 0.02 | 0.019 | | 0.01 |
| | 242.0 | 0.14 | 0.12 | 0.05 | <0.1 | 2.6 | 10.2 | 0.06 | 0.019 | | 0.01 |
| | 243.0 | 0.41 | 0.43 | 0.04 | <0.1 | 1.7 | 16.7 | 0.04 | 0.021 | | 0.06 |
| | 244.0 | 0.03 | 0.02 | 0.08 | <0.1 | 3.7 | 11.3 | 0.07 | 0.028 | | 0.01 |
| | 245.0 | 0.06 | 0.03 | 0.07 | <0.1 | 2.4 | 12.5 | 0.04 | 0.009 | | <0.01 |
| | 246.0 | 0.41 | 0.32 | 0.07 | <0.1 | 4.0 | 15.4 | 0.06 | 0.010 | | 0.01 |
| | 247.0 | 0.38 | 0.25 | 0.07 | <0.1 | 3.5 | 20.9 | 0.03 | 0.007 | | 0.04 |
| | 248.0 | 0.35 | 0.44 | 0.05 | <0.1 | 3.7 | 27.3 | 0.03 | 0.017 | | 0.18 |
| | 249.0 | 0.03 | 0.02 | 0.03 | <0.1 | 1.1 | 19.7 | 0.02 | 0.036 | | 0.43 |
| | 250.0 | 0.03 | 0.01 | 0.04 | <0.1 | 1.3 | 19.7 | 0.03 | 0.049 | | 0.31 |
| | 251.0 | 0.04 | <0.01 | 0.05 | <0.1 | 2.1 | 20.6 | 0.04 | 0.061 | | 0.17 |
| | 252.0 | 0.03 | <0.01 | 0.04 | <0.1 | 3.9 | 14.9 | 0.02 | 0.019 | | 0.03 |
| | 253.0 | 0.02 | <0.01 | 0.05 | <0.1 | 2.9 | 16.2 | 0.04 | 0.017 | | 0.11 |
| | 254.0 | 0.02 | <0.01 | 0.07 | <0.1 | 1.8 | 14.8 | 0.02 | 0.008 | | 0.06 |
| | 255.0 | 0.03 | 0.01 | 0.05 | <0.1 | 0.9 | 18.7 | 0.03 | 0.030 | | 0.12 |
| | 256.0 | 0.03 | <0.01 | 0.05 | <0.1 | 1.2 | 32.2 | 0.04 | 0.007 | | 0.09 |
| | 257.0 | 0.03 | <0.01 | 0.02 | <0.1 | 1.0 | 31.3 | 0.03 | 0.009 | | 0.21 |
| | 258.0 | 0.02 | <0.01 | 0.04 | <0.1 | 0.5 | 17.8 | 0.02 | 0.028 | | 0.20 |
| | 259.0 | 0.03 | <0.01 | 0.03 | <0.1 | 0.8 | 24.3 | 0.03 | 0.021 | | 0.19 |
| | 260.0 | 0.03 | 0.01 | 0.05 | <0.1 | 1.2 | 15.9 | 0.02 | 0.002 | | 0.09 |
| | 261.0 | 0.02 | <0.01 | 0.05 | <0.1 | 1.0 | 12.9 | 0.02 | 0.005 | | 0.05 |
| | 262.0 | 0.01 | <0.01 | 0.05 | <0.1 | 1.2 | 19.7 | 0.03 | 0.011 | | 0.12 |
| | 263.0 | 0.02 | <0.01 | 0.06 | <0.1 | 1.4 | 6.9 | 0.02 | 0.006 | | 0.02 |
| | 264.0 | 0.03 | <0.01 | 0.05 | <0.1 | 1.5 | 7.1 | 0.02 | 0.010 | | 0.03 |
| | 265.0 | 0.02 | <0.01 | 0.06 | <0.1 | 2.1 | 12.5 | 0.02 | 0.015 | | 0.05 |
| | 266.0 | 0.02 | <0.01 | 0.05 | <0.1 | 1.9 | 7.9 | 0.01 | 0.007 | | 0.01 |
| | 267.0 | 0.02 | <0.01 | 0.05 | <0.1 | 1.3 | 7.8 | 0.04 | 0.008 | | 0.01 |
| | 268.0 | 0.02 | <0.01 | 0.04 | <0.1 | 0.9 | 6.6 | 0.02 | 0.008 | | 0.01 |
| | 269.0 | 0.01 | 0.01 | 0.04 | <0.1 | 2.1 | 10.2 | 0.04 | 0.007 | | 0.05 |
| | 270.0 | 0.02 | <0.01 | 0.06 | <0.1 | 1.4 | 3.6 | 0.02 | 0.004 | | 0.11 |
| | 271.0 | 0.01 | <0.01 | 0.04 | <0.1 | 1.3 | 6.4 | 0.01 | 0.003 | | <0.01 |
| | 272.0 | 0.09 | <0.01 | 0.08 | <0.1 | 5.0 | 12.6 | 0.02 | 0.035 | | 0.24 |
| | 273.0 | 0.01 | <0.01 | 0.03 | <0.1 | 3.1 | 9.7 | 0.01 | 0.007 | | <0.01 |
| | 274.0 | 0.01 | <0.01 | 0.04 | <0.1 | 2.3 | 7.1 | 0.02 | 0.004 | | 0.01 |

# DIAMOND DRILL RECORD

HOLE NUMBER : SD 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. | % Sn. FROM | TO | TOTAL | ACID SOL. | % Cu. | % As. | % S. | % Fe | % Zn | % Bi. | g/t Ag | % WO3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | degraded, soft vein material (?). | | 274.0 | 275.0 | 0.02 | 0.01 | 0.05 | <0.1 | 1.2 | 10.4 | 0.02 | 0.015 | | 0.03 |
| | | | | 274.4-274.7m Badly broken along slickensided, serpentinous joints. | | | 276.0 | 0.01 | <0.01 | 0.04 | <0.1 | 1.1 | 7.0 | 0.01 | 0.006 | | 0.02 |
| | | | | | | | 277.0 | 0.03 | 0.01 | 0.05 | <0.1 | 2.1 | 20.4 | 0.04 | 0.054 | | 0.01 |
| | | | | PETROLOGICAL SAMPLE 269.8m | | | 278.0 | 0.02 | 0.01 | 0.07 | <0.1 | 3.1 | 40.6 | 0.02 | 0.008 | | 0.01 |
| | | | | Gradational increase in proportionof magnetite-rich patches. | | | 279.0 | 0.02 | 0.13 | 0.05 | <0.1 | 1.1 | 10.7 | 0.02 | 0.012 | | 0.01 |
| | | | | | | | 280.0 | 0.13 | 0.13 | 0.05 | <0.1 | 1.2 | 17.1 | 0.02 | 0.016 | | 0.01 |
| | 279.5 | 286.3 | 6.8 | 100 | MAGNETITE SKARN, LESSER HORNFELS | | 281.0 | 0.06 | 0.04 | 0.02 | <0.1 | 0.7 | 15.2 | 0.02 | 0.042 | | 0.06 |
| | | | | | Dark and pale grey, banded, hard. Proportionof hornfels decreased | | 282.0 | 0.25 | 0.24 | 0.02 | <0.1 | 0.1 | 25.5 | 0.02 | 0.032 | | 0.20 |
| | | | | | progressively downwards. Magatite-rich bands comprise magnetite | | 283.0 | 0.46 | 0.36 | 0.02 | <0.1 | 0.1 | 34.5 | 0.04 | 0.012 | | 0.02 |
| | | | | | serpentine, minor green phlogopite (?). Hornfels is hard, white, | | 284.0 | 0.21 | 0.06 | 0.02 | <0.1 | <0.1 | 21.9 | 0.04 | 0.007 | | 0.01 |
| | | | | | micaceous (muscovite). Very little visible sulfide. Scheelite (?) | | 285.0 | 0.35 | 0.06 | 0.02 | <0.1 | <0.1 | 24.6 | 0.04 | 0.032 | | 0.01 |
| | | | | | in rare specks, abundant, disseminted at 281.7-281.8m. BCA'S average | | 286.0 | 0.12 | 0.05 | 0.02 | <0.1 | <0.1 | 17.1 | 0.03 | 0.009 | | 0.01 |
| | | | | | 30°. Broken on rough joints and rarely parallel bedding. | | | | | | | | | | | | | |
| | 286.3 | 295.8 | 9.5 | 100 | SERPENTINE-MAGNETITE | | 286.0 | 287.0 | 0.18 | 0.08 | 0.02 | <0.1 | <0.1 | 22.5 | 0.04 | 0.009 | | <0.01 |
| | | | | | Grey and green-black, mostly unbanded. Comprises green-black to apple | | | 288.0 | 0.10 | 0.06 | 0.02 | <0.1 | <0.1 | 15.9 | 0.05 | 0.007 | | <0.01 |
| | | | | | green serpentine interspersed with dark grey magnetite, cut by numerous | | | 289.0 | 0.13 | 0.06 | 0.06 | <0.1 | <0.1 | 19.1 | 0.05 | 0.008 | | 0.01 |
| | | | | | carbonate veinlets (mostly calcite). Apart from the latter, non- | | | 290.0 | 0.11 | 0.06 | 0.03 | <0.1 | 0.5 | 13.9 | 0.02 | 0.005 | | <0.01 |
| | | | | | calcareous at top but becoming calcareous towards bottom. Negligible | | | 291.0 | 0.11 | 0.05 | 0.02 | <0.1 | <0.1 | 13.4 | 0.02 | 0.003 | | <0.01 |
| | | | | | visible sulfides or scheelite. BCA'S (bedding?): 290.8-291.5m, | | | 292.0 | 0.13 | 0.08 | 0.02 | <0.1 | <0.1 | 15.4 | 0.02 | 0.006 | | 0.01 |
| | | | | | 20-45 ; 292.3-293.0m, 20-60°; Broken along irregular, carbonate- | | | 293.0 | 0.08 | 0.05 | 0.04 | <0.1 | 0.1 | 15.2 | 0.29 | 0.003 | | <0.01 |
| | | | | | coated joints, some slickensided. | | | 294.0 | 0.05 | 0.04 | 0.02 | <0.1 | <0.1 | 14.2 | 0.16 | 0.003 | | <0.01 |
| | | | | | | | | 295.0 | 0.06 | 0.05 | 0.03 | <0.1 | <0.1 | 14.7 | 0.11 | 0.002 | | 0.01 |
| | 295.8 | 298.0 | 2.2 | 100 | SERPENTINOUS CARBOANTE | | | 296.0 | 0.10 | 0.06 | 0.03 | <0.1 | 0.2 | 15.2 | 0.45 | 0.004 | | 0.02 |
| | | | | | Pale grey, green and black, comprising a chaotic mixture of pale | | | | | | | | | | | | | |
| | | | | | grey (earlier?) carbonate (calcite-dolomite) and pale green, black | | | | | | | | | | | | | |
| | | | | | (later?) serpentinous carbonate. No visible scheelite. Intersected | | | | | | | | | | | | | |
| | | | | | by later(?) calcite veins. Banded in places, possibly not bedding, | | | | | | | | | | | | | |
| | | | | | at 10-35° to c.a. Few irregular breaks. Gradational transition to: | | | | | | | | | | | | | |
| | 298.0 | 300.0 | 2.0 | 100 | SERPENTINE-CARBONATE-MAGNETITE | | 298.0 | 299.0 | 0.02 | 0.02 | 0.09 | <0.1 | 0.2 | 5.2 | 0.35 | 0.003 | | <0.01 |
| | | | | | Dark grey-green;serpentine, carbonate (calcite-dolomite) interspersed | | | 300.0 | 0.04 | 0.03 | 0.06 | <0.1 | 0.1 | 8.2 | 1.03 | 0.006 | | <0.01 |
| | | | | | with black magnetite and lesser dark red-brown sphalerite. Latter | | | | | | | | | | | | | |
| | | | | | is disseminated in lots up to 1cm across. Trace pyrite - one clot | | | | | | | | | | | | | |
| | | | | | seen 1.5 x 0.4cm. No visible scheelite. Unbedded. Broken along | | | | | | | | | | | | | |
| | | | | | few carbonate-coated joints. | | | | | | | | | | | | | |
| | 300.0 | 302.6 | 2.6 | 100 | SERPENTINOUS CARBONATE | | | | | | | | | | | | | |
| | | | | | Pale green and grey; grey carbonate mostly calcite, early formed(?) | | | | | | | | | | | | | |
| | | | | | partly replaced by serpentinous green carbonate. Grey carbonate | | | | | | | | | | | | | |

# DIAMOND DRILL RECORD

HOLE NUMBER : SD 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. | % Sn FROM | TO | TOTAL | ACID SOL | % Cu | % As | % S | % Fe | % Zn | % Bi | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | is partly banded, possibly parallel bedding at 10° to c.a. | | | | | | | | | | | | | |
| | | | | Includes several dark grey stylolites oriented near parallel to | | | | | | | | | | | | | |
| | | | | banding. Few irregular breaks. | | 302.0 | 303.0 | 0.04 | 0.01 | 0.04 | <0.1 | 0.2 | 6.5 | 1.26 | 0.004 | | <0.01 |
| 302.6 | 308.8 | 6.1 | 98 | SERPENTINE-PYRRHOTITE-MAGNETITE | | 303.0 | 304.0 | 0.19 | 0.02 | 0.02 | <0.1 | 0.1 | 19.0 | 0.19 | 0.006 | | <0.01 |
| | | | | Green-black, unbanded. Comprises green-black serpentine, disseminated | | | 305.0 | 0.20 | 0.02 | 0.02 | <0.1 | 0.5 | 19.1 | 0.25 | 0.007 | | <0.01 |
| | | | | pyrrhotite and magnetite with lesser pyrite. Intersected by numerous | | | 306.0 | 0.18 | 0.03 | 0.02 | <0.1 | 1.6 | 16.2 | 1.64 | 0.006 | | <0.01 |
| | | | | calcareous veinlets. Minor red-brown sphalerite 302.6-303.6m. No | | | 307.0 | 0.24 | 0.03 | 0.18 | <0.1 | 2.0 | 19.5 | 0.46 | 0.014 | | <0.01 |
| | | | | visible scheelite. Core competent down to 307.7m, broken on slickensided | | | 308.0 | 0.02 | <0.01 | 0.09 | <0.1 | 2.9 | 2.4 | 0.05 | 0.005 | | <0.01 |
| | | | | serpentinous joints below that point. | | | | | | | | | | | | | |
| 308.8 | 312.0 | 2.6 | | HORNFELSED SHALE | | | | | | | | | | | | | |
| | | | | Dark grey, unbedded; minor blebs and veins of pyrite, up to 0.5cm | | | | | | | | | | | | | |
| | | | | thick. Few calcareous veinlets, variously oriented. Badly broken | | | | | | | | | | | | | |
| | | | | on slickensided joints. 0.6m core loss. | | | | | | | | | | | | | |
| 312.0 | 313.5 | 1.5 | 100 | BRECCIA | | | | | | | | | | | | | |
| | | | | Comprises fragments of pale grey quartzite and dark grey hornfelsed | | | | | | | | | | | | | |
| | | | | shale. Intersected by variously oriented calcite and lesser pyrite | | | | | | | | | | | | | |
| | | | | veinlets. Minor, fine grained pyrite also patchily disseminated | | | | | | | | | | | | | |
| | | | | in the matrix. Broken along few, irregular fractures | | | | | | | | | | | | | |
| 313.5 | 316.1 | 2.6 | 100 | CALCAREOUS SHALE | | | | | | | | | | | | | |
| | | | | Grey, unbedded. Effervesces very strongly under acid. Appears | | | | | | | | | | | | | |
| | | | | contorted (despite lack of bedding) - may be brecciated also. | | | | | | | | | | | | | |
| | | | | Includes numerous calcite veinlets, and lesser pyrite in veins up | | | | | | | | | | | | | |
| | | | | to 0.5cm thick. Partly competent, partly broken on slickensided | | | | | | | | | | | | | |
| | | | | graphitic joints. | | | | | | | | | | | | | |
| 316.1 | 317.5 | 1.4 | 100 | BRECCIA | | 316.0 | 317.0 | 0.01 | 0.01 | 0.02 | <0.1 | 1.0 | 3.9 | 0.03 | 0.005 | | <0.01 |
| | | | | Consists of fragments of strongly calcareous shale and minor | | | 318.0 | 0.01 | <0.01 | 0.02 | <0.1 | 0.2 | 2.2 | 0.01 | 0.003 | | <0.01 |
| | | | | quartzite set in a calcareous and/or pyritic and clayey matrix. | | | | | | | | | | | | | |
| | | | | Cut by calcite veinlets. Very soft and incompetent lower 30cm. | | | | | | | | | | | | | |
| 317.5 | 331.7 | 12.8 | | TOURMALINE GRANITE | | | | | | | | | | | | | |
| | | | | White to pale grey, fine to medium grained, sub-porphyritic with feldspar | | | | | | | | | | | | | |
| | | | | phenocrysts averaging 0.5mm across; grainsize increases with depth; | | | | | | | | | | | | | |
| | | | | comprises approximately equal proportions of quartz and feldspar | | | | | | | | | | | | | |
| | | | | with 5-10% disseminated black tourmaline. Trace muscovite. | | | | | | | | | | | | | |
| | | | | Atypical appearance compared to other granite intersections-looks | | | | | | | | | | | | | |

RENISON LIMITED



# DIAMOND DRILL RECORD

HOLE NUMBER : ED 16

LOGGED BY : P. ROBERTS

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM |
|---|---|---|---|---|---|
| | | | | altered - possibly silicified. Broken along numerous rough joints. | |
| | | | | 1.4 m core loss at 324.0-325.4m | |
| | | | | 317.5-319.7m Veined by green chloritic (?) veinlets. Badly broken in places on soft clayey fractures. Includes hornfelsed, partly brecciated sedimentary fragments at 318.3 - 318m - xenolithic material(?). | |
| | | | | END OF HOLE 331.7m | |

| % Sn. FROM | TO | TOTAL | ACID SOL | % Cu. | % As. | % S. | % Pb. | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |