

**Centre for Archaeology
SCIENTIFIC DATING SERVICE**

SITE DETAILS

Please complete this form so that we can assess your dating request. Information provided here may be published verbatim.

Name of site	Mickle Mere	Site code	Ixworth
Address of site	Ixworth floodplain		
Nearest town	Ixworth	County	Suffolk
OS ngr	TL593780 269772		
Site archival body	Finds: Roman Villa and Fort to the east and west of floodplain respectively Paper: None		
Date of excavation	July 2006		
Description of Site			
<p>Analysis of aerial photographs, LiDAR and grey literature as part of the Suffolk River Valleys Project resulted in the identification of possible organic deposits preserved within palaeochannel features within Mickle Mere, Ixworth. An abundance of archaeological sites, especially relating to the Roman period, have been found in and around Ixworth. Due to this abundance of local archaeology, combined with the lack of palaeoenvironmental research undertaken within the region, Mickle Mere was chosen as a site suitable for further analysis.</p> <p>Coring was undertaken along a transect running across the western floodplain of the River Black Bourn. A core that was representative of the typical sedimentary archive of Mickle Mere was extracted and stored for further palaeoenvironmental analysis.</p>			
Contact name	Dr T. Hill		
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EH contact Eg inspector	Dr Ingrid Ward (Project Manager)		
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Date of request	05.10.06	Results needed by	ASAP

For AML use AML site no

Details of series of radiocarbon samples submitted

Please complete the following for each series of radiocarbon samples (photocopying this sheet as appropriate). Information which you provide here may be published verbatim.

A series is a group of samples related to each other for archaeological or scientific reasons (eg samples from a cemetery, a building, or a peat core).

Name or code of series	Ixworth: 56cm, 86cm, 137cm, 140cm, 149cm, 249cm, 263cm, 344cm.
Description of series Light grey slightly gravelly silts from 0-0.57m, are underlain by predominantly dark brown well humified peat with varying silt content to 3.45m. Within peat sequence are thin minerogenic horizons. An organic-rich sand horizon is located 1.38-1.41m, and a slightly gravelly organic silt is located 2.50-2.64m. The peat unit is underlain by grey silty sands, which, in turn is underlain by sands and gravels.	
Objectives of dating <ul style="list-style-type: none">• To determine the timing of the onset of in-situ organic sedimentation at the site.• To identify variations in the rate of sedimentary accumulation within floodplain environment during its depositional history.• To provide an understanding of the timing of minerogenic sedimentation within the depositional archive.	
Relevant publications Please provide references in full No palaeoenvironmental publications exist for this location.	

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Figure 10: OS Map and Aerial photograph of area surrounding Ixworth site, with the site location indicated by *.