

Appendix 10.1

---

RIGS Citation



# LANCASHIRE RIGS SCHEME

## Landform Locality Record

The Secretary  
Lancashire RIGS Group  
6 Whins Lane  
Wheelton  
Chorley  
PR6 8HN

### LOCALITY INFORMATION

<b>Locality Name</b> R.Wyre section		<b>Landowner</b> N/a	
<b>Geographical Location</b> SW of Preesall			
<b>District</b> Wyre		<b>GR No.</b> Centred on SD 355 460	
<b>Landform(s)</b> Drumlinoid landforms, possibly forming southern extension of Kendal/Lancaster swarm.			
<b>Locality Status</b> Biol. SSSI, Wyre Estuary		<b>Date of Visit</b> Initial, 03/09/93 Also several others, 1999	<b>Surveyors</b> Trevor Lund; J K Williams
<b>Site Description</b>			
<p><u>General:</u> Low-lying (ca. 4m OMSL) area with drumlinoid landforms reaching altitudes of typically 20m at several locations including Burrow's Farm, Height o' Hill, Ferry Hill, New Heys and south of Hackensall Hall. Their long axes tend to have N-S to NNW-SSE orientations. South of the power lines at SD 350 467 and east of a line denoted by footpaths and minor roads linking Hackensall Hall and Stanall is an area of mainly saltmarsh including the SSSI.</p> <p><u>Particular:</u> The original RIGS designation consisted of an exposure in the side of a 'drumlin' at SD 346 472 created by marine/fluviol erosion. Relatively rare good exposure showing sequence of Devensian tills with sands and gravel.</p>			

Landform	Erosional	Depositional
<b>Fluvial</b>	Exposure in side of a 'drumlin' creating a 4.5m high river cliff.	None
<b>Glacial</b>	Southern tip of Kendle – Lancaster drumlin field	Mainly tills exposed in section.
<b>Fluvio-glacial</b>		Some sands and gravel incorporated into till sequence.
<b>Coastal</b>		

Landform	Type
----------	------

<b>Karst</b>		<u><b>Section in side of drumlin</b></u>  About 4.5m of sediment exposed in river section.  1). Base till: unbedded, compact purple till with Lake District erratics.  2). Till in contact with false bedded sand. Cemented gravel with shell fragments.  3). Contact with upper till. Blue/grey with Cumbrian erratics.
<b>Wetlands, Bogs and Mosses</b>	Saltmarsh covered by SSSI.	
<b>Mass Movement</b>		
<b>Periglacial</b>		
<b>Soils</b>		
<b>Geology/landscape relationships</b>	Some relationship likely between competence of drumlin-forming materials and landforms.	

## CRITERIA

## OTHER LOCALITY INFORMATION

<b>2d Range of geomorphological features</b>	<b>X</b>	<b>General Condition</b>	Tipping and natural degrading of cliff.
<b>3 Educational resource</b>	<b>X</b>	<b>Threats</b>	Gas storage scheme
<b>4 Scientific/research significance</b>	<b>X</b>	<b>Field map</b>	
<b>6 Rarity value</b>	<b>X</b>	<b>Photographs</b>	
<b>7 Site of exceptional quality</b>		<b>Non-Geological Interests</b>	Saltmarsh flora
<b>8 Site of notable visual appeal</b>	x		

### **Access**

Public footpaths along the beach, and between Stalmine, Heads, Hackensall Hall and Preesall.

### **Additional info/literature**

Longworth, D. (1984) '*An Investigation into the Glacial deposits of the Lancashire Plain*', unpublished M. Sc. Thesis. Univ. of Manchester

VEHICLE FERRY  
FROM FLEETWOOD TO  
Douglas 3¼ hrs  
(summer only)

**Original  
RIGS**

**New RIGS  
boundary**

