

## NEWBOURNE SPRINGS CGS

Suffolk Wildlife Trust reserve, **Newbourne Springs** is accessed via their car park on the Martlesham to Hemley road at TM275433. Here Kesgrave Gravel and Red Crag on London Clay give rise to a lithology dominated valley landscape with springs issuing from the crag-clay junction and flowing into the main stream. The eastern valley side exhibits particularly steep slopes due to spring sapping and although most of the springs are overgrown, the flow of water issuing from the Red Crag is a fine sight. The supply of lime from crag shells raises the pH of the water to neutral and the ground water provides a steady base flow even in hot dry summer weather.



View from eastern valley side in winter

Stream

Spring/seepage area

To see an exposure of the Red Crag, cross the road at the car park entrance and enter **Newbourne Great Pit**, also managed by the Suffolk Wildlife Trust. Here the Crag shows small-scale cross bedded units with varying current directions. There are fissures infilled with calcite and fossil molluscs can be seen - single valves of bivalves, dominated by *Spisula*. A Leopard tooth was found c.1839.

