

<b>GLA 5 Chingford Hatch</b>	
Grid Reference: TQ 3827 9259	Site Type: Natural Landform
Site Area (hectares): 17.87	Current use: Recreational Land
Site ownership: London Borough of Waltham Forest	Borough: London Borough of Waltham Forest
Field surveyor: Joanna Brayson	Date: December 2010
Latest visit: Ruth Siddall, Diana Clements	Date: 2017
Current geological designation: LIGS	Other designation: Borough Grade I SINC (Larks Wood)
<b>Site Map</b>	
OS Topography © Crown Copyright	
<b>Stratigraphy and Rock Types</b>	
Time Unit: Pleistocene	Rock Unit: Woodford Gravel Formation
Rock Type: Sand and gravel	Details: Sand and gravel, locally with lenses of silt, clay or peat and organic material.
Time Unit: Eocene	Rock Unit: London Clay Formation, Thames Group
Rock Type: Clay, silt, sand	Details: Fine, sandy, silty clay/ clayey silt. Glauconitic at base.
<b>Site Description</b>	
<p>A London Clay hillock in woodland (Larks Wood) near Chingford Hatch with a capping of Woodford Gravel at the highest point. The Woodford Gravel has been interpreted as the river terrace deposits of south-bank tributaries of the ancestral Thames. The gravel consists of angular flint (83%), rounded flint (14%), quartz (1%) and Lower Greensand Chert (1%) and is 3–4 m thick. It can be seen when the leaves are not abundant but it only covers a small area and there is no very obvious spring line.</p>	
<b>Assessment of Site Value</b>	
<b>Geodiversity topic:</b> Lithostratigraphy; sedimentology; geomorphology.	
<b>Access and Safety</b>	
<b>Aspect</b>	<b>Description</b>
Safety of access	Footpaths through woodland.

Safety of exposure	Exposure in woodland – observe general safety in woodlands.	
Permission to visit	Open access.	
Current condition	Ok – exposures small and scattered.	
Current conflicting activities	None.	
Restricting conditions	Trees and Leaf cover in autumn.	
Nature of exposure	Small exposures in woodland.	
<b>Culture, Heritage &amp; Economic</b>		
<b>Aspect</b>	<b>Description</b>	<b>Rating</b>
Historic, archaeological & literary associations	Mentioned in London Borough of Waltham Forest information.	2
Aesthetic landscape	Footpaths through woods used by local community.	4
History of Earth Sciences	Distribution of gravels used to determine location and behaviour of ancestral Thames.	6
Economic geology	None.	0
<b>GeoScientific Merit</b>		
Geomorphology	Distribution of exposures of Woodford Gravel used to determine location relative to ancestral Thames.	6
Sedimentology	Research into composition of the gravels could give more information on the provenance of the gravels and therefore the river that deposited them.	6
Palaeontology	None.	0
Igneous/mineral/ Metamorphic Geology	None.	0
Structural Geology	None.	0
Lithostratigraphy	Relationship of river terrace deposits.	6
Potential use	Research; further education; on-site interpretation.	
Fragility	Dumping; natural overgrowing; weathering/erosion.	
<b>Current Site Value</b>		
Community	Valuable green space.	8
Education		2
<b>Geodiversity value</b>		
LIGS: Small exposures with reasonable access for local community.		4
<b>GLA 5 Chingford Hatch</b>		
		