

Ancient Monuments Laboratory  
Report 52/92

THWING:  
CHARCOAL IDENTIFICATION

Rowena M O Gale

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Summary

Further samples of charcoal were identified and included the following genera: *Acer* sp. (maple), *Alnus* sp. (alder), *Betula* sp. (birch), cf. *Calluna* sp./*Erica* sp. (heather or ling), *Corylus* sp. (hazel), *Fraxinus* sp. (ash), Pomoideae which includes *Crateagus* sp. (hawthorn), *Malus* sp. (apple), *Pyrus* sp. (pear), *Sorbus* spp. (rowan, whitebeam and wild service tree), *Prunus* spp., including *P. avium* (wild cherry), *P. padus* (bird cherry), *P. spinosa* (blackthorn), *Quercus* sp. (oak), cf. *Sambucus* sp. (elder).

Author's address :-

Rowena M O Gale

Folly Cottage  
Chute Cadley  
ANDOVER  
Hants.  
SP11 9EB

THWING T76, T82, T83, T85, T87: CHARCOAL IDENTIFICATION

Further samples of charcoal (see also report 23/91) were examined and matched to authenticated reference material as listed below. Samples were prepared for examination as previously described. Every sample contained some very small fragments that contained insufficient diagnostic information to enable identification. Where possible, comments relating to the samples have been included.

T76 L4 NA Pre-rampart layer N of gate:

- 34 fragments *Acer* sp., maple;
- 33 fragments *Quercus* sp., oak, mainly branch/trunk, some very slow growing;
- 20 fragments Pomoideae, which includes *Crateagus* sp., hawthorn, *Malus* sp., apple, *Pyrus* sp., pear, *Sorbus* spp., rowan, whitebeam and wild service tree;
- 4 fragments *Corylus* sp., hazel;
- 2 fragments *Fraxinus* sp., ash;
- 2 fragments *Prunus* spp., including *P. avium*, wild cherry, *P. padus*, bird cherry, *P. spinosa*, blackthorn

T82 I13 <82> Pre-rampart surface between F42 FS: very little charcoal present, mostly minute fragments.

- 2 fragments - *Fraxinus* sp., ash, twiggy.

T83 J8 <373> Central hollow: Layer 2:

- 7 fragments *Quercus* sp., oak, stem;
- 6 fragments *Prunus* spp., including *P. avium*, wild cherry, *P. padus*, bird cherry, *P. spinosa*, blackthorn.

T83 J8 F14 KI <120> C14 dated sample:

- 41 fragments *Betula* sp., birch;
- 9 fragments *Corylus* sp., hazel;
- 4 fragments *Quercus* sp., oak.

T83 J10 F2 Layer 3. Charcoal from 4.3 L:

- 63 fragments *Fraxinus* sp., ash, mainly trunk/branch with some stem;
- 33 fragments *Quercus* sp., oak, mainly heartwood, some stem;
- 19 fragments *Prunus* spp., including *P. avium*, wild cherry, *P. padus*, bird cherry, *P. spinosa*, blackthorn;
- 4 fragments *Corylus* sp., hazel;
- 2 fragments *Alnus* sp., alder;
- 1 fragment cf. *Sambucus* sp., elder;
- 1 fragment bark, unidentified.

- T83 J10 F2 NW Quad. Layer 7. C14 dated sample:  
43 fragments *Fraxinus* sp., ash, stem;  
10 fragments *Prunus* spp., including *P. avium*, wild cherry, *P. padus*, bird cherry, *P. spinosa*, blackthorn, stem;  
2 fragments Pomoideae which includes *Crateagus* sp., hawthorn, *Malus* sp., apple, *Pyrus* sp., pear, *Sorbus* spp., rowan, whitebeam and wild service tree;  
1 fragment *Quercus* sp., oak.
- T83 J12 F6 (sandpit) SW Quad. Layer 2:  
A few minute fragments with insufficient diagnostic information to identify.
- T83 I8 <343> Central hollow. layer 2. Brown soil with chalk:  
A few minute fragments, impregnated with soil and with insufficient information to identify.
- T85 N8 F38 BAN. Charcoal sample from brown soil above natural circular area 15 cm diam. cont. burnt stone. F No (38) N:5.50 m E:7.30 m:  
26 fragments *Acer* sp., maple;  
12 fragments *Quercus* sp., oak;  
2 fragments *Fraxinus* sp., ash;  
1 fragment *Corylus* sp., hazel.
- T85 P7 F4 Charcoal from 3L soil:  
5 fragments cf. *Calluna* sp./ *Erica* sp., ling or heather, narrow stems;  
4 fragments *Quercus* sp., oak, heartwood, some slow-growing;  
2 fragments *Betula* sp., birch.
- T87 Q5 F1 L1 <238>:  
8 fragments cf. *Calluna* sp./ *Erica* sp., heather or ling, stem.