

GRID: 22+600W

HOLE: NO 3

COORDINATES: 10+212.5N

ANGLE: -90°

DEPTH: 165 FEET

FROM

TO

DESCRIPTIONS

0'

27'

OVBN

27'

156'

QUARTZ BRECCIA

Overall colour is the result of a granular 1mm. or greater green, brecciated quartz. Prominent intervals of 1/2 cm. or wider red hued bands occur that accentuate the foliation prevalent. These features consist of 80% granular green-white quartz, aligned within a fine matrix of clay-sericite. A flaky red clay mineral defines the foliation within the colour bands. Although the flow banding is made up of visibly crushed and abraded material, silicification is evident by some of the quartz forms. Pyrite is noted throughout the core but, in particular, larger clasts may carry 3-4% as stringers and disseminations. Minor calcite is present but most noted in one of a number of clasts making up the breccia. Clay alteration is general, but occasional intervals intensely so, resulting in sections of wet core with a flexible, spaghetti like consistency. Severe sanding, due to clay alteration made it difficult to continue further. There is no magnetic response. 77 1/2'-90': The only portion of this core with carbonaceous material, occurring as alternating short, dark clay sections.

DESCRIPTIONS: RANK BY ABUNDANCE OF LARGE CLAST MATERIAL

1) 7cm. example @ 98': Massive white quartz with calcite intergrowths. Dark green-black chlorite bands to 1/4cm. Minor sericite.

2a) 12cm. example @ 108 1/2': Siliceous, green quartz sericite? Fine, wavy foliation with thin alternating bands of quartz and sericite. Calcareous (minor).

2b) 14cm. example @ 146': Similar to 2a but quartz flooding accompanied by hairline, gray sulphide fractures.

3) 25cm. example @ 124 1/2': Competent (silicified) red breccia with patchy green tints. 1cm. clasts and smaller of white quartz with crackle features hosting thin bands of red clay. Some vein breccia features noted within the clay. Calcareous (minor).

4) 10cm. example @ 123 1/2': A faintly foliated, thinly veined quartz-calcite unit hosting < 1/2cm. bands of fine matrix supported crushed quartz; by hydraulic fracture?