

Kent Wildlife Trust Wildlife Study Day Information Sheet

No.	8	Title	The Geology and Landscape of the coast around Dover	Date	Sunday 9th May 2010
No. of students	5-20	Start time	10.00 am	Finish time	4.30 pm
Leader	<p>Peter Golding BSc, FGS. Peter is a freelance lecturer and leader of geology courses for University of Kent, WEA and Kent Wildlife Trust. He has been interested in the geology of Kent for over 40 years.</p>				
Who should attend	Anyone with an interest in geology				
Meeting place	Meet in the National Trust car park at Langdon Cliffs east of Dover. Grid Ref TR336422				
Other sites to be visited	We will travel through Dover and descend to the beach at Samphire Hoe after lunch.				
Programme	<p>From the car park, we will walk down footpaths to examine the Upper Chalk above the Eastern Docks. Here we shall discuss the flints and the 'nodular' chalk exposed in the cliffs. We shall also see small filled channels that record a time when streams flowed over the Downs to a distant shore. We shall then walk across Langdon Hole towards South Foreland. Here we will discuss the shape of the cliff face as controlled by the local joint pattern and see a huge incipient chalk fall bounded by these joints.</p> <p>After lunch, we will travel by own transport to Samphire Hoe to view the Middle and Lower Chalk and compare it with the Upper Chalk seen in the morning. Here we are likely to find fossils including brachiopods, bivalves, ammonites and fish teeth. There are also good specimens of pyrite and marcasite.</p>				
Subjects to be covered	<p>During the day we will:</p> <ol style="list-style-type: none"> 1. Study the Upper Chalk of the Landon Cliffs and the local geomorphology. 2. Examine the Middle and Lower Chalk around Samphire Hoe and look for fossils. 				
What to bring	Hand lens, clothing and footwear suitable for a day walking on the cliff top and on a shingle beach. Bring a packed lunch or eat at the National Trust café at Langdon Cliffs.				
Other information	<p>Toilets are available at the National Trust café and in the car park at Samphire Hoe. Parking is free for NT members but costs £3 for non-members. At Samphire Hoe there is a daily charge of £2 Walking distance is about 3 kilometres in the morning and slightly less in the afternoon. We will stay away from cliff faces as much as possible but hard hats will be provided for the afternoon. Please note: we will not be going down Langdon Stairs</p>				

