

**Location MT19**

**SO 75337 61605**

**Penny Hill East**

This is a small exposure at the side of the woodland path as it dips down some steps into a hollow.

*Photo A*





It is part of an old quarry face. The rock face can be easily accessed and examined. Here, layers of softer muddy sediment (such as seen as thin layers in the upper half of the exposure at Location MT16), are abundant between the harder layers (Photo B). Do not excavate the rocks in any way.

\* Estimate the percentage of the rock that is the soft muddy sediment layers, and the percentage that is the harder layers: muddy sediment ..... % harder layers ..... %.

\* The dip and strike contrast here to that seen at Locations MT17 and 18. Measure or estimate the dip and strike here. What do you get?

\* There is much less sign of deformation and features such as the fracturing of the rock that you saw at MT17 and 18. What does this suggest? Choose:

(a) There are faults very close by, but the muddy sediments absorbed the effect of their movement.

(b) The rocks here are not located close to any faults, where deformation would have been more likely during tectonic activity