

Warwickshire Geological Conservation Group

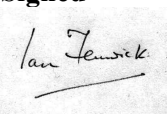
Warwickshire Local Geological Site	
Site No: 51	River Avon – Stratford Racecourse
Geological Formations	Shelly alluvium (Holocene)
Criteria Form	p 2
Description	p 3
Photographs	p 4
Location Map	p 5

Local Geological Sites (LoGS), designated by locally developed criteria, are currently the most important places for geology and geomorphology outside statutorily protected land such as Sites of Special Scientific Interest (SSSI). The designation of LoGS is one way of recognising and protecting important Earth science and landscape features for future generations to enjoy.

WGCG is responsible for the identification of LoGS in Warwickshire and the West Midlands.

Please note that designation of a site as a LoGS does not confer a legal right of access. Unless the site is on a designated public right-of-way, the landowner's permission is required before visiting.

Warwickshire Local Geological Site - Criteria Form

Site name: River Avon - Stratford Racecourse		Also known as:	
District: Stratford on Avon		County: Warwickshire	
Grid reference: SP 1848 5332	LoGS Number: 51	ESCC Class:	IA
Brief Description: A river bank section with an exposure of a shelly alluvium of Holocene age, and strandline sediments demonstrating a variety of sedimentological processes			
This site qualifies as a Local Geological Site for the following criteria:			
A Good Example of Holocene shelly alluvium			
Educational Fieldwork			
1. Educational Potential	✓	2. Physical access	✓
		3. Safety	✓
Scientific Study			
1. Diversity of interest	✓	2. Rarity of interest	
		3. Size of feature	
4. Typicalness of feature		5. Geological/physiographic linkage to: <i>R. Arrow, Studley(49) & Paul's Ford, Attleborough (72)</i>	✓
Historical Value			
1. Celebrity link		2. Pioneering research	
		3. Historical link	
Aesthetic Value In The Landscape			
1. Local importance in the landscape		2. Promotion of Earth science	
Signed		Date first selected 21st November 2001	
 I M Fenwick, Chairman, Warwickshire Geological Conservation Group		Reviewed by LoGS panel Oct. 2009	
		Further survey required	
		LoGS Confirmed	✓
Endorsed by			
Warwickshire Museum		Natural England	
J Radley, Keeper of Geology		J A Irving, Conservation Adviser	
In the event of any development or planning consultation relating to this site or its surrounds please inform:			
The LoGS Officer WCGG, c/o Keeper of Geology, Warwickshire Museum, Market Place, Warwick CV34 4SA (tel: 01926-418182)			

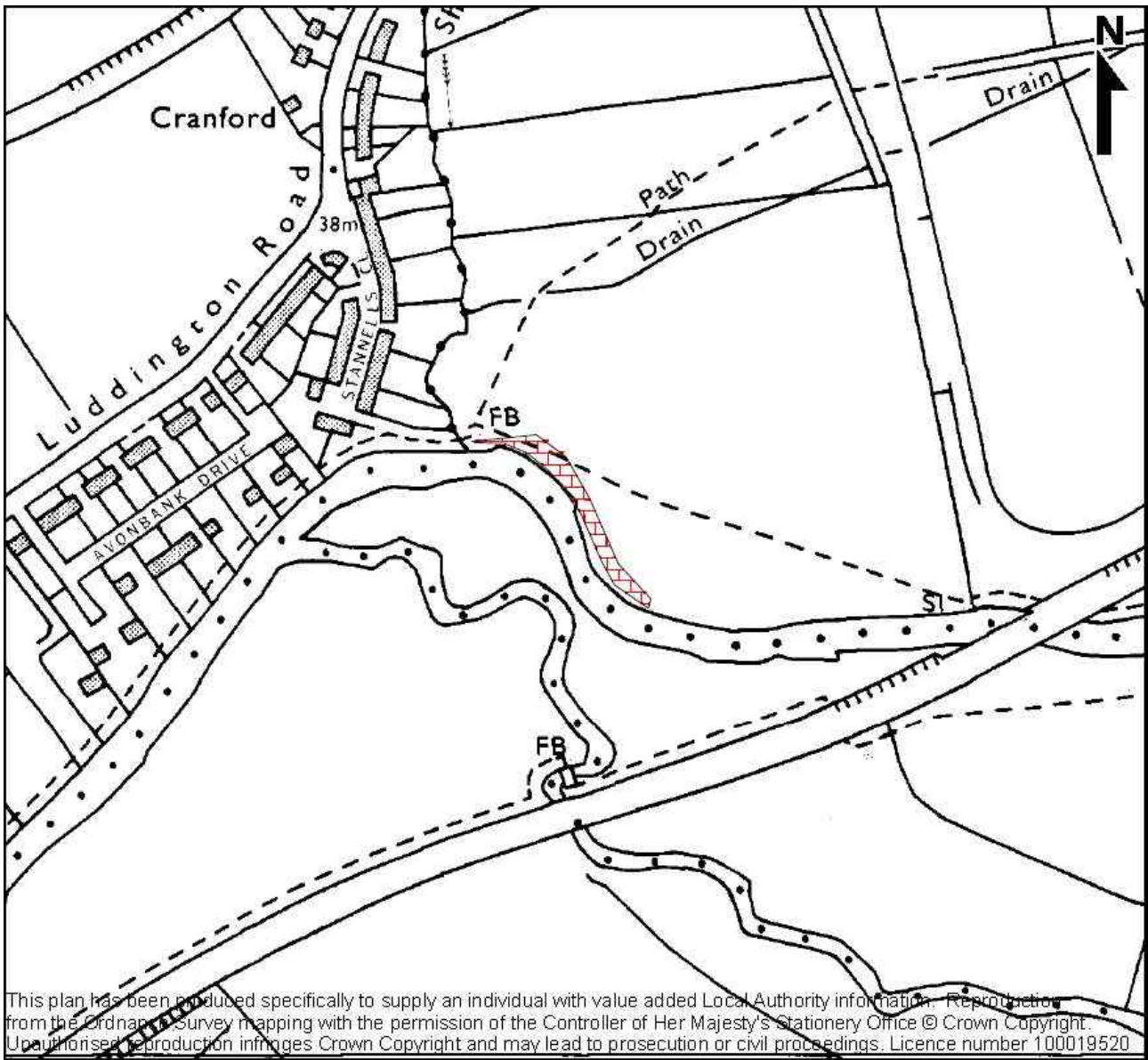
**WARWICKSHIRE GEOLOGICAL CONSERVATION GROUP
LOCAL GEOLOGICAL SITE (LoGS)**

Site	51	River Avon - Stratford Racecourse
Parish	Stratford upon Avon	
District	Stratford upon Avon	
County	Warwickshire	
National Grid Reference	SP 1847 5339	
Ordnance Survey Sheets 1:50000	151	
1:10000	SP 15SE	

Location
The eastern bank of the River Avon 300m west of the bridge where the Greenway crosses the river. Access is easiest via a public right of way from Stannells Close.

Summary of Interest
<p>About half-way along the designated section, fine-grained shelly sediments along the strandline below the bank and in the river shallows can be observed at low water. These bedforms demonstrate a variety of sedimentological processes - shell breakage, sorting and grading along the strand, and generation of ripple-like bedforms. Typically acidic river water is indicated by etching features on pond mussel shells.</p> <p>Some 100-150m upstream of the Stannells Close access a section has been cut through the river bank and shows a clear section of shelly alluvium. Prof. D. Keen (unpublished) has recorded in excess of thirty freshwater mollusc species from these Holocene deposits and about ten terrestrial snails. The abundance of the pond snail <i>Theodoxus fluviatilis</i> and the absence of the mussel <i>Dreissena polymorpha</i> (common in the adjacent channel) suggests an age no older than 6500BP and no younger than around 1800 AD.</p>





Link to Resurveyed LoGS document
<http://lgs.wgcg.co.uk/LoGS51-Resurvey.pdf>