

# Remember

## 创忆遗产 数字经济

### Heritage-driven Economy

2018 / 9 / 12 - 9 / 16 北京 · 清华大学  
Tsinghua University, Beijing

# CHCD2018 SYMPOSIUM

The 5<sup>th</sup> International Symposium on Cultural Heritage Conservation and Digitization

## 第五届文化遗产保护与数字化国际论坛

## Research Infrastructures for Digital Heritage: Challenges of Preservation and Access

Professor Julian Richards / University of York, UK

## *Lecture outline*

- Challenges of Preservation and Access:
  - Digital Preservation
  - Resource Discovery and Interoperability – finding & joining up fragmented and diverse data sets
  - Political (& Economic) Context of Open Data
- Research Infrastructures:
  - UK: Archaeology Data Service
  - Europe: ARIADNE, E-RIHS

## *Digital Preservation Challenges:*

- Digital data are fragile
- They are often still archived as objects rather than computerised information
- Defining digital data standards
- What are the significant properties of our data?



# Digital Data and Archaeology

- Archaeology is **destructive**
- Comprehensive records of field work are imperative

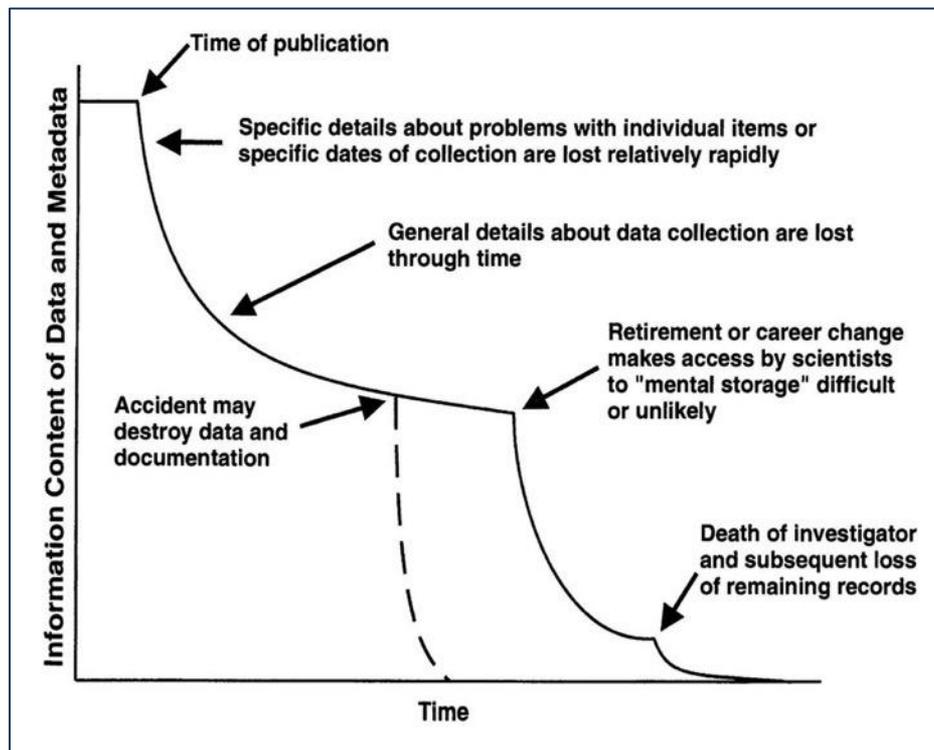


## Media Types

- Experience rapid change

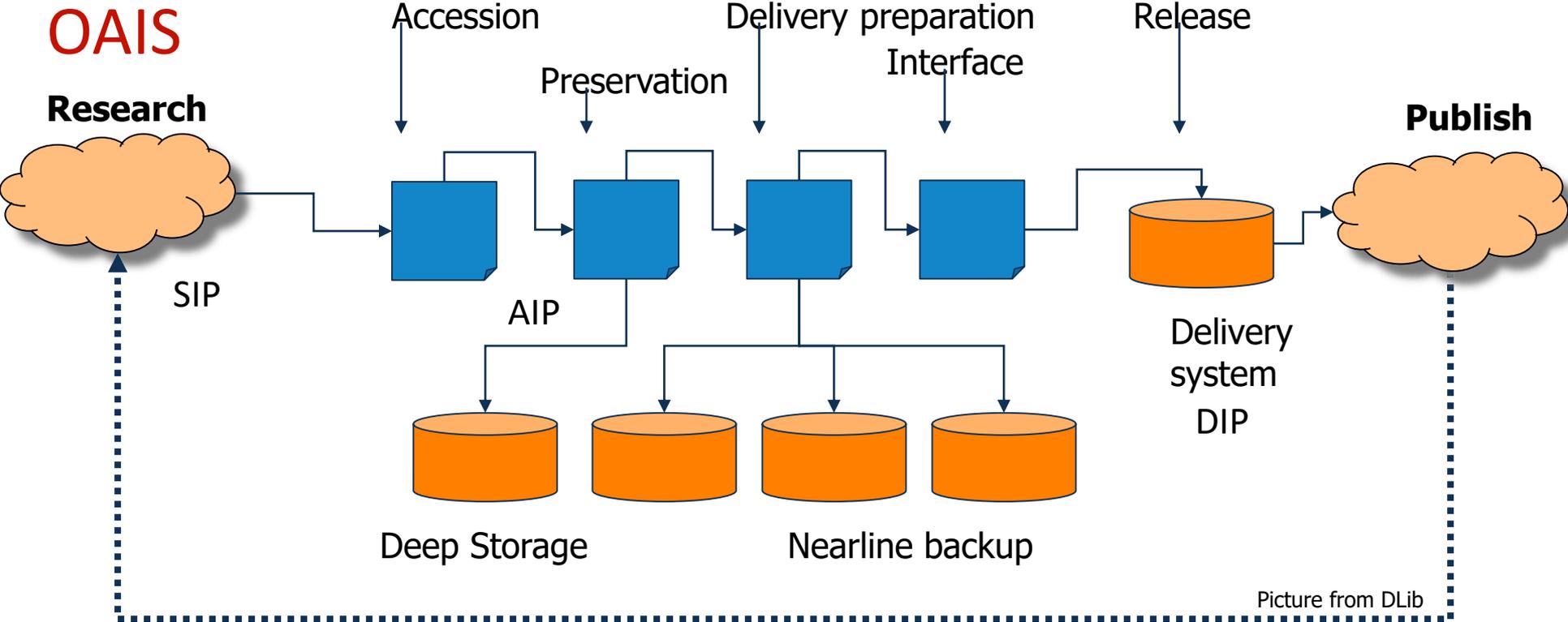


# Information Entropy



Michener, W.K., Brunt, J.W., Hell, J.J., Kirchner, T.B. and Stafford, S.G. 1997. Nongeospatial Metadata for the Ecological Sciences. *Ecological Applications*. 7: 330-342.

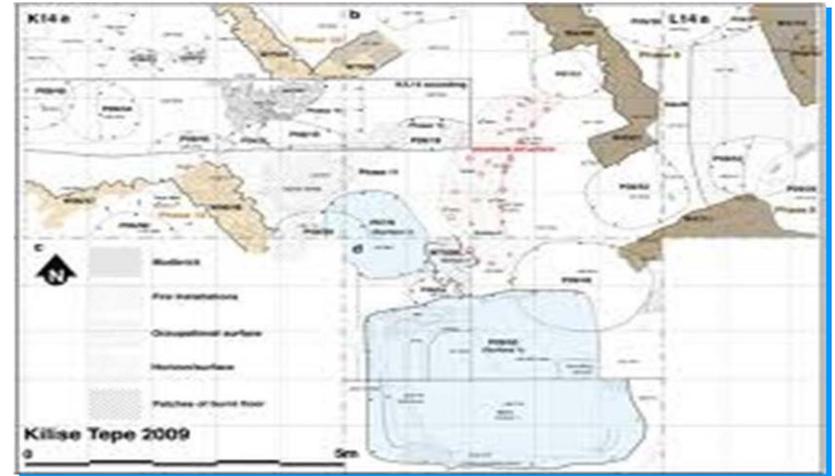
# Trusted Digital Repositories: NASA - Open Archival Information System



Picture from DLib

# Digital Data and Archaeology

- Published data are limited
- Majority of data recorded in grey literature
- Data are not easily searchable
- Access to data is difficult



# G8 Open Data Charter 2013

Policy paper

## G8 Open Data Charter and Technical Annex

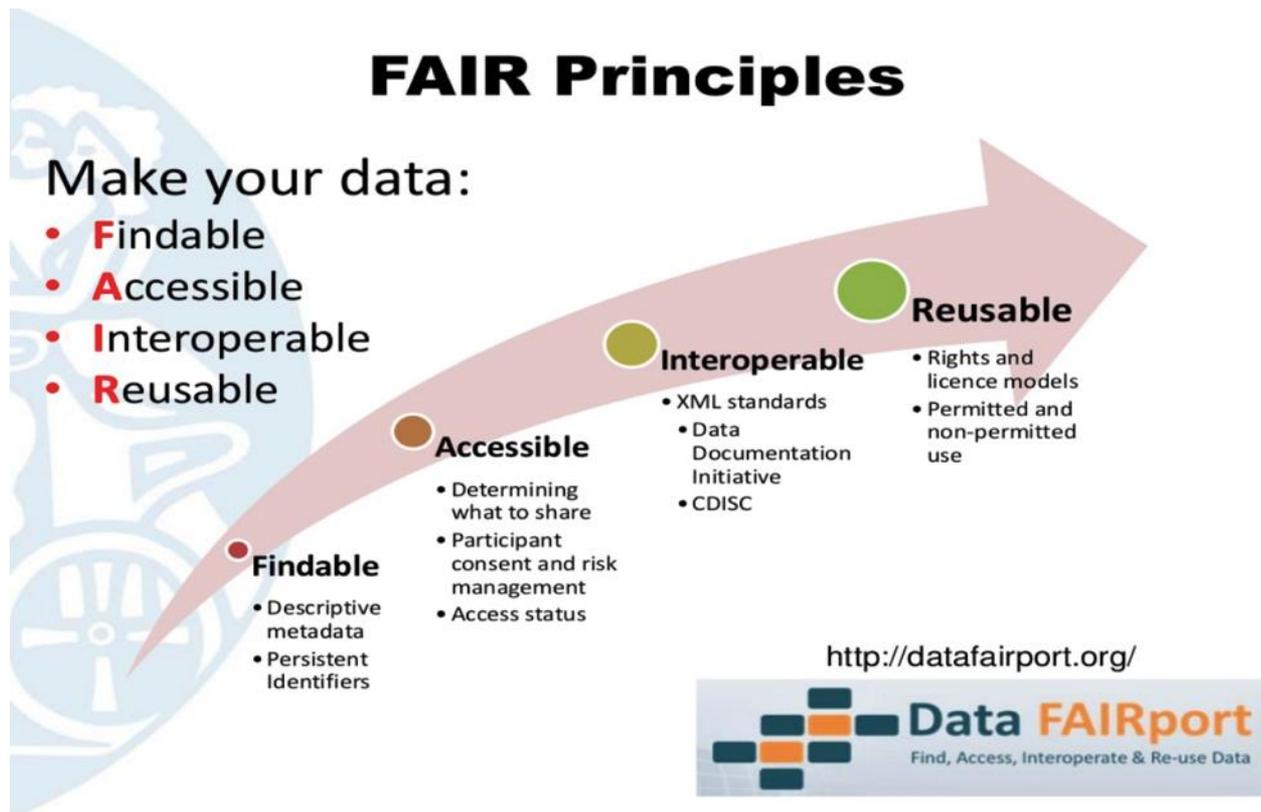
Published 18 June 2013

“a new era in which people can use open data to generate insights, ideas, and services to create a better world for all.”

1. Open Data by Default
2. Increase Quality and Quantity for re-use
3. Usable by All
4. Releasing Data for improved Governance
5. Releasing Data for Innovation

# FAIR principles

- 2014: Leiden workshop
- Sept 2017: endorsed by G7 Science Ministers, Turin



# The Archaeology Data Service

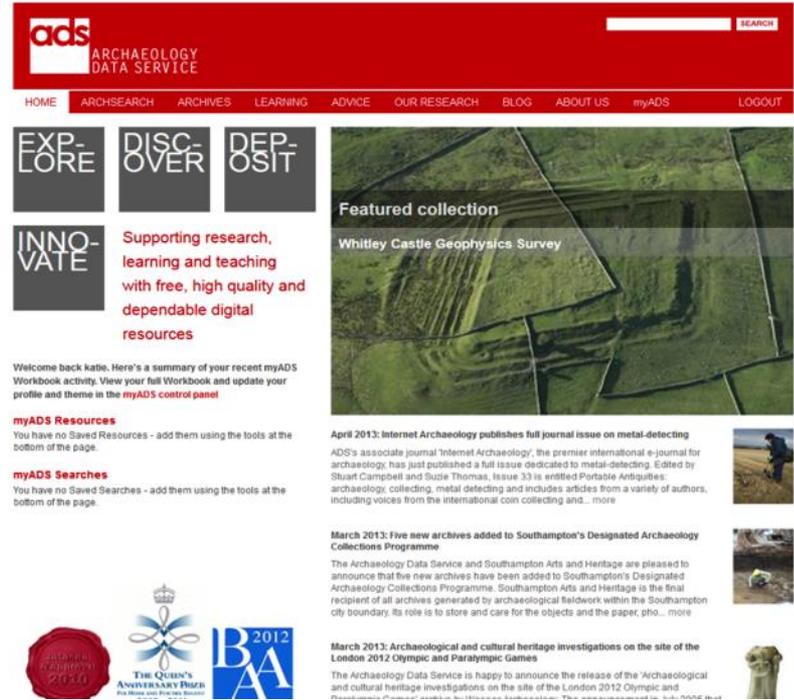
- Set up in 1996
- Based within the University of York
- 12 staff
- Business model based upon charging policy
- Trusted Digital Repository: Data Seal of Approval
- Received Digital Preservation Coalition's Decennial Award in 2012
- Oct 2016: 12Tb; 2,143,497 **files**; 21,327 recorded **processes**



# The Archaeology Data Service

“Supporting research, learning and teaching with free, high quality and dependable digital resources”

- Collects and preserves datasets
- Provides easy and free access to datasets
- Provides guidance and support to data creators



The screenshot shows the homepage of the Archaeology Data Service. At the top is a red navigation bar with the 'ads' logo and a search box. Below the navigation bar are three main sections: 'EXPLORE', 'DISCOVER', and 'DEPOSIT'. The 'DISCOVER' section features a 'Featured collection' titled 'Whitley Castle Geophysics Survey' with an aerial image of the site. Below this are several news items: 'Welcome back Katie', 'myADS Resources', 'myADS Searches', 'April 2013: Internet Archaeology publishes full journal issue on metal-detecting', 'March 2013: Five new archives added to Southampton's Designated Archaeology Collections Programme', and 'March 2013: Archaeological and cultural heritage investigations on the site of the London 2012 Olympic and Paralympic Games'. At the bottom, there are logos for the British Archaeological Association (BA) 2012 and the Queen's Anniversary Prize.

# Guides to Good Practice

- GIS
- CAD
- Geophysics
- Aerial photography and Remote Sensing
- Marine survey
- Laser scanning
- Photogrammetry
- UAV survey



## Archaeology Data Service / Digital Antiquity Guides to Good Practice

Log in

---

- Home
- Full Table of Contents

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- **Digital Archiving**
  - About these Guidelines
  - How to use these Guides
  - What is Digital Archiving?
  - Archival Strategies

---

- **The Project Lifecycle**
  - Planning for the Creation of Digital Data
  - Project Documentation
  - Project Metadata
  - Data Selection: Preservation Intervention Points
  - The Project Archive: Storage and Dissemination
  - Copyright and Intellectual Property Rights

---

- **Basic Components**
  - Documents and Texts

This new and revised series of Guides to Good Practice have been produced as the result of a two-year collaborative project between the UK Archaeology Data Service and Digital Antiquity in the US. The project has encompassed important revisions of the existing six ADS *Guides* as well as the development of entirely new documents covering areas such as marine survey, laser scanning, close-range photogrammetry, digital audio and digital video. The project has involved previous Guides authors revising existing content alongside new authors, from both Europe and the US, also contributing to the development of the guides into new themes and areas.

The project has been undertaken in collaboration with the Digital Antiquity initiative, a US-based project with the aim of enhancing the preservation of and access to digital records of archaeological investigations. A major aim of the Guides is to provide the basis for archaeological project workflows that will create digital datasets that can be archived and shared effectively by Digital Antiquity's tDAR archive and repository in the US and by the Archaeology Data Service in the UK. The development of the *Guides* involves close collaboration with teams in the US at both the University of Arkansas and Arizona State University.

Other ADS projects have also fed into the revision and development of the Guides. ADS involvement in the European VENUS project has formed the basis of a guide focussed on marine survey. In addition, the incorporation of findings from the ADS Big Data project, together with the revision of the existing guide on aerial photography and remote sensing data, has seen a significant contribution to the guides from English Heritage funded projects.

Previous versions of the ADS/AHDS Guides to Good Practice have been archived and are still available on the old Guides to Good Practice page.

[View the full new Guides to Good Practice Table of Contents](#)











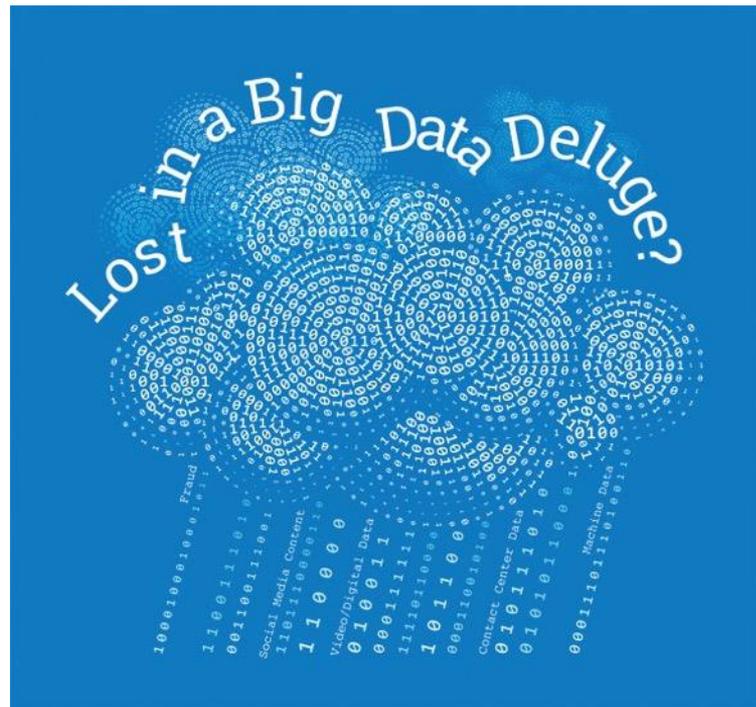






## *Digital Access Challenges:*

- Finding and joining up fragmented datasets
- Interoperability
- Lack of data standards
- Need for controlled vocabularies
- Permanence – Digital Object Identifiers (DOIs)
- Identifying quality data
- Making heritage data visible for the creative sector



## NEW ONLINE EXHIBITION

### The Wonders of the ADS

The Archaeology Data Service is the only accredited digital repository in the UK for heritage data, with over 20 years of experience supporting research, learning and teaching with free, high quality and dependable digital resources.



### DEPOSIT

Depositing heritage data with the ADS ensures that your data will be professionally curated in the long term and easily accessible for future re-use.



### SEARCH

The ADS disseminates a broad range of digital heritage data that are free to access and re-use. This includes data rich archives, unpublished reports, journals and metadata records.



### NEWS

The ADS is pleased to launch our new online digital gallery featuring the *Wonders of the ADS* Exhibition. Find out more about the project to develop the new exhibition in our blog post.

# SEARCH



Search our resources

The ADS has three main resources click on a button below to search your chosen resource

ARCHSEARCH

Search Monument and  
Event Records

ARCHIVES

Search our Data

LIBRARY

Search Journals, Books  
and Reports

# 1.35m records to 70 reports in 3 clicks

**ads** ARCHAEOLOGY DATA SERVICE

HOME SEARCH DEPOSIT RESEARCH ADVICE ABOUT HELP

RESET QUERY

KEYWORD  SEARCH 1357285 Total results. Download Result in XML Download Result in CSV

▼ WHAT

- Event 136011
- Evidence 258480
- Maritime 60450
- Monument Types 1153207
- Object Types 180544

▼ WHERE

- England 816731
- Northern Ireland 18468
- Scotland 348066
- Wales 151236
- Isle Of Man 2861

▼ WHEN

- Early Prehistoric 14051
- Later Prehistoric 96534
- Roman 73568
- Early Medieval 21234
- Medieval 143769
- Post Medieval 356413
- Modern 76184

**ABBEY FIELDS ABBEYMead**  
Historic England NRHE Excavation Index for England  
Followed by excavation 14/86 (Event 652905). Observation of sewer trench.  
GLOUCESTERSHIRE

**AINSBROOK SITE**  
Historic England NRHE Excavation Index for England  
Evaluation and excavation of the site of a Viking period hoard recorded a disturbed burial with grave goods and a large Bronze Age enclosure. Metal detectorists had previously removed '7000' artefacts from the site, the location of which is kept secret.  
NORTH YORKSHIRE

**APPLEGARTH WEST OF ST ANDREWS CHURCHYARD**  
Historic England NRHE Excavation Index for England  
Two small trial trenches in the garden of a 1960s bungalow adjacent to the churchyard boundary wall on the west side of St Andrew's Church revealed traces of the Roman road from the Mendips to the River Avon, possibly RR540. There were also indications of a possible Roman roadside settlement, as well as earlier medieval activity pre-dating the laying out of the market place.  
BATH AND NORTH EAST SOMERSET

BROWSER BASIC

ADVANCED MAP



**ads** ARCHAEOLOGY DATA SERVICE

HOME SEARCH DEPOSIT RESEARCH ADVICE ABOUT HELP

WHERE Greater London WHEN Early Prehistoric RESOURCE Grey Lit Library RESET QUERY

KEYWORD  SEARCH 70 Total results. Download Result in XML Download Result in CSV

▼ WHAT

- Evidence 21
- Monument Types 59
- Object Types 54

▼ WHERE

- England 70
- Greater London 70
- Kent 3
- Suffolk 1
- Warwickshire 1

▼ WHEN

- Early Prehistoric 70
- Later Prehistoric 29
- Roman 26
- Early Medieval 8
- Medieval 23
- Post Medieval 48
- Modern 9

▼ RESOURCE

- Grey Lit Library 70

**437 Uxbridge Road Ealing Archaeological Evaluation**  
ADS Grey Literature Library  
437 Uxbridge Road, Ealing: Archaeological Evaluation  
GREATER LONDON

**642 Blackheath Road Deptford London Borough of Greenwich**  
ADS Grey Literature Library  
6-42 Blackheath Road, Deptford, London Borough of Greenwich  
GREATER LONDON

**A Phase III Archaeological Evaluation on Blocks E F G K M and N Mardyke Estate Rainham London Borough of Havering RM13 8PS**  
ADS Grey Literature Library  
A Phase III Archaeological Evaluation on Blocks E, F, G, K, M and N, Mardyke Estate, Rainham, London Borough of Havering, RM13 8PS  
GREATER LONDON

**A13 M25 TO LAKESIDE WIDENING. DMRB STAGE II ASSESSMENT. ARCHAEOLOGICAL ASSESSMENT DRAFT**  
ADS Grey Literature Library  
A13: M25 TO LAKESIDE WIDENING. DMRB STAGE II ASSESSMENT. ARCHAEOLOGICAL ASSESSMENT (DRAFT)  
GREATER LONDON

BROWSER ADVANCED MAP



ADS Grey Literature Library

300

[Go to Grey Lit Report](#)



[View historic maps](#)

## Assessment of an Archaeological Excavation at 551 Old Kent Road, London Borough of Southwark

**Description:** Assessment of an Archaeological Excavation at 551 Old Kent Road, London Borough of Southwark

**Country:** ENGLAND

**County:** GREATER LONDON

**District:** SOUTHWARK

**Parish:** SOUTHWARK

**Named Location:** 551 Old Kent Road

**Grid reference:** TQ35017740

**Map reference:** [EPSG:27700] 535010, 177400

**Period/Subject:** ROMAN - AMPHORA , ROMAN - BURNT BONE , MESOLITHIC - BURNT FLINT , MESOLITHIC - FLAKES , POST MEDIEVAL - POTTERY , POST MEDIEVAL - SLAG , POST MEDIEVAL - TOBACCO PIPE , UNCERTAIN - DITCHES , MEDIEVAL - MARSH , POST MEDIEVAL - POST HOLE , ROMAN - POST HOLE

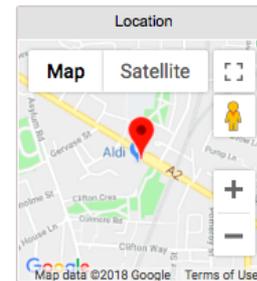
**Identifiers:**



Library Home > Browse Series > Series > Report (in Series)

## Grosso, I., (2008). *Assessment of an Archaeological Excavation at 551 Old Kent Road, London Borough of Southwark*. Brockley: Pre-Construct Archaeology Limited.

<b>i</b> Title:	Assessment of an Archaeological Excavation at 551 Old Kent Road, London Borough of Southwark
<b>i</b> Series:	Pre-Construct Archaeology Ltd (London) unpublished report series
Downloads:	<a href="#">preconst1-200802_rpt.pdf (0 MB)</a> <a href="#">Download</a>
<b>i</b> DOI	<a href="https://doi.org/10.5284/1016952">https://doi.org/10.5284/1016952</a>
<b>i</b> Publication Type:	Report (in Series)
<b>i</b> Abstract:	An archaeological field excavation followed an earlier evaluation of the site. The earlier evaluation of the site demonstrated archaeological preservation in trench 1 and further archaeological work was undertaken with the excavation of trenches 3 and 4. Natural sandy brick earth was found across the excavation area at a level of 0.65m OD to the south in trench 3 and gradually sloping downwards, at a level of 0.20m OD, to the north in trench 4. An E-W prehistoric ditch, already observed during the initial evaluation, truncated the natural sandy brick earth and presented a terminus to the west in trench 3. Another possible curvilinear prehistoric cut feature was observed just next to the ditch but unfortunately no cultural material was found in its fill. A peat layer, sealing the prehistoric cut features, contained a single cattle bone and few burnt flints. Although the near absence of cultural material, this layer, occasionally disturbed by rooting, indicates that the study site was marshy, marginal land possibly during the Saxon and Medieval periods. The post medieval activity on the study site was represented by two postholes sealed by a sequence of homogenous clay layers, largely devoid of cultural material, indicating the site had been largely flooded and abandoned in the post-medieval period until the beginning of the ground works associated with the construction of the Georgian terrace house and of the N-S sewer to the west of the study site.
<b>i</b> Author:	I Grosso
<b>i</b> Publisher:	Pre-Construct Archaeology Limited



## Star Carr and Lake Flixtton archives

University of York, 2018

- Introduction
- Overview
- Map
- Downloads
- Publications
- Metadata
- Usage Statistics

Data copyright © University of York unless otherwise stated



### Primary contact

Prof Nicky Milner  
 Department of Archaeology  
 University of York  
 King's Manor  
 Exhibition Square  
 York  
 YO1 7EP  
 England  
 Tel: 01904 323940  
 Fax: 01904 323902

[Send e-mail enquiry](#)

### Resource identifiers

ADS Collection: 1253  
 DOI: <https://doi.org/10.5284/1041580>  
 How to cite using this DOI



### Downloads

Please select the section of the archive you wish to view from the options below.

[Video](#) | [Photos](#) | [Site records](#) | [Plans](#) | [Sections](#) | [Photogrammetry](#) | [GIS](#) | [Specialist data](#) | [Reports](#)

#### Video

The archive videos have been zipped for dissemination. Advice on how to download and view on your own machine is provided below. In addition, some records also have a link to a streamed version on the Star Carr project Youtube channel.

Star Carr (2015): video metadata [CSV](#) 13 Kb

*(Using multi-volume ZIP files)*

	Student groups excavating areas of dryland and wetland (sc15_video_01)	<a href="#">ZIP</a>	91 Mb
<a href="#">PREVIEW</a>	<a href="#">Youtube version</a>		
	RK excavating animal bone in woodpeat (sc15_video_02)	<a href="#">ZIP</a>	61 Mb
<a href="#">PREVIEW</a>	<a href="#">Youtube version</a>		
	Student groups excavating in wetland areas (sc15_video_03)	<a href="#">ZIP</a>	88 Mb
<a href="#">PREVIEW</a>	<a href="#">Youtube version</a>		
	Student groups excavating in dryland (sc15_video_04)	<a href="#">ZIP</a>	81 Mb
<a href="#">PREVIEW</a>	<a href="#">Youtube version</a>		
	CR excavating in dryland area (sc15_video_05)	<a href="#">ZIP</a>	69 Mb
<a href="#">PREVIEW</a>	<a href="#">Youtube version</a>		

## Star Carr Archives Project

Nicky Milner, Hayley Saul, Ben Elliott, 2013

- Introduction
- Overview
- Downloads
- Query
- Further Information
- Metadata
- Usage Statistics

Data copyright © University of York unless otherwise stated



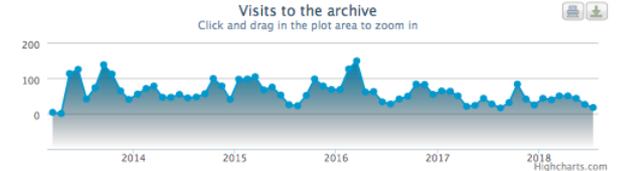
### Primary contact

Prof Nicky Milner  
 Department of Archaeology  
 University of York  
 King's Manor  
 Exhibition Square  
 York  
 YO1 7EP  
 England  
 Tel: 01904 323940  
 Fax: 01904 323902

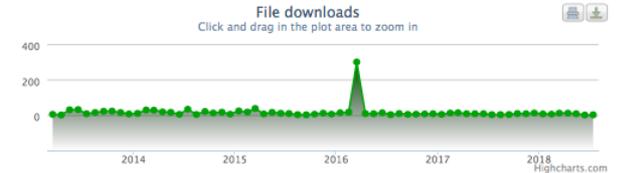
[Send e-mail enquiry](#)

### Resource identifiers

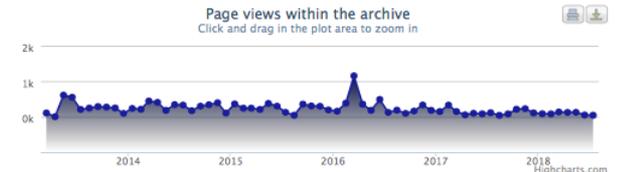
ADS Collection: 1335  
 DOI: <https://doi.org/10.5284/1019856>  
 How to cite using this DOI



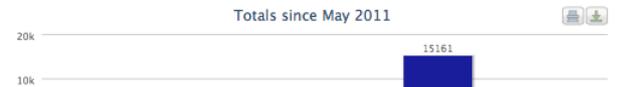
If a visitor comes to the website for the first time, or if they visit a page (or download a file) more than 30 minutes after their last page view, this will be recorded as a new visit. A unique visitor making multiple visits per day will register as several visits.



A download is a click on a link to something other than a web page, file extensions include: csv, doc, docx, gif, jar, jpg, jpeg, mp3, mp4, mov, odt, pdf, png, ppt, pptx, txt, wav, wma, wmv, wpd, xls, xlsx, xml, zip but this is not an exhaustive list.



Pages viewed is the number of HTML pages or scripts that visitors have looked at. A "page" is a hit that is not an image, JavaScript or CSS file and which was not loaded by a search engine robot.



# Research Value

ADS: % respondents

- 84% - ADS has had an impact on data sharing
- 79% - reduced time required for data access and processing
- 51% - New intellectual opportunities
- 56% - Permitted new types of research
- 94% - Data very or quite important for their research



JISC

Data centres: their use, value and impact



# Economic Impact of ADS

Beagrie/ Houghton 2014:

- Investment value £1.2m pa
  - £698,000 pa funding from sponsors
  - £465,000 pa indirectly contributed by depositors
- Direct use value £1.4m pa
- But efficiency impacts £13m-£58m per annum
- Research efficiency gains = 7 hours per person per week
- **£1 investment provides up to £8.30 return**



**CENTRE FOR STRATEGIC  
ECONOMIC STUDIES**



# European Research Infrastructures

**ARIADNE** English Register Login

About Portal Transnational Access Community Events Resources News

Ariadne

**BETA** Browse the Ariadne Catalog Where, What, When

**About Ariadne** Read More

ARIADNE brings together and integrates existing archaeological research data infrastructures so that researchers can use the various distributed datasets and new and powerful technologies as an integral component of the archaeological research methodology. There is now a large availability of archaeological digital datasets that, together, span different periods, domains and regions; more are continuously created as a result of the increasing use of IT. These are the accumulated outcome of the research of individuals, teams and institutions, but form a vast and fragmented corpus and their potential has been constrained by difficult access and non-homogenous perspectives.

**Latest News** See All

- Jan 28 2017 CDH2017 Conference, invitation for contributions
- Dec 21 2016 ARIADNE in Florence
- Dec 14 2016 ARIADNE winter school
- Nov 14 2016 Study: Towards a Web of Archaeological Linked Open

**Events** See All

- Jun 14 2017 CDH2017 Conference
- Mar 19 2017 ISI2017
- Dec 16

**E-RIHS** EUROPEAN RESEARCH INFRASTRUCTURE FOR HERITAGE SCIENCE

Heritage interpretation, preservation, documentation and management

**E-RIHS**

The European Research Infrastructure for Heritage Science (E-RIHS) supports research on heritage interpretation, preservation, documentation and management. It comprises: E-RIHS Headquarters and National Hubs, fixed and mobile national infrastructures of recognized excellence, physically accessible collections/archives and virtually accessible heritage data.

Continue reading

# ARIADNE

All fields ▾

Search for resources in the Ariadne catalog ...



## Welcome

Explore the digital resources and services that ARIADNE has brought together from across Europe for archaeological research, learning and teaching.

## Browse the Catalog

Where



When



What

settlements  
inhabited places  
houses farms cairns  
ditches  
lime kilns  
cist graves  
forts  
churches (buildings)  
pits (earthworks)

Searching 1.9m  
digital resources

18 countries

Search by:  
What  
When  
Where

Multilingual  
translation of  
subject terms



Start a new search...

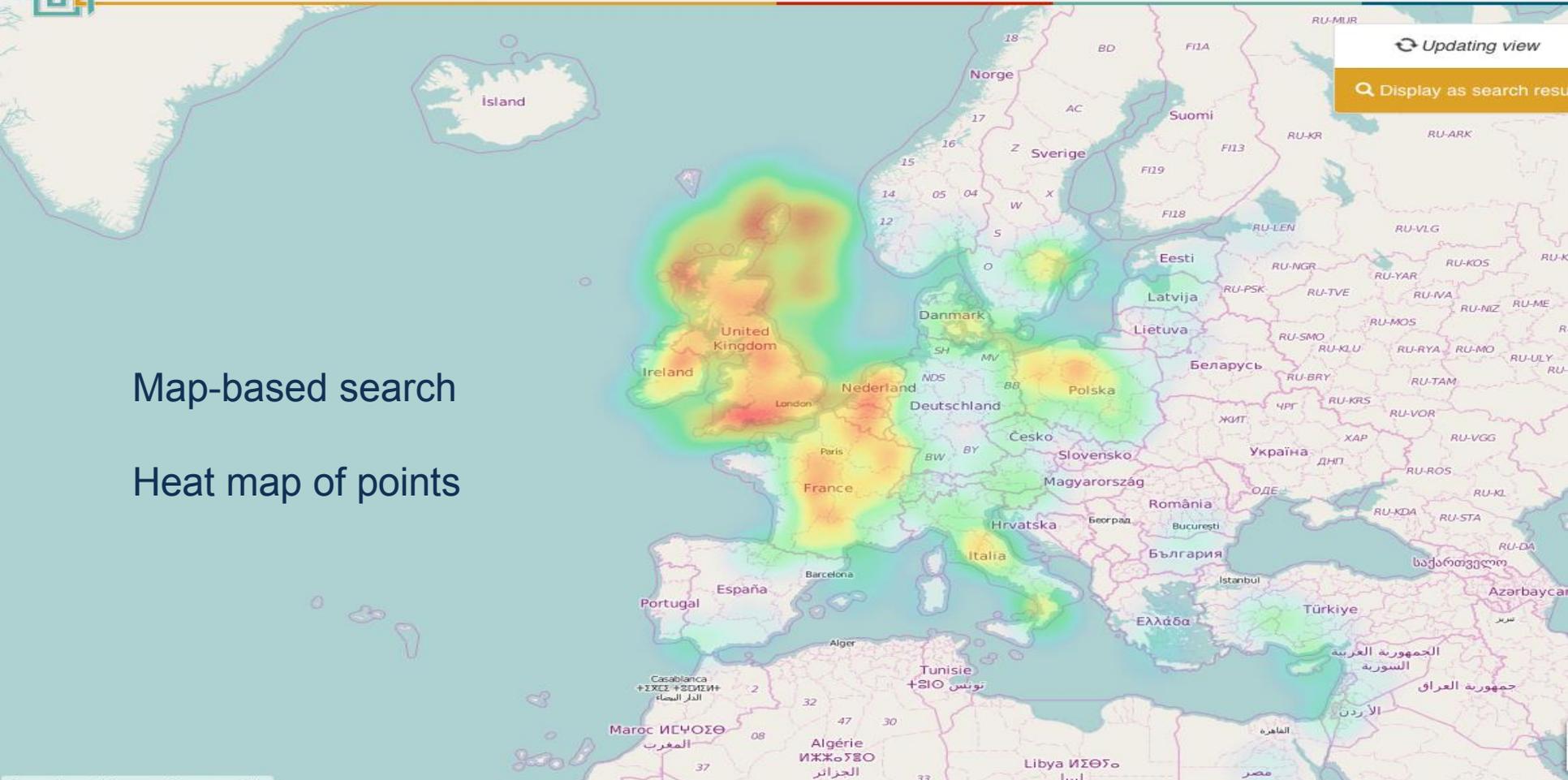


Catalog

Services

Experiments

About



Updating view

Display as search results

Map-based search

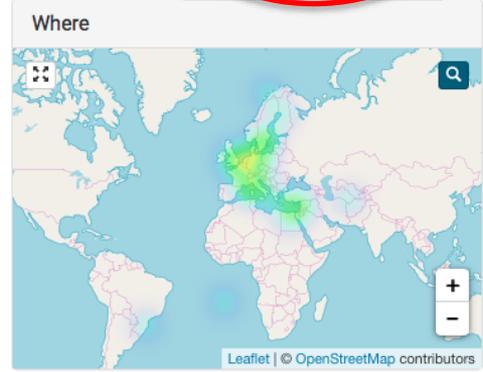
Heat map of points

Current search

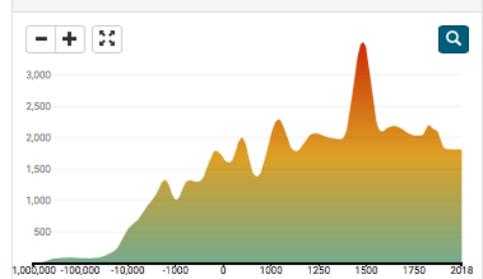
no 1 poultry

Filters

Resource type: Fieldwork archives



When



Total results: 6,924

1 2 3 4 5

Order By Score

- Number 1 Poultry (ONE 94)
Evaluation at Land off Chapel Lane, Upton Snodsbury, Worcestershire
210 Bassett Green Road (SOU1647) (foundati1-177914)
Whitchurch Reservoir, Whitchurch
GIS-material for the archaeological project: Stone Age finds within Kulla 1:1

Filter by type of resource



Start a new search...



Catalog

Services

About

← Back to search results

## Number 1 Poultry (ONE 94)



The site of 1 Poultry is located near the Bank of England, in the heart of the City of London. During the 1990s, one of the largest excavations in the City recovered a remarkable archaeological sequence from the 1st to the 20th century AD. This was augmented by findings from nearby sites at Bucklersbury, Lothbury, Lombard Street, 72-75 Cheapside, 76-80 Cheapside, 36-37 King Street and Mansion House. 1 Poultry lies immediately west of the point where the main east-west road through Roman London bridged the Walbrook stream and uncovered an unparalleled sequence of buildings, roads, and open spaces. A timber drain of AD 47 beneath the main road is the earliest, securely dated structure yet known from Londinium, and a pottery shop, destroyed in the Boudican revolt, gives a snapshot of life in AD 60/61. A 2nd-century AD writing tablet preserves the only evidence for the sale of a slave found in Britain to date, while the 3rd- and 4th-century AD buildings on the site provide a rare demonstration of the continuities and changes that occurred in Roman urban life.

Read more

skeleton components (animal components) 
 coins (money) 
 combs (grooming tools) 
 doors 
 human remains 
 animal components 
 mosaics (visual works) 
 pots (containers) 
 rings (object genres) 
 whorls 
 pipes (smoking equipment) 
 vessels (containers) 
 writing boards (tablets) 
 buildings (structures) 
 public buildings 
 commercial complexes 
 drains 
 hypocausts 
 insulae

Early Medieval Medieval Post Medieval Roman Early Medieval Medieval Post Medieval Roman

World, Europe, United Kingdom, England, Greater London, London, City of London [7011798]

### Metadata

**ARIADNE ID** 19138479  
**Original ID** 1297  
**Language** English  
**Resource type** Fieldwork archives  
**Subject** skeleton components (animal components)   
 coins (money)

## Getty AAT subject terms

WOOD

WRITING TABLET

**Dating** Early Medieval  
Medieval  
Post Medieval  
Roman  
410 – 1065, Early Medieval   
1066 – 1539, Medieval   
1540 – 1900, Post Medieval   
43 – 409, Roman

**Place** World, Europe, United Kingdom, England, Greater London, London, City of London [7011798]  
[-0.0907642, 51.51328]

**Type** Collection

**Publisher** Archaeology Data Service [Organization]

**Issued** 2018-08-25

### Responsible persons and organisations

**Contributor** Museum of London Archaeology [Organization]

**Getty AAT Subjects** biological components

animal components

animal component

components, animal

warm air heating

hypocaustum

hypocausti

huo k'eng kung nuan she shih

hypocausts

火坑供暖设施

huo keng gong nuan she shi

huo keng gong nuan she shi

火坑

hypocaust

hypocaustum

hypocaustum

Mill Close, Grantham, Lincolnshire. Archaeological Watching Brief

Mersham ARC MSH 98

Archaeological and cultural heritage investigations on the site of the London 2012 Olympic and Paralympic Games

Roman Biorobridges

Translation into Mandarin

## Number 1 Poultry (ONE 94)

### Museum of London Archaeology, 2013

Introduction  
Overview  
Downloads  
Metadata  
Usage Statistics

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Archaeology unless otherwise stated



ENGLISH HERITAGE

#### Primary contact

Julian Hill  
Post-Excavation Project Manager  
Museum of London Archaeology  
Mortimer Wheeler House  
46 Eagle Wharf Road  
London  
N1 7ED  
UK  
Tel: 020 7410 2254

[Send e-mail enquiry](#)

#### Resource identifiers

ADS Collection: 1297  
DOI: <https://doi.org/10.5284/1020244>

#### Introduction

The site of 1 Poultry is located near the Bank of England, in the heart of the City of London. During the 1990s, one of the largest excavations in the City recovered a remarkable archaeological sequence from the 1st to the 20th century AD. This was augmented by findings from nearby sites at Bucklersbury, Lothbury, Lombard Street, 72-75 Cheapside, 76-80 Cheapside, 36-37 King Street and Mansion House.

1 Poultry lies immediately west of the point where the main east-west road through Roman London bridged the Walbrook stream and uncovered an unparalleled sequence of buildings, roads, and open spaces. A timber drain of AD 47 beneath the ma road is the earliest, securely dated structure yet known from Londinium, and a pottery shop, destroyed by the Boudican revolt, gives a snapshot of life in AD 60/61. A 2nd-century AD writing tablet preserves evidence for the sale of a slave found in Britain to date, while the 3rd- and 4th-century AD buildings on site provide a rare demonstration of the continuities and changes that occurred in Roman urban life.

Poultry occupied a prominent position at the eastern end of Cheapside, the city's principal medieval street; integrating documentary evidence with the archaeological record has provided an outstanding detailed account of this area. Reoccupation of the site in the later 10th century AD began with the construction of scattered sunken-floored buildings; a more regular pattern of settlement, characterised by narrow-fronted timber buildings along the roadsides, had developed by the early 11th century. Occupation became progressively denser up to the 13th century, when large stone-built houses began to be constructed in previously open areas behind the street frontages. Metalworking evidence from the excavated buildings indicates early economic activity, corresponding with later documentary evidence of smiths, ironmongers and other metalworkers in the area. The Great Conduit, the City's first piped water supply, was established in the 13th century; its vaulted lower chamber survived at the junction of Bucklersbury and Cheapside.

This project was published following a joint venture between English Heritage and Museum of London Archaeology as:

- Hill, J. and Rowsome, P. 2011: Roman London and the Walbrook stream crossing: excavations at 1 Poultry and vicinity, City of London. MoLA Monograph Series 37. ISBN 978-1-907586-04-0.
- Burch, M., Treveil, P. with Keene, D. 2011: The development of early medieval and later Poultry and



## Number 1 Poultry (ONE 94)

### Museum of London Archaeology, 2013

Introduction  
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ENGLISH HERITAGE

#### Primary contact

Julian Hill  
Post-Excavation Project Manager  
Museum of London Archaeology  
Mortimer Wheeler House  
46 Eagle Wharf Road  
London  
N1 7ED  
UK  
Tel: 020 7410 2254

[Send e-mail enquiry](#)

#### Resource identifiers

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#### Downloads

The downloads are split into separate sections for each site (see [overview](#) for details). Please note that each site has separate file metadata, however conventions and codes for CAD and spreadsheet files are common to all sites and are presented as overarching metadata below. The concordance document gives further details of the relationships between ONE94 and the satellite sites.

Concordance document	PDF	623 Kb
MoLA CAD layer conventions	PDF	78 Kb
Spreadsheet conventions	CSV	40 Kb

[ONE94](#) | [BOL94](#) | [BUC87](#) | [CID90](#) | [DOC87](#) | [LOM88](#) | [BRD88](#) | [KNG85](#) | [LHY88](#) | [SON85](#) | [MHO92](#) | [PLY87](#)

#### ONE 94 (1 Poultry)

File Metadata ONE94	TXT	11 Kb
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#### Spreadsheet files

ONE94 abonedata01	CSV	1.25 Mb
ONE94 anbntab07	CSV	1.29 Mb
ONE94 anbntab08	CSV	39 Kb
ONE94 anbntab09	CSV	852 Kb
ONE94 anbntab10	CSV	874 Kb
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ONE94 bmdata01	CSV	213 Kb
ONE94 botdata01	CSV	49 Kb
ONE94 botreptab02	CSV	13 Kb
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ONE94 botreptab07	CSV	13 Kb

# Conclusions:

- Digital data preservation has a cost – but data collection / data loss is more expensive
- Digital data is re-used – and studies show research and economic return
- Importance of research infrastructures for preservation and access
- Need to work at international level

# Thank-you for listening

E-mail: [julian.richards@york.ac.uk](mailto:julian.richards@york.ac.uk)

Website: <http://archaeologydataservice.ac.uk/>