

Rankine Avenue, Scottish Enterprise Technology Park, East Kilbride, Glasgow G75 0QF, Scotland, UK Director: Professor R M Ellam Tel: +44 (0)1355 223332 Fax: +44 (0)1355 229898 www.glasgow.ac.uk/suerc

## RADIOCARBON DATING CERTIFICATE

14 December 2015

**Laboratory Code** 

SUERC-64289 (GU38968)

Submitter

Peter Marshall Historic England 1 Waterhouse Square 138-142 Holborn

London EC1N 2ST

Site Reference

Nantwich

Sample Reference

AC-1

Material

Gas Sample: methane

δ<sup>13</sup>C relative to VPDB

-30.9 ‰

Radiocarbon Age BP

 $1138 \pm 38$ 

N.B. The above <sup>14</sup>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 standard and blank and the random machine error.

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 Gordon.Cook@glasgow.ac.uk or telephone 01355 270136 direct line.

Conventional age calculated by :- P. Naysm &

Checked and signed off by :-  $\mathcal{L}$  Dunber

Date: 14-12-15

Date:- 14/12/15









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## RADIOCARBON DATING CERTIFICATE

14 December 2015

**Laboratory Code** 

SUERC-64290 (GU38969)

Submitter

Peter Marshall Historic England 1 Waterhouse Square 138-142 Holborn

London EC1N 2ST

Site Reference

Nantwich

Sample Reference

AC-2

Material

Gas Sample: methane

δ<sup>13</sup>C relative to VPDB

-42.0 %

Radiocarbon Age BP

 $1190 \pm 38$ 

The above <sup>14</sup>C age is quoted in conventional years BP (before 1950 AD). The error, which is expressed N.B. at the one sigma level of confidence, includes components from the counting statistics on the sample, modern reference standard and blank and the random machine error.

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Conventional age calculated by :- P. Naysm. L

Date: 14-12-15

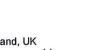
Checked and signed off by:-

Date :- 14/12/17











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## RADIOCARBON DATING CERTIFICATE

14 December 2015

**Laboratory Code** 

SUERC-64291 (GU38970)

**Submitter** 

Peter Marshall Historic England 1 Waterhouse Square 138-142 Holborn

London EC1N 2ST

Site Reference

Nantwich

Sample Reference

AE-1

Material

Gas Sample: CO2

δ<sup>13</sup>C relative to VPDB

-14.9 ‰

Radiocarbon Age BP

 $3780 \pm 38$ 

N.B. The above <sup>14</sup>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 standard and blank and the random machine error.

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 Gordon.Cook@glasgow.ac.uk or telephone 01355 270136 direct line.

Checked and signed off by:-

Date: - 14-12-15

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Date:- 14/12/15









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## RADIOCARBON DATING CERTIFICATE

14 December 2015

**Laboratory Code** 

SUERC-64292 (GU38971)

**Submitter** 

Peter Marshall Historic England 1 Waterhouse Square 138-142 Holborn

London EC1N 2ST

Site Reference

Nantwich

Sample Reference

AE-2

Material

Gas Sample: CO2

δ<sup>13</sup>C relative to VPDB

-12.2 %

Radiocarbon Age BP

 $3724 \pm 38$ 

N.B. The above <sup>14</sup>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 standard and blank and the random machine error.

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 Gordon.Cook@glasgow.ac.uk or telephone 01355 270136 direct line.

Charled and signed off by:- P. Naysmiles

Charled and signed off by:-

Date: 14-12-15

Date:- 14/12/15



