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### Article

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## Short article

# **Poulton, Cheshire: The investigation of a rural chapel in an evolving medieval landscape**

*Kevin Cootes, Janet Axworthy, Matteo Borrini, Rea Carlin, Joel Irish, David Jordan, Megan King, Hannah Russ, Rachel Swallow, Matt Thomas, Satu Valoriani, Father Terence Wilson, and Fiona Petchey*

*Editorial note: Our short articles are reserved for reports of major work in progress (whether field or research), comment on current philosophies or events, conservation issues, individual cases, etc. Unlike our main articles, they do not require as much contextual information or a review of the existing literature.*

*This article presents the results of the radiocarbon dating programme and interpretation of a medieval chapel and graveyard in Poulton, Cheshire. The structure was associated with a lost Cistercian Abbey of 12th-13th-century date, which was relocated to Staffordshire after c. 60 years. Extensive excavation has revealed a minimum of 783 interments, interpreted as the remains of the farming community who worked the land after the monks' departure. The role of the chapel within the early Cistercian landscape has proved enigmatic, although archaeological investigation has enabled a detailed understanding of the development of this ecclesiastical structure. The radiocarbon dating programme has revealed the chronology of the graveyard. By combining this new evidence with the historical record and archaeological data, an interpretation of the changing role of the chapel within the evolving medieval landscape is presented.*

### **Introduction**

If you were to visit the hamlet of Poulton in Cheshire, it would be difficult to envision that the settlement and its environs were once the focus of a short-lived Cistercian Abbey. Located eight km south of Chester (SJ 39535 58696), as shown in Figure 1, the modern settlement does, however, retain its medieval character. Farming and domestic buildings line a single road and are surrounded by an extensive agricultural field system. Topographically the area is unremarkable, except for its eastern and south-eastern limits. The eastern boundary is defined by the River Dee. It is in this area that the 55 acres of Chapel Field contain a prominent south-facing plateau (Cootes et al 2021b, 195-6), which drops to an extensive nutrient-rich floodplain (Furness 1978, 117). This lower area contains a second watercourse: the Old Pulford Brook, which

feeds into the river to form a prominent spur in the landscape. The brook also represents the boundary between England and Wales. Known ecclesiastical activity extends across the eastern portion of Poulton, including the foundations of a small medieval chapel and associated graveyard.

The focus of this article is to investigate the chapel and its changing role within the medieval landscape. The initial section outlines the aims and objectives of this study. A brief overview of the Cistercian Order follows, focusing on aspects of their practices which are relevant to this study. The historical context of medieval Poulton is then presented, providing a background to the abbey, chapel, graveyard, and the nature of settlement after the monks' relocation. This is followed by an exploration of results from archaeological investigations of Poulton chapel. Full details of the sampling strategy employed for the radiocarbon dating programme of the graveyard

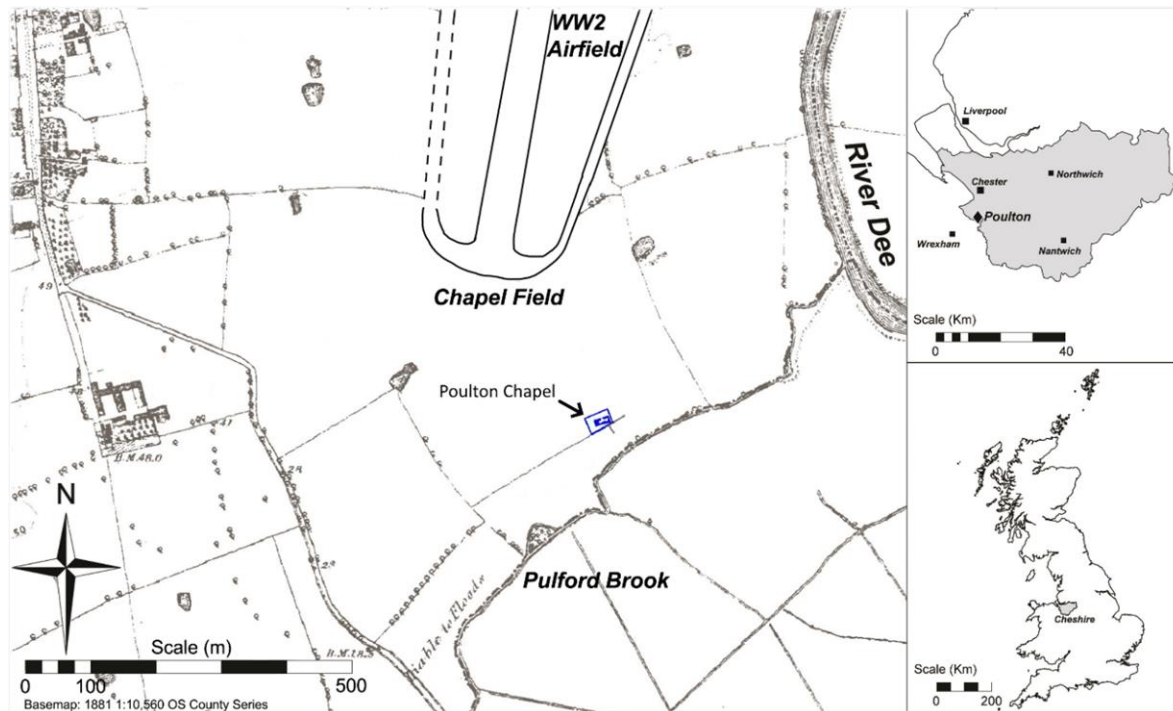


Figure 1 - Site of Chapel and Cistercian water engineering

interments is outlined in the ‘Methods and Materials’. In the discussion, the historical record, results from archaeological excavation, and radiocarbon dating programme are combined to produce an interpretation of the changing role of the chapel before, during and after monastic settlement at Poulton.

### *Aims and objectives*

The primary aim of this article is to reconstruct the foundation, development, and overall role of Poulton chapel within the Cistercian landscape. This has been accomplished by the radiocarbon dating of 21 skeletons from across the chapel graveyard. The evidence is combined with the results of previous research to answer a series of interrelated objectives, as outlined below.

- 1 – The primary objective is to establish an accurate chronology for the Poulton graveyard.
- 2 – Is there evidence of an early medieval presence in the burial record, or did the Cistercian monks Christianise a secular structure for their own religious purposes?
- 3 – Are any Cistercian monks from the pioneering community buried within the chapel graveyard?

4 - Could the chapel have been an oratory for the monks while the abbey church was being constructed? If so, when, and how did the chapel change in use?

### *The Cistercian Order*

In 1098, a group of monks led by Abbot Robert left the Burgundian Abbey at Molesme, France, in search of a simpler life of austerity and solitude. Determined to live by a strict interpretation of the Rule of St Benedict, the monks established a ‘New Monastery’ in the forested wilderness of Cistercium in Burgundy, taking their name from this site (Coppack 1998, 11, 16-18; Robinson 2006, 19-21).

Throughout the 12<sup>th</sup>-century, the Cistercian Order accomplished unparalleled success (Hill 1968, 11), with 340 houses established or absorbed across Europe by 1153. This reform movement emphasised poverty and simplicity in life, with physical separation from the outside world enabling the seclusion essential for true contemplation. The traditional view that new abbeys were only founded in isolated areas, however, (Coppack 1998, 1, 33; Robinson 2006, 19-31) was more idealised than practical. There was never a unified set of ideas defining the perfect location for an abbey.

Although there was a preference for valley locations, flat land and hills were equally viable alternatives. New foundations usually occupied areas already developed by their benefactors. Although existing populations could be displaced, many Cistercian houses retained good relations with the laity, including the anonymous poor. The monks were mentally rather than physically isolated from the outside world (Burton and Kerr 2016, 53-58, 150; Jamroziak 2013, 19, 115, 185).

Although there was variation in the topographical location of abbeys, the process for a new foundation followed a predetermined path laid out in legislation. They were primarily established as 'daughter houses' (Williams 2001, 12), which required a minimum of an abbot and 12 choir-monks' (Coppack 1998, 11-21). Before their arrival a series of temporary wooden buildings were provided, comprising a chapel (oratory), refectory, dormitory, guest house, and porter's cell, in addition to a complete set of books copied from the 'mother house'. Such preparations enabled the monks to immediately serve God. They would then begin the task of modifying the landscape and securing sufficient endowments to enable construction of the permanent buildings. Cistercian rules regarding the foundation of a new house therefore provide a framework for interpreting the landscape and structural remains they left behind.

#### ***Poulton Abbey, its landscape, and post-Cistercian activity***

The historical and archaeological record for medieval and Cistercian settlement at Poulton is extensive but incomplete. Poulton is recorded in the Domesday book of 1086 as a valuable manor held by Richard Pincerna (Richard the Butler) a tenant of the Anglo-Norman earl of Chester. Its strategic position on the Welsh border may have added to its value (Emery et al 1996, 6; Swallow and Thomas, 2015, 17-18). The presence of an earthwork interpreted as a probable Norman motte (now destroyed), provides further support for an 11<sup>th</sup>-century settlement (Swallow and Thomas, 2015, 30).

The Cistercian abbey at Poulton was founded during the so-called Anarchy of the 12<sup>th</sup>-century, when Earl Ranulph II of Chester was captured in AD 1146 by King Stephen's forces (Christie 1887, 21; Emery et al, 1996, 8). His butler (Robert Pincerna, a possible descendant of the Richard recorded in the Domesday Book), granted half the manor at Poulton to the Abbot of Combermere (Cheshire), to establish an abbey to pray for his health and safe return. His reasons for such an offer were possibly pragmatic, as regular attacks into

Cheshire by the neighbouring kingdom of Gwynedd made the area difficult to defend. The offer was accepted, however, and the charter endorsed at the latest by AD 1158, placing the foundation somewhere between the two dates (Ormerod 1882, ii 861; Duggan & Greenslade 1970, 230; Emery et al 1996, 8).

Combermere Abbey had originally been a Savigniac House, comprising another reform movement of the 11<sup>th</sup>-century. In 1147 (shortly before the foundation at Poulton) they were absorbed into the Cistercian Order (Burton and Kerr, 2016, 40), adopting a shared monastic observance, liturgy, and spirituality. The General Chapter, however, allowed their unique economic practices to continue (Jamroziak, 2013, 50). The abbey at Poulton, therefore, would have comprised a fusion of Cistercian and Savigniac ideals, but still subject to the requirements for any new foundation. This would have included the provision of a temporary church and accommodation for the monks upon their arrival (Jamroziak, 2013, 43).

Poulton Abbey quickly became one of the leading landowners in Cheshire (Emery 2000, 3; Emery et al 1996, 63-80). The monks were not without problems, however, due to regular attacks by the neighbouring Welsh of Gwynedd (Ormerod, 1882, ii 861; Sleight, 1883, 38; Baugh et al 1970, 230-5). In 1214 they seized the opportunity to change location, when Ranulph de Blundeville (Earl of Chester) granted land at Dieulacres in Staffordshire to establish a new abbey. This move may have taken several years, as the foundation stone was not laid until 1220. Poulton remained in the ownership of Dieulacres until it was dissolved in 1538 (Baugh et al, 1970, 230-5; Emery et al, 1996, 9).

The location of the abbey complex at Poulton has yet to be confirmed, as no standing remains exist. Even in the absence of the cloistral complex, however, it is possible to partially reconstruct the Cistercian landscape (Fig 1). Monastic exploitation of the floodplain is evident in the diversion of the Old Pulford Brook, with an artificial island and fishponds located upstream, the former possibly serving as a water mill (Emery 2000, 16; Anon, 2007, 7).

The grange was located c. 800m to the north-east of the Old Pulford Brook, being first recorded in 1201 (Canivez 1933-41, 268-9). Post-abbey settlement at Poulton continues to be recorded throughout the 13<sup>th</sup>-15<sup>th</sup> centuries. Notably, a document dated to 1217, mentions the name 'Little Poulton', suggesting a dispersed rather than nucleated settlement (Emery et al 1996, 10, 71)

### *The archaeology of Poulton Chapel*

The foundations of Poulton Chapel are located at the southern limit of Chapel Field (SJ 40092 58513), near the edge of the plateau, overlooking the floodplain to the south (Fig 1). The building and its associated graveyard have been the focus of intense archaeological investigation since 1995, revealing a complicated sequence of activity spanning over 1,500 years. The earliest record of this structure dates to 1250, comprising a certificate of the abbot of Dieulacres that the chapel will not prejudice the mother church (Ormerod 1882, 865). This document dates to over a generation after the relocation of the abbey. The chapel was used by local villagers as a place of worship and in its 13<sup>th</sup>-century form, was a small, single celled affair. It was converted into a tripartite structure in the late 15<sup>th</sup>-century, with the addition of a tower and chancel at its west and eastern ends. This work coincided with the arrival of the Manley family, who used the site for their worship and burial. The sandstone blocks in the later phase were reused from an earlier structure and demonstrated a higher quality of craftsmanship than the smaller building. It has been suggested these blocks may have derived from the abbey itself. Historical records reveal that the chapel was ruinous by 1672, with all surface remains removed by 1718 (Emery et al 1996, 9-12, 60; Emery et al 2000, 19).

Systematic investigation of the chapel graveyard has revealed that the interments are consistent with this being the final resting place of the farming laity who worked the land after the monk's departure (Emery et al, 2000, 19). By 2021, a minimum of 783 individuals have been recovered, with the overwhelming majority (778) following the standard west-east orientation of later medieval Christian burial. Graves were laid out in multiple rows with no evidence for markers or zoning according to age and sex. In common with the mortuary practices of the period, the graveyard was continually reused, severely truncating

the earliest rows and redepositing bones within later graves (Gilchrist 2012, 200-201; Orme 2001, 120).

Prior to this study, five AMS radiocarbon dates were obtained from the Poulton burials (Cootes et al, 2021a, 5; Burrell et al 2019, 8; Davenport 2018, 167-8). They were generally selected in an *ad hoc* manner to date specific interments, rather than provide an overall chronology of the Poulton graveyard. When combined, these dates reveal that the burial ground was in use from at least the 14<sup>th</sup>-17<sup>th</sup> centuries, with four of the results clustering around the 14-15<sup>th</sup> centuries, as shown in Table 1. All dates are presented at the 95% probability range.

During the investigation of the graveyard, evidence emerged for settlement on the site of the chapel which pre-dated the historical record by over a thousand years. A large and varied assemblage of redeposited finds were recovered from across the graveyard, attesting to Roman habitation dating from the 1<sup>st</sup>-4<sup>th</sup> centuries AD. Further investigation of the northern and eastern portions of the graveyard revealed a series of ditches and pits of the same date, sealed beneath the medieval interments. The remains of a small oven outside the wall of the nave produced a radiocarbon date of cal AD 243-381 at 95% probability (SUERC-94190). The combined evidence indicates a structure dating to the first half of the first millennium AD existed on the site of the chapel. The record for early medieval activity, however, is more ambiguous. Several hundred fragments of 10<sup>th</sup>-century pottery and occasional dress accessories have been recovered from redeposited contexts. Although such an assemblage is indicative of settlement, the absence of stratified deposits complicates interpretation.

In the southern area of the graveyard, a stone-lined pit comprised the sole archaeological feature within the chapel area which dates to the Cistercian presence in Poulton. The pit contained domestic hearth

Skeleton Number	Radiocarbon 95% prob. range	Radiocarbon Age (BP) (where available)	Lab Code
<b>Skeleton 53</b>	1450-1600		Beta-337188
<b>Skeleton 463</b>	1350-1385	680±30	Beta-425289
<b>Skeleton 535</b>	1350-1390		Beta-337189
<b>Skeleton 750</b>	1340-1395	640±30	Beta-425290
<b>Skeleton 953</b>	1307-1421	569±26	SUERC-82086

Table 1  
Previous radiocarbon dates of skeletons from the Poulton graveyard

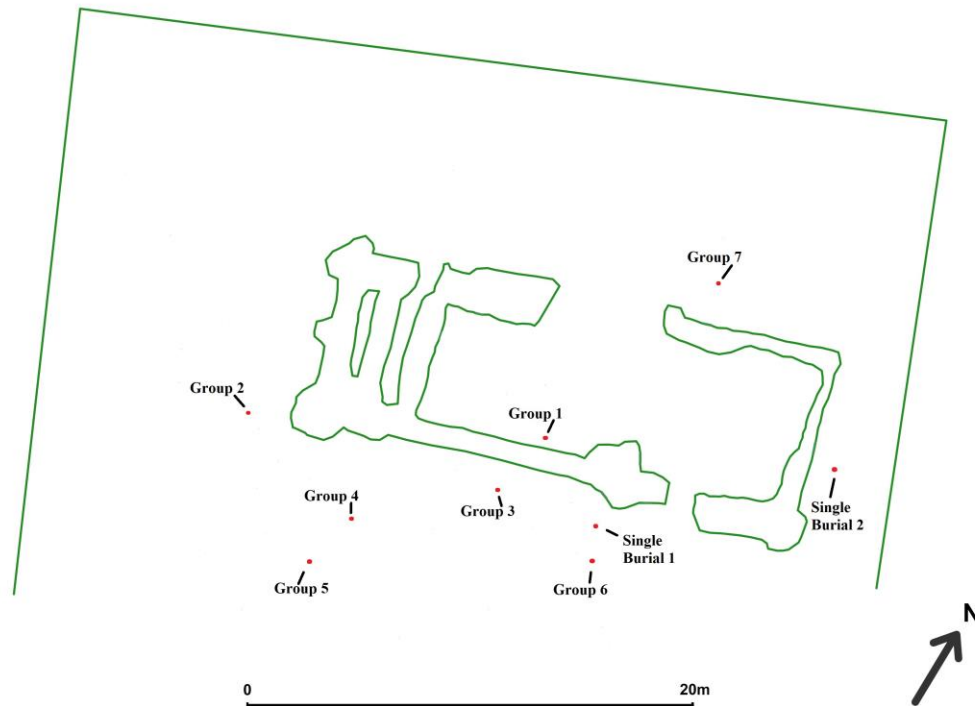


Figure 2

*Location of group and single burials for radiocarbon dating*

waste, sealed by sandstone building material and small boulders. AMS radiocarbon dating established a range of cal AD 1038-1203 at 95% probability (SUERC-87141) but was refined to the time of the abbey by diagnostic pottery fragments contained within the fill. The siting of the feature in a visually commanding position, overlooking the floodplain, presented the possibility that it was the foundation for a Christian cross (Cootes et al, 2021b, 195-200).

When the archaeological and historical evidence for activity at Poulton chapel are combined, the overall picture is unclear. Continuity across the 1<sup>st</sup> and 2<sup>nd</sup> millennia is indicated by diagnostic material culture, yet the Roman phases appear domestic in nature. In comparison, the Saxon Period is enigmatic, being represented by redeposited material. The Cistercian presence is frustratingly attested by a single feature, yet at some point this site became the focus for a chapel and secular graveyard. An accurate date for the origins of the burial ground is vital for establishing the role of the ecclesiastical structure in the early monastic landscape.

### ***Materials and methods***

Bone samples from 21 skeletons were selected for Accelerator Mass Spectrometer (AMS) radiocarbon dating at the University of Waikato, New Zealand, following the methods outlined in Petchey et al (2014) and van Klinken (1999). Samples were selected from the Poulton collection to represent the earliest and latest interments from across excavated areas of the chapel graveyard. Single and double burials were included where intercutting relationships could not be established. Male, female, and juvenile skeletons were sampled. Each burial was numbered individually at time of excavation, but for the purposes of this study have been additionally labelled by stratigraphic group. Their distribution and details are shown in Figure 2 and Table 2. Groups 1, 3, 5, and 6 comprised intercutting burials whose order could be stratigraphically established. Groups 2, 3, 4, 6, and 7 contained double burials. Groups 3 and 6 were notable in containing both double burials and a stratigraphic relationship with a third interment, with the latter shown in Figure 3. An example of a double burial is shown with Group 7 in Figure 4.

	68% prob. Range	Conventional Radiocarbon Age (BP)	95% prob. Range	Lab. No.
<b>Group 1: Chapel Nave</b>				
<b>Skeleton 82</b>	1210-1260	832 ± 16BP	1170-1270	Wk52980
<b>Skeleton 83</b>	1490-1630	342 ± 17BP	1470-1640	Wk52981
<b>Skeleton 84</b>	1520-1640	318 ± 15BP	1500-1640	Wk52982
<b>Group 2: Western Graveyard</b>				
<b>Skeleton 183</b>	1430-1460	455 ± 13BP	1420-1460	Wk52984
<b>Skeleton 184</b>	1430-1450	466 ± 13BP	1420-1460	Wk52985
<b>Group 3: Southern Graveyard</b>				
<b>Skeleton 435</b>	1290-1390	646 ± 14BP	1290-1390	Wk52986
<b>Skeleton 441</b>	1410-1440	500 ± 14BP	1400-1440	Wk52987
<b>Skeleton 451</b>	1420-1450	475 ± 16BP	1420-1450	Wk52988
<b>Skeleton 452</b>	1450-1610	382 ± 14BP	1450-1620	Wk52989
<b>Group 4: South-western Graveyard</b>				
<b>Skeleton 820</b>	1400-1420	542 ± 14BP	1320-1430	Wk52996
<b>Skeleton 821</b>	1400-1420	542 ± 14BP	1320-1430	Wk52997
<b>Group 5: South-western Graveyard</b>				
<b>Skeleton 695</b>	1390-1420	548 ± 14BP	1320-1430	Wk52994
<b>Skeleton 694</b>	1450-1620	382 ± 17BP	1450-1630	Wk52993
<b>Skeleton 670</b>	1490-1620	342 ± 13BP	1480-1640	Wk52990
<b>Group 6: Southern Graveyard</b>				
<b>Skeleton 913</b>	1300-1390	642 ± 13BP	1290-1400	Wk52998
<b>Skeleton 914</b>	1290-1390	651 ± 13BP	1290-1390	Wk52999
<b>Skeleton 915</b>	1320-1420	560 ± 14BP	1320-1420	Wk52600
<b>Group 7: Northern Graveyard</b>				
<b>Skeleton 691</b>	1300-1390	630 ± 13BP	1290-1400	Wk52991
<b>Skeleton 692</b>	1300-1400	625 ± 13BP	1290-1400	Wk52992
<b>Individual burials</b>				
<b>Skeleton 112</b>	1520-1640	312 ± 12BP	1510-1650	Wk52983
<b>Skeleton 705</b>	1520-1640	309 ± 14BP	1510-1650	Wk52995

Table 2

## Radiocarbon dating results before Bayesian modelling

The system employed for the labelling of interments requires clarification, as the 'minimum number of individuals' (MNI) of 783 represents human remains that demonstrated at least partial articulation. During excavation, however, skulls and near complete juvenile remains which had been redeposited in grave fills were assigned their own skeleton number. This produced a total significantly higher than that of the MNI, the

latter being established during post-excavation analysis.

After the radiocarbon dates were obtained, a Bayesian Sequence Analysis was developed to provide a temporal outline for Poulton, whereby radiocarbon ages were constrained by prior stratigraphic information (Bronk Ramsey, 2009). The dates were grouped into individual sequences depending on the recognised relationship between burials. As no

	Modelled 68% prob. range		Modelled 95% prob. range	
<b>Group 1: Chapel Nave</b>				
<b>Skeleton 82</b>	1240	1270	1220	1270
<b>Skeleton 83</b>	1480	1520	1460	1560
<b>Skeleton 84</b>	1510	1570	1500	1600
<b>Group 2: Western Graveyard</b>				
<b>Skeleton 183</b>	1430	1450	1430	1460
<b>Skeleton 184</b>	1430	1450	1420	1450
<b>Group 3: Southern Graveyard</b>				
<b>Skeleton 435</b>	1360	1390	1290	1400
<b>Skeleton 441</b>	1420	1440	1410	1440
<b>Skeleton 451</b>	1420	1440	1420	1450
<b>Skeleton 452</b>	1450	1490	1450	1510
<b>Group 4: South-western Graveyard</b>				
<b>Skeleton 820</b>	1400	1420	1390	1430
<b>Skeleton 821</b>	1400	1420	1390	1430
<b>Group 5: South-western Graveyard</b>				
<b>Skeleton 695</b>	1400	1420	1390	1430
<b>Skeleton 694</b>	1450	1490	1450	1510
<b>Skeleton 670</b>	1480	1530	1470	1610
<b>Group 6: Southern Graveyard</b>				
<b>Skeleton 913</b>	1300	1390	1290	1400
<b>Skeleton 914</b>	1360	1390	1290	1390
<b>Skeleton 915</b>	1390	1420	1320	1420
<b>Group 7: Northern Graveyard</b>				
<b>Skeleton 691</b>	1300	1390	1290	1400
<b>Skeleton 692</b>	1300	1390	1290	1400
<b>Individual burials</b>				
<b>Skeleton 112</b>	1520	1570	1510	1640
<b>Skeleton 705</b>	1520	1570	1500	1640

Table 3

Calibrated earliest to latest date range per burial after application of the Bayesian model at 68% probability range and 95% probability range

stratigraphic relationship was identified between the groups, the sequences were modelled as overlapping within a more extensive burial ground phase. The historical information regarding the chapel has also been incorporated into the model; the *terminus ante quem* and *terminus post quem* ('before' and

'after' constraints in OxCal) set the parameters between which the calibrated age range of the cemetery must occur. All radiocarbon dates were calibrated using the IntCal20 (Reimer et al, 2020) calibration curve in OxCal v4.4 (Bronk Ramsey, 2009).



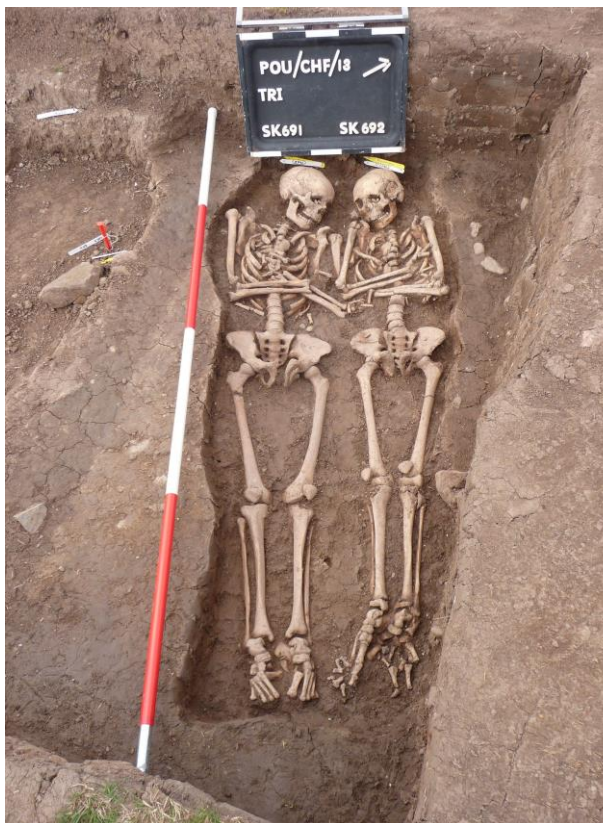


Figure 3

*Double burial of Skeletons 691 and 692 (Group 7)*



Figure 4

*Skeleton 915, cutting double burials of Skeletons 913 and 914 (Group 6)*

### **Results**

Analysis of the bone from the Poulton skeletons indicated all were well preserved, with every sample producing an AMS radiocarbon age and calibrated date, as shown in Table 2. The refined dates from the Bayesian model (Table 3) are consistent with continual use of the

### **Discussion**

The AMS radiocarbon dating programme and Bayesian modelling has provided a framework with which to interpret the changing nature of activity on the site of Poulton Chapel before, during, and after the Cistercian foundation. All areas of the graveyard (including the interior of the chapel) were represented in this study.

At the basic level of interpretation, the 21 radiocarbon dates have produced a chronology which agree with, and expand upon, the five results obtained prior to this study. Taken as a group, the

chapel burial ground since the early 1200s, as indicated by Skeleton 82. Most of the Poulton skeletons date to the late 14<sup>th</sup> to mid 15<sup>th</sup> centuries. Several individuals appear to have been buried in the late 15<sup>th</sup> to late 16<sup>th</sup> centuries and may be related to the leasing of the chapel and land to the Manley family. Skeleton 694 may also belong to this period of activity.

Bayesian modelling indicates that the graveyard dates from the early 13<sup>th</sup> to 16<sup>th</sup> centuries. The oldest interment, Skeleton 82, belongs to the early years after the abbey relocated to Dieulacres. Use of the burial ground appears to have been at its height during the late 14<sup>th</sup> to mid 15<sup>th</sup> centuries. The late 15<sup>th</sup>/late 16<sup>th</sup> century examples support the historical record, as the chapel was in a ruinous state by the late 17<sup>th</sup> century. As all sampled skeletons are dated after 1214, it is unlikely that any of these burials comprise the remains of monks, although future expansion of the radiocarbon dating programme may reveal such interments. Once the abbey church and cloistral complex were under

construction, however, this site would not have been used for their interment. Similarly, there is no evidence that the chapel area was an ecclesiastical site in the early medieval period or used as a burial ground. The sample of 26 radiocarbon dates out of nearly 800 interments is suggestive rather than definitive, but the possibility of monk burials from before the abbey proper was constructed cannot be discounted. When the assemblage of 10<sup>th</sup> century pottery is combined with the historical evidence, significant secular activity is indicated, however, its nature has yet to be established.

When the radiocarbon dating programme is combined with the archaeological and historical record, a deeper but tentative level of interpretation beyond simple chronology is possible. The Roman features and residual early medieval assemblage indicate that there was settlement on the site of the chapel for over a millennia before the arrival of the Cistercians. The structure located on this site could have been converted into an oratory upon the monks' arrival. This would have enabled their efforts to be focused on modifying the landscape and securing sufficient endowment to stabilise this new Daughter House. The topographical setting was also ideal and would have established the monks' initial place of worship as visually impressive in the local landscape. The stone lined pit could be the foundation for a Christian cross, but certainly attests to monastic activity.

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Janet Axworthy is a local Councillor and Chairman of Hawarden Community Council, formerly member of the North-Wales Community Health Board. She is a Vice President and previous Chairman of the Chester Archaeological Society. Author of numerous

The success of the Poulton monks would have eventually enabled them to build the stone abbey and cloistral complex in a nearby location. Their initial oratory was already sanctified and could quickly be repurposed into a gatehouse chapel. By providing a place of worship for guests/visitors which was separate from the monastic community, the monks would remain undisturbed and able to fulfil their vows by worshipping in isolation.

In 1214, everything changed when a new foundation charter necessitated the relocation of the monastic community to Dieulacres in Staffordshire. Poulton remained in the ownership of the abbey, becoming a centre for agriculture which produced significant revenues from its grange. The lay folk who farmed the land for the monks after their departure would have required their own place of worship. The chapel again fulfilled the changing needs of the local community, serving as their burial ground for the next several centuries.

In conclusion, when the varying avenues of evidence are combined, the significance of this small structure within the Cistercian landscape becomes apparent. The chapel bears testament to over 1,500 years of history, whereby pre-Cistercian activity, the monastic landscape, and later medieval farming population are all represented. Until the location of the abbey complex is identified, this is the closest we can get to the history of the monks who left Combermere in the mid-12<sup>th</sup> century.

local and nationally published archaeological reports, she is finds illustrator and specialist for the Poulton Research Project.

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