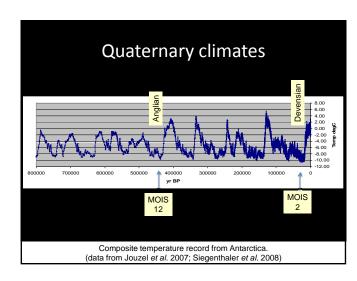
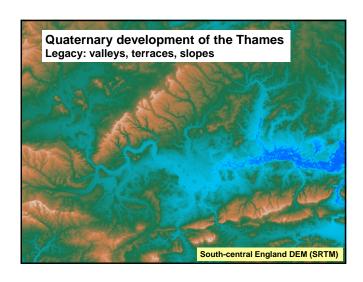


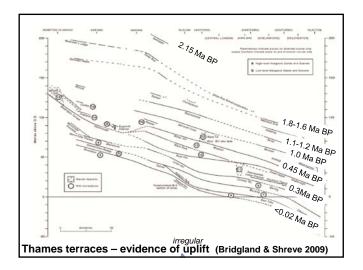
Outline Context for Engineering Geology in London Relevance of the Quaternary Development of the Thames valley Character of Thames deposits/soils Post-depositional modification Issues Role of the London Basin Forum

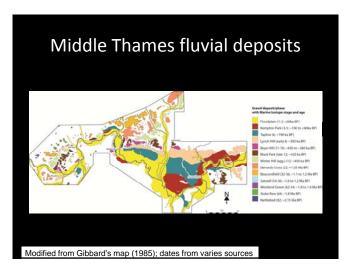




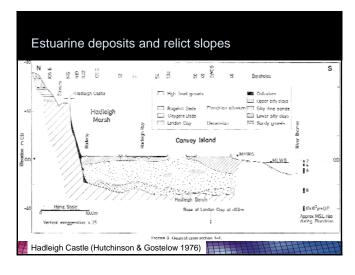
Relevance of the Quaternary • Control on soil/sediment distribution • Control on surface form • Influence on ground behaviour — Relict shear surfaces — Over-consolidation — Pedogenesis • Influence on drainage • Hazards Brunel

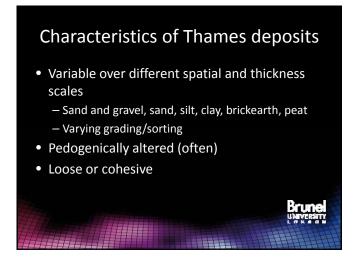




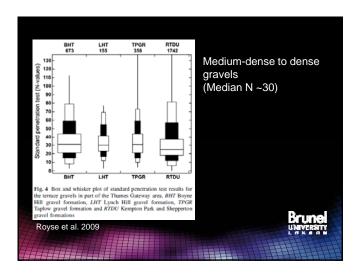




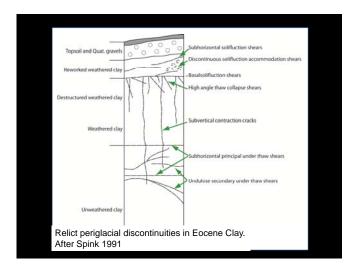




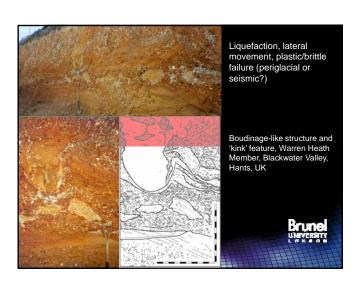


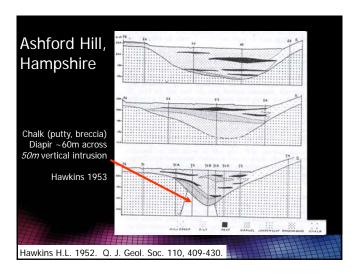


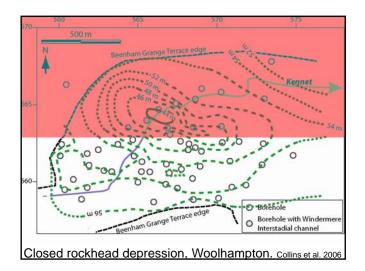


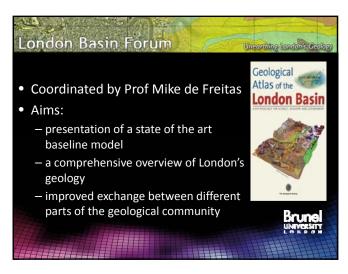


Correlations and chronology Linking fragments and points – which long profile? Time gaps and rates of change Role(s) of tectonism/isostasy Active or passive? Glacial forebulge? Postdepositional changes All periglacial? Rockhead hollows









Quaternary deposits are extensive and physically variable Understanding long term evolution helps predict ground conditions Aid to planning/executing SI and design Still lots of questions, even after 200 years of research Needs a renewed effort

-London Basin Forum