<b>GLA 43 Springfield</b>	d Park, Hackr	ney			
Grid Reference Main Park entrance TQ 345 873		Site Type: Public park on east facing slope down to the River Lea			
Site Area (hectares): 13.58		Current use: Recreational land with information centre & café			
Site ownership: London Borough of Hackney		Borough: London Borough of Hackney			
Field surveyors: Diana Clements Last visited: Diana Clements		Date: 2009 Date: 2019			
Current geological designation: Local Geological Nature Reserve; RIGS		Other designation: LNR; Borough Grade I SINC (Springfield Park)			
Site Map		OS Topography © Crown Copyright			
PW Role of the second s	Sports Ground F8 Code Code Springfield Park Springfield Park Springfield Park Springfield Park Springfield Park Springfield Park	Playing Fields Coppermill Copperm			
Stratigraphy and Rock Ty	Stratigraphy and Rock Types				
Time Unit: Pleistocene	Rock unit: Langley Si	It Member, Maidenhead Formation			
Rock Type: brickearth	Details: fine clay cont	aining chalk; pebble stringers & laminations			
Time Unit: Pleistocene	Rock unit: Hackney G Langley Silt)	aravel Member, Maidenhead Formation (beneath			
Rock Type:	Details: predominantl	y flint gravel within range base 6-15m, top16-18m			

Rock Type:	Details: predominantly flint gravel within range base 6-15m, top16-18m above floodplain of River Lea
Time Unit: Eocene	Rock Unit: London Clay Formation, Thames Group
Rock Type: Clay, silt, sand	Details: Fine, clayey silt, clay.

## **Site Description**

Springfield Park was designated London's only Geological Nature Reserve in 1997. It is on the west bank of the River Lea and slopes down to the tow path. The name Springfield is the key to the reason for its designation with the spring line along the junction of the Hackney Gravels and underlying London Clay emerging along the slope. A small pit within the park supplied sufficient clay for the building of the three villas originally there (now only one remains). There are fine views from the top of the park over the wide Lea Valley to the Epping Forest Ridge on the far side. In 1999 the interpretation boards for the geology that were placed at several sites disappeared but to be replaced as part of the renovations. A leaflet *Wild about Springfield Park* (available at <a href="https://hackney.gov.uk/springfield-park">https://hackney.gov.uk/springfield-park</a>) includes a section on the geology.

The London Geodiversity Partnership has ensured these geological interpretations are retained in the park with a geotrail to be published once the renovations are completed. It will include information on the melting Anglian ice sheet, which created the valley.

Assessment of Site Value					
Geodiversity topic: lithostratigraphy, sedimentology; geomorphology.					
Access and Safety					
Aspect	Description				
Safety of access	On street car parking is adjacent to the park and there is also access from the towpath of the Lea. Park is open daily 24 hours a day. Buses 253 and 254 run along Clapton Common to stop 'Jessam Avenue'. The main entrance is a short walk along Springfield.				
Safety of exposure	There are well-marked footpaths throughout the park but actual expose are mostly not seen. Instead the geology is inferred by the topography springs near the break of slope and with plants denoting the springs the bubble up lower down in the grassy slopes, particularly on Wilson's Hi	ures with nat II.			
Permission to visit	Open access.				
Current condition	The park is well maintained with rough grass areas allowing access to position of several of the springs. There is an excellent view over the I Valley. Conservation of boards and leaflets need to be regularly asses 2019 renovations to Springfield Mansion and in the park were underward. There is to be a new café, toilets and Visitor Centre.	the _ea ssed. In ay.			
Current conflicting activities	none				
Restricting conditions	Vegetation, limited exposures				
Nature of exposure	Natural slope allowing geomorphological interpretation.				
Culture, Heritage & Econom	nic	1			
Aspect	Description	Rating			
Historic, archaeological & literary associations	Created as a geological nature reserve in 1997 backed by information leaflets and interpretation boards initiated by Eric Robinson of the Geologists' Association. Brick pit on old maps	7			
Aesthetic landscape	Footpaths through woods and meadows and around ponds used by local community; good views over London. Green Flag Award.	9			
History of Earth Sciences	unknown	2			
Economic geology	Brick pit for use on site. Over-burnt bricks used in walls around trees within parks.	4			
GeoScientific Merit					
Geomorphology	Steep eastward-sloping bank of the River Lea with spring lines denoting changes in morphology. Wide nature of the Lea Valley carved during the retreat of the Anglian Ice Sheet can be observed.	6			
Sedimentology	None visible	4			
Palaeontology	None recorded				
Igneous/mineral/ Metamorphic Geology	none	0			
Structural Geology					
Lithostratigraphy	Only location demonstrating Langley Silt & Hackney Gravel. Geological nature reserve has interpreted the different lithologies from clues in the landscape – spring lines, vegetation, small exposures	6			
Potential use	education; interpretation panels & leaflet exists but LGP needs to ensure that the geological aspects are maintained. Could be included in a possible Geotrail in the Lea Valley as well as around the Park itself.				
Fragility	Draining of springs for other amenity users				
Current Site Value					
Community	Valuable green space. The Capital Ring runs through the site.	9			

