

## Our core activity:

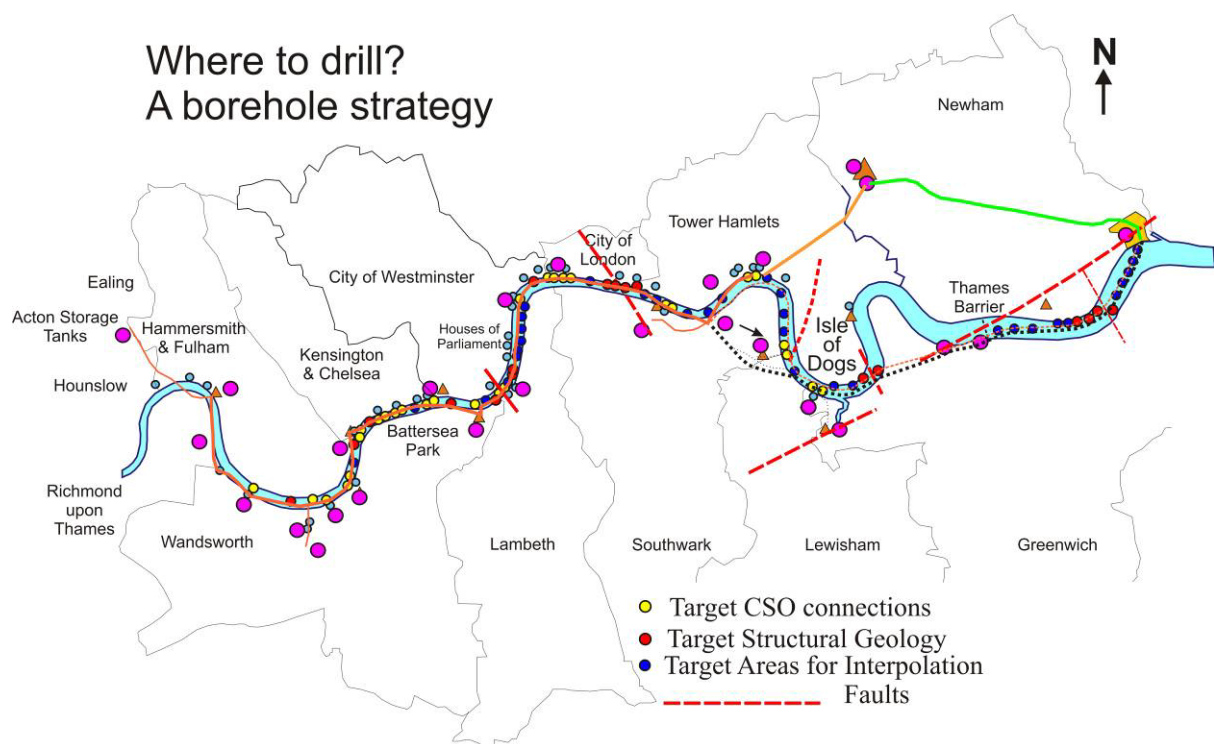
What is involved in the process from core-logging to building the conceptual ground model

First, deciding where to drill, an iterative process,

(i) starts with initial boreholes to prove the ground based on investigating historical data during the table top study

(ii) 2<sup>nd</sup> phase of boreholes adds detail to discoveries made during earlier phases

(iii) 3<sup>rd</sup> phase focussing on detailed design issues



An example of a borehole strategy for a tunnel system



Getting the best drilling contractors for Chalk boreholes



Recovering good quality core



Having the best drilling bits for flint bands in the Chalk



Excellent long lengths of Chalk core being extracted from the core barrel





Logging the cores and check logging to ensure consistency



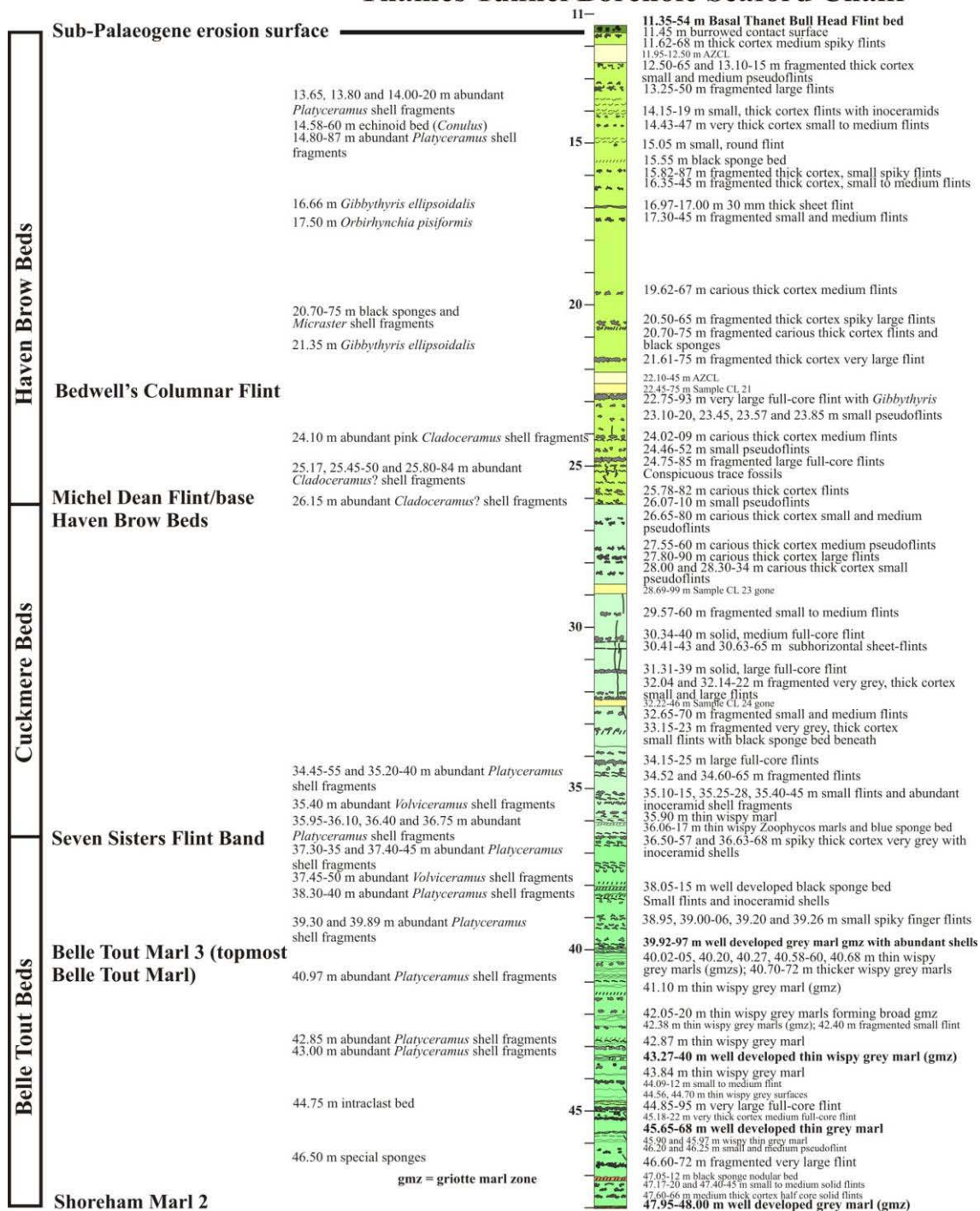
Recognising flint marker beds in core





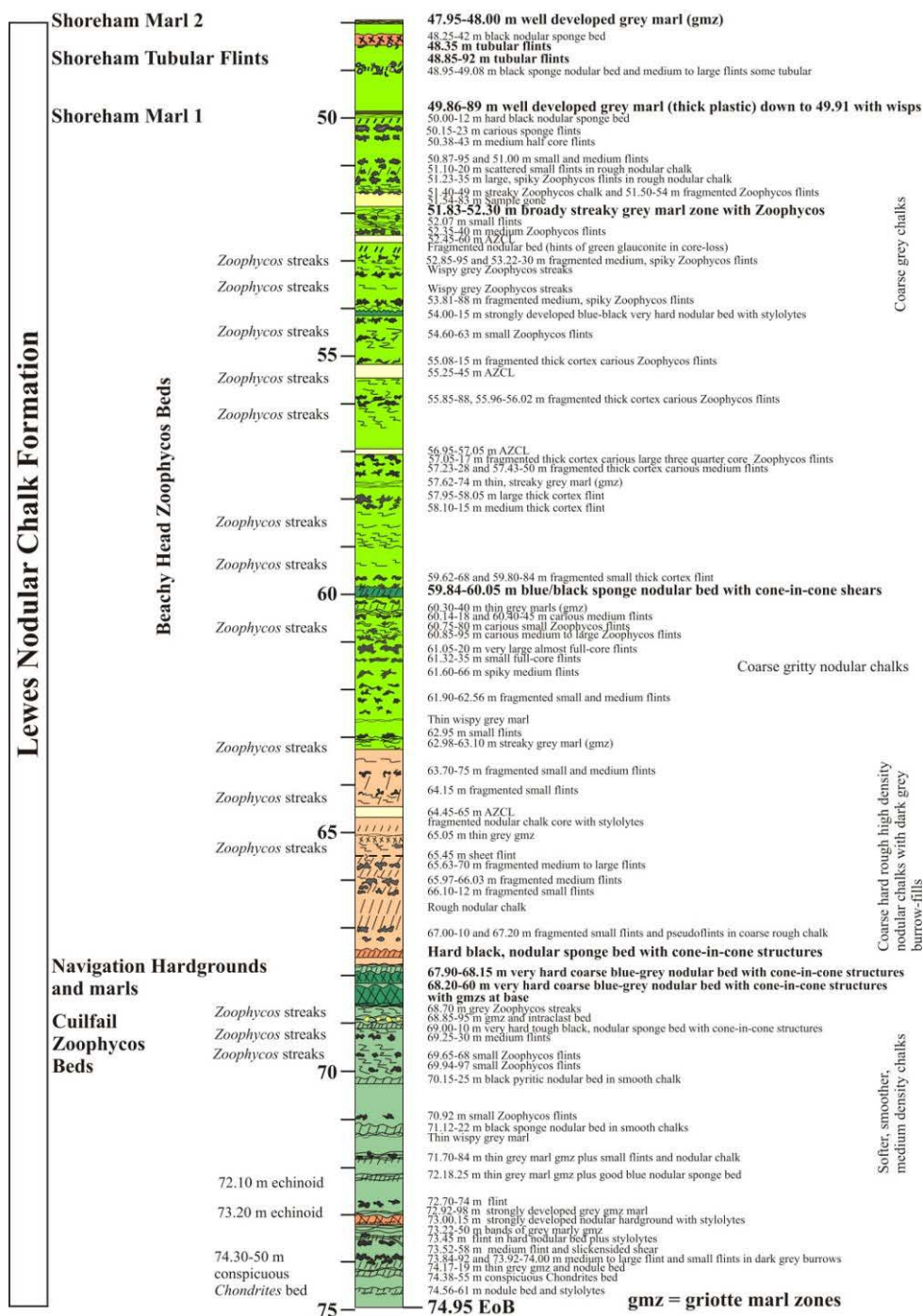
Interpreting drilling damaged core in terms of stratigraphy and engineering grade

## Thames Tunnel Borehole Seaford Chalk



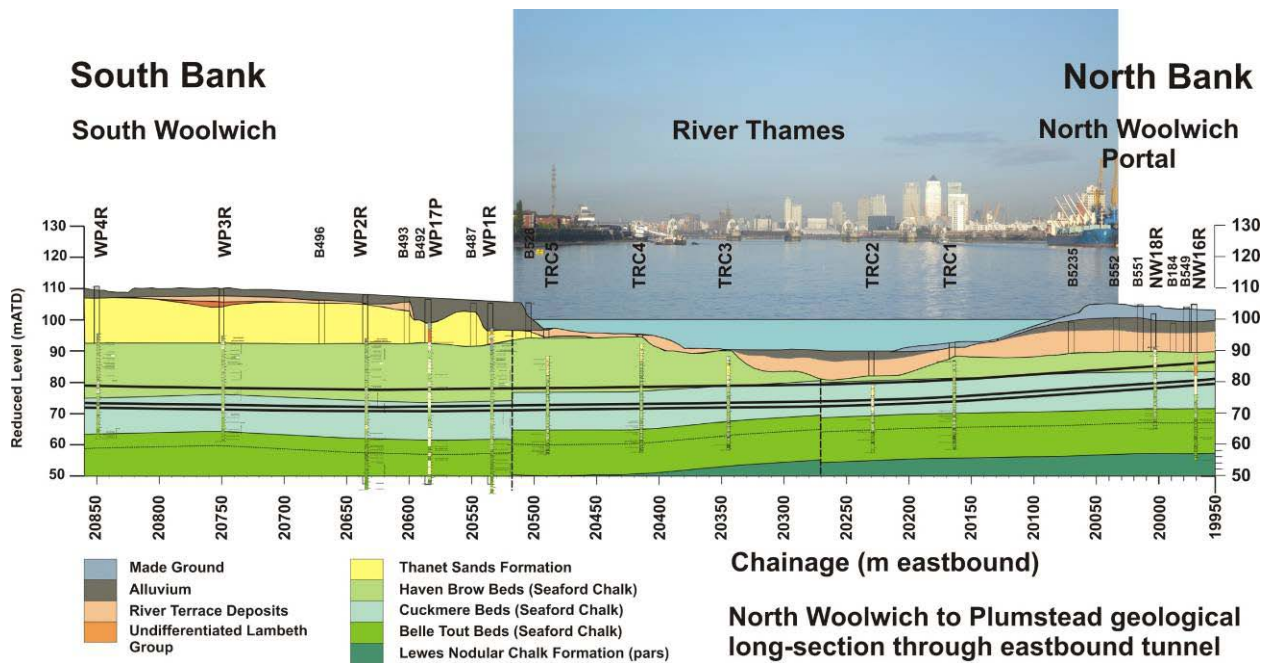
Producing detailed graphical logs of the Chalk beneath London from borehole cores – the Seaford Chalk

## Thames Tunnel Borehole (cont.) Lewes Nodular Chalk



Producing detailed graphical logs of the Chalk beneath London from borehole cores – the Lewes Chalk





The final product – building the ground model from the cored boreholes