# RENISON LIMITED - DRILL CORE RECORD

011

| | |
|---|---|
| HOLE NUMBER | FED 21 |
| PURPOSE | To test Eastern end of geophysical/ geochemical anomaly at intermediate depth. |
| LOCATION | Agnew Grid, Anomaly #1 |
| COLLAR R.L. | 286.6 |
| CO-ORDINATES | 5358711.9 N, 351805.5 E |
| LENGTH | 117.0m |
| HOLE SIZE | HQ 0-3 m<br>NQ 3-34.7m<br>BQ 34.7-117.0m |
| DATE DRILLED | 28/1/82 - 2/2/82 |
| SIGNIFICANT CORE LOSS ZONES | |
| ORE ZONE GROUND CONDITIONS | Excellent |
| LOGGED BY | D. Kilpatrick |
| COMMENTS | |

| SURVEY | | | From - To | Distance D | VERTICAL | | HORIZONTAL | |
|---|---|---|---|---|---|---|---|---|
| Depth (m) | Bearing AMG | Dip ° | | | D.Sin.Dip | R.L. | D.Cos.Dip | Prog. Total |
| 0 | 317 | 53.7 | | | | | | |
| 48 | 317 | 53.7 | | | | | | |
| 66 | 319 | 53 | | | | | | |
| 90 | 319 | 53 | | | | | | |
| 117 | 319 | 53 | | | | | | |

## SUMMARY - ASSAY DATA

| LODE NAME | FROM | TO | LENGTH (m) | AVERAGE WEIGHTED ASSAYS | | | | | | | | | | | | B.C.A. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sn. | Acid Sol. Sn. | Cu. | As. | S. | Pb. | Zn. | Bi. | $WO_3$ | Ag g/t | Fe | | |
| | 34 | 50 | 16 | 0.54 | 0.01 | 0.01 | 0.1 | 5.7 | 0.01 | 0.02 | .006 | 0.01 | 1 | 16.1 | | |
| | 62 | 65 | 3 | 0.33 | 0.01 | 0.01 | 0.1 | 10.9 | 0.01 | 0.01 | .004 | 0.01 | 1 | 14.1 | | |

RENPS.27344

714073

012

# DIAMOND DRILL RECORD

HOLE NUMBER : FED 21

LOGGED BY : D. Kilpatrick

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. |
|---|---|---|---|---|---|
| 0 | 6.0 | 0 | 0 | No recovery, Sand, tree roots, and scree from site preparation. | |
| 6.0 | 31.4 | 24.0 | 71% | Medium/Coarse Red Granite | |
| | | | | Slightly altered granite of pink K-feldspar (up to 15mm, av. 7mm) | |
| | | | | and yellow plagioclase (av. 5-7mm) with quartz (5-7mm) and | |
| | | | | abundant fine disseminated biotite (av. 2-3mm) sometimes greenish, | |
| | | | | and rare tourmaline grains up to 8mm. Rare aplitic nodules (8cm). | |
| | | | | 12.6 - 14.0m; (50% recovery) Aplite; fine grained sugary, creamy | |
| | | | | coloured aplite with quartz and feldspar and secondary chlorite. | |
| | | | | Very broken (RQD=0%). Jointing is irregular 25°-50° (to core axis). | |
| | | | | Weak halo of argillisation around aplite. | |
| | | | | 19.3 - 19.4m; Aplite horizon 70° to core axis. | |
| | | | | Jointing between 10m-20m averages 40°-45° to the core axis. Core | |
| | | | | remains fairly fresh with biotite present. Occasional more altered | |
| | | | | argillic or chloritised horizons. These tend to be more broken | |
| | | | | e.g. 20.4m-21.3m, 22.1m-22.8m, These have clay minerals and minor | |
| | | | | chlorite after biotite and rare tourmaline (RQD=0%). | |
| | | | | 28m - 31.4m; Very broken (RQD=20%) very altered argillised | |
| | | | | granite some biotite still present. Feldspars very yellowed or gone | |
| | | | | to clay. Last 0.3m is completely broken. | |
| 31.4 | 70.3 | 38.9 | 100% | Mineralised Altered Granite | |
| | | | | Fine to medium grained greenish grey and yellowish green, very | |
| | | | | altered granite. Relic texture is almost obscured toward the base of | |
| | | | | the ore zone. Core consists of leached mothesten quartz, large | |
| | | | | serpentine and chlorite grains (?)after feldspar and clays often in | |
| | | | | joint planes, sometimes graphically intergrown with chlorite (33.1m). | |
| | | | | Alteration intensifies to produce flesh-coloured siderite and green | |
| | | | | soapy talc/serpentine and chlorite with coarse sulphides at the base. | |
| | | | | 31.4 - 33.4m; Altered granite with pyrite, minor fine grained | |
| | | | | disseminated and occasionally fine veinlets. | |
| | | | | 33.4 - 35.5m; More altered possibly originally fine-grained granite | |
| | | | | less quartz, occasional to common very fine grained disseminated | |
| | | | | pyrite - seemingly concentrated on grain boundaries. | |
| | | | | 35.5 - 36.8m; Fresh material. Very altered chlorite - biotite and | |
| | | | | yellow feldspar with less altered quartz. Barren of sulphides. | |

| FROM | TO | % Sn. TOTAL | % Sn. ACID SOL. | % Cu. | % As. | % S. | % Pb. | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 31 | 0.01 | 0.01 | 0.01 | <0.1 | 0.1 | 0.01 | 0.02 | 0.004 | 1 | 0.01 |
| 31 | 32 | 0.01 | 0.01 | 0.01 | " | 0.1 | 0.01 | 0.08 | .005 | 1 | 0.01 |
| 32 | 33 | 0.01 | 0.01 | 0.01 | " | 0.2 | 0.01 | 0.11 | .004 | 1 | 0.01 |
| 33 | 34 | 0.07 | 0.01 | 0.01 | " | 1.3 | 0.01 | 0.06 | .009 | 4 | 0.01 |
| 34 | 35 | 0.34 | 0.01 | 0.01 | " | 1.3 | 0.01 | 0.07 | .003 | 1 | 0.02 |
| 35 | 36 | 0.29 | 0.01 | 0.01 | " | 0.9 | 0.01 | 0.04 | .006 | 1 | 0.01 |
| 36 | 37 | 0.11 | 0.01 | 0.01 | " | 0.5 | 0.01 | 0.01 | .005 | 1 | 0.01 |
| 37 | 38 | 0.26 | 0.01 | 0.01 | " | 6.8 | 0.01 | 0.04 | .006 | 2 | 0.01 |
| 38 | 39 | 0.28 | 0.01 | 0.01 | " | 6.0 | 0.01 | 0.02 | .008 | 2 | 0.01 |
| 39 | 40 | 0.20 | 0.01 | 0.02 | " | 5.5 | 0.01 | 0.02 | .007 | 3 | 0.01 |
| 40 | 41 | 0.37 | 0.01 | 0.01 | " | 6.6 | 0.01 | 0.01 | .005 | 3 | 0.01 |
| 41 | 42 | 2.06 | 0.01 | 0.01 | " | 3.7 | 0.01 | 0.01 | .004 | 2 | 0.02 |
| 42 | 43 | 0.65 | 0.01 | 0.01 | " | 5.2 | 0.01 | 0.01 | .005 | 2 | 0.01 |
| 43 | 44 | 0.98 | 0.01 | 0.01 | " | 4.8 | 0.01 | 0.01 | .009 | 2 | 0.01 |
| 44 | 45 | 0.31 | 0.01 | 0.02 | " | 7.3 | 0.01 | 0.01 | .006 | 2 | 0.01 |
| 45 | 46 | 0.34 | 0.01 | 0.01 | " | 11.1 | " | " | .008 | 2 | 0.01 |
| 46 | 47 | 0.87 | 0.01 | 0.01 | " | 7.9 | " | " | .006 | 1 | 0.01 |
| 47 | 48 | 0.52 | 0.01 | 0.01 | " | 9.7 | " | " | .009 | 1 | 0.01 |
| 48 | 49 | 0.83 | 0.01 | 0.01 | " | 6.6 | " | " | .001 | 2 | 0.01 |
| 49 | 50 | 0.26 | 0.01 | 0.01 | " | 6.9 | " | " | .007 | 1 | 0.01 |
| 50 | 51 | 0.08 | 0.01 | 0.01 | " | 5.0 | " | " | .005 | 1 | " |
| 51 | 52 | 0.01 | 0.02 | 0.01 | " | 1.7 | " | " | .006 | 1 | " |
| 52 | 53 | 0.01 | 0.01 | 0.01 | " | 2.4 | " | " | .008 | 1 | " |
| 53 | 54 | 0.01 | 0.01 | 0.01 | " | 2.4 | " | " | 0.001 | 1 | " |
| 54 | 55 | 0.01 | 0.01 | 0.01 | " | 1.5 | " | " | .001 | 1 | " |
| 55 | 56 | 0.01 | 0.02 | 0.02 | " | 1.7 | " | " | .004 | 1 | " |
| 56 | 57 | 0.01 | 0.01 | 0.01 | " | 2.3 | " | " | .003 | 1 | " |
| 57 | 58 | 0.01 | 0.01 | 0.01 | " | 2.2 | " | " | .006 | 1 | " |
| 58 | 59 | 0.01 | 0.02 | 0.01 | " | 6.0 | " | " | .006 | 1 | " |
| 59 | 60 | 0.01 | 0.02 | 0.01 | " | 17.8 | " | " | .005 | 1 | " |
| 60 | 61 | 0.01 | 0.01 | 0.01 | " | 5.8 | " | " | .005 | 1 | " |
| 61 | 62 | 0.01 | 0.01 | 0.01 | " | 7.4 | " | " | .005 | 1 | " |
| 62 | 63 | 0.47 | 0.01 | 0.01 | " | 11.8 | " | " | .004 | 2 | 0.01 |
| 63 | 64 | 0.32 | 0.01 | 0.01 | " | 10.6 | " | " | .003 | 1 | 0.01 |
| 64 | 65 | 0.19 | 0.01 | 0.02 | " | 10.4 | " | " | .004 | 1 | 0.01 |
| 65 | 66 | 0.01 | 0.01 | 0.01 | " | 4.6 | " | 0.01 | .004 | 1 | 0.01 |

71074

# DIAMOND DRILL RECORD

HOLE NUMBER : FED 21

LOGGED BY : D. Kilpatrick

| 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 | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 36.8 - 38.4m; Speckled mineralised zone possibly originally a fine grained | | 66 | 67 | 0.01 | 0.02 | 0.01 | 0.1 | 2.8 | 0.01 | 0.01 | .008 | 2 | 0.01 |
| | | | | porphyritic granite; relic phenocrysts and fine grained quartz can be | | 67 | 68 | 0.01 | 0.01 | 0.01 | 0.1 | 5.0 | " | " | .004 | 1 | 0.01 |
| | | | | seen, now replaced by serpentine. Abundent medium grained pyrite | | 68 | 69 | 0.17 | 0.01 | 0.01 | " | 7.1 | " | " | .005 | 1 | 0.01 |
| | | | | (10%-20%) grainsize 1-2mm. Grades into ..... | | 69 | 70 | 0.05 | 0.01 | 0.01 | " | 3.1 | " | " | .004 | 1 | 0.01 |
| | | | | 38.4 - 44.4m; Medium grained mineralisation, quartz yellow-brown, | | 70 | 71 | 0.01 | 0.01 | 0.01 | " | 0.1 | " | " | .005 | 1 | 0.01 |
| | | | | soft serpentine and green chlorite and minor siderite, tourmaline | | 71 | 72 | 0.01 | 0.01 | 0.01 | " | 0.1 | " | " | .002 | 1 | 0.01 |
| | | | | and rare fluorite. | | | | | | | | | | | | | |
| | | | | (39.4 - 30.5m) and medium to coarse pyrite up to 10%. Grades to... | | | | | | | | | | | | | |
| | | | | 44.4 - 50.6m; Fine to medium grained sulphide rich yellow green | | | | | | | | | | | | | |
| | | | | talc-serpentine and siderite bearing rock with abundant pyrite up to | | | | | | | | | | | | | |
| | | | | 20% and concentrated on grain boundaries (av. 2-3m diameter). | | | | | | | | | | | | | |
| | | | | Rare jointing sometimes with chlorite-clay filling at 40° to core | | | | | | | | | | | | | |
| | | | | axis. | | | | | | | | | | | | | |
| | | | | 50.6 - 52.0m; Fine to coarse grained, banded horizon of coarse | | | | | | | | | | | | | |
| | | | | grained (?) ex-granite and fine grained dark grey rock with mottled | | | | | | | | | | | | | |
| | | | | basaltic appearence; mostly altered plagioclase (?)amphibole and | | | | | | | | | | | | | |
| | | | | quartz. Minor fine grained disseminated pyrite in 'basalt' and | | | | | | | | | | | | | |
| | | | | coarser in the granitic material. Grades to ..... | | | | | | | | | | | | | |
| | | | | 52.0 - 52.9m; Mottled medium grained granitic rock of ochre | | | | | | | | | | | | | |
| | | | | coloured clay and green talc grains and pink white and grey stained | | | | | | | | | | | | | |
| | | | | quartz with common medium to coarse pyrite disseminated pyrite | | | | | | | | | | | | | |
| | | | | (up to 10%). | | | | | | | | | | | | | |
| | | | | 52.9 - 59.1m; Dark green grey medium grained core of chlorite/ | | | | | | | | | | | | | |
| | | | | serpentine, ragged subtabular (?)siderite (up to 10mm long) and | | | | | | | | | | | | | |
| | | | | quartz with common medium to coarse disseminated pyrite abundant at | | | | | | | | | | | | | |
| | | | | base (up to 20%). Occasional red staining of altered (?)quartz | | | | | | | | | | | | | |
| | | | | (hardness 5-6). | | | | | | | | | | | | | |
| | | | | 59.1 - 60.4m; Fresher relic granite - texture retained. Quartz, | | | | | | | | | | | | | |
| | | | | yellow feldspars and serpentinised feldspars with chlorite [(?)after | | | | | | | | | | | | | |
| | | | | biotite] and abundant disseminated pyrite medium to coarse grained | | | | | | | | | | | | | |
| | | | | (10-15%). | | | | | | | | | | | | | |
| | | | | 60.4 - 61.8m; Serpentinised medium grained core of mostly quartz, | | | | | | | | | | | | | |
| | | | | chlorite and serpentine with abundent pyrite (~10%). Pale to dark | | | | | | | | | | | | | |
| | | | | grey green core grades to dark grey green serpentinised material | | | | | | | | | | | | | |
| | | | | with red-stained quartz. Clay filled joint plane 15° to core axis. | | | | | | | | | | | | | |
| | | | | 61.8 - 64.8m; Fine-medium grained yellow to greenish-yellow relic | | | | | | | | | | | | | |
| | | | | granite consisting of yellow or green serpentinised feldspar, quartz | | | | | | | | | | | | | |
| | | | | and medium to coarse pyrite (≤ 7mm) 10-20%. A small nodule of | | | | | | | | | | | | | |
| | | | | quartz-fluorite occurs at 62.1m | | | | | | | | | | | | | |

013

714075

014

# DIAMOND DRILL RECORD

HOLE NUMBER : FED 21

LOGGED BY : D. Kilpatrick

| INTERVAL (m) FROM | TO | RECOVERY m | % | DESCRIPTION | FORM. | % Sn. FROM | TO | TOTAL | ACID SOL | % Cu. | % As. | % S. | % Pb. | % Zn. | % Bi. | g/t Ag | % $WO_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 64.8 - 68.4m: Fine to medium (mostly fine) grained greisenous mineralised core. Grainsize and colour (mostly pale yellow and gray green) is irregular. Core has mottled appearance with irregular sinuous quartz fluorite veinlets. Pyrite is common (~5%) and fine to medium grained. Core is siliceous; quartz sometimes has pink staining. Also contains chlorite, siderite and pyrite. Sharp lower contact with coarse cubic pyrite and fluorite. | | | | | | | | | | | | | |
| | | | | 68.4 - 70.3m: Medium-grained serpentinised granite - grey-green serpentine granite with quartz; chlorite and common medium-grained pyrite (5-10%). Small aplite bands 69.2 - 69.3m and 69.5m. Occasional quartz vein carries pyrite and chlorite. Sharp contact. | | | | | | | | | | | | | |
| 70.3 | 117 | 46.2 | 99% | Medium-Grained Slightly Altered Granite | | | | | | | | | | | | | |
| | | | | Medium grained mostly fairly fresh granite with yellowed feldspars, grey quartz, biotite or chloritised biotite, with some zones of more intense alteration (feldspars and biotites very altered). Aplite bands occur at 74.6 - 74.7m, 79.4 - 79.6m, 91.5 - 91.7m. Contact angle to core axis on last aplite 35°. This dyke also carries occasional, small nodules of quartz tourmaline, similar to 'White Granite'. Below 84m occasional pink feldspars and biotites become fresher. Core loss between 89.4 - 92.4m. 113.1 - 113.2m: Greisenised quartz vein. | | | | | | | | | | | | | |
| | | | | Hole terminates in fresh white-grey granite at 117m. | | | | | | | | | | | | | |