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Alteration of the volcanoclastics is fairly pervasive and dominated by 'quellite' type assemblages (ie. sericite-pyrite). This pervasive alteration is also accompanied by a moderate to strong tectonic cleavage.

These breccias have been interpreted as possibly cross cutting mineralisation on the 7212.5 N section (Fig. 3). At this location a single debris flow unit separates two small lenses of mineralisation. This feature may also be explained by faulting.

QR 1060 & QR 1060A

A drill hole and wedge on 7300 N (QR 1060 & QR 1060A) to the west of the Que River mine site were logged to investigate the footwall sequence (FPS) in the vicinity of the Que River deposit (Fig. 6). This hole cuts through what is interpreted as the FPS and Lower Basalt units and was stopped in what appeared to be graded interbedded volcanoclastics, possibly of the Animal Creek Greywacke.

The hole is dominated by intermediate, andesitic to possibly dacitic volcanics and autoclastic breccias (Fig. 7). These become the dominant lithology below the ~100 metre mark in QR1060. Quartz phyric lavas and autoclastics (ie. true dacitic to rhyodacitic compositions) appear to be relatively restricted to the top of QR 1060 (~50 - 100 metres). These dacites are interpreted as belonging to the Mixed Sequence. Volcanics of intermediate to mafic compositions occur at the very top of QR 1060 and also toward the base of QR1060A (last 300 metres approximately).

The composition of the volcanics in these two holes was determined by a combination of petrology, alteration and trace element geochemistry. Dacitic units were distinguished from other compositions by their pale buff colour combined with the presence of quartz phenocrysts and elevated Zr, Y and lower Ti/Zr and Cr contents relative to the other units (Fig. 8). Andesitic/basaltic units at the bottom of the hole were distinguish from the more intermediate andesitic/dacitic compositions by the elevated Cr and apparently higher concentrations of mafic phenocrysts (ie pyroxenes).

Andesitic/Basaltic Volcanics: Volcanics of intermediate to mafic compositions are restricted to the very top? and base of the drill hole QR-1060 (Fig. 7). These