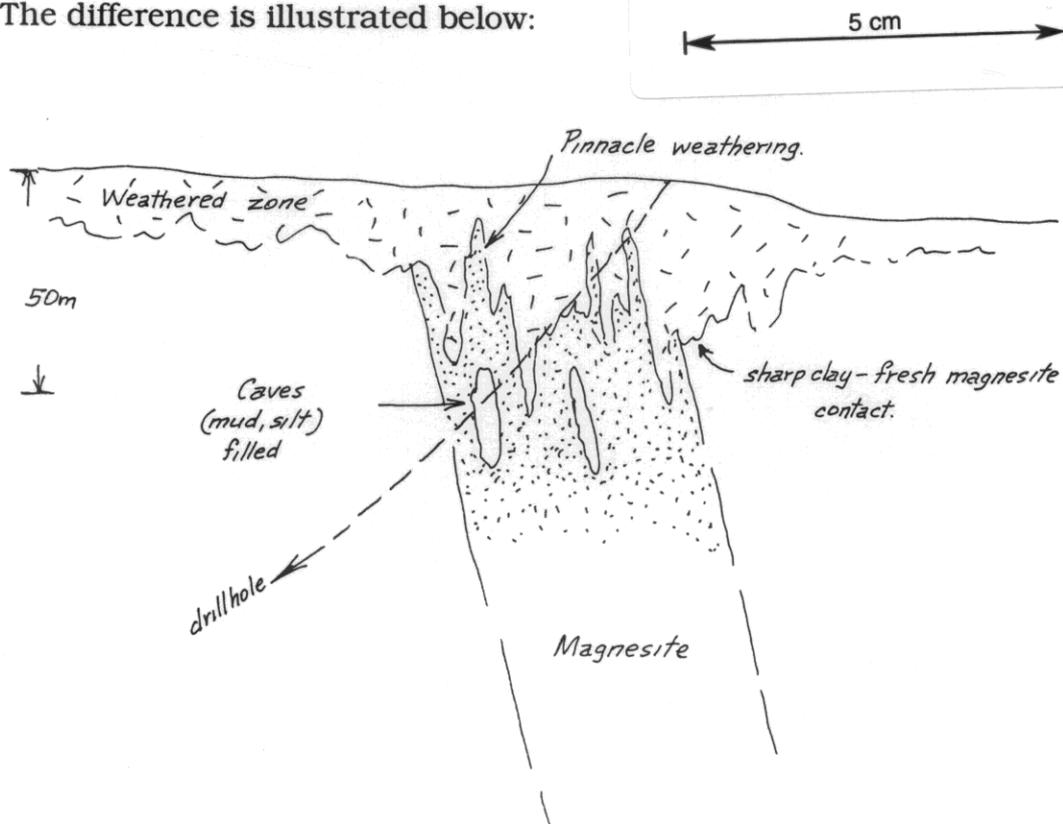


Generally, the Carbonate Sequence is overlain by 10-20 m of brown clays, derived from totally decomposed carbonates. Occasionally, this zone can be up to 40 m thick, cf MC 42, 30, 51. Near Main Creek the weathering profile is shallower because of incision by Main Creek (fresh magnesite outcrops in the creek).

Deeper leaching of the carbonate beneath the normal weathered surface has resulted in the formation of "cavities". The "cavities" are probably of two styles:

- pinnacle type weathering of the top of the carbonates in both the Carbonate Sequence and the Hangingwall Schists
- caves with no direct vertical connection to surface

The difference is illustrated below:



Normally, the cavity zones consist of voids 0.1-10 m wide, within 50 m of surface and filled with brown muds, umbré and debris.

However, a much deeper profile was intersected on Section 1500 N. Weathering and cavities in the Hangingwall Schists (?) extended to a vertical depth of 110 m in drill hole MC 45 and, in drill hole MC 48