

K1581 Condition Report

Conservation Started: 13/6/13

Conservation Finished: 13/6/13

Conservator: Deborah Magnoler

Time Taken: 1.5 hr

Including digital photography, report, conservation and packing.

Dimensions: (L) 7 mm (W) 3 mm (Th) 1.5mm

Weight before: 0.04g

Weight after: 0.04g

Catalogue number: 691

Digital photography:

Taken with a Canon EOS digital camera under daylight bulbs and Photomicrographs taken using Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification.

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

Highly corroded fragment of what appears to be copper alloy. The fragment is decorated with a ribbed pattern and has a flat back.

Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

Highly corroded and of a green colour. The ribbed pattern is partially worn down. Brittle and fragile.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, cotton wool swabs, cocktail stick.

The granular soil on the front and back was mechanically removed or reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. IMS was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

Possible corrosion products were left in situ; corrosion was not active and can be further cleaned or stabilised at a later date.

A storage box padded with white polyethylene foam was made for housing the object. A strip of Tyvek (spun bound polyethylene fibres) was used as a cushion for the object and to help lift it out of the foam.

Post-Conservation Condition/Findings: see pre-conservation reports.

Samples:

None – insufficient soil.