

Welcome

Agenda:

Main Site Forum – Thursday 15th February 2024

1. Welcome and introductions
2. Meeting note / matters arising from last Forum held: 15th February 2024 - (Chair)
3. Hinkley Point's archaeology – 5,000 years of history (Bob Croft, South West Heritage Trust)
4. Project Progress Update - (Andrew Cockroft, EDF)
5. Any other business – (Chair)
6. Date of next meeting: Thursday 17th October 2024 at 6pm

Item 3:

Hinkley Point Archaeology

up- date by Bob Croft







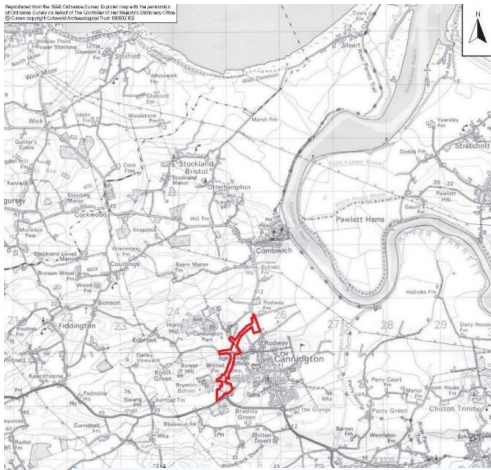
Saxton Map 1575

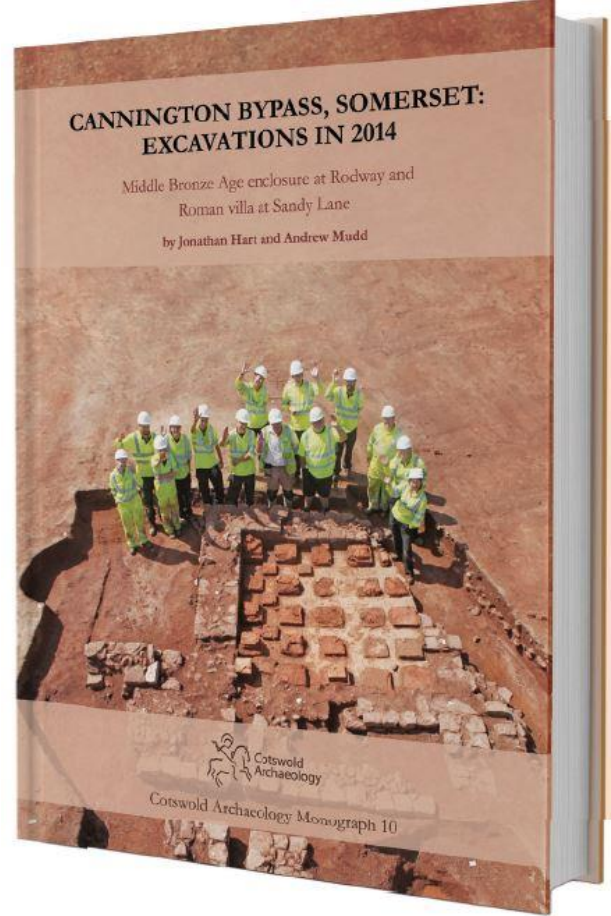


national**grid**









Roman villa building hypocaust on the Cannington Bypass





Roman wall plaster





Geophysics at Hinkley Point C



HPC Excavation areas

SPE 1 Roman settlement

SPE 2 Undated pits

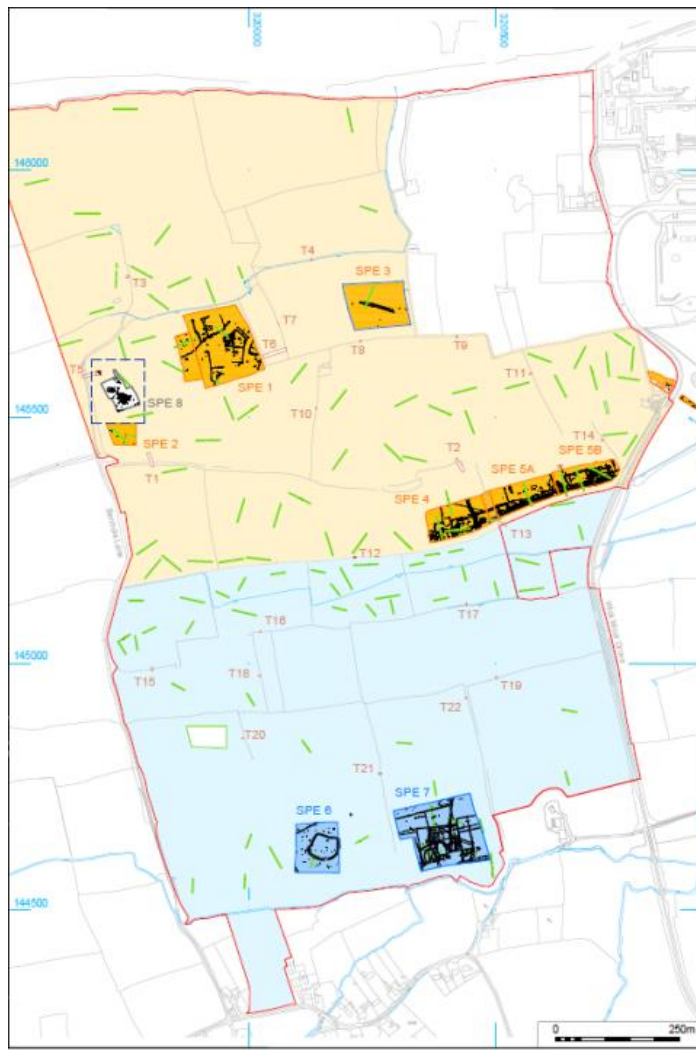
SPE 3 Bronze Age midden

SPE 4-5 Bronze Age, Iron Age
and Roman settlement

SPE 6 Bronze Age enclosure

SPE 7 Multiperiod settlement

SPE 8 Early Medieval burials





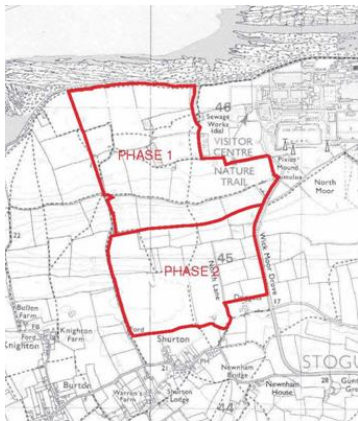
Wick Barrow – Victor Ambrus



Historic Farm Buildings



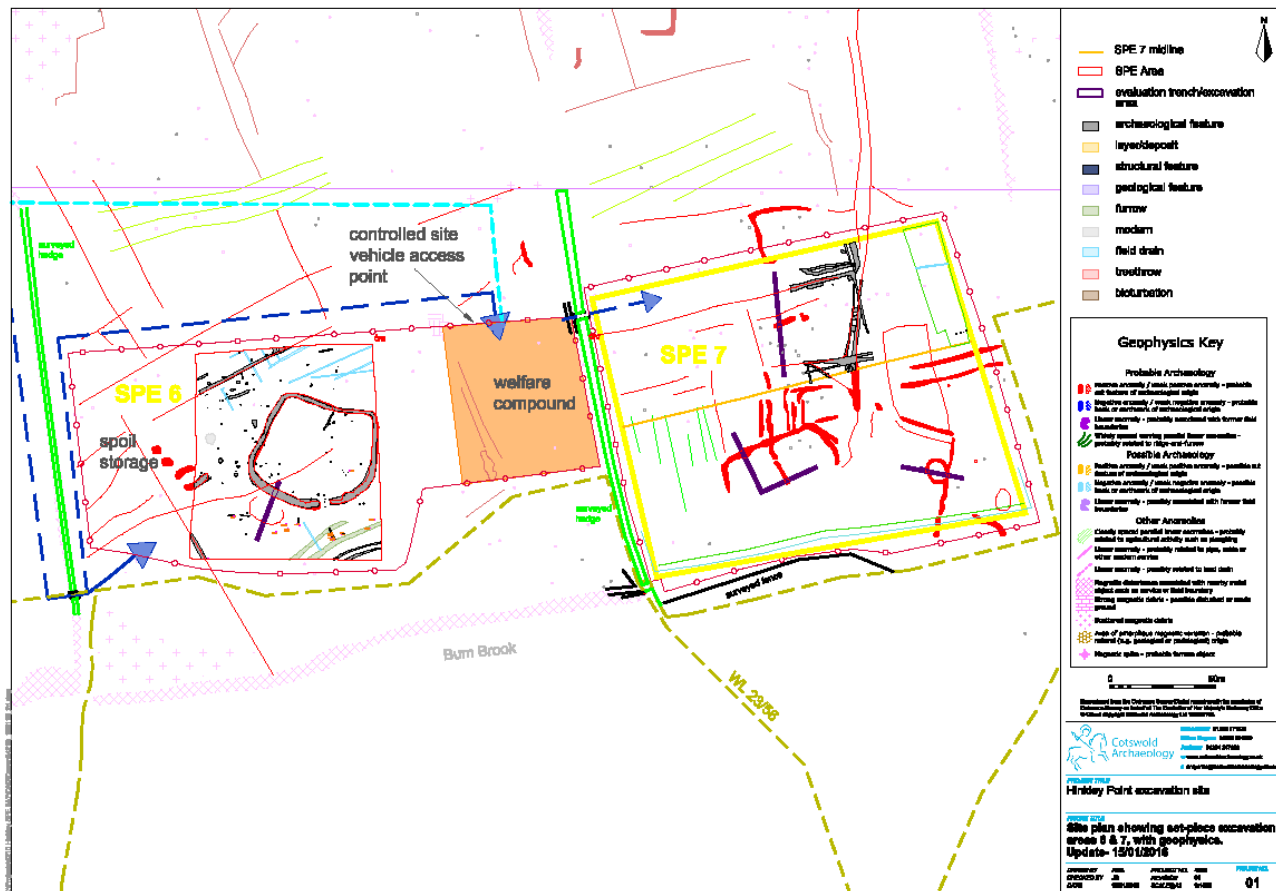
Benhole Farm c 1890 by Victor Ambrus

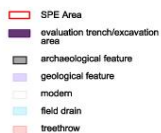
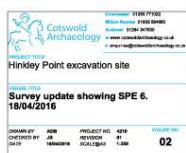
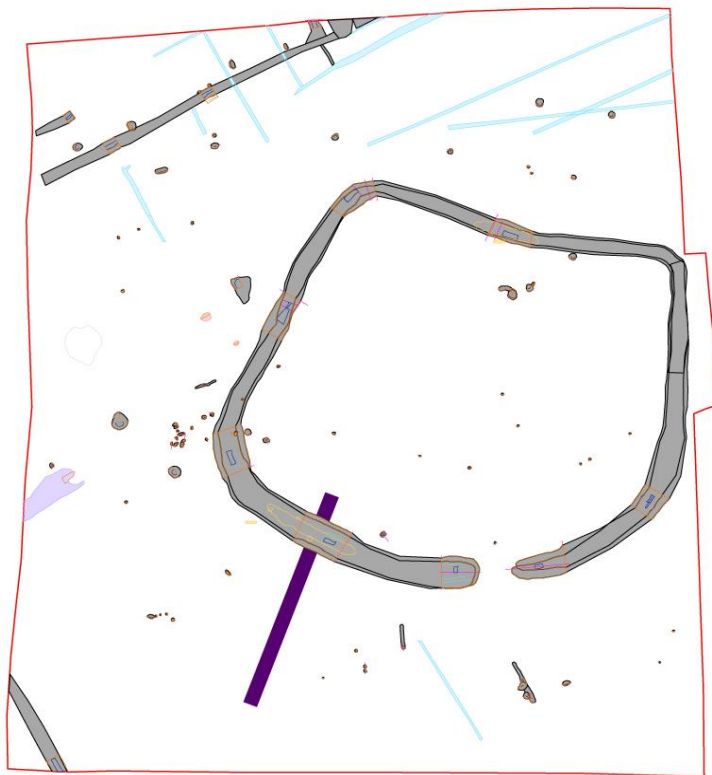


The Hinkley Point 'main site'



Hinkley Point, Shurton – Sites 6 & 7 Geophysics





Looking West - Ditch of Bronze Age Enclosure, Site 6



**Cattle Bone from Site 6, BA
Enclosure Ditch**



Antler from Site 6, BA Enclosure Ditch



IA/RB Spindle Whorl, Site 6, Pit



BA Pottery, Site 6, BA Enclosure Ditch



Aerial View of Bronze Age Enclosure



SPE 1 Roman settlement

SPE 2 Undated pits

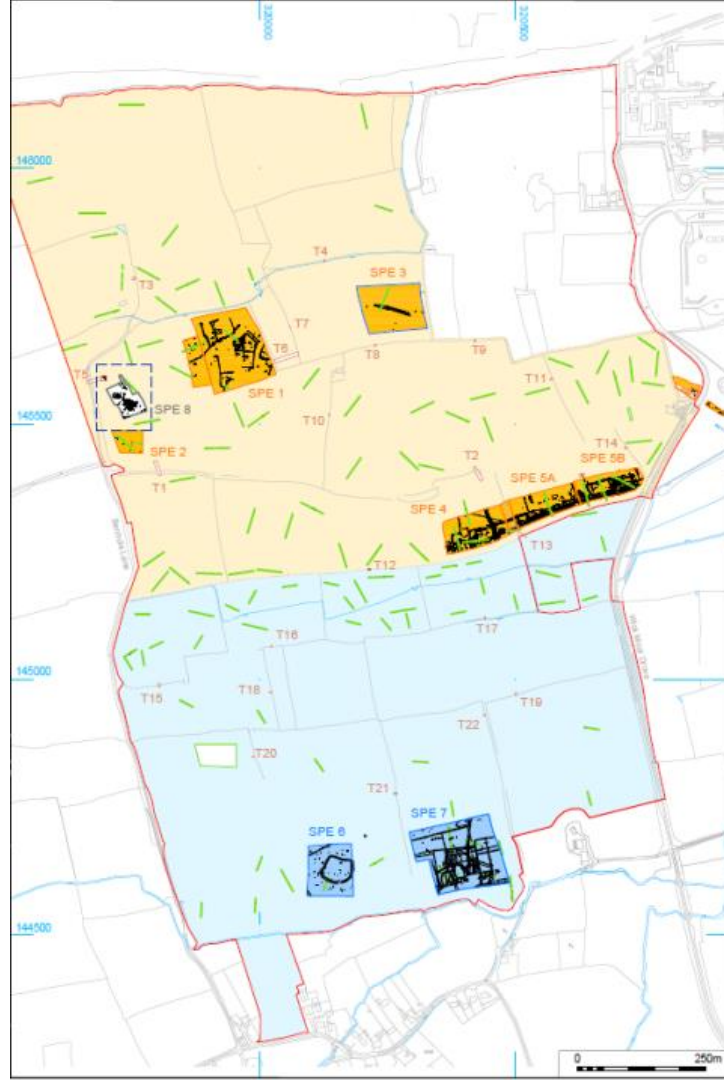
SPE 3 Bronze Age midden

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SPE 7 Multiperiod settlement

SPE 8 Early Medieval burials





Iron Age Farm
by Victor Ambrus



Roman Corn
Drier



**Roman
brooches**



Bone tool



**Samian
ware**



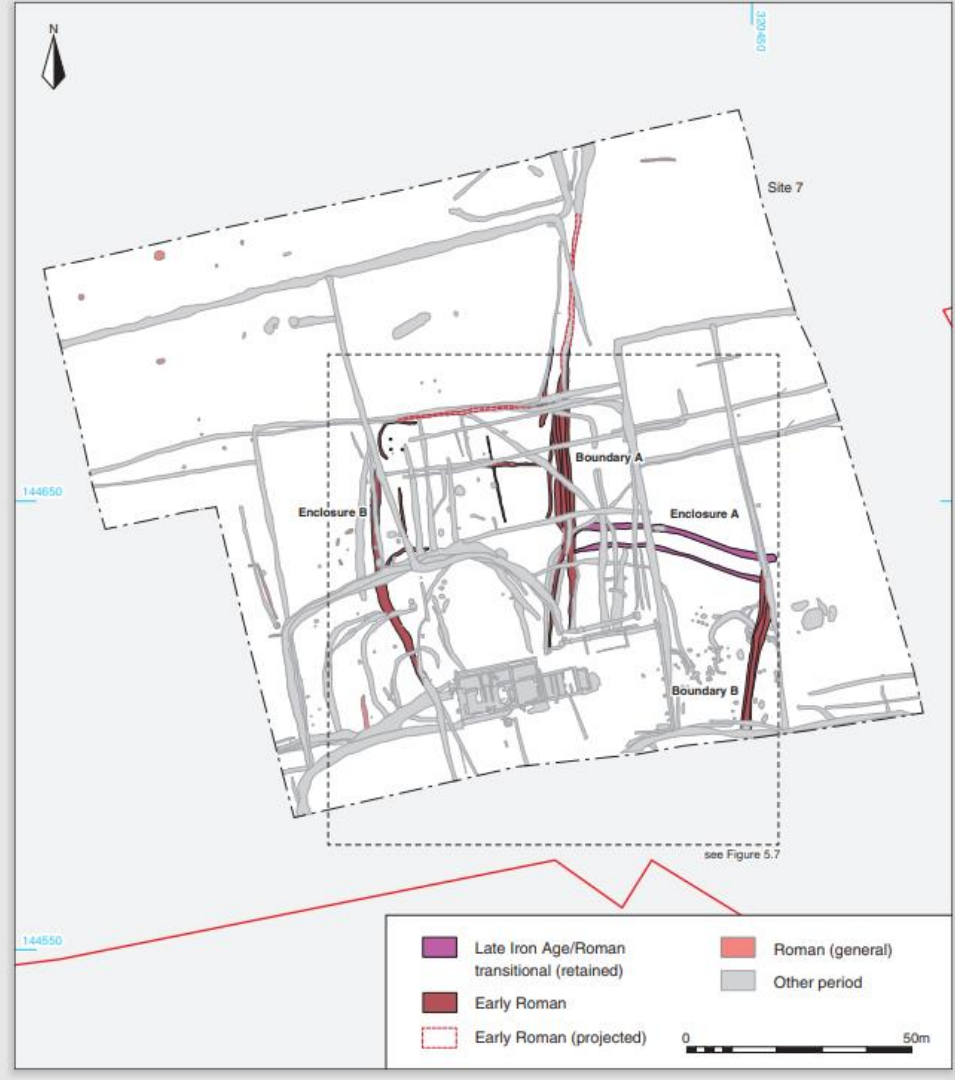
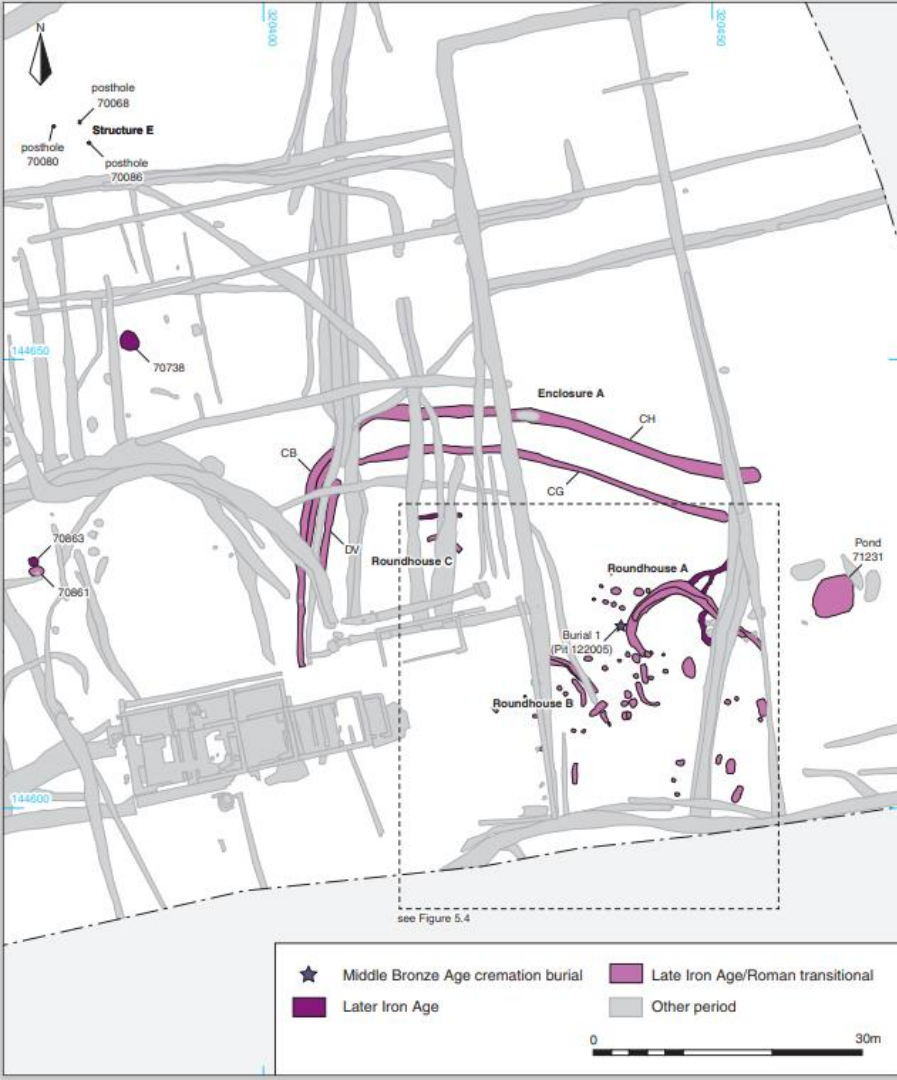
Anchor & fishing weight

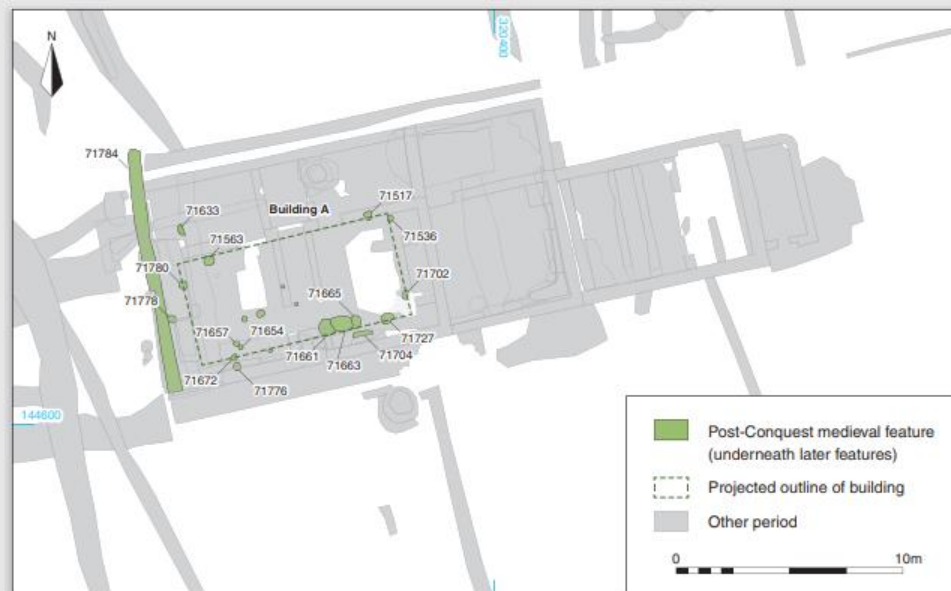


Quern stone

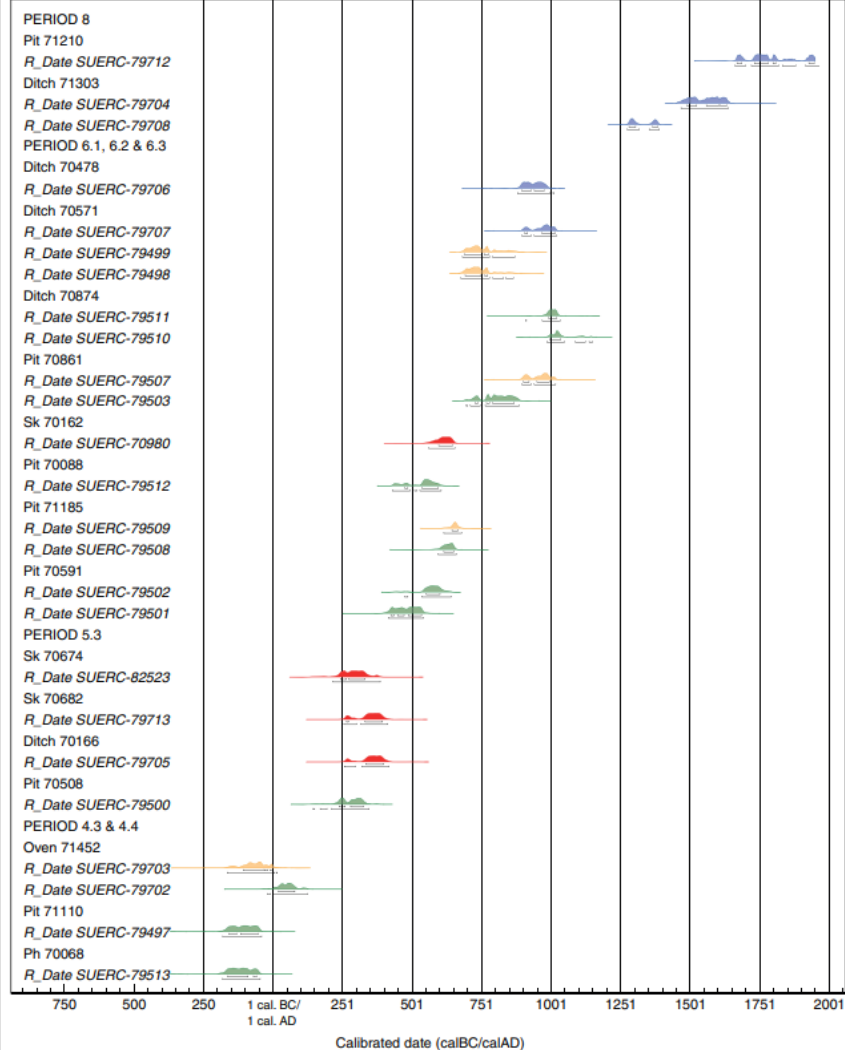


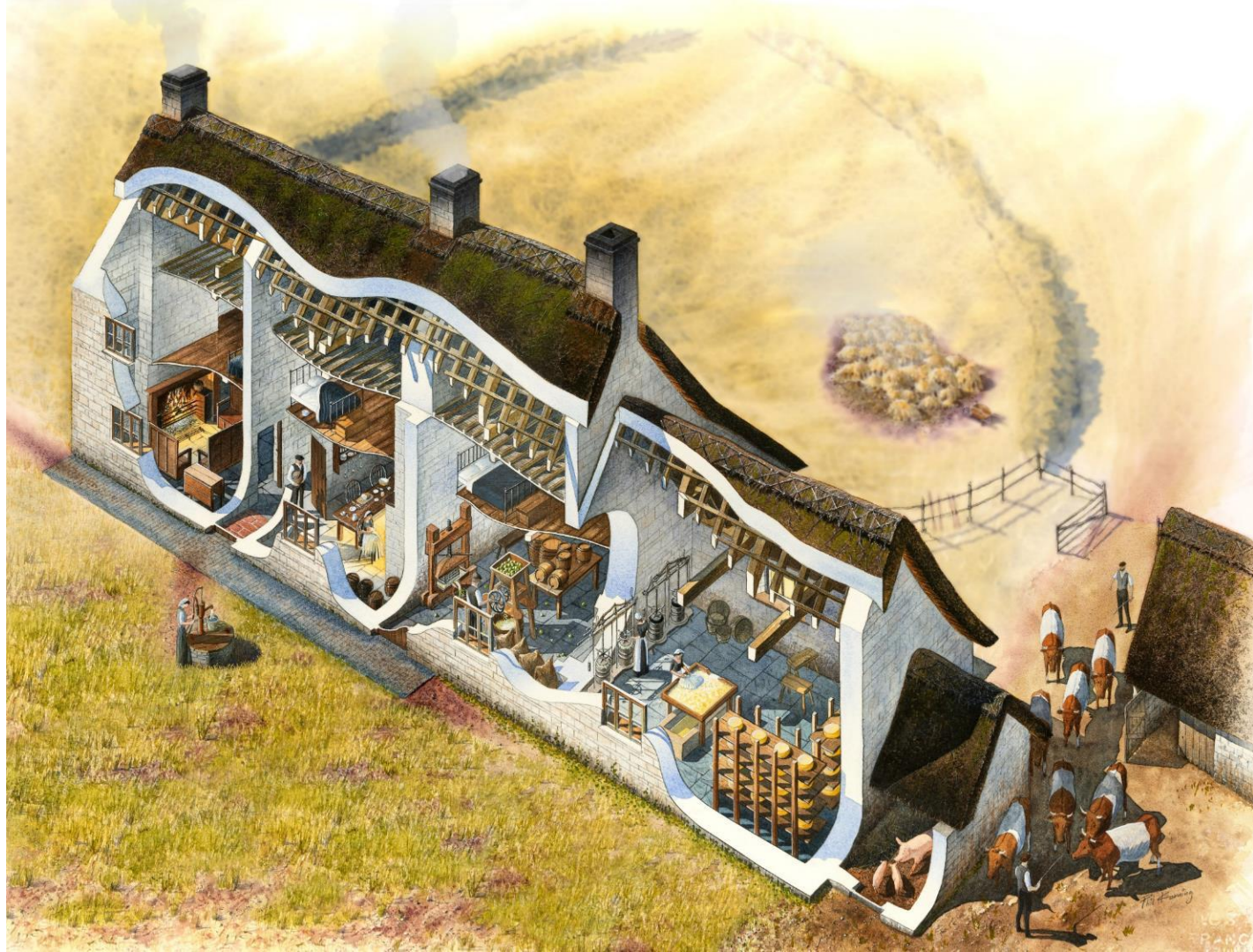
Corners' Farmhouse, Site 7





Corners
Continuity of
occupation





Storperley Garlinder?
Haurisn Symonds

40 Symons of Stomazie lath deposed forsed by vs £ - 8 - 0

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one Gillinghaw one hog set one skilif

In the parlour & parlour chamber to Southern Lodge
one bed show three beds show to bedchamber to 24 hours } 3-0-0
one shoot to bedchamber

William Stoddon

Marston R. Dy

Thomas Symonds

John Bishop

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 Anno Domini 1690. coram Magro Bartholomaeo
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 Richardi Wadley, Arp. Magri Officij vobis viri
 Edwardi Waples, Cor. S. C. B. Arstini, Arstini
 famulorum, Chines, compitup sub iuramento Johannis Symond
 filij dñi domo et sui tunc fuit dñe honoru et dñe
 et dñe fidei fons et pñis iurat et salvo iuramento

John y. Tond.

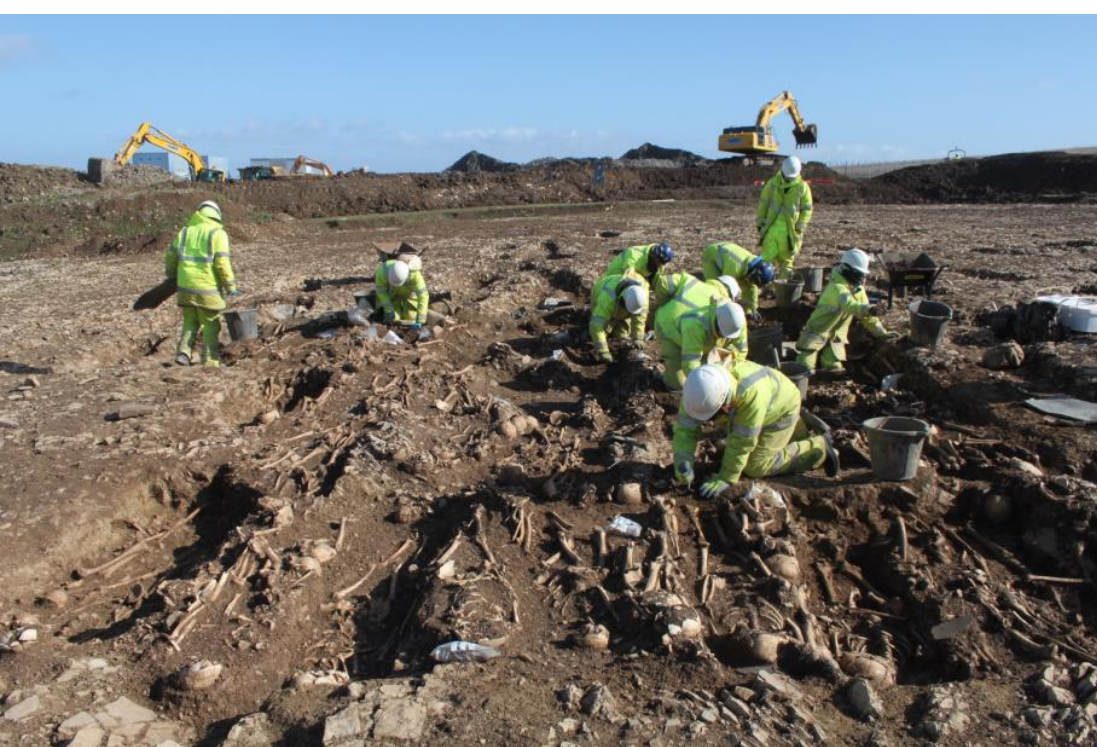


Photo by Justin Owen

Hinkley Point

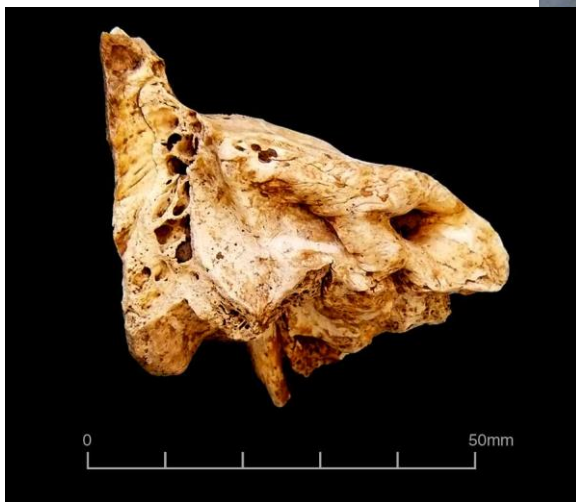
Early Medieval cemetery site







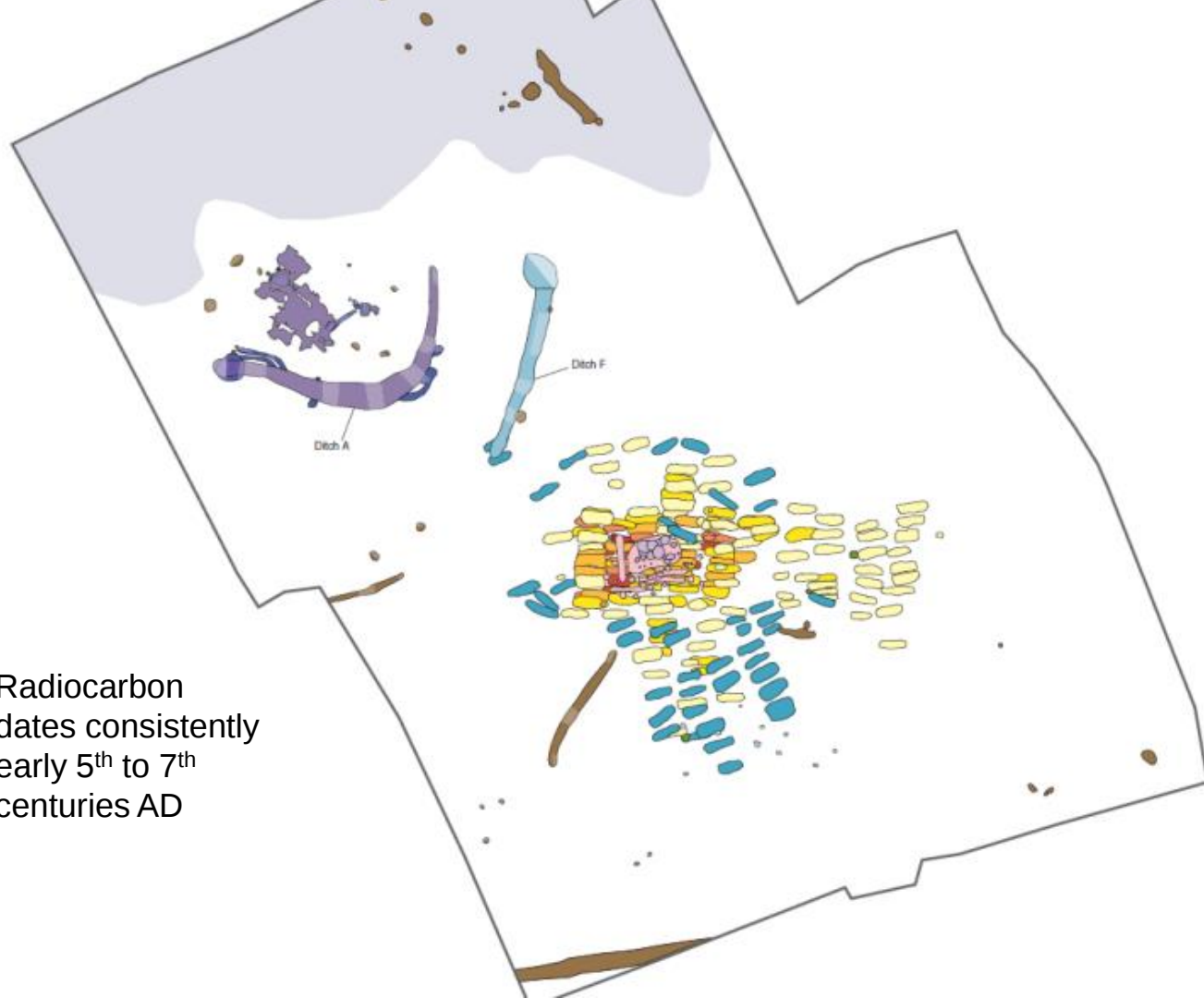




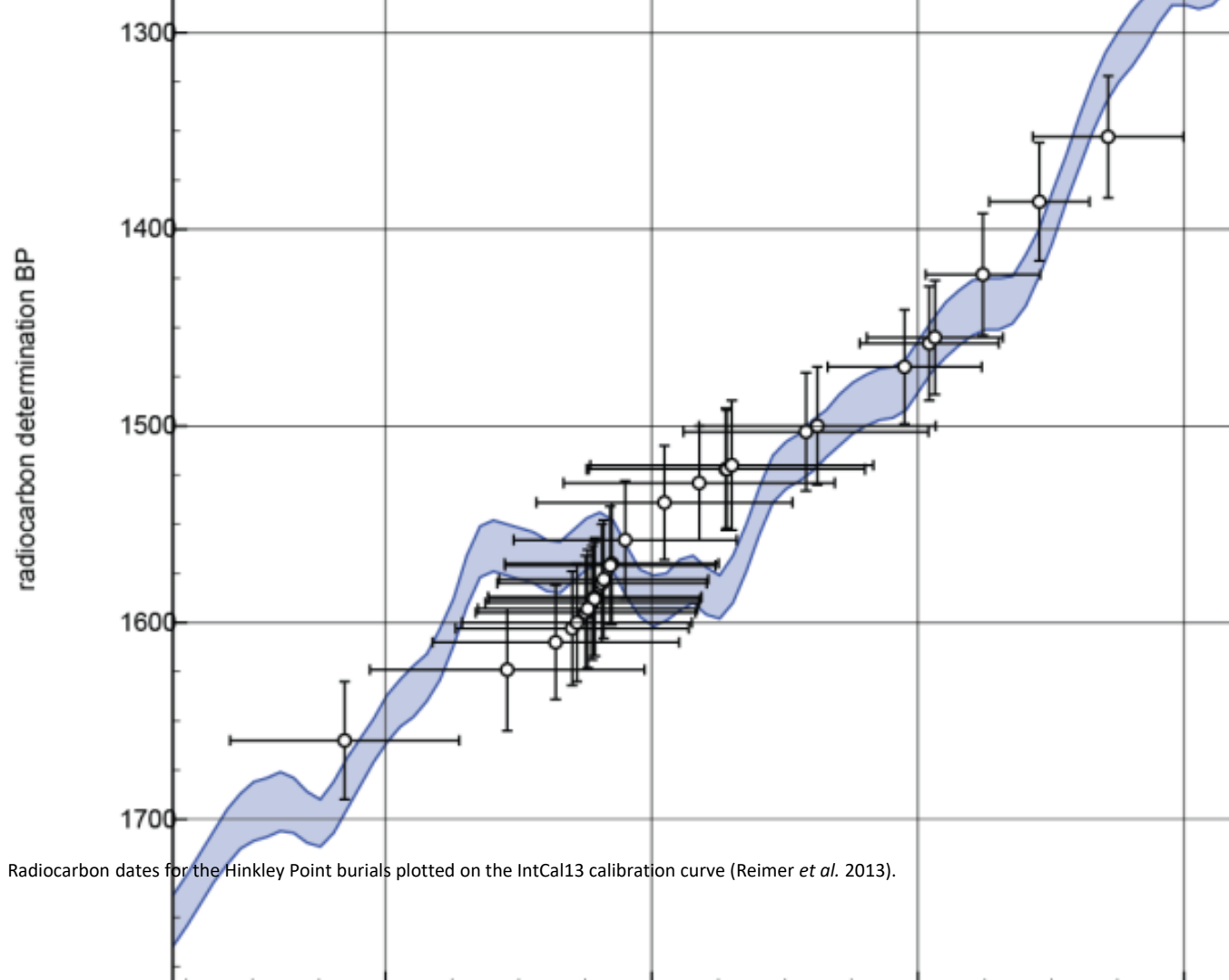
**Cotswold
Archaeology
sampling bones
from HPC early
medieval
cemetery**



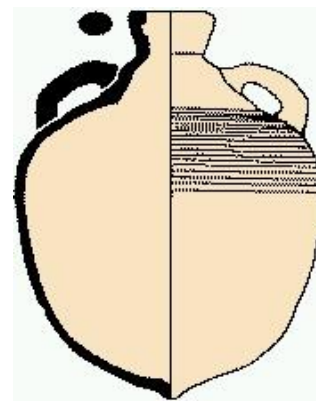
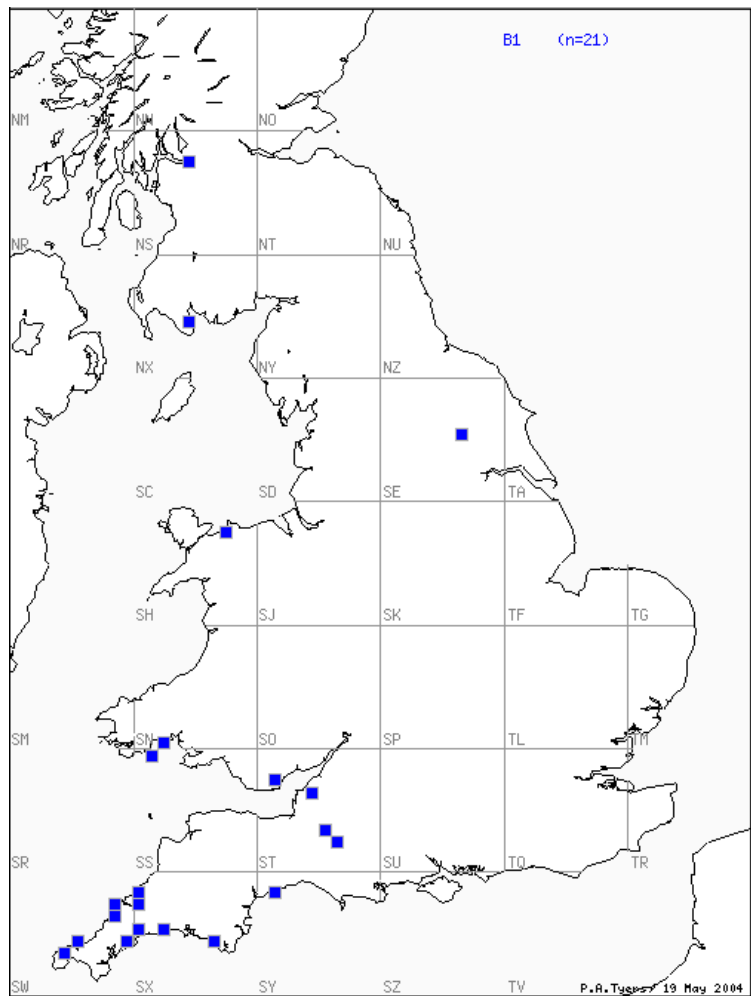
Radiocarbon
dates consistently
early 5th to 7th
centuries AD



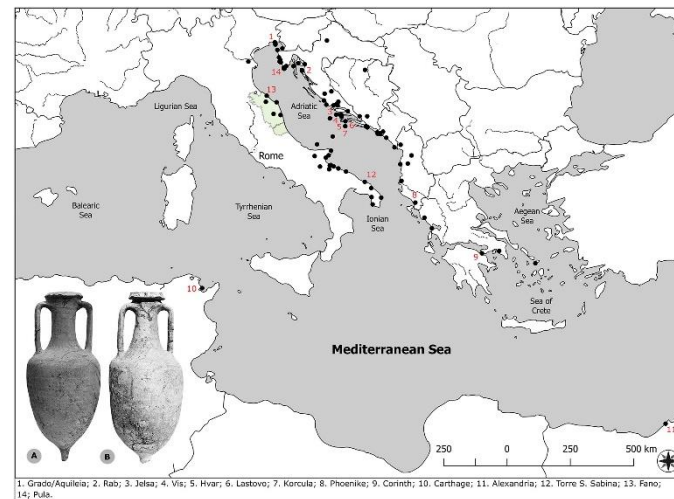




Radiocarbon dates for the Hinkley Point burials plotted on the IntCal13 calibration curve (Reimer *et al.* 2013).



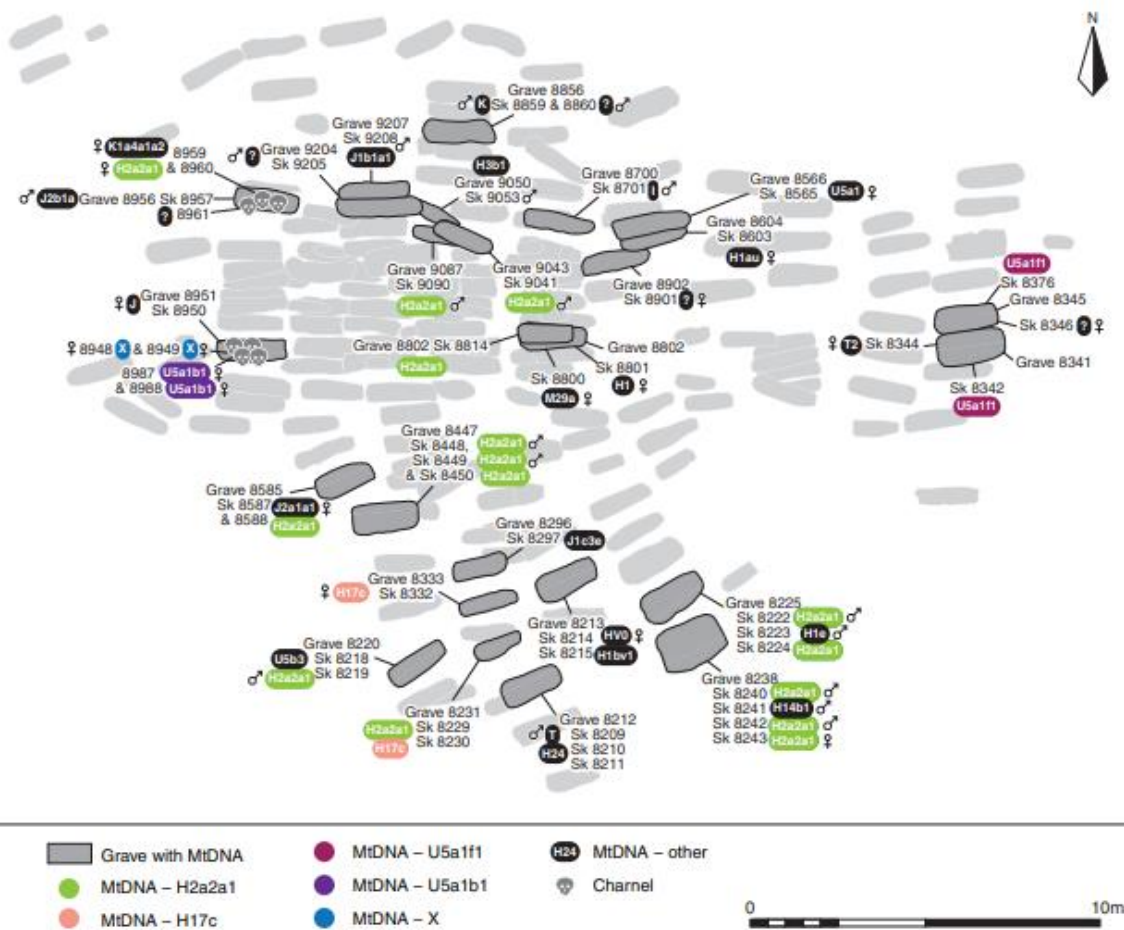
Late Roman 2 amphora imported into SW Britain in the 5th -6th centuries



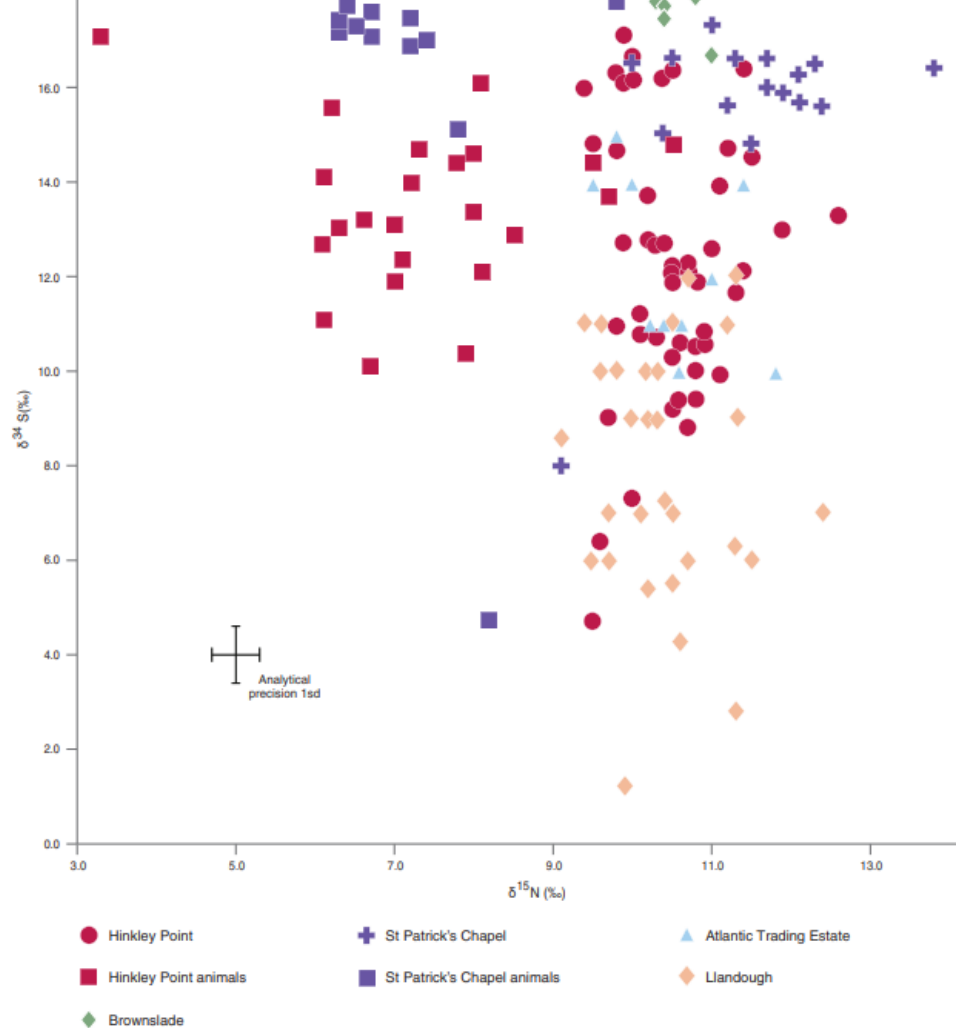


Right hand
healed
amputation
and left foot
healed
amputation





aDNA:
Maternal
Kinship
Relationships



Isotopes:
A Local
Population



- Contextualisation
 - – Universities of Bournemouth and Exeter
- DNA – Francis Crick Institute, Manchester University, Natural History Museum
- Isotopes - Scottish Universities Enviro Research Centre, Glasgow

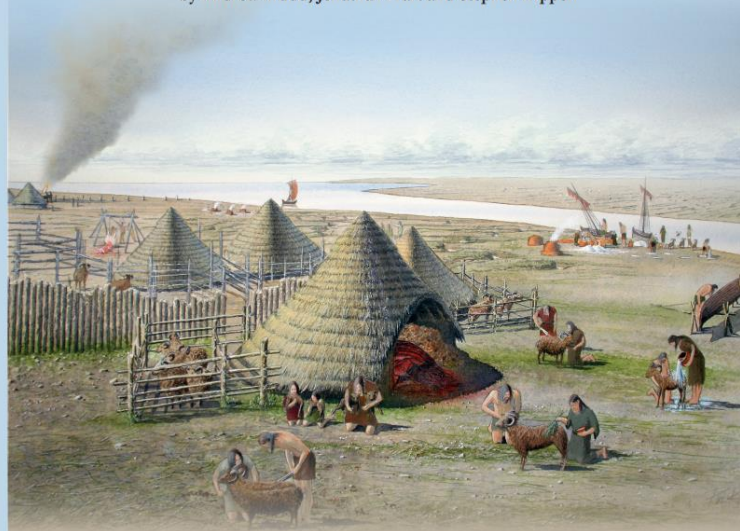


And many, many, more

**THE ARCHAEOLOGY OF
HINKLEY POINT C NUCLEAR POWER STATION
SOMERSET
EXCAVATIONS IN 2012–16**

Volume 1: Rural Settlement and Farming from the
Prehistoric to Modern eras

by Andrew Mudd, Jonathan Hart and Stephen Rippon



Cotswold Archaeology Monograph 18

**THE ARCHAEOLOGY OF
HINKLEY POINT C NUCLEAR POWER STATION
SOMERSET
EXCAVATIONS IN 2012–16**

Volume 2: The Early Medieval Cemetery

by Andrew Mudd, Sharon Clough, Frances Healy,
Mandy Jay and Linus Girdland Flink



Cotswold Archaeology Monograph 19

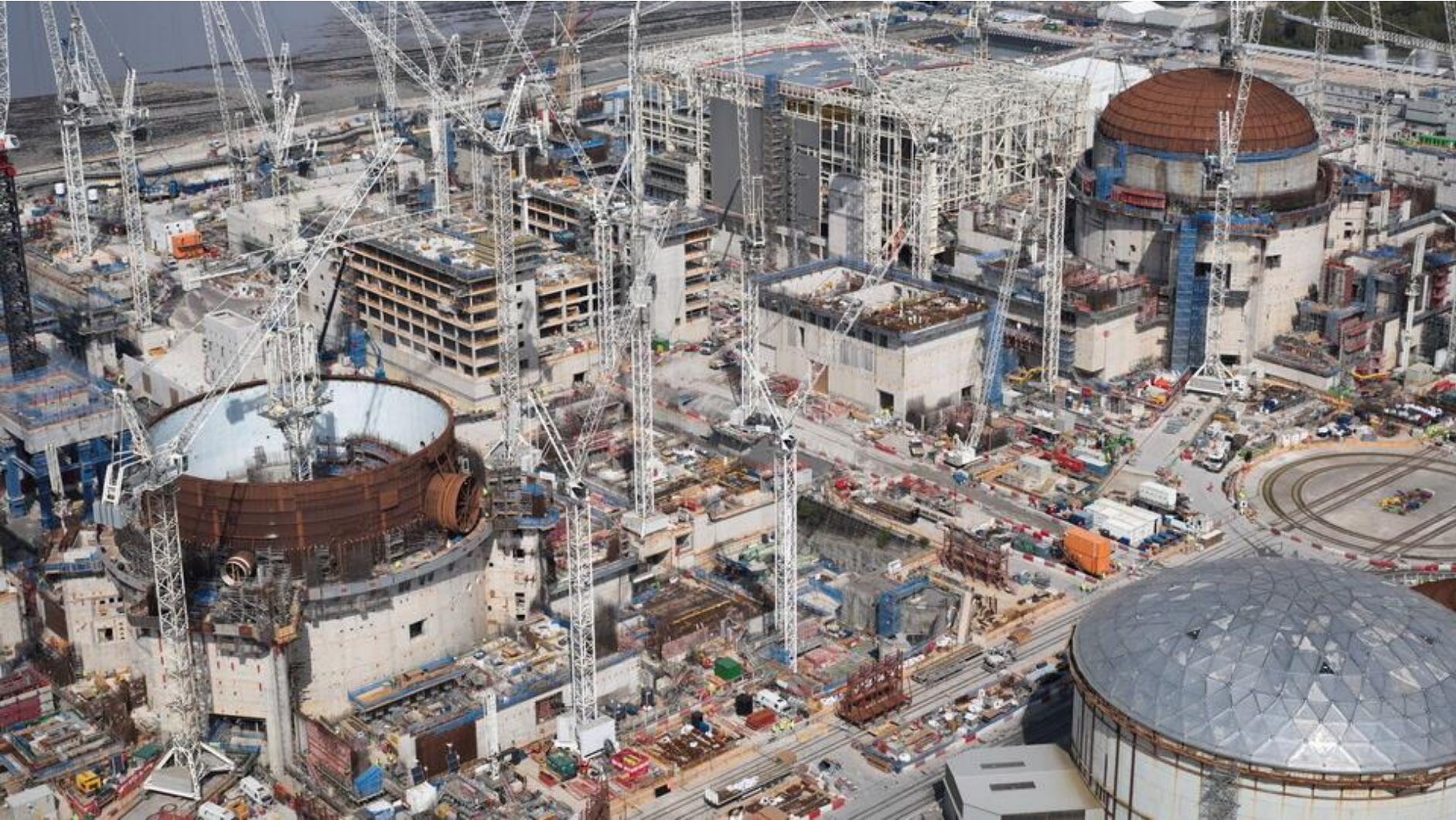


Thank You

Item 3: Project Progress Update

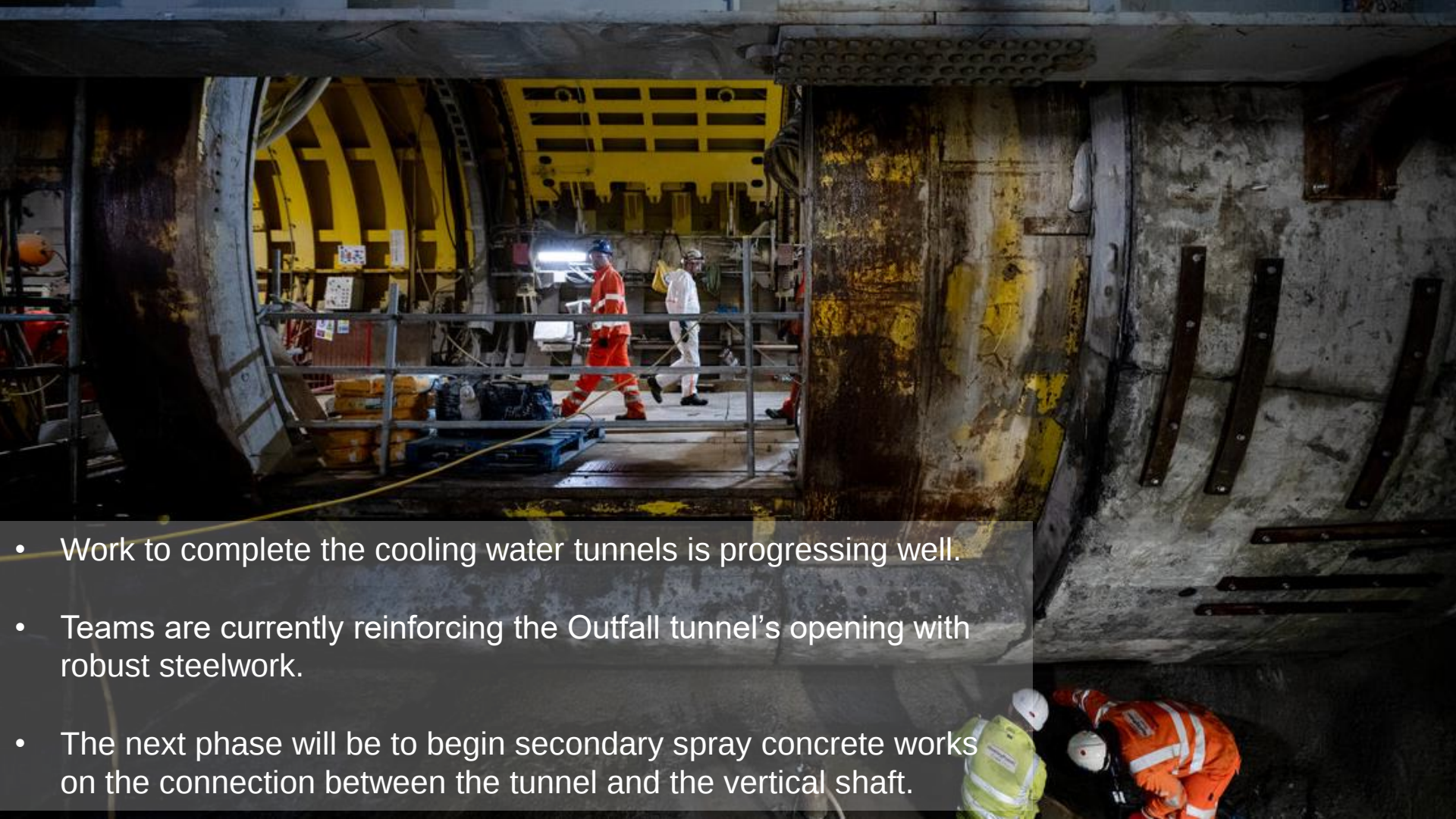
Andrew Cockroft

Senior Manager – Stakeholder Relations

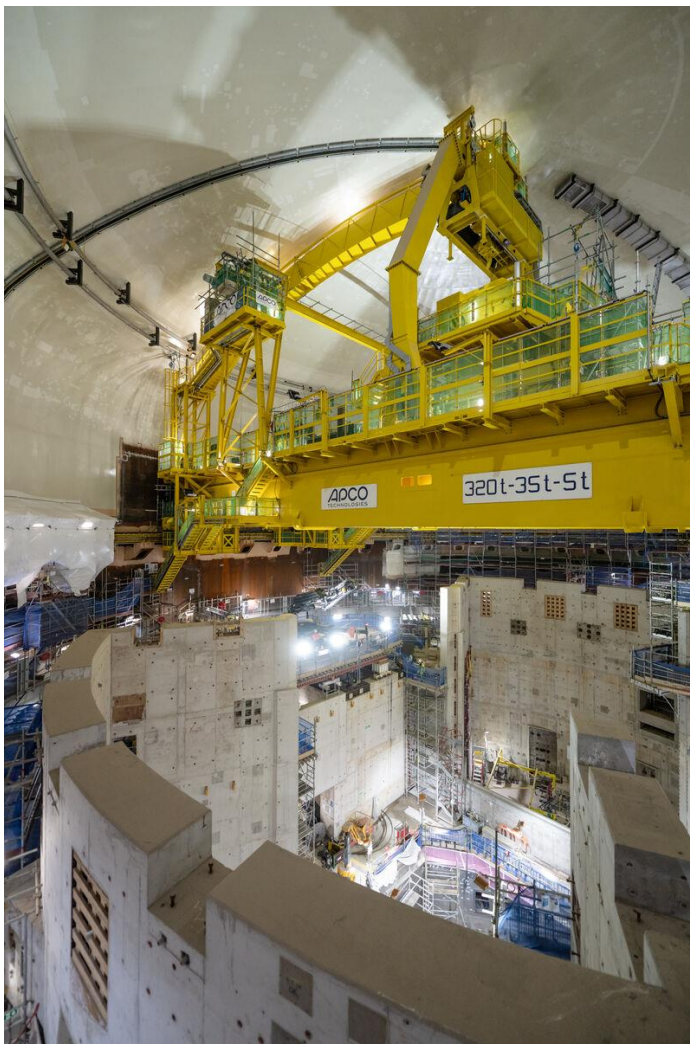




- Hinkley Point C's **Steam Generators** began arriving into Combwich on 7th May 2024.
- They have since made their way up to the construction site.



- Work to complete the cooling water tunnels is progressing well.
- Teams are currently reinforcing the Outfall tunnel's opening with robust steelwork.
- The next phase will be to begin secondary spray concrete works on the connection between the tunnel and the vertical shaft.



- The pouring of two slab ledges within unit 1's **containment building** marked the completion of all concrete works above the +19.5m level in Unit 1 Reactor Building.

This means that the major civils work has been completed on the 'inner structures' of the building

- Focus has now shifted to the next phase of work, the coating of the walls and liner, to complete rooms and hand them over to MEH.

Latest Progress

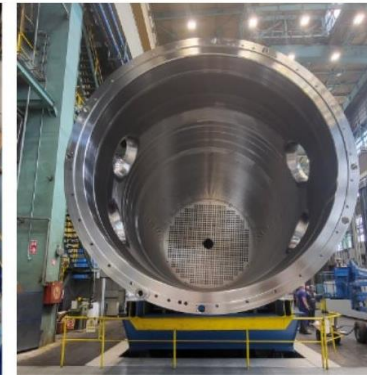
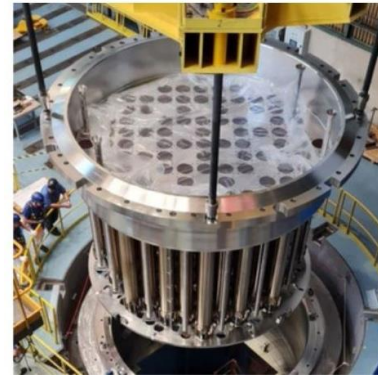
MEH – Marshalling Cabinets

- The MEH team has successfully installed the first 6 Electrical Marshalling Cabinets in the Electrical Building. Five more are currently being stalled.
- The cabinets are manufactured by Staffordshire-based Capula and are part of HPC's instrumentation and control system.



EQUIPMENT – Reactor Core Internals

- The reactor core contains a series of internal components that hold the 241 fuel assemblies, guide the control rods and regulate neutrons around the fuel.
- They were delivered safely by ship to Avonmouth on the 19th February.

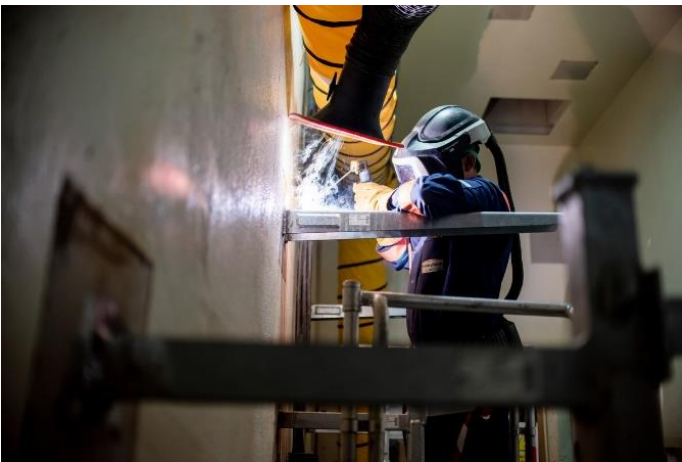


Looking Forward to 2024

**We will install
the reactor
pressure vessel**



**The MEH phase
will accelerate**



Heat
exchanger
installation

Spent fuel
building
pool slab
poured

Unit 2
pumphouse
walls
complete

First phase
of pre-
stressing of
reactor
building

Auxillary
transformer
systems ready
for
commissioning

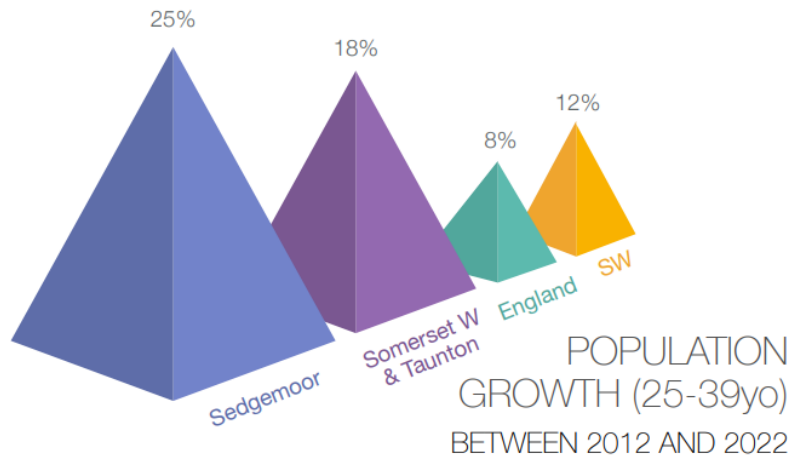
Unit 2
reactor
cavity
installed

Material Change Application - Update



Supporting the next generation

Local Growth in Lower Age Groups



Key Facts

- Youngest person on the project: 15
- Oldest person on the project: 83
- Total number under 25: 1392
- Somerset workforce under 25: 477

Workforce Development Update

Background

Year	Update	Forecast Peak
2013	Original DCO assumption and forecast of workforce on-site during the peak of construction.	5,600
2019	Reviews of workforce numbers to ensure best in class quality and maintain the programme following the Covid-19 pandemic.	8,600
2022	Further mitigation measures agreed and put into action	
2024	Strategic cost and schedule review. Accounted for the significant adaptation of design to meet British regulations, high inflation and labour and material shortages. TODAY: Review of mitigation measures to ensure impacts are limited and opportunities maximised.	Over 12,000

Why the change?

1. Organisational - A wider overlap between the Civils and Mechanical and Electrical phases of construction.

2. Speed - we are working to complete Hinkley Point C around the end of the decade and focussed on commissioning unit 1 in 2029.

3. Clarity – Following their mobilisation we have a better forecast from the MEH Alliance on the workers they will require in the years ahead.



Does an increased workforce require planning permission?

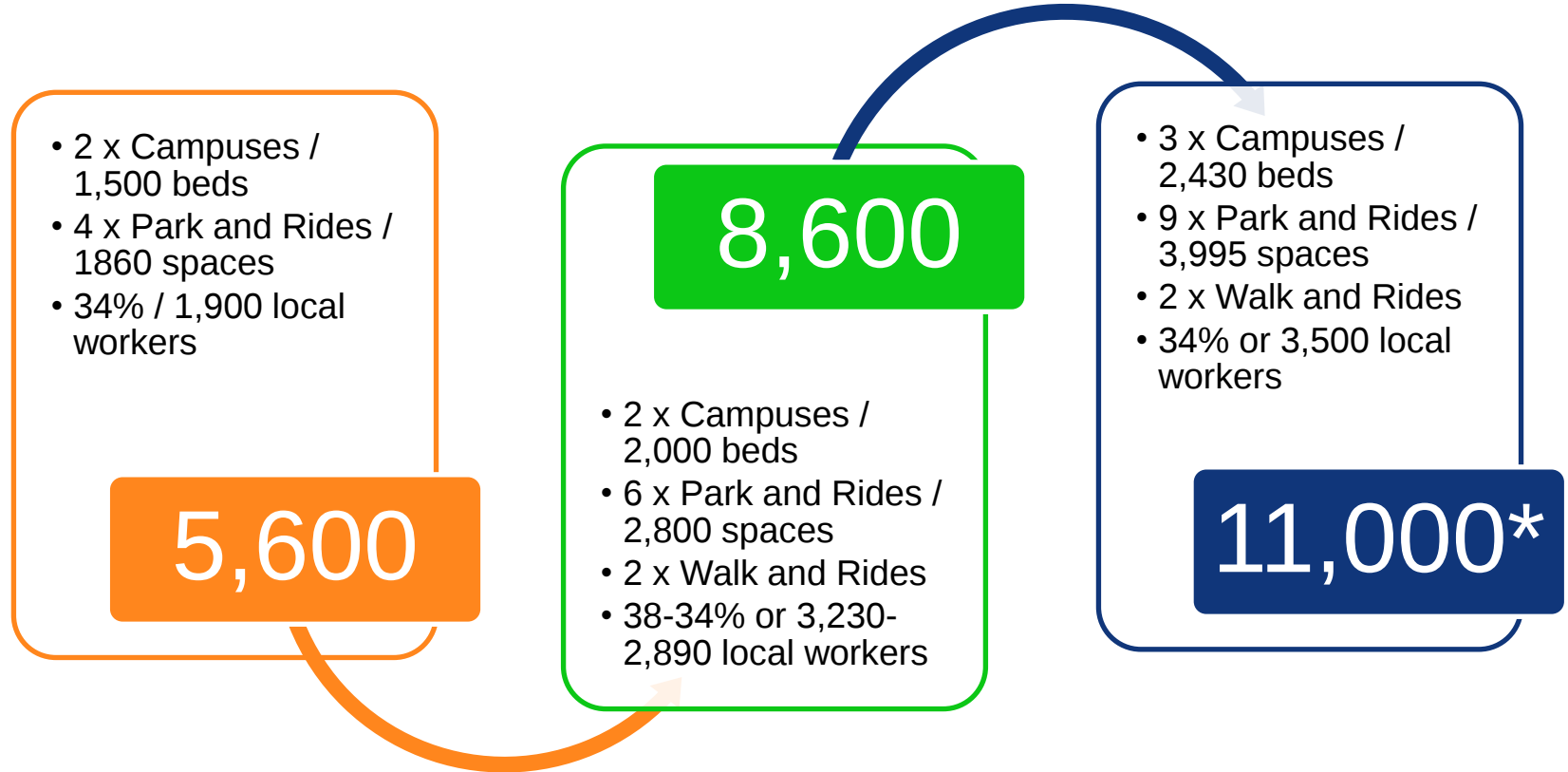
- **No** - There are no requirements or other restrictions within the Development Consent Order.
 - The physical form of the power station will not change
 - There are no legal obligations which limit the number of workers
- **We appreciate our potential impact on the local community** and will continue to limit impacts as far as possible whilst also ensuring the huge benefits can be felt locally.
- **We are reviewing the relevant topics from the DCO Application and Environmental Statement** to determine if our strategies should be updated .
 - We now have the ability to consider **actual** impact rather than forecast.
 - Amendments to strategies can be made provided that amendments do not give rise to any materially new or materially different environmental effects.
 - We expect mitigations to fall under the existing or adjusted Section 106 agreement.



Recap on mitigation changes

1. The Socio-Economic Advisory Group and Transport Review Group agreed an update of mitigation measures in May 2022.
2. The assessment was underpinned by 6 Topic Papers.
3. We revised 4 key strategies and agreed a supplemental s106 agreement to capture additional mitigation.
4. Delivery of key mitigation has been managed and monitored over the last 2 years through engagement at SEAG, TRG and established working groups.
5. Financial payments have been made in accordance with supplemental agreement to provide for delivery of mitigation by Somerset Council.

Changes made to continue limiting impact



Comparison of the Location of Non-Home-Based Workers.

DCO

Workers –
Housing Fund Bedspaces

40 -179

40 -206

10 26

70 -57

310 -517

60 0

20 0

190 228

50 0

240 -653

20 0

150 -287

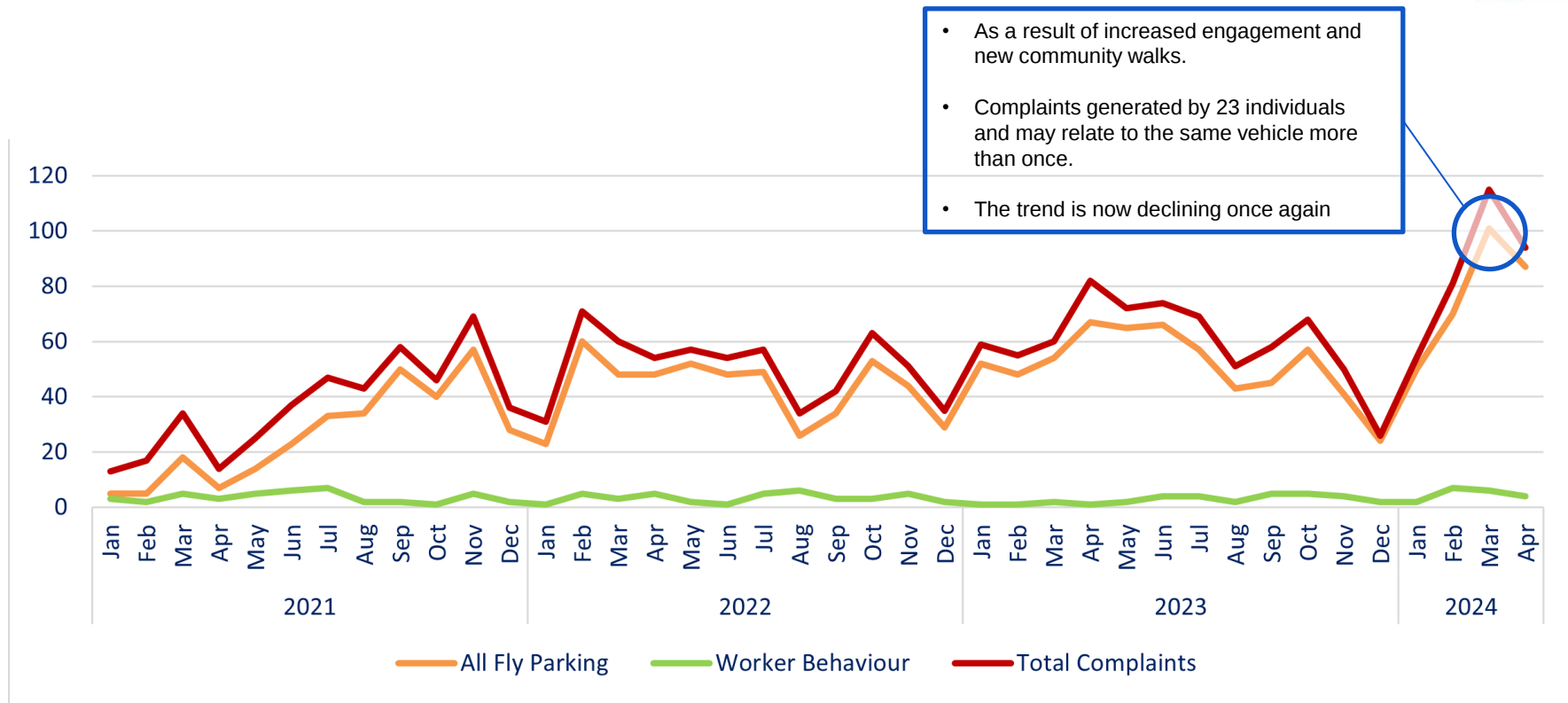
Overall there are 2,034 HPC workers staying in the Private Rented Section

The Council has delivered **3,873 (+1,839)** bed spaces using the Hinkley Housing Fund

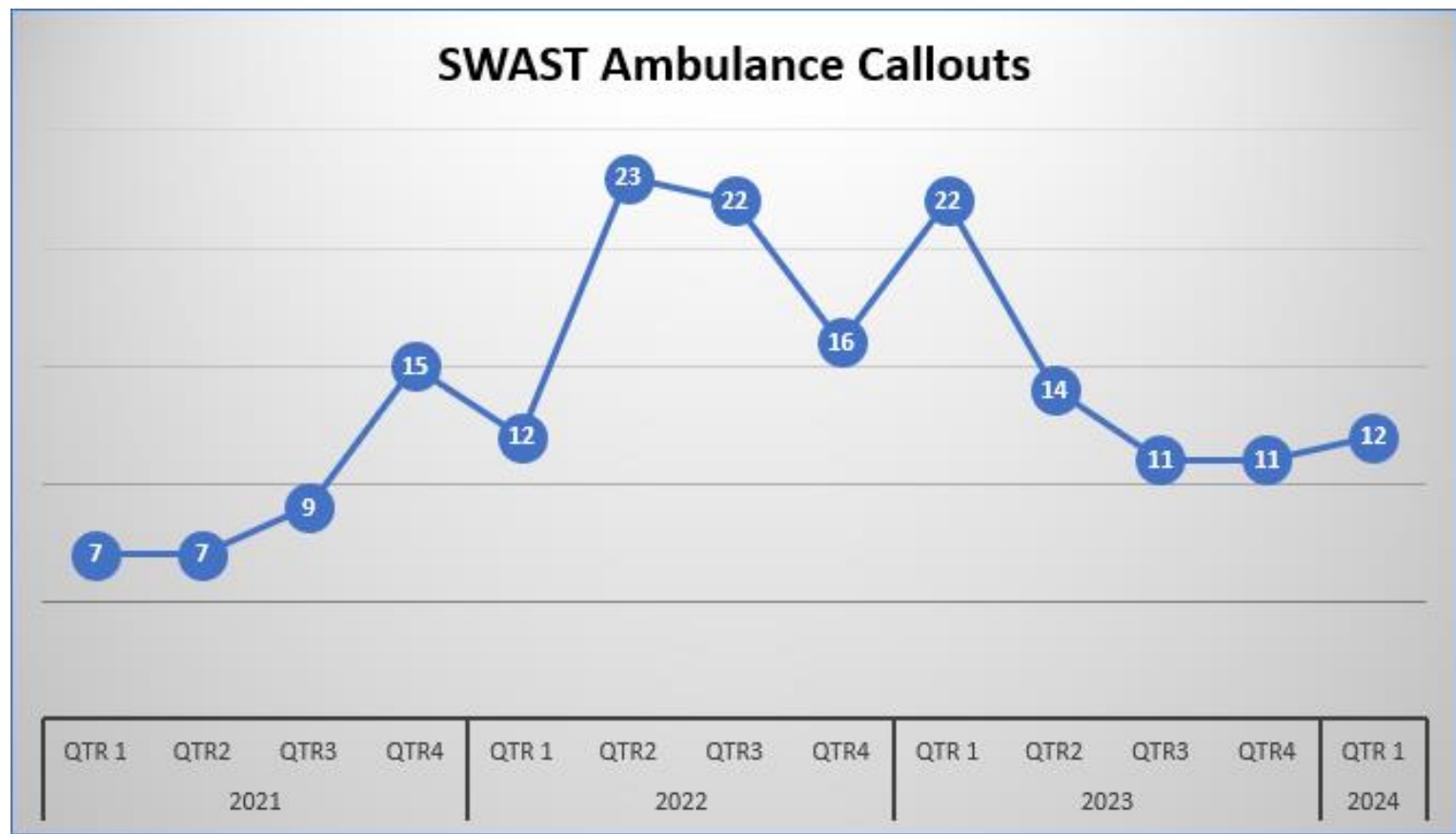
Construction Workforce Travel Plan (CWTP)

Final Journey to HPC	Target	Q4 (22/11/23) Workforce	%
Walk	9%	522	5.2%
Cycle	0%	63	0.6%
Motorcycle	0%	37	0.4%
Car (Driver)	4%	222 (202 car driver on own and 20 with passenger)	2.2%
Car Passenger via HPC Car Park	-	21	0.2%
Car Passenger via Drop Off Location	-	131	1.3%
 HPC Bus Service	87%	8,965	90% 
Total	100%	9,961	100%

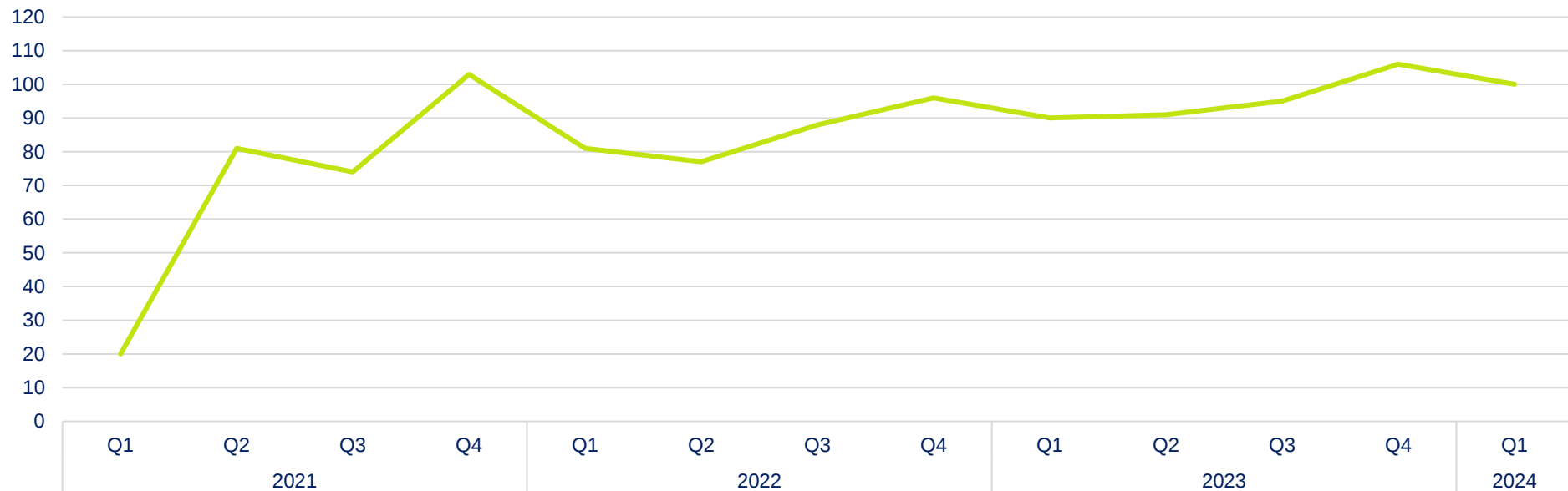
Current impact example – Complaints since 2021



Current impact example – Ambulance Calls since 2021

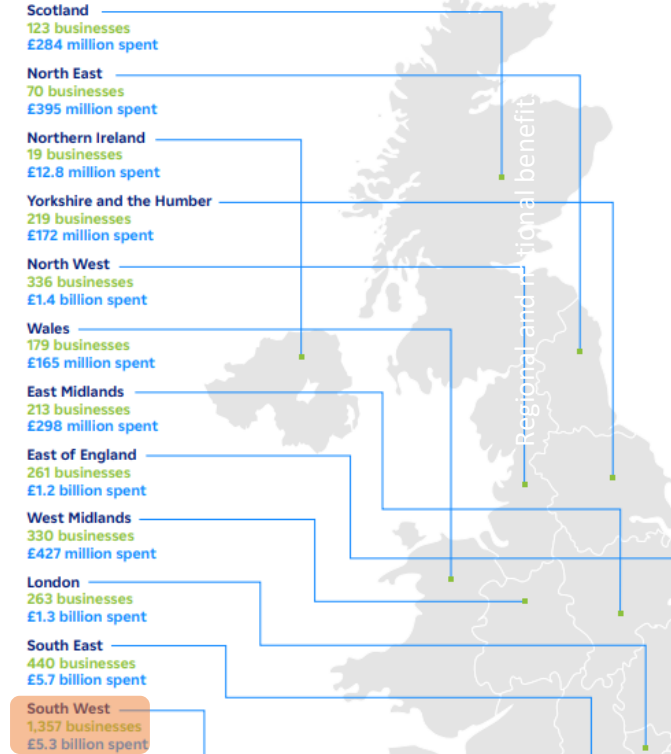


Current impact example – Reported Crime since 2021



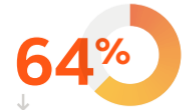
Significant social and economic benefit

- Hinkley Point C has been supporting local businesses into the supply chain for over a decade.
- The project continues to work with the Somerset Chamber of Commerce, Somerset Council and the South West Manufacturing Advisory Service to encourage inward investment and link local businesses to the opportunities available.
- We see significant growth and local investment, including the UK's first giga-factory locating to the area.



3,800

British businesses in the supply chain



71,000

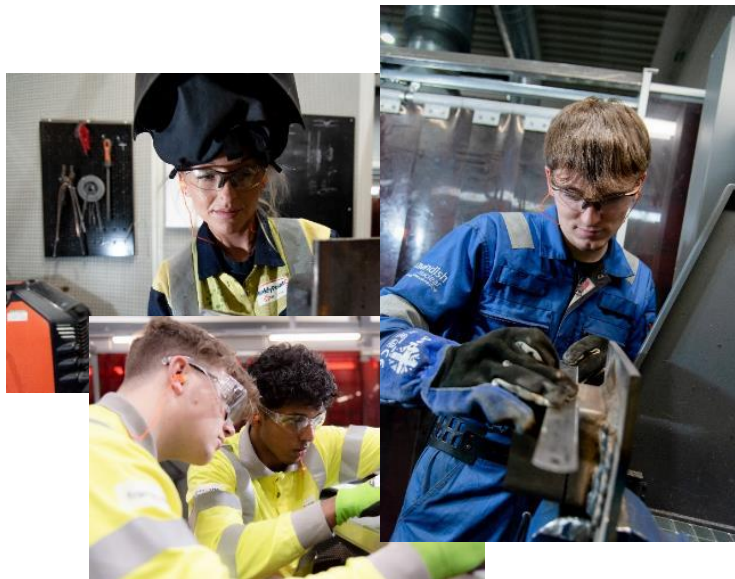
jobs will be supported across Britain by the end of construction

£7.3 billion

The expected total spent with regionally based businesses by the end of construction

Significant social and economic benefit

- Hinkley Point C proves that the transition to net-zero can also deliver huge social and economic benefits, changing lives and communities for the better.
- New training centres will offer **30,000 places** as we reach peak construction. The project will help them to upgrade their skills to get better jobs, better pay which in turns supports regional productivity.



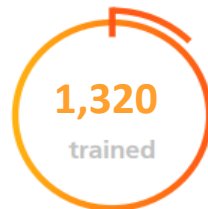
Skills investment

£24 million invested directly into Education, Skills and Employment



Training

30,000 training places available between now and Hinkley Point C's completion



Apprentices

1,320 apprentices have been trained at Hinkley Point C so far

Original target: 1,000



Job opportunities

23,500 jobs created directly on site so far

Target: 25,000

Significant social and economic benefit



Welding Centre of Excellence

Trainees are learning the specialised techniques required for nuclear projects. Since opening in 2020, more than 500 welders have been trained and tested, ensuring they have reached Hinkley Point C's competency standards. The Centre also provides routes for those seeking employment in welding, through the government's bootcamp training scheme.



Electrical Centre of Excellence

The facility, based at the Somerset Energy Innovation Centre in Bridgwater, provides training to support the electrical fit-out of Hinkley Point C. It also hosts candidates from the Hinkley Support Operative programme, which works to up-skill local people seeking employment and looking to begin new careers in construction.



Mechanical Centre of Excellence

Due to open later in 2022 and located next to the Construction Skills and Innovation Centre in Bridgwater, the facility will feature simulations of the Hinkley Point C site. Students will be trained and tested in mechanical installation techniques including pipefitting, steel erection and plating, ensuring they meet the high standards required for nuclear projects.

8,000

→ people have been trained at Hinkley Point C's new Centres of Excellence so far

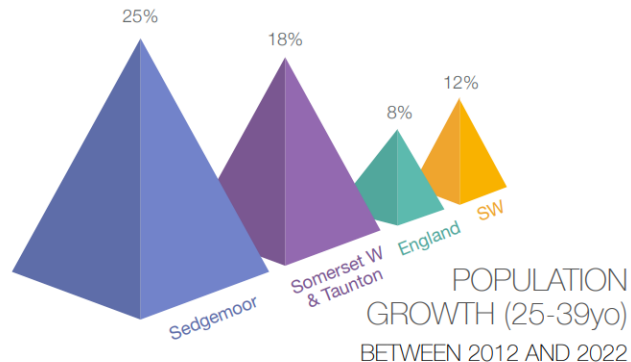
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→ of people being trained today are from Britain's most deprived areas

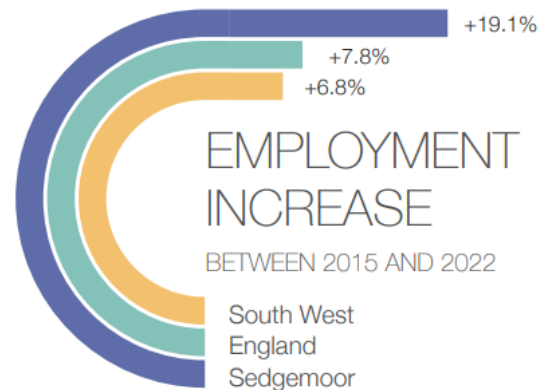


Outcomes – Positive Economic Improvement

Growth in Lower Age Groups



Employment



Economic Boost



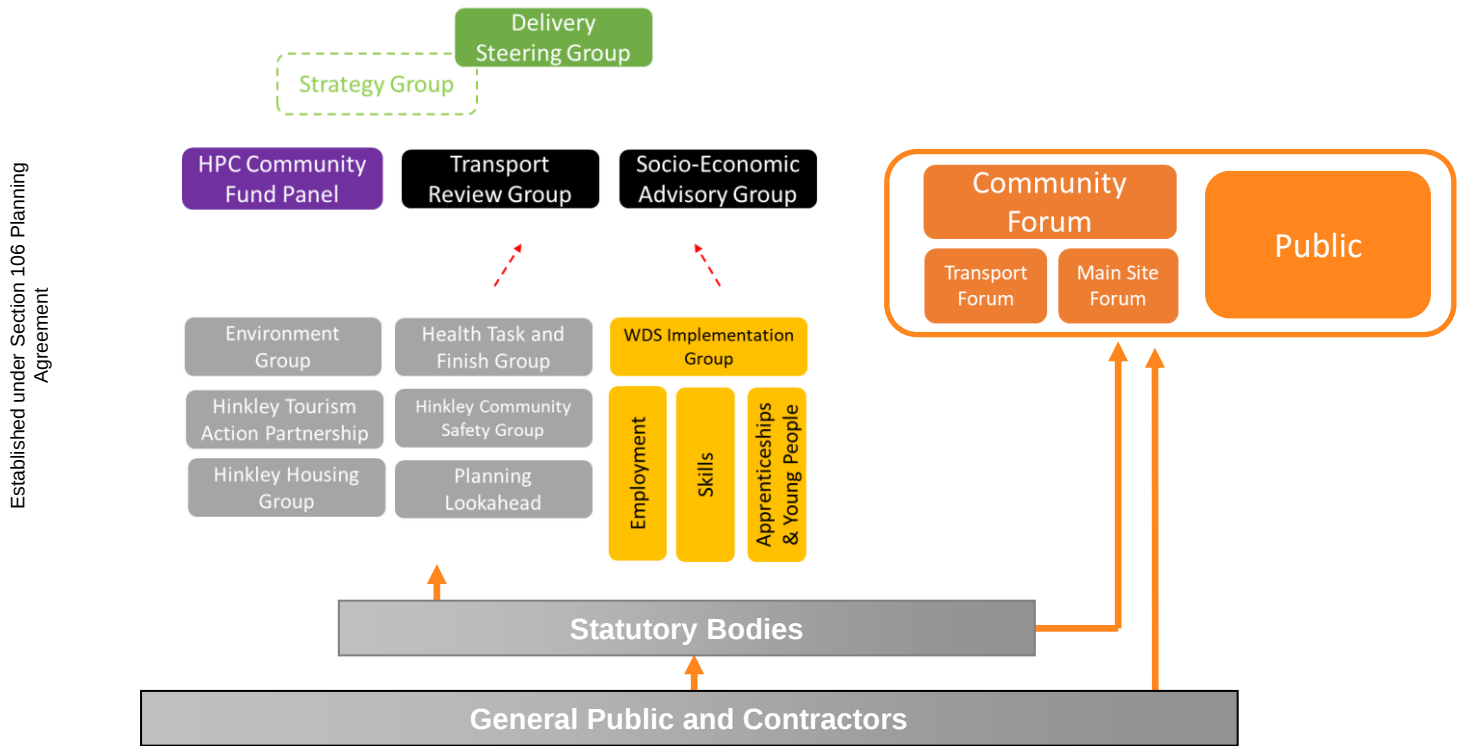
x10

→ The district area is seeing a growth in the number of medium-sized companies that is ten times higher than anywhere else in the South West

10% higher

→ The local town of Bridgwater is seeing productivity levels 10% higher than surrounding towns

Monitoring and feedback



Scenarios to be tested

- Understanding that there are limits to workforce expansion both at HPC itself and in the Community.
- Strategy of minimising who needs to come to site and how to best utilise modern ways of working and our other project locations.
- Considering new patterns of working and commuting to understand the true workforce impact in some of the topic areas
- Developing scenarios based with the benefit of the real life, practical experience and evidence.
- The Topic Papers are being updated to test scenarios and agree the package of mitigation.

Mitigation being considered

Community Safety

Additional funding and support for Emergency Services and Community Safety posts

Accommodation

Additional funding for the Council alongside options for Campus extensions and caravan park expansion

Health

Further expansion of the Hinkley Health service to continually meet demand

Opportunity and Benefits

Local business engagement and maximisation of training and employment support

Transport

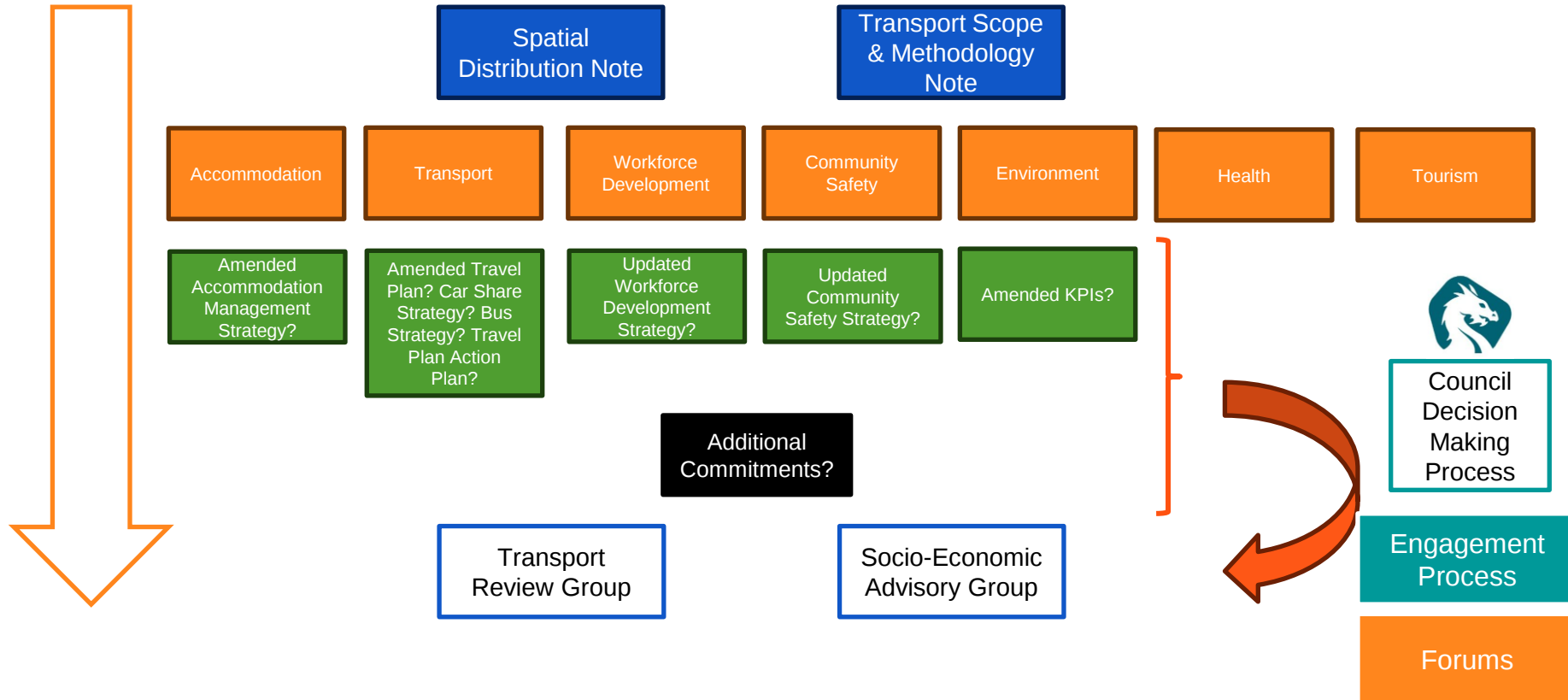
Maximise the use of bus service to minimise car local car movements and remain within DCO caps.

Community Fund

Continued use of the Community Fund beyond the peak of construction and focus on sustainability

Maintaining our successful existing mitigation until end of construction phase

Process and Engagement



Next Steps and Timetable

1. Finalisation of an *updated* Spatial Distribution Note
2. Topic Papers will be revised and presented to the Council, Emergency Services and Health Authority
3. Discussions on the extent of mitigation required
4. Revisions to strategies prepared (accommodation, travel plan, community safety and workforce development)
5. Joint Forum Meeting to discuss content of papers, mitigation and strategies
6. Strategies and supplemental agreement discussed at SEAG and TRG
7. Conclusion by the end of Summer 2024 and joint forum workshop

*Timing of Council's public engagement TBC

Thank You

Item 5: Any other business

Chair

Item 6: Date of next meeting:

Thursday 17th October 2024 at 6pm

www.edfenergy.com/hpccommunity

Thank You