Quaternary of the Thames

Contents

Title page and preliminaries

Contributors

Acknowledgements

Access to the countryside

Preface

1 The Pleistocene of the Thames

The Quaternary record of the River Thames

The Thames terrace system

The diversion of the Thames

The continuation of the Thames into Essex

Classification of Thames terraces and deposits

The stratigraphical framework: Pleistocene chronostratigraphy and correlation

Terrace formation

The stratigraphy of the Thames sequence

Evidence from Palaeolithic artefacts in Thames deposits

Correlation of Thames terraces

2 The Upper Thames basin

The Pleistocene sequence in the Upper Thames

Sugworth Road Cutting

Long Hanborough Gravel Pit

The Wolvercote Gravel and Wolvercote Channel Deposits

Stanton Harcourt Gravel Pit and Magdalen Grove Deer Park

3 The Middle Thames

Introduction

Part 1 — Pliocene/Lower Pleistocene deposits in the London Basin

Little Heath

Harrow Weald Common
Priest's Hill, Nettlebed
Part 2 — Pre-diversion deposits in the Middle Thames basin and the Vale of St Albans
The Vale of St Albans Thames and its demise
Chalfont St Giles Brick Pit and Furneux Pelham Gravel Pit
Westwood Quarry
Westmill Quarry
Moor Mill Quarry
Ugley Park Quarry
Part 3 — The sequence post-dating the diversion of the Thames (sites in the Middle Thames and its tributary, the Kennet)
Highlands Farm Pit
Hamstead Marshall Gravel Pit
Cannoncourt Farm Pit
Fern House Gravel Pit
Brimpton Gravel Pit
4 The Lower Thames
Research history
Hornchurch Railway Cutting
Wansunt Pit, Dartford Heath
Swanscombe (Barnfield Pit — Skull Site NNR and Alkerden Lane Allotments SSSI)
Purfleet — Bluelands, Greenlands, Esso and Botany Pits
Globe Pit, Little Thurrock
Lion Pit Tramway Cutting (West Thurrock)
Aveley, Sandy Lane Quarry
Northfleet (Ebbsfleet valley): Baker's Hole Complex
5 Essex

Part 1 — The Kesgrave Sands and Gravels

Introduction

Newney Green Quarry
Ardleigh (Martells Quarry)
Little Oakley
Wivenhoe Gravel Pit
St Osyth Gravel Pit and Holland-on-Sea Cliff
Part 2 — Eastern Essex
Clacton (cliffs, foreshore and golf course)
Cudmore Grove (East Mersea cliffs and foreshore)
Southminster, Goldsands Road Pit
Part 3 — Deposits of local rivers
Maldon Railway Cutting
East Mersea (Restaurant Site and Hippopotamus Site)
Great Totham (Lofts Farm Pit)
References
Index
Figures and tables
<u>Tables</u>