

## Proposed Regionally Important Geological / Geomorphological Site

(proposed in Ealing 2026 Development Strategy - Final Proposals, June 2010)

**Site Reference:** GLA 20  
**Site Name:** Horsenden Hill  
**Site Type:** Natural exposure  
**Summary:** Dollis Hill Gravel Formation, Pleistocene  
Claygate Member, London Clay Formation  
London Clay Formation, Pleistocene  
**Grid ref:** TQ 16256 84381  
**Area (ha):** 43.15  
**Borough(s):** London Borough of Ealing  
**Ownership:** London Borough of Ealing  
**Access:** Open access, contact the ranger's office for group visits

### Site Description:

This site is a hill in the London Clay capped by the Claygate Member and Dollis Hill Gravel Formation. The Dollis Hill Gravel is a river terrace deposit from the pre-diversionary Thames. It forms hill-caps that decline in elevation northwards, indicating deposition in south-bank tributaries of the ancestral Thames. The gravel is composed of angular flint (58%), rounded flint (32%), quartz/quartzite (1.8%) and Lower Greensand chert (7%).

Horsenden Hill is the highest point in North West London with excellent views of the surrounding area. There are information boards explaining the view, this would be an ideal position to explain the geological landscape.

### Stratigraphy and Rock Types:

Time Unit: Pleistocene	Rock Unit: Dollis Hill Gravel Formation
Rock Type: Sand and gravel	Details: Gravel, sandy and clayey in part, with some laminated silty beds. Sand and gravel, locally with lenses of silt, clay or peat and organic material.
Time Unit: Eocene	Rock Unit: Claygate Member, London Clay Formation
Rock Type: Sand, silt and clay	Details: Interbedded fine-grained sand, silt and clay
Time Unit: Eocene	Rock Unit: London Clay Formation
Rock Type: Clay, silt, sand	Details: Fine, sandy, silty clay / clayey silt. Glauconitic at base.

**Geodiversity Topic:** Geomorphology; lithostratigraphy; sedimentology

**Geodiversity Value:** Small exposures of units accompanied by good Geomorphological features and good access

**Date of Last Survey:** 05/12/2007