



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

$\delta^{13}\text{C}$ relative to VPDB -30.9 ‰

Radiocarbon Age BP 1138 \pm 38

N.B. The above ^{14}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. Naysmith*

Date :- 14-12-15

Checked and signed off by :- *E Dumber*

Date :- 14/12/15



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

$\delta^{13}\text{C}$ relative to VPDB -42.0 ‰

Radiocarbon Age BP 1190 \pm 38

N.B. The above ^{14}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.

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Conventional age calculated by :-

P. Naysmith

Date :- 14-12-15

Checked and signed off by :-

E. Dunbar

Date :- 14/12/15



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

δ¹³C relative to VPDB -14.9 ‰

Radiocarbon Age BP 3780 ± 38

N.B. The above ¹⁴C 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. Naysmith*

Date :- 16-12-15

Checked and signed off by :- *E. Dunbar*

Date :- 14/12/15



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

$\delta^{13}\text{C}$ relative to VPDB -12.2 ‰

Radiocarbon Age BP 3724 ± 38

N.B. The above ¹⁴C 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. Naysmith*

Date :- 14-12-15

Checked and signed off by :- *E. Dunbar*

Date :- 14/12/15