

## K155 Condition Report

**Conservation Started:** 29/1/13

**Conservation Finished:** 29/1/13

**Conservator:** Deborah Magnoler

**Time Taken:** 1 hr 30 minutes

Including digital photography, report, conservation and packing.

**Dimensions:** (L) incomplete 26.5 mm (W) incomplete 12 mm (Th) <0.5mm

**Weight before:** 0.69g

**Weight after:** 0.67g

**x-ray plate:** L62

**Catalogue number:** 296

### **Digital photography:**

Taken with a Nikon Coolpix 4500 digital camera, under daylight or bulbs and Meiji Techno RZ Stereo microscope with an Infinity 1 camera (with analyses capture software) and fibre optic lights, 7-75x magnification. Taken before, during and after.

**X-ray:** L62

### **Annotation on any of the storage bags or boxes:**

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

Thin plain fragment, broken on all sides. Probably the end of a sword plate. The remains of a circular beaded wire stone or nail boss setting are present at one end. There is a hole adjacent to this setting, that could have been additional to the nail hole within the setting. This extra hole is crudely cut out. The object is now flattened, but there is a crease along its entire length that may suggest it had a 45 degrees edge.

### **Associated Objects:**

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

Partial, tarnished and bent, the objects bears deep, multiple scratches which do not appear recent. The area around the setting is particularly affected, by tears and criss-crossed scratches.

**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 & 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 or water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

Oxidation products were left in situ; this can be further cleaned at a later date.

The paper K number was adhered to the back with HMG brand Paraloid B72 (ethyl methacrylate copolymer) from the tube, applied with a cocktail stick.

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 condition

**Key Features:**

- Fragment of a hilt plate
- Partial stone or boss setting
- Peculiar extra hole.

**Analysis Undertaken:**

XRF analysis of the object was performed. See document 'XXXX XRF Report'.

**Samples:**

1. soil from the front and back