



THE SURFACE GEOLOGY OF THE LONDON AREA

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2	Brickearths
3	Non-glacial sands and gravel including valley gravels, river terrace gravels, flood plain gravels, coombe-deposits.
4	Boulder Clay
5	Glacial Gravels including Plateau Gravels, Head Gravel, Pebble Gravel - Watney Gravel.
6	Clay with flints, including associated pebbly clay with sand.
7	Barton Beds, Bracklesham Beds
8	Sagehot Beds
9	Claygate Beds
10	London Clay
11	Blackheath Beds
12	Woolwich & Reading Beds
13	Thanet Sand
14	Chalk
15	Upper Greensand
16	Gault
17	Lower Greensand - including Folkestone, Sandgate, Hythe and Acherfield Beds
18	Woolst Clay

Areas left white are water bodies.

REFERENCES

Compiled and drawn by Colin W. Flint with assistance from Ken Hill.

Based upon the Geological Survey of Great Britain (England and Wales) map sheets as follows:

Sheet 238 Aylesbury, published 1940*; Sheet 238 Hertford, published 1948*; Sheet 240 Epping, published 1981; Sheet 235 Beaconsfield, published 1981; Sheet 256 North London, published 1981; Sheet 257 Romford, published 1981; Sheet 269 Windsor, published 1981; Sheet 270 South London, published 1921*; Sheet 271 Dartford, published 1924*; Sheet 268 Aldenham, published 1976; Sheet 288 Reigate, published 1978; Sheet 287 Sevenoaks, published 1971*, by the British Geological Survey and reproduced with the permission of the Copyright Manager.

Geological survey sheets indicated by * were published at 1:63,360 scale (1 inch = 1 mile); remaining sheets are published at 1:50,000 scale (2 cm = 1 inch).

For Essex, minor modifications have been incorporated with reference to Adams, K.J. *The surface Geology of Essex counties 18 and 19* in Jernyn, S.T. 1974 (1975) *Flora of Essex Essex Naturalists' Trust*.

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Artwork and printing in England by Hardlines, Charlbury, Oxford.

Published by the London Natural History Society, 1994, registered charity No. 206228, as a Supplement to *The London Naturalist* volume 73.

NOTES

- Geological deposits of less than one metre in depth are not mapped. Patchy deposits of drift of lesser thickness, as well as artificially altered substrates are widespread and frequent across the area and influence soil type locally.
- Boundaries of outcrops have been adjusted in a few places to fit data from adjoining sheets drawn at different scales or to accommodate partial exposures. Whilst every attempt has been made to be as accurate as possible, no liability can be accepted for errors in boundaries or the designation of rock types. Persons wishing to examine in detail the surface geology of specific local areas should always refer to the appropriate map sheet published by the British Geological Survey.
- Current geological thinking combines the Claygate Beds of the Eocene with the London Clay. I have maintained the separation here, however, on the grounds that the resultant soil types above the beds may differ from those on the London Clay proper and this may potentially affect the distributions of flora and fauna. A fuller explanation is given in the accompanying paper in *London Naturalist* 73.