Location MT17

SO 7520 6188

Callow Track South

This small quarry has recently been fenced off, so you are unable to go right to the rock face, but view it from a short distance away from the public footpath by the fence and use the photos and information below to assist you. It has two small faces, with a small gully between them (see Photo A).

Photo A

* Notice that, like at Location MT16, the structure of the rock is different in its lower and upper parts; the differing structures are the same types as seen at MT16 and they are in the same order up the quarry face as at MT16.

* Measurements of the dip and strike of the rocks on both sides of the quarry have been taken.
On the left side of the quarry a reading of 146 / 60E is recorded and on the right side 160 / 38E, so the strike is similar on the two sides, but the dip is markedly different. What could be the explanation?

Photo B

* The rock can be conveniently examined closely from the quarry floor on the right hand side (see Photo B). The abundant rounded structures are nodules. The rock is also extensively fractured; the fractures were once infilled with water containing much dissolved calcium carbonate, which later became deposited as crystals of a whitish mineral. What is this mineral?

How might the extensive fracturing of the rock come about? Choose:
excavation by burrowing invertebrates /
movement on a nearby fault or faults /
the weight of further rocks being deposited on top