

TITLE Identification of Inlay and Mineral Preserved Organic Material on
Sword Pommel from Acomb, York. AML site No 1757.

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ABSTRACTS

Identification report.

KEYWORDS

Sword, hilt, pommel mounts, inlay, silver, mineral preserved,
horn, Anglo-Saxon, Trewhiddle type, C9th.

THIS REPORT IS Level III

THE INFORMATION IN THIS REPORT IS PROVIDED ON THE UNDERSTANDING THAT ITS
AUTHOR WILL BE CONSULTED IF THE INFORMATION IS TO BE EDITED FOR ANY
FURTHER PUBLICATION. SUCH CONSULTATION SHOULD ALSO INCLUDE PROVISION OF
PROOFS FOR CHECKING AT ALL STAGES IRRESPECTIVE OF WHETHER ALTERATIONS HAVE
BEEN MADE TO THE ORIGINAL TEXT, AS WELL AS FORMAT, LAYOUT, AND FRAMEWORK
WITHIN WHICH ANY CONDENSED VERSION IS TO APPEAR, ESPECIALLY IF ATTRIBUTION IS
TO BE MODIFIED.

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MATERIAL IRON

SITE: ACOMB, YORK (DATE:

SHEET:¹.....


AM No	SEM Stub	Photo No	Description and Report	Ref No
840112			<p>Iron pommel with non-ferrous metal inlay and mount of Trehwiddle type.</p> <p>Both the mount and inlay were fairly pure silver of the same composition, to the accuracy limits of the X-ray fluorescence technique used. Small amounts (about 1-2% or less) of copper, gold and lead were also present. A sample of the black deposit was taken from the inlay but no evidence of niello was found by X-ray diffraction.</p> <p align="right">P.Wilthew</p>	AZ 34
	A400	113:9,10	<p>Mineral preserved organic material found on the small section of grip beneath the pommel, appears to be horn.</p> <div data-bbox="724 1464 1215 1883" data-label="Image"> <p>This is a scanning electron micrograph (SEM) showing a highly textured, irregular surface. The surface appears to be composed of many small, overlapping, and somewhat crystalline or fibrous structures, which is characteristic of organic material like horn preserved in mineral. The lighting creates strong highlights and shadows, emphasizing the three-dimensional nature of the surface.</p> </div> <p>113:10. SEM photograph of horn preserved on grip. Mag. c.100x.</p>	

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MATERIAL IRON

SITE: ACOMB, YORK (DATE:

SHEET: 2

AM No	X-Ray No	Photo No	Description and Report	Ref No
			 <p>113:9. SEM photograph of horn. Mag. c.300x.</p> <p>J. Watson</p>	