Witness

Dr Haydon W. Bailey

- Chartered Geologist
- PhD in Chalk Stratigraphy
- Consultant micropalaeontologist – oil and gas industry for over 35 years
- Specialises in Upper Cretaceous Chalk stratigraphy
- Honorary lecturer, MSc course in Applied and Petroleum Micropalaeontology, University of Birmingham
- President - Geologists' Association
- Chairman - Hertfordshire Geological Society
- Past Chairman - The Micropalaeontology Society
- Written over 25 peer reviewed articles, mainly about Cretaceous chalks

Clay with flints

Upper Chalk
Middle Chalk
- White Chalk

Lower Chalk - Grey Chalk

Gault Clay

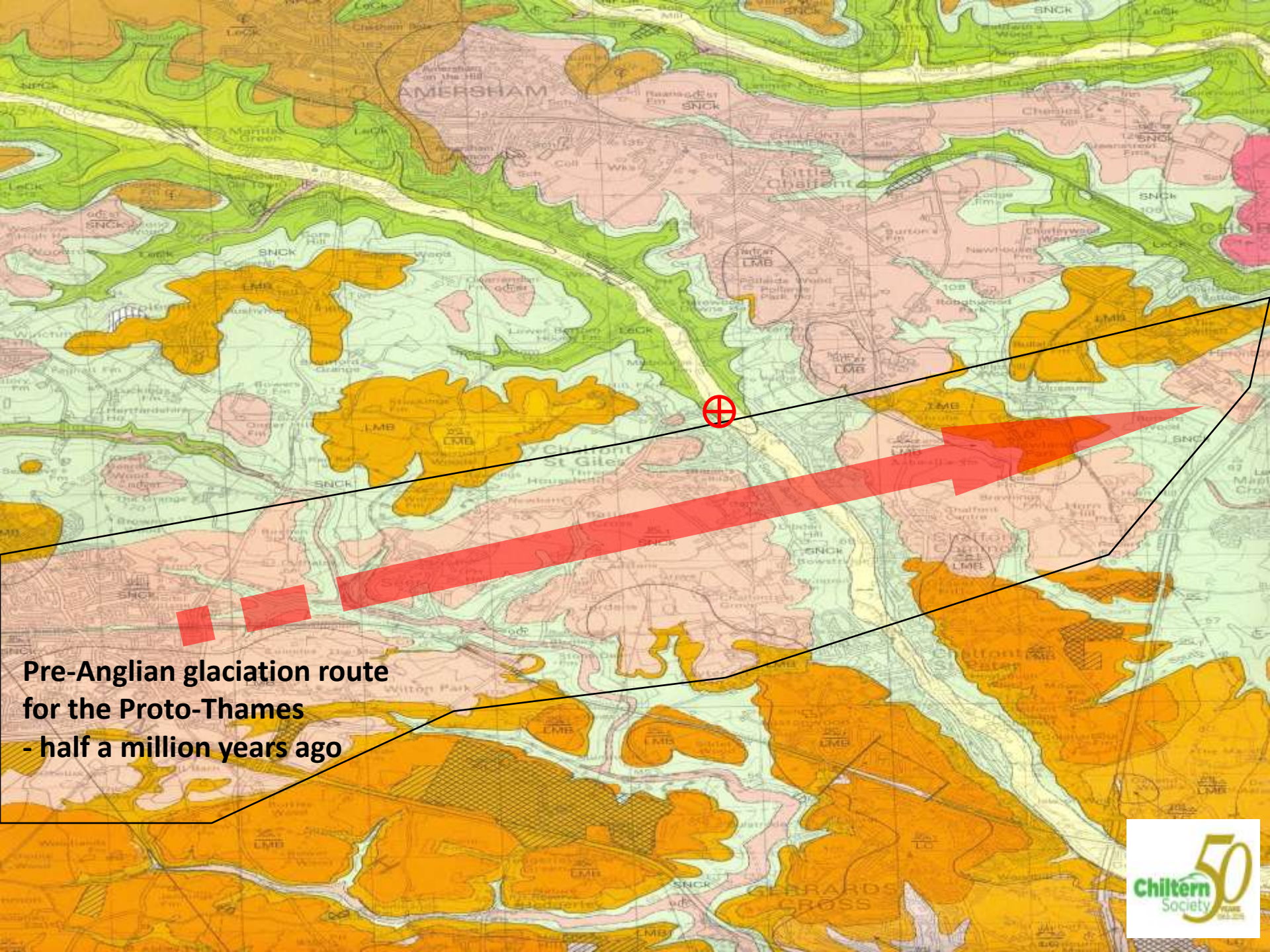
Jurassic (undifferentiated)

Good aquifer: Flints common – difficult to tunnel

Moderate aquifer: Few flints – easy to tunnel

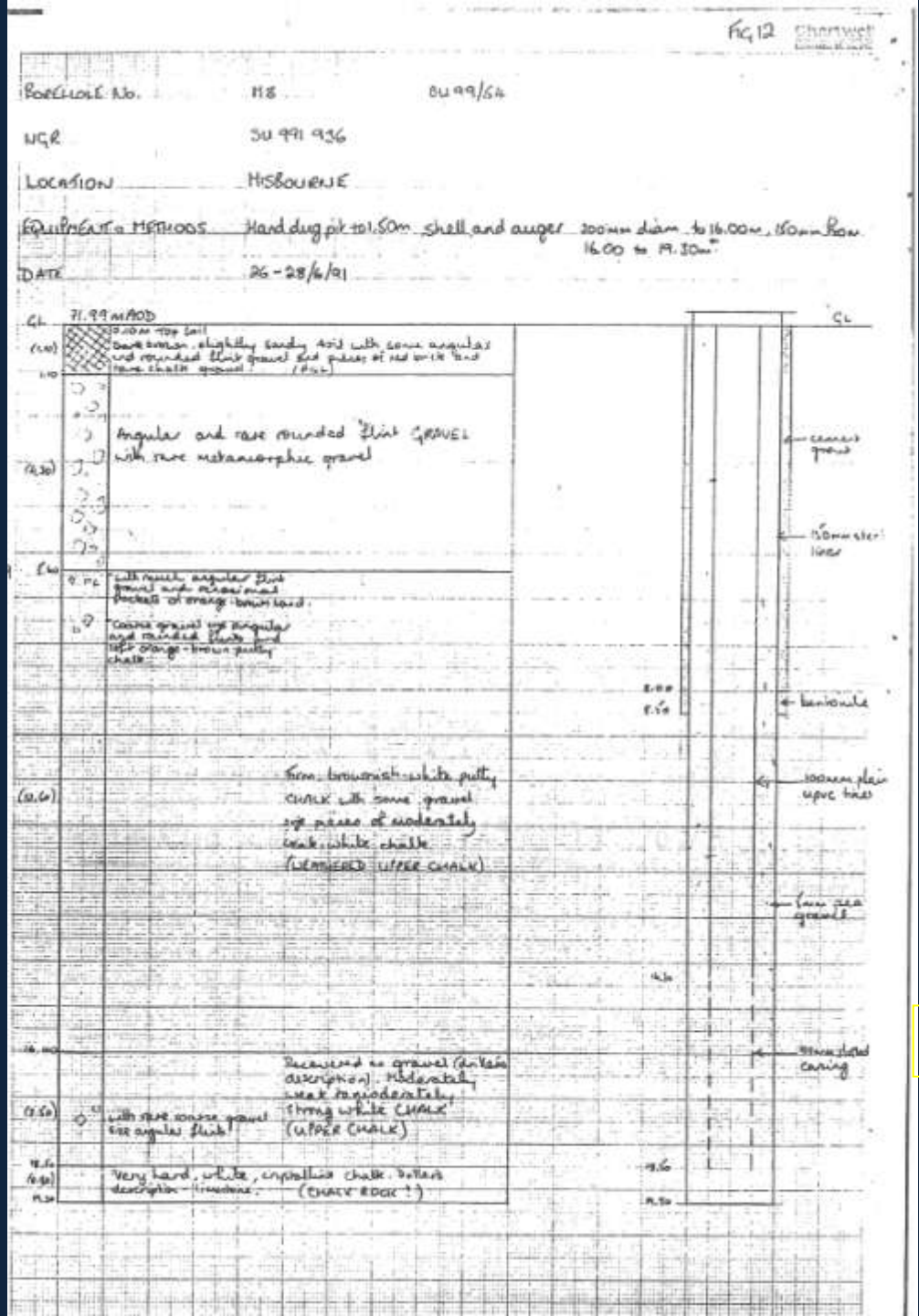
Poor aquifer: No flints – easiest to tunnel

Chiltern Society 50 YEARS



Pre-Anglian glaciation route for the Proto-Thames - half a million years ago

Chalfont Borehole - Original drillers log



Surface

Top soil

Flint gravel

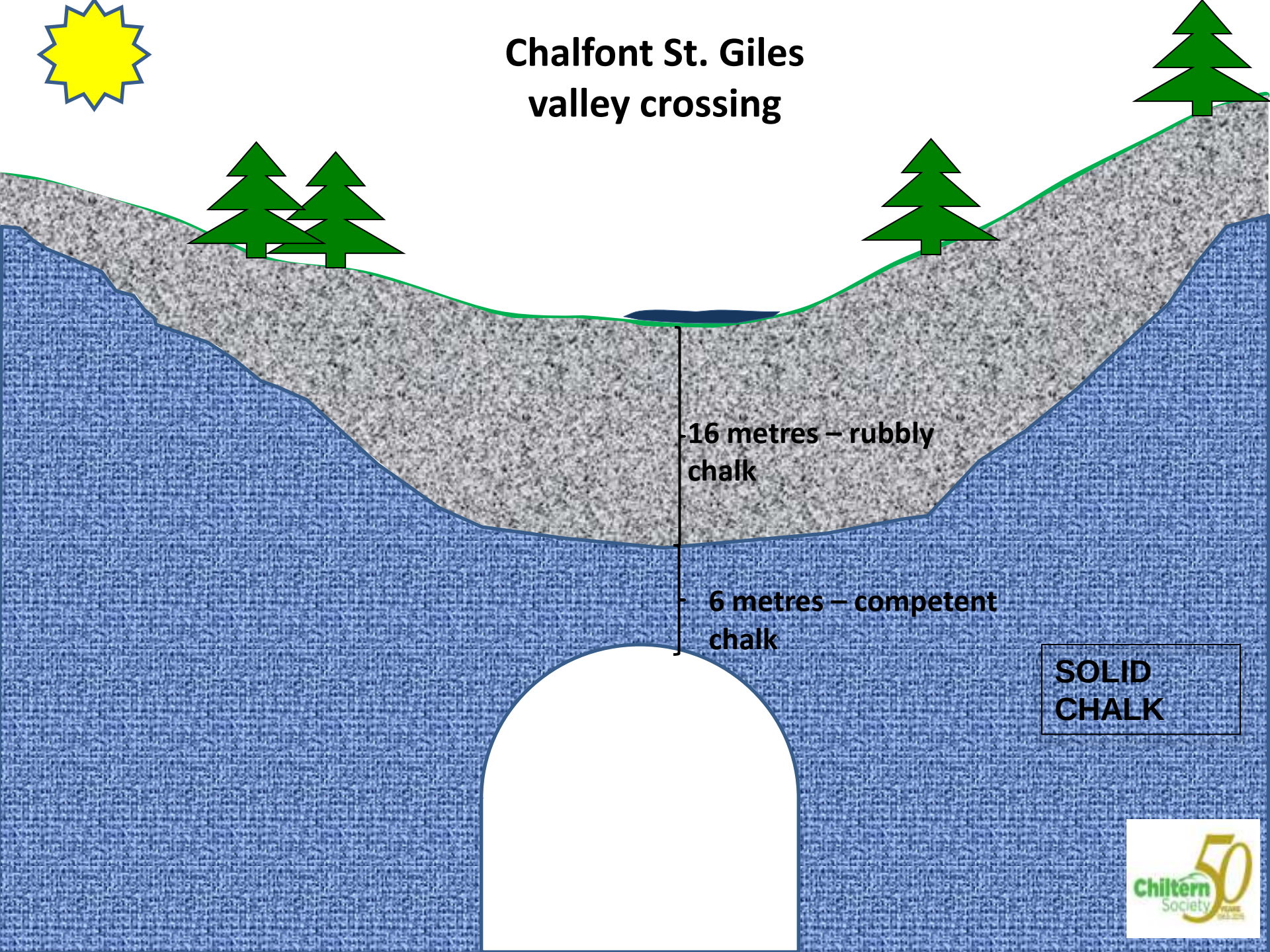
Weathered Upper Chalk

16 metres

Top Solid chalk

Chalk Rock

Chiltern Society 50 YEARS


Chalfont St. Giles
valley crossing
16 metres – rubbly chalk
6 metres – competent chalk
SOLID CHALK
Chiltern Society 50 YEARS

R. Misbourne – Chalfont St. Giles, summer 2008