

even though the money is no longer channelled into affected communities, and have expressed frustration over what they perceive as excessive levels of archaeological investigation (cf. Last *et al.* 2013); while the MPA has openly stated it has little faith in NPPF to deliver certainty (newsfeed on 18th March 2013 at <http://www.mineralproducts.org>). Meanwhile, the woman on the Clapham Omnibus is worried about her job, her mortgage, how Jenny will afford her university fees, and whether archaeology really is such a good choice of subject.

The answer to all – the Lost Landscapes of the Pleistocene do deserve some level of protection, but this needs to be balanced with all these other factors and anchored in economic reality. The opportunity for both archaeologist and industry to positively impact upon science and community is real, but we need to understand each other’s needs, hopes and fears as they really are, and not grotesque caricatures. If the door between NIAN and the MPA is not locked, then there is just one question left to ask the multitude of different stakeholders: ‘can we please talk?’

Appendix 1: ALSF Palaeolithic Project Resources

The following appendix includes a summary of ALSF Palaeolithic projects referred to in this volume whose digital archives have been deposited with the Archaeological Data Service (ADS). The projects are arranged by ALSF project number as they appear on the ADS website. <http://archaeologydataservice.ac.uk/archives/view/alsf/>. In addition the results of several projects have been published in academic monographs and papers and references are included where relevant.

3253/5881: LYNFORD QUARRY

Norfolk Archaeological Unit, Northamptonshire Archaeology, Royal Holloway, UoL

A pdf of the full academic monograph published in 2011 can be downloaded from the English Heritage website:
<http://www.english-heritage.org.uk/publications/neanderthals-among-mammoths/>
Boismier, W, Gamble, C, and Coward, F, 2011 *Neanderthals Among Mammoths: Excavations at Lynford Quarry, Norfolk*, English Heritage

3263/3913: THAMES THROUGH TIME, VOLUME 1

Oxford Archaeology

An academic monograph was published in 2011: Morigi, T, Schreve, D, White, M, Hey, G, Garwood, P, Robinson, M, Barclay, A, and Bradley P 2011 *Thames Through Time: The Archaeology of the Gravel Terraces of the Upper and Middle Thames – Early Prehistory to 1500BC*, Thames Valley Landscapes Monograph, Volume 1

3277/3543: SUBMERGED PALAEO-ARUN AND SOLENT RIVERS: RECONSTRUCTION OF PREHISTORIC LANDSCAPES

Sanjeev Gupta, Jenny Collier, Andy Palmer-Felgate, Julie Dickinson, Kerry Bushe, Stuart Humber

The final integrated project report can be downloaded from the ADS website:
http://archaeologydataservice.ac.uk/archives/view/palaeoarun_eh_2007/
Gupta, S, Collier, J, Palmer-Felgate, A, Dickinson, J, Bushe, K, and Humber, S, 2004 *Submerged Palaeo-Arun River: Reconstruction of Prehistoric Landscapes and Evaluation of Archaeological Resource Potential, Integrated Projects 1 and 2*

3282: THE LEA VALLEY MAPPING PROJECT (LVMP)

Museum of London Archaeology

An academic monograph was published in 2011: Corcoran, J, Halsey, C, Spurr, G, Burton, E, and Jamieson, D, 2011 *Mapping Past Landscapes in the Lower Lea Valley: A Geoarchaeological Study of the Quaternary Sequence*, Museum of London Archaeology, MOLA Monograph 55

3279: THE PALAEO-LITHIC ARCHAEOLOGY OF THE SUSSEX/HAMPSHIRE COASTAL CORRIDOR (PASHCC)

Martin Bates, Francis Wenban-Smith, Rebecca Briant, Richard Bates

The GIS datasets and final report can be downloaded from the ADS website:
http://archaeologydataservice.ac.uk/archives/view/pashcc_eh_2007/overview.cfm
Bates, M R, Wenban-Smith, F, Briant, R, and Bates, C R, 2007 *Curation of the Sussex / Hampshire Coastal Corridor Lower/Middle Palaeolithic Record*

3310: MIDDLE THAMES NORTHERN TRIBUTARIES (MTNT)

Essex County Council, University of Wales Trinity St David, Hertfordshire County Council

The GIS datasets and final report can be downloaded from the ADS website:
http://archaeologydataservice.ac.uk/archives/view/mtnt_eh_2007/
Bates, M, Heppell, E, and Gascoyne, A, 2006 *Assessment Report: Middle Thames Northern Tributaries*. Final Report as submitted to English Heritage.

3322: ARTEFACTS FROM THE SEA

Wessex Archaeology

The following reports can be downloaded from the ADS website:
http://archaeologydataservice.ac.uk/archives/view/artefactssea_eh_2007/
Wessex Archaeology, 2003 *Artefacts from the Sea*. Source Appraisal, ref: 51541.01
Wessex Archaeology, 2003 *Artefacts from the Sea*. Year 1 Report, ref: 51541.02
Wessex Archaeology, 2003 *Artefacts from the Sea*. Year 2 Report, ref: 51541.03

Wessex Archaeology, 2003 Artefacts from the Sea. Catalogue of the Michael White Collection, ref: 51541a and b

3338: STOPES PALAEOLOGICAL ARCHIVE

Francis Wenban-Smith

The final report and project maps can be downloaded from the ADS website: http://archaeologydataservice.ac.uk/archives/view/stopes_eh_2007/ Wenban-Smith, F. 2004: *Stopes Palaeolithic Project*. Final Report as submitted to English Heritage.

3361: THE ARCHAEOLOGICAL POTENTIAL OF SECONDARY CONTEXTS

Robert Hosfield, Jenni Chambers, Phil Toms

The following reports can be downloaded from the ADS website: http://archaeologydataservice.ac.uk/archives/view/apscontexts_eh_2007/ Hosfield, R.T. and Chambers, J.C. 2004: *The Archaeological Potential of Secondary Contexts*. English Heritage Project Report (Project No. 3361). English Heritage Archive Report: London Toms, P S, Hosfield, R T, Chambers, J C, Green, P C, and Marshall, P, 2005 *Optical Dating of the Broom Palaeolithic Sites, Devon and Dorset*. Centre for Archaeology Report 16/2005. English Heritage: London

3362: RE-ASSESSMENT OF THE ARCHAEOLOGICAL POTENTIAL OF CONTINENTAL SHELVES

Justin Dix, Rory Quinn, Kieran Westley

The following report can be downloaded from the ADS website: http://archaeologydataservice.ac.uk/archives/view/continentshelves_eh_2008/ Westley, K, Dix, J, and Quinn, R, 2004 *Re-assessment of the Archaeological Potential of Continental Shelves*. English Heritage ALSF project no. 3362. School of Ocean and Earth Science, University of Southampton

3388: THE SHOTTON PROJECT: A MIDLANDS PALAEOLOGICAL NETWORK (SEE ALSO NIAN)

Lang, A, 2004 The Shotton Project: A Midlands Palaeolithic Network, *PAST* 46 <http://www.le.ac.uk/has/ps/past/past46.html>

3426: CRESWELL CRAGS LIMESTONE HERITAGE AREA MANAGEMENT ACTION PLAN

Creswell Heritage Trust, Archaeological Research and Consultancy at the University of Sheffield

The Management Plan is available to download from the ADS website: http://archaeologydataservice.ac.uk/archives/view/creswellcrag_eh_2011/ Davies, G, Badcock, A, Mills, N, and Smith, B, 2004 *Creswell Crags Limestone Heritage Area Management Action Plan*

3447: WELTON-LE-WOLD, LINCOLNSHIRE: AN UNDERSTANDING OF THE ICE AGE HERITAGE LINCOLNSHIRE

The project report is available to download from the ADS website: http://archaeologydataservice.ac.uk/archives/view/weltonlewold_eh_2011/ Aram, J, Hambly, and Rackham, J, 2004 *Towards and Understanding of the Ice Age at Welton-le-Wold, Lincolnshire*, Heritage Lincolnshire report for English Heritage

3495: TRENT VALLEY PALAEOLOGICAL PROJECT (TVPP)

Mark White, Andy J. Howard, David Bridgland

The educational booklet for local outreach is available to download from the ADS website: http://archaeologydataservice.ac.uk/archives/view/tvpp_eh_2008/ The Trent Valley: Landscape and Archaeology of the Ice Age Published monographs and papers include: Bridgland, D R, Howard, A J, White, M J, White, T S, 2014 *Quaternary of the Trent*, Oxbow Books Howard, A J, Bridgland, D R, Knight, D, McNabb, J, Rose, J, Schreve, D, Westaway, R, White, M J, and White, T S, 2007 The British Pleistocene fluvial archive: East Midlands drainage evolution and human occupation in the context of the British and NW European record, *Quaternary Science Reviews* 26, 2724-2737 White, T S, White, M J, Bridgland, D R, and Howard, A J, 2008 Lower Palaeolithic quartzite artefacts from the River Trent at East Leake, Nottinghamshire: New light on a hidden resource, *Quaternary Newsletter*

3502: CRESWELL CRAGS: MANAGEMENT OF PLEISTOCENE ARCHIVES AND COLLECTIONS

Creswell Heritage Trust

The following report accompanied by a series of tables is available for download at the ADS website: http://archaeologydataservice.ac.uk/archives/view/creswellcrag_eh_2006/ Wall, I J, and Jacobi, R E M, 2000 *An Assessment of the Pleistocene Collections from the Cave and Rockshelter Sites in the Creswell Area*, Creswell Heritage Trust

3790/3952: NATIONAL ICE AGE NETWORK (NIAN)

Royal Holloway, University of London, University of Leicester, University of Birmingham

The leaflets, recognition sheets and a number of other promotional materials are available for download from the ADS website. The digital archive also contains the Palaeolithic GIS created for the West Midlands by staff at Birmingham Archaeology (University of Birmingham). http://archaeologydataservice.ac.uk/archives/view/nian_eh_2010/

3836: THE MEDWAY VALLEY PALAEOLOGICAL PROJECT (MVPP)

Francis Wenban-Smith

The two reports for Essex and Kent can be downloaded from the ADS website: http://archaeologydataservice.ac.uk/archives/view/medway_eh_2009/ Wenban-Smith, F F, Bates, M R, and Marshall, G, 2007 Medway Valley Palaeolithic Project Final Report: The Palaeolithic Resource in the Medway Gravels (Essex) Wenban-Smith, F F, Bates, M R, and Marshall, G, 2007 Medway Valley Palaeolithic Project Final Report: The Palaeolithic Resource in the Medway Gravels (Kent) Published papers include: Wenban-Smith, F F, 2004 Handaxe typology and Lower Palaeolithic cultural development: ficrons, cleavers and two giant handaxes from Cuxton, *Lithics* 25, 11-21 <http://eprints.soton.ac.uk/41481/>

3847: THE PALAEOLOGICAL RIVERS OF SOUTHWEST BRITAIN (PROSWEB)

Tony Brown, Robert Hosfield, Laura Basell, Phil Toms, S. Hounsell, R. Young

The ADS digital archive consists of the project report along with various outreach resources and selected artefact images. Individual images can be cross-referenced to the Artefacts Database: http://archaeologydataservice.ac.uk/archives/view/proswb_eh_2007/ Hosfield R T, Brown, A G, Basell, L S, Hounsell, S and Young, R, 2007 *The Palaeolithic Rivers of Southwest Britain: Final Report (Phases I & II)*. English Heritage Project Report (Project No. 3847) Project Booklet: The Palaeolithic Rivers of South-West Britain. Project Flyer: The Palaeolithic Rivers of South-West Britain Project Project Poster: The Palaeolithic of the South-West School Teaching Resources: Palaeolithic Stone Tools; Hominin Species; Palaeolithic Chronology; Pleistocene Climate, Flora & Fauna; Pleistocene Landscapes; Palaeolithic Lifestyles & Behaviour An academic monograph was published in 2013: Hosfield, R, and Green, C P (eds) 2013 *Quaternary History and Palaeolithic Archaeology in the Axe Valley at Broom, South West England*, Oxbow, Oxford

3854: CHRONOLOGY OF BRITISH AGGREGATES USING AMINO ACID RACEMIZATION AND DEGRADATION

Kirsty Penkman, Matthew Collins, David Keen, Richard Preece

The ADS digital archive currently consists of the project report accompanied by data tables: Penkman, K, Collins, M, Keen, D, and Preece, R, 2008 *British Aggregates: an Improved Chronology using Amino Acid Racemization and Degradation of*

Intracrystalline Amino Acids (IcPD), English Heritage Research Department Report Series 6-2008, ISSN 1749-8775

Published Papers include:

Ashton, N, Lewis, S, Parfitt, S, Candy, I, Keen, D, Kemp, R, Penkman, K, Thomas, G, and Whittaker, J, 2005 Excavations at the Lower Palaeolithic site at Elveden, Suffolk, UK, *Proceedings of the Prehistoric Society* 71, 1-61 Collins, M J, Cappellini, E, Buckley, M, Penkman, K E H, Griffin, R C, and Koon, H E C, 2005 Analytical methods to detect ancient proteins, in Gunneweg, K, Greenblatt, C, and Adriaens, A, (eds) *Bio- and Material Cultures at Qumran*, 33-40 Langford, H E, Bateman, M D, Penkman, K E H, Boreham, S, Briant, R M, Coope, G R, and Keen, D H, 2007 Age-estimate evidence for Middle-Late Pleistocene aggradation of River Nene 1st Terrace deposits at Whittlesey, eastern England, *Proceedings of the Geologists' Association* 118 (2) Parfitt, S A, Barendregt, R W, Breda, M, Candy, I, Collins, M J, Coope, G R, Durbidge, P, Field, M H, Lee, J R, Lister, A M, Mutch, R, Penkman, K E H, Preece, R C, Rose, J, Stringer, C B, Symons, R, Whittaker, J E, Wymer, J J, and Stuart, A J, 2005 The earliest humans in Northern Europe: artefacts from the Cromer Forest-bed Formation at Pakefield, Suffolk, UK, *Nature* 438, 1008-1012 Preece, R C, Parfitt, S A, Bridgland, D R, Lewis, S G, Rowe, P J, Atkinson, T C, Candy, I, Debenham, N C, Penkman, K E H, Griffiths, H I, Whittaker, J E, and Gleed-Owen, C, 2007 Terrestrial environments in MIS 11: Evidence from the Palaeolithic site at West Stow, Suffolk, UK, *Quaternary Science Reviews* 26, 1236-1300 Preece, R C, and Penkman, K E H, 2005 New faunal analyses and amino acid dating of the Lower Palaeolithic site at East Farm, Barnham, Suffolk, *Proceedings of the Geologists' Association* 116, 363-377 Schreve, D C, Harding, P, White, M J, Bridgland, D R, Allen, P, Clayton, F, Keen, D H, and Penkman, K E H, 2006 A Levallois knapping site at West Thurrock, Lower Thames, UK: its Quaternary context, environment and age, *Proceedings of the Prehistoric Society* 72, 21-52

3876/4600/5684 SEABED PREHISTORY

Wessex Archaeology

The Seabed Prehistory ADS archive comprises eight reports of which Volume I presents an introduction to the project, Volumes II to VII focus on the individual study areas and Volume VIII presents the results and conclusions of the project overall: http://archaeologydataservice.ac.uk/archives/view/seaprehist_eh_2009/ Wessex Archaeology, 2008 Seabed Prehistory: Gauging the Effects of Marine Aggregate Dredging – Volumes I–VIII, ref. no. 57422.31-38

4620: VALDOE ASSESSMENT SURVEY*Matthew Pope*

The ADS digital archive consists of a combined volume of specialist reports:

http://archaeologydataservice.ac.uk/archives/view/valdoe_eh_2010/

Micropalaeontological Report *John Whittaker*

Assessment of vertebrate remains from Valdoe Pit, West Sussex *Simon Parfitt*

Pollen Analysis *Phil Gibbard & Sylvia Peglar*

Molluscan Analysis *Richard Preece*

Amino Acid Racimization *Kirsty Penkman*

Site photographs

Sediment logs

Lithics spreadsheets

Published papers include:

Pope, M, Roberts, M, Maxted, A and Jones, P, 2009

The Valdoe: Archaeology of a locality within the

Boxgrove Palaeolandscapes, West Sussex,

Proceedings of the Prehistoric Society 75, 239-263

The following report can be downloaded from the ADS website:

http://archaeologydataservice.ac.uk/archives/view/salsa_eh_2008/

Firth, H, and Faxon, K, 2008 *Somerset Aggregates*

Lithics Assessment (SALSA), Aggregates Levy

Sustainability Fund Project Number 5285, Somerset

County Council Heritage Service

5703: KIMBRIDGE FARM QUARRY, DUNBRIDGE*Wessex Archaeology*

The deposit modelling report, artefact database and photographs can be downloaded from the

ADS website:

http://archaeologydataservice.ac.uk/archives/view/dunbridge_eh_2012/

Wessex Archaeology, 2011 Palaeolithic material

from Dunbridge, Hampshire: Deposit modelling

report, Ref. 69592.01

THE LOST LANDSCAPES ARTEFACT DATABASE (LLAD)

A number of ALSF projects included Palaeolithic artefact databases and gazetteers in various formats. Where sufficient data was available these have been collated into a single database to be hosted on the ADS in due course on a dedicated project page. The Lost Landscapes Artefact Database (LLAD) is primarily an update of The English Rivers Project (TERPS) database. It includes data from the ALSF projects, but also all of the original TERPS datasets.

The TERPS dataset comprises some 3600 records of sites and findspots originally listed by John Wymer on index cards, and subsequently issued as the six unpublished volumes (regionally based) of the Southern Rivers Palaeolithic Project, then the English Rivers Palaeolithic Project, between 1993 and 1997. This dataset essentially summarises information for each Lower and Middle Palaeolithic findspots in England, detailing location, geology, circumstances of discovery, numbers and types of artefacts and their current location, current nature of site, and bibliographic sources (including references to TERPS mapping). This data formed the basis of The Lower Palaeolithic Occupation of Britain, published in 1999.

Some new and updated data were subsequently added by John Wymer, and the database, created in 2008, was also augmented by a few new entries from two ALSF Palaeolithic projects the Medway Valley Palaeolithic Project (MVPP) and the Palaeolithic Archaeology of the Sussex/Hampshire Coastal Corridor (PASHCC)

Following a review of the data as part of the Lost Landscapes project it became apparent that many of the ALSF project datasets included historical and HER data already in the TERPS database, and in these instances records have been identified and updated with ALSF project numbers and additional references. As each site entry in the TERPS

database had a unique identifier number it was considered most efficient to update TERPS at the outset rather than create a separate database in order to avoid duplication of records. In some instances ALSF projects identified additional findspots from HER records and other historical sources and these, along with recently investigated sites, form new entries in the database. Additional fields within the site table of the database allows ALSF entries to be filtered by project.

OTHER WEB-BASED PALAEOLITHIC RESOURCES**The English Rivers Project (TERPS)**

http://archaeologydataservice.ac.uk/archives/view/terps_eh_2009/

Ancient Human Occupation of Britain (AHOB) project

<http://www.ahobproject.org/>

The Boxgrove Project

<https://boxgroveproject.wordpress.com/>

Research and Conservation Framework for the British Palaeolithic (2008)

<http://www.english-heritage.org.uk/publications/research-and-conservation-framework-for-british-palaeolithic/palaeolithic-framework.pdf/>

National Heritage Protection Plan

<http://www.english-heritage.org.uk/professional/protection/national-heritage-protection-plan/all-about-NHPP/>

4996: ARCHAEOLOGICAL POTENTIAL OF CAVE AND FISSURE DEPOSITS IN LIMESTONE*Archaeological Research and Consultancy at the University of Sheffield*

The project report can be downloaded from the ADS website:

http://archaeologydataservice.ac.uk/archives/view/caves_eh_2011/

Oliver, J, and Davies, G, 2008 *Caves as Cultural*

Heritage: Research into the Impact of Limestone

Quarries on Archaeological Caves and Fissures and

their Protection through Planning. ARCUS Report

No. 1081.b (1)

5088: THE J J WYMER ARCHIVE*Lorraine Mephram*

John Wymer's Field Note Books have been

digitised in eight volumes and can be viewed on the ADS website:

http://archaeologydataservice.ac.uk/archives/view/wymer_eh_2008/

5266: LOWER AND MIDDLE PALAEOLITHIC OF THE FENLAND RIVERS OF CAMBRIDGESHIRE (FRCPP)*Durham University*

The ADS digital archive contains several key outputs available for download, including a gazetteer of Lower and Middle Palaeolithic sites in Cambridgeshire; a project bibliography; and a project report/booklet:

http://archaeologydataservice.ac.uk/archives/view/palaeofen_eh_2010/

White, T S, Boreham, S, Bridgland, D R, Gdaniec,

K and White, M J 2008 *The Lower and Middle*

Palaeolithic of Cambridgeshire

5285: SOMERSET AGGREGATES LITHICS ASSESSMENT (SALSA)*Somerset County Council*