



## Scottish Universities Environmental Research Centre

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### RADIOCARBON DATING CERTIFICATE

17 July 2012

**Laboratory Code** SUERC-40842 (GU27594)

**Submitter** Graeme Cavers  
AOC Archaeology Group  
Edgefield Industrial Estate  
Edgefield Road, Loanhead  
Midlothian, EH20 9SY

**Site Reference** Cults Loch, Chlenry Cottages Palisaded Enclosure  
**Context Reference** 125  
**Sample Reference** 11

**Material** Alder Charcoal : Alnus sp

**$\delta^{13}\text{C}$  relative to VPDB** -27.0 ‰

**Radiocarbon Age BP** 2580  $\pm$  35

**N.B.** The above  $^{14}\text{C}$  age is quoted in conventional years BP (before 1950 AD). The error, which is expressed at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standards, background standards and the random machine error.

The calibrated age ranges are determined using the University of Oxford Radiocarbon Accelerator Unit calibration program OxCal 4.1 (Bronk Ramsey 2009). Terrestrial samples are calibrated using the IntCal09 curve while marine samples are calibrated using the Marine09 curve.

Samples with a SUERC coding are measured at the Scottish Universities Environmental Research Centre AMS Facility and should be quoted as such in any reports within the scientific literature. Any questions directed to the Radiocarbon Laboratory should also quote the GU coding given in parentheses after the SUERC code. The contact details for the laboratory are email [g.cook@suerc.gla.ac.uk](mailto:g.cook@suerc.gla.ac.uk) or Telephone 01355 270136 direct line.

Conventional age and calibration age ranges calculated by :-

Date :-

Checked and signed off by :-

Date :-



# Calibration Plot

