

# Welcome

# Agenda:

## Main Site Forum – Thursday 15<sup>th</sup> 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





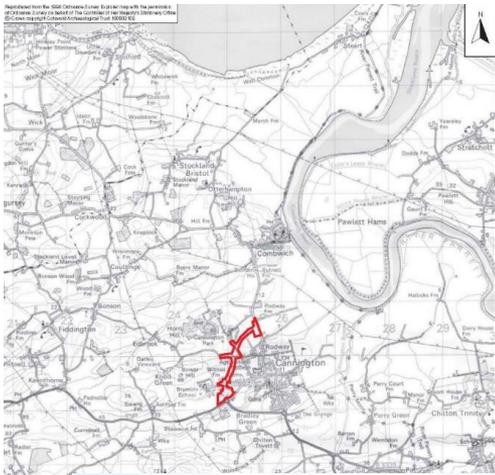


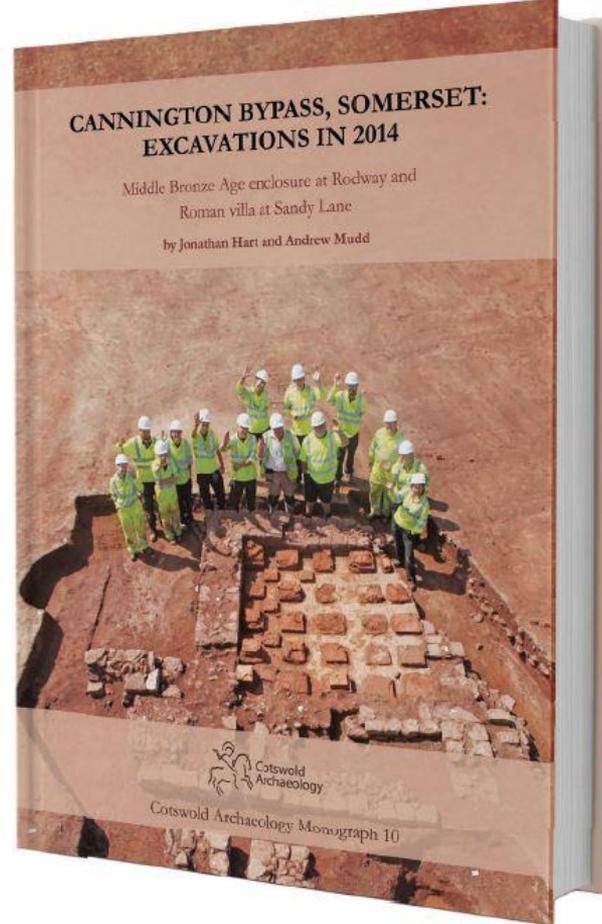
Saxton Map 1575



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

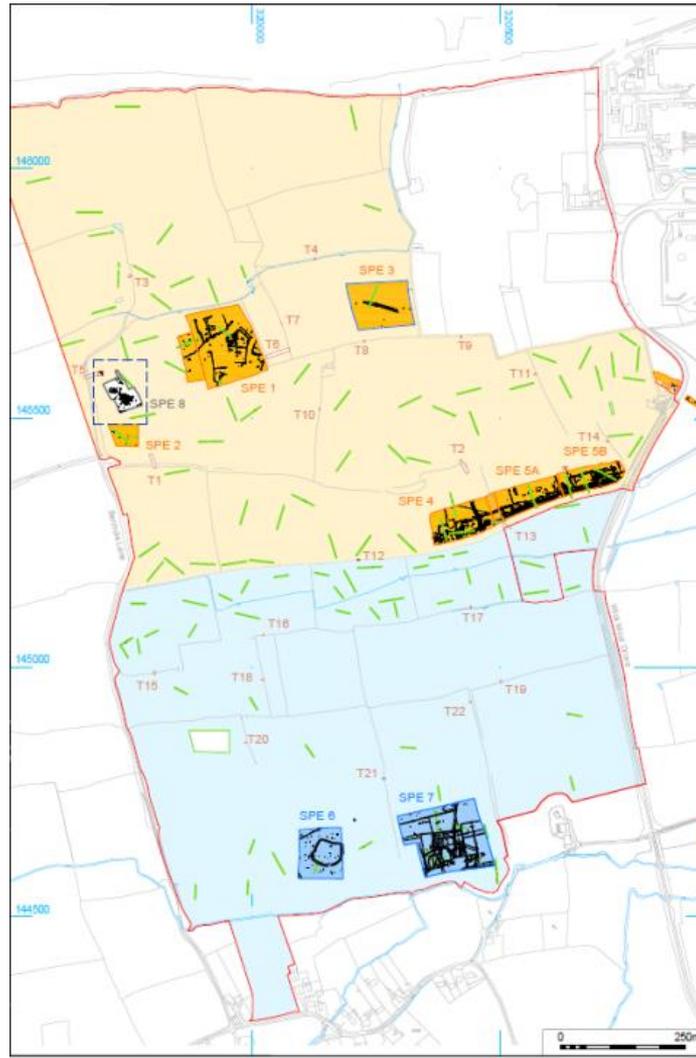
SPE 3 Bronze Age midden

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

SPE 6 Bronze Age enclosure

SPE 7 Multiperiod settlement

SPE 8 Early Medieval burials





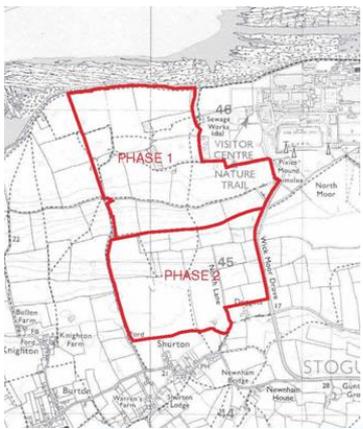
Wick Barrow – Victor Ambrus



**Historic Farm Buildings**



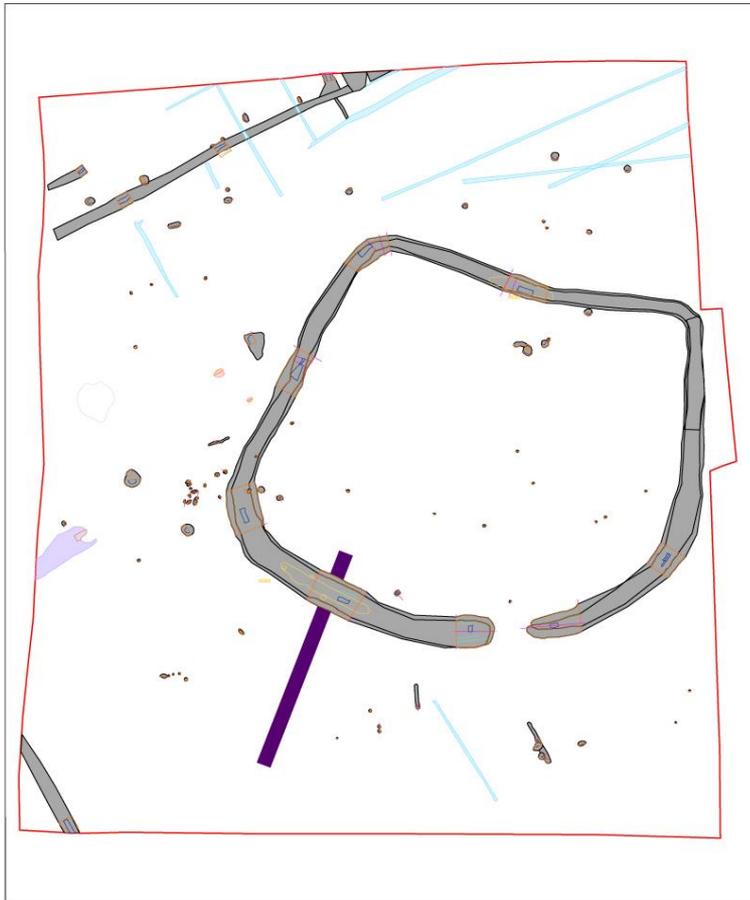
Benhole Farm c 1890 by Victor Ambrus



## The Hinkley Point 'main site'







## Shurton, Site 6, Bronze Age Enclosure


 Cotswold  
Archaeology  
www.cotswoldarchaeology.co.uk

PROJECT NAME  
Hinkley Point excavation site

DRAWING TITLE  
Survey update showing SPE 6.  
18/04/2016

DESIGNED BY	ADP	PROJECT NO.	4216	ISSUED NO.	
DRAWN BY	SP	REVISION	01		
CHECKED BY	RENECWA	SCALE	1:500		02

- SPE Area
- evaluation trench/excavation sites
- archaeological feature
- geological feature
- modern
- field drain
- treethrow



0 10m

# 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

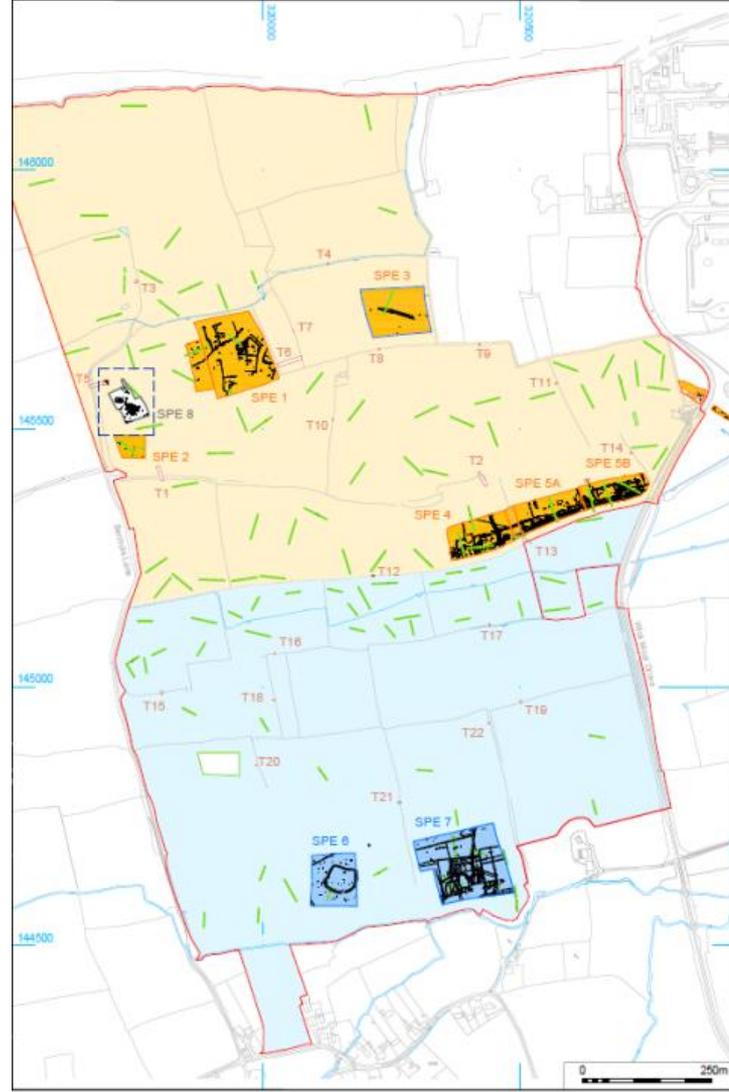
SPE 3 Bronze Age midden

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

SPE 6 Bronze Age enclosure

SPE 7 Multiperiod settlement

SPE 8 Early Medieval burials





Iron Age Farm  
by Victor Ambrus



Roman Corn  
Drier



**Roman  
brooches**



**Bone tool**



**Samian  
ware**



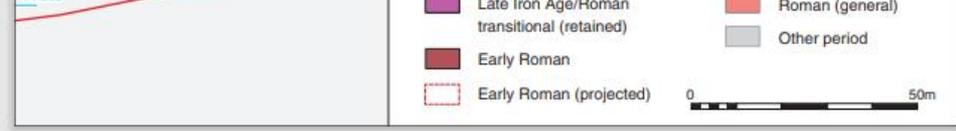
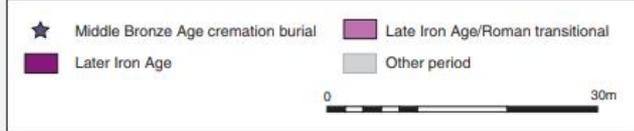
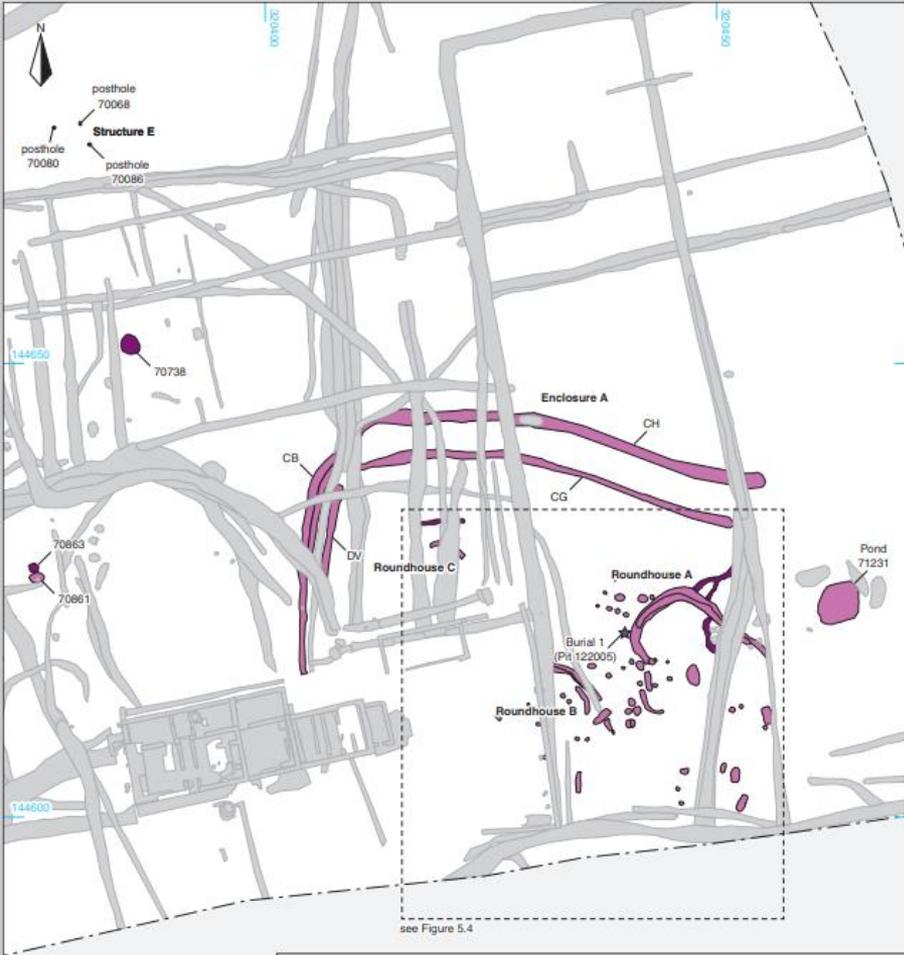
**Anchor & fishing weight**

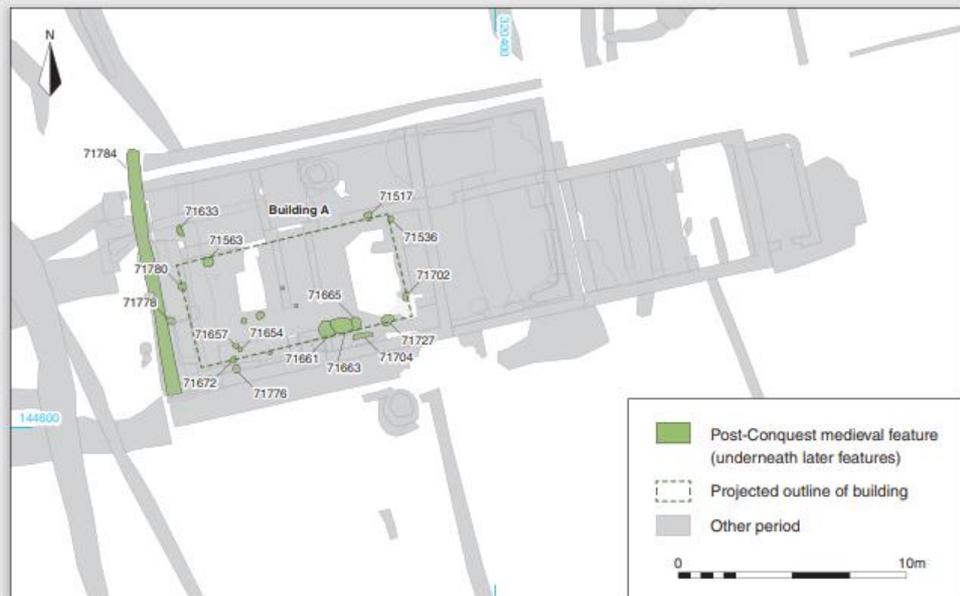
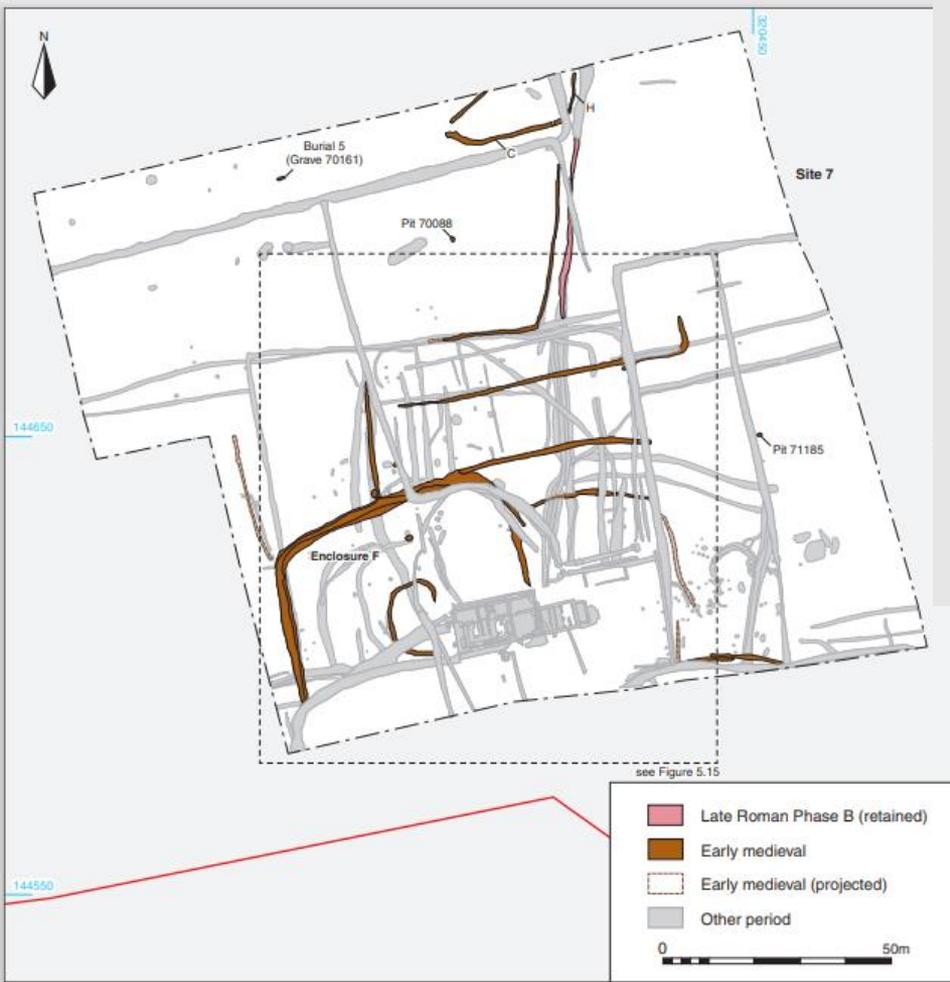


**Quern stone**

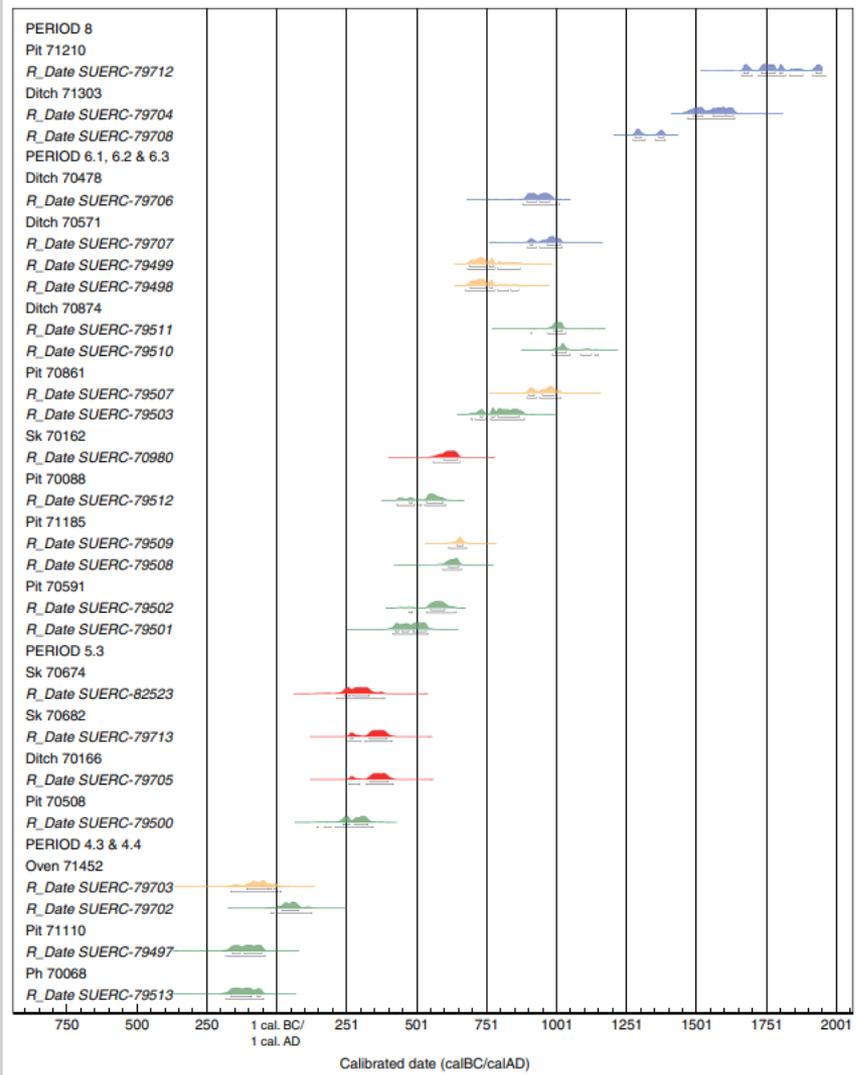


Corners' Farmhouse, Site 7





**Corners**  
Continuity of  
occupation



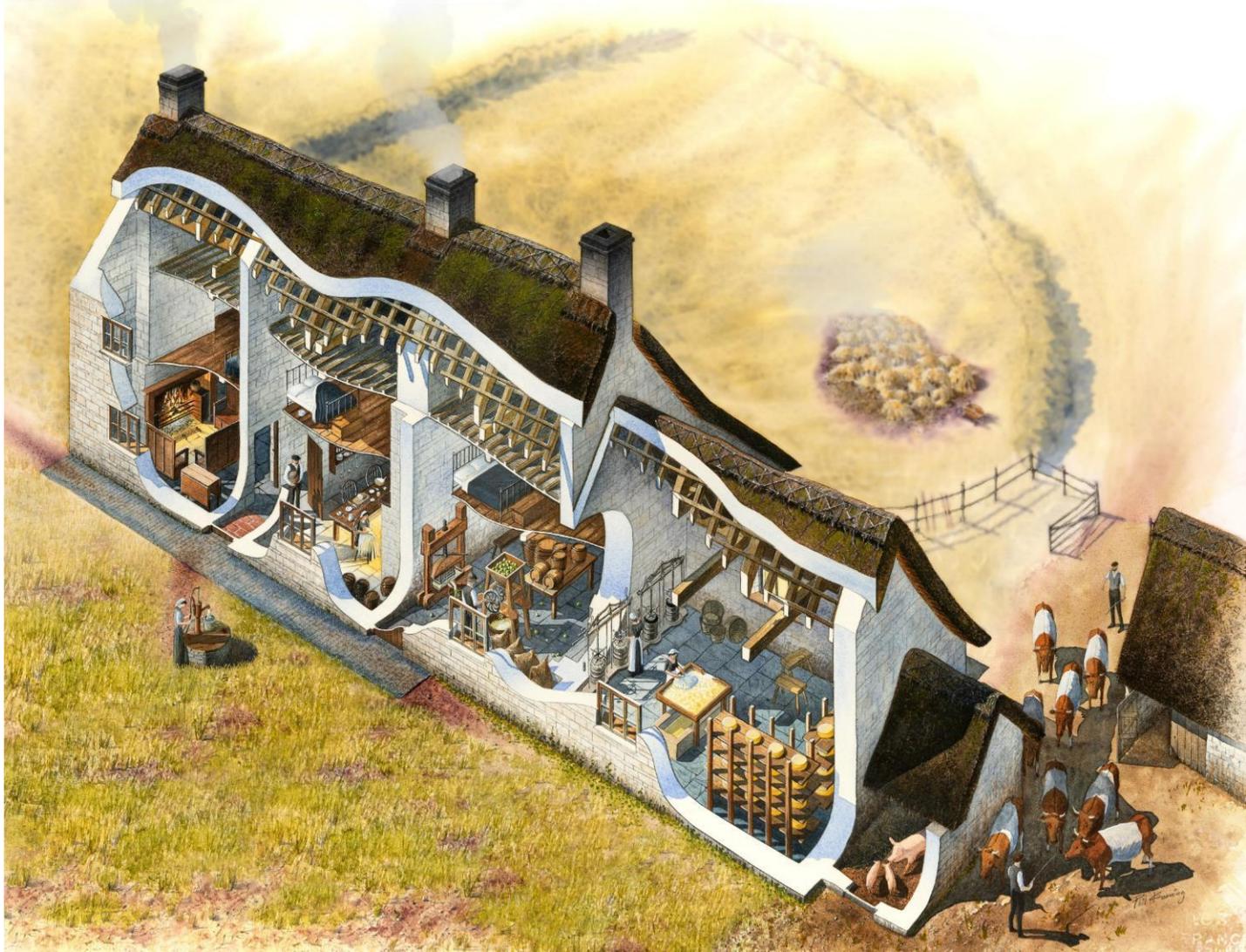
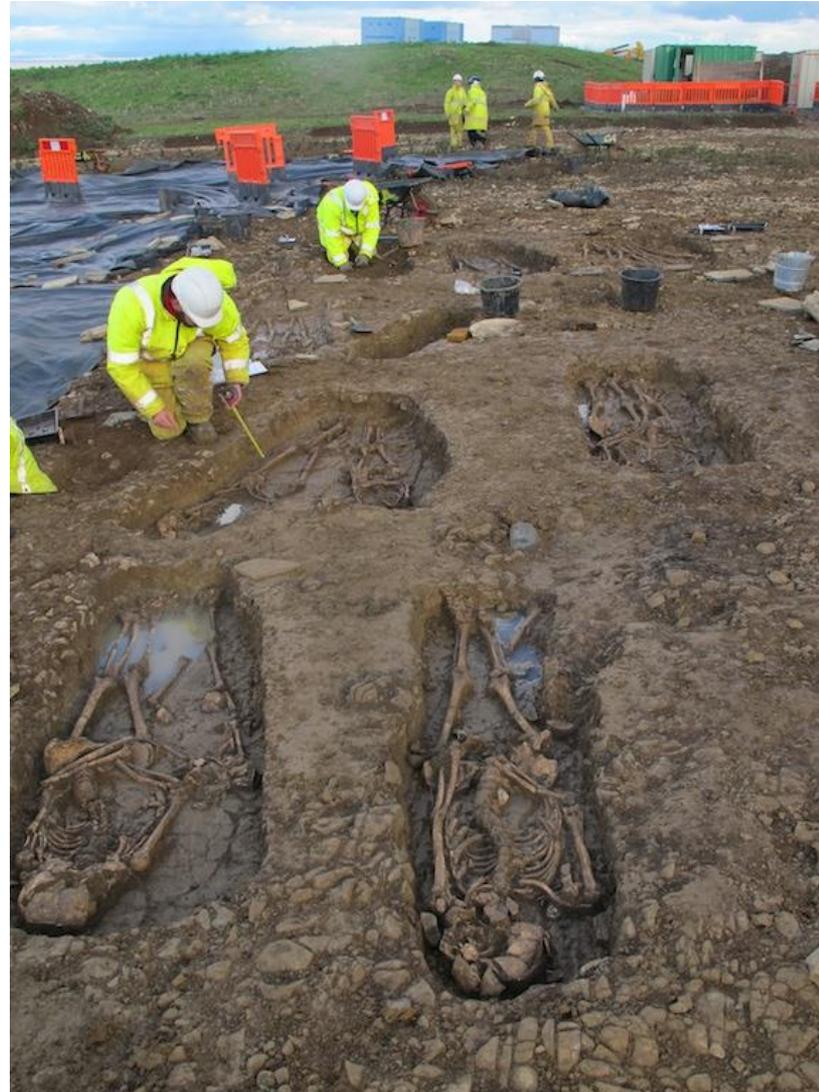


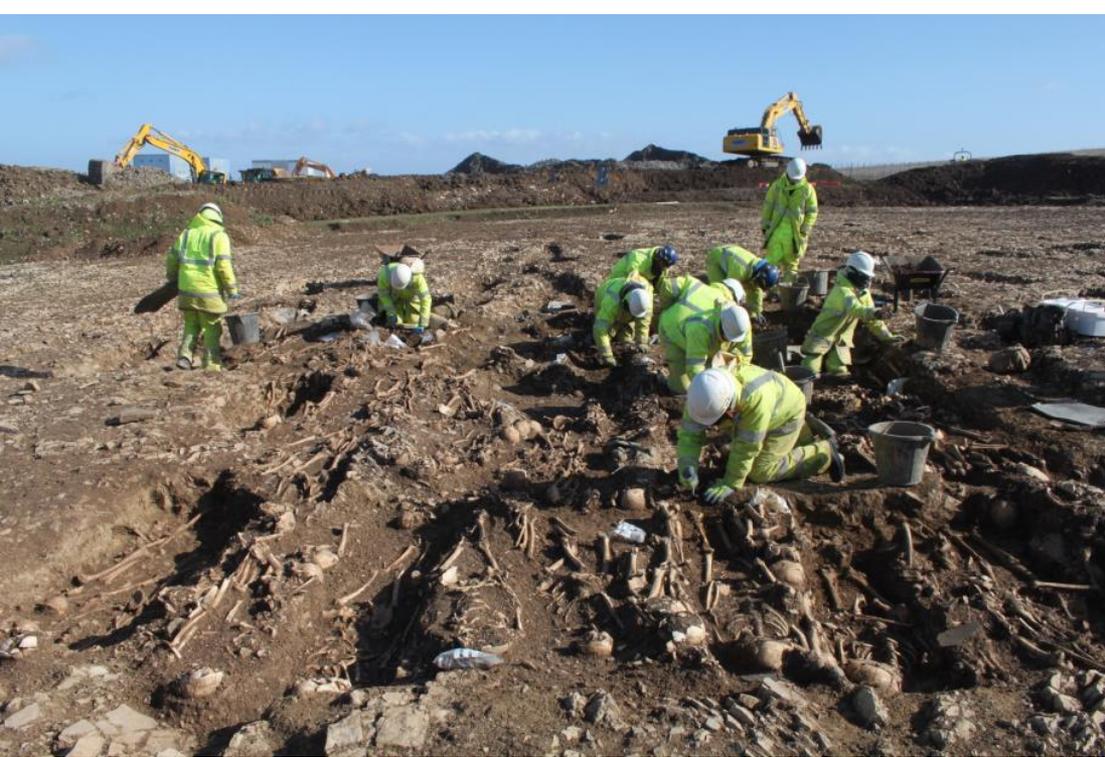




Photo by Justin Owen

**Hinkley Point  
Early Medieval  
cemetery site**





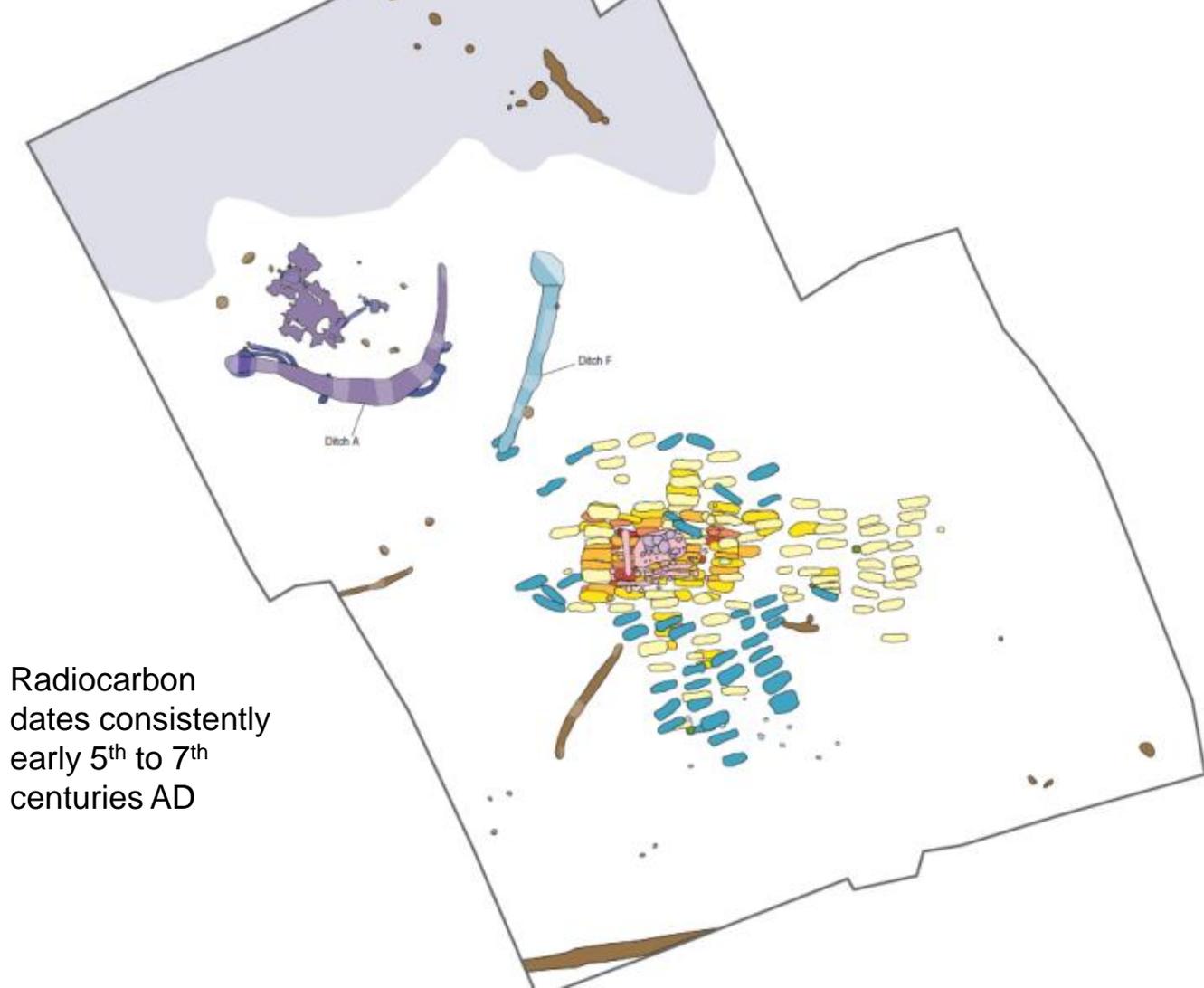






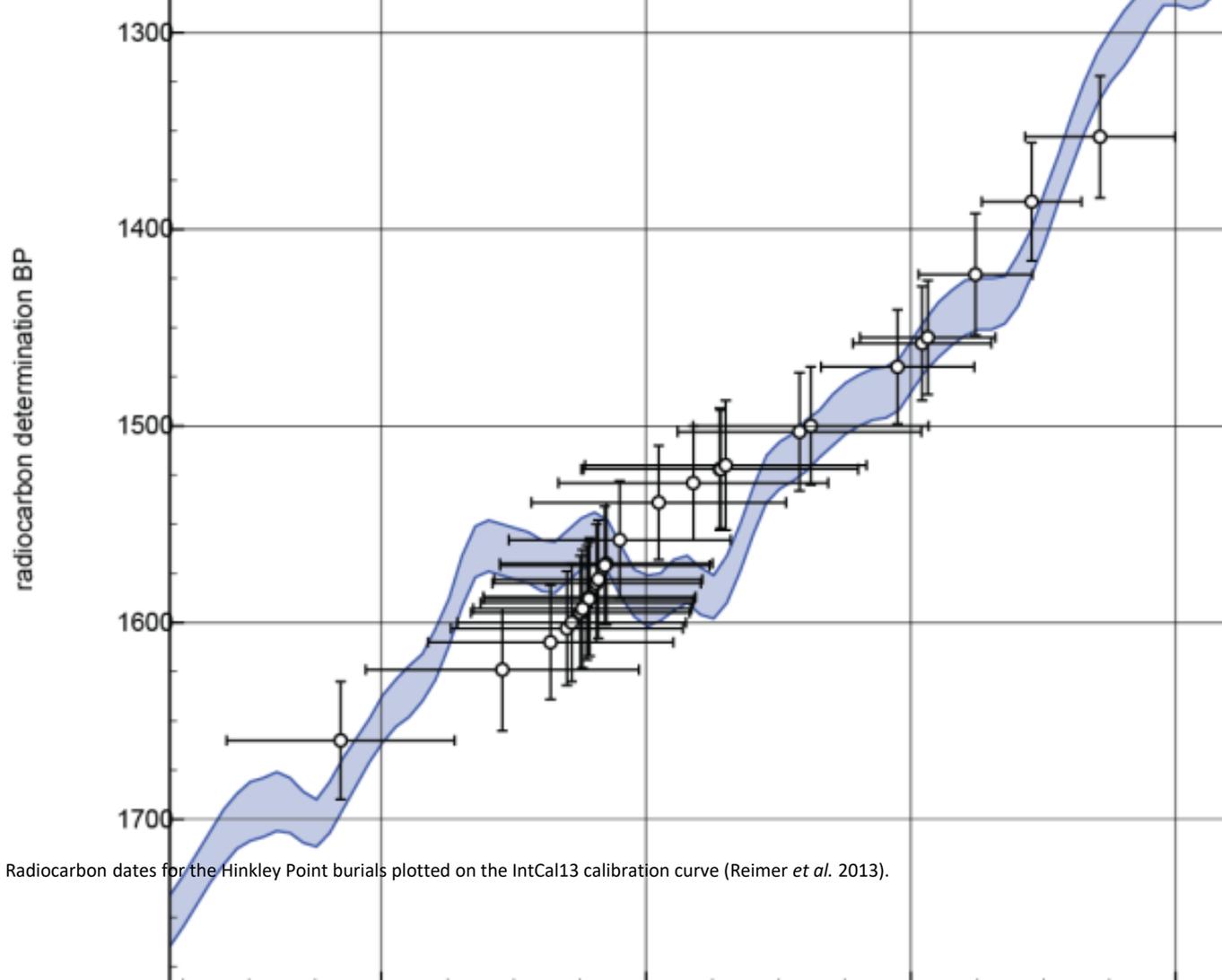
**Cotswold  
Archaeology  
sampling bones  
from HPC early  
medieval  
cemetery**



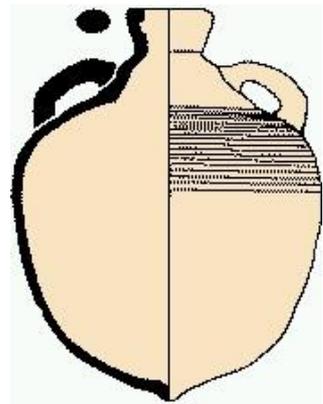
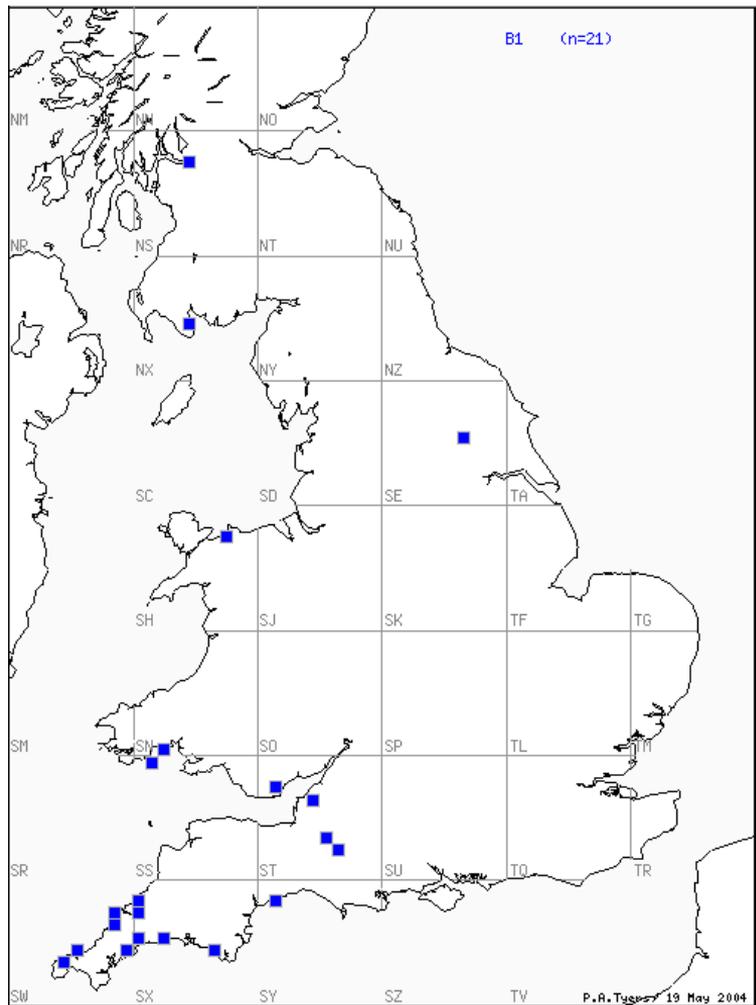


Radiocarbon  
dates consistently  
early 5<sup>th</sup> to 7<sup>th</sup>  
centuries AD

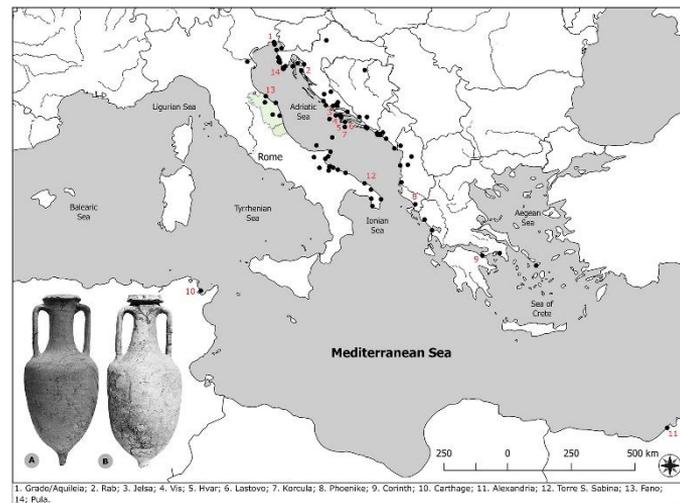




Radiocarbon dates for the Hinkley Point burials plotted on the IntCal13 calibration curve (Reimer *et al.* 2013).



Late Roman 2 amphora imported into SW Britain in the 5<sup>th</sup> -6<sup>th</sup> centuries





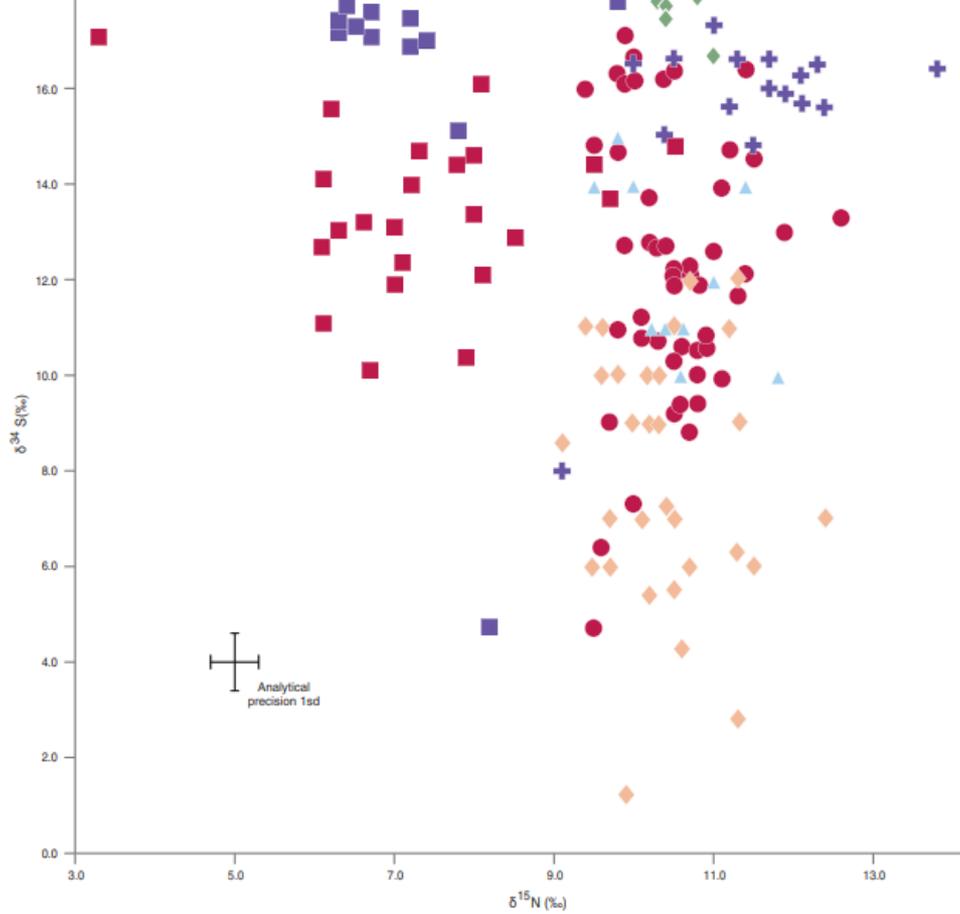
Right hand  
healed  
amputation  
and left foot  
healed  
amputation





# 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

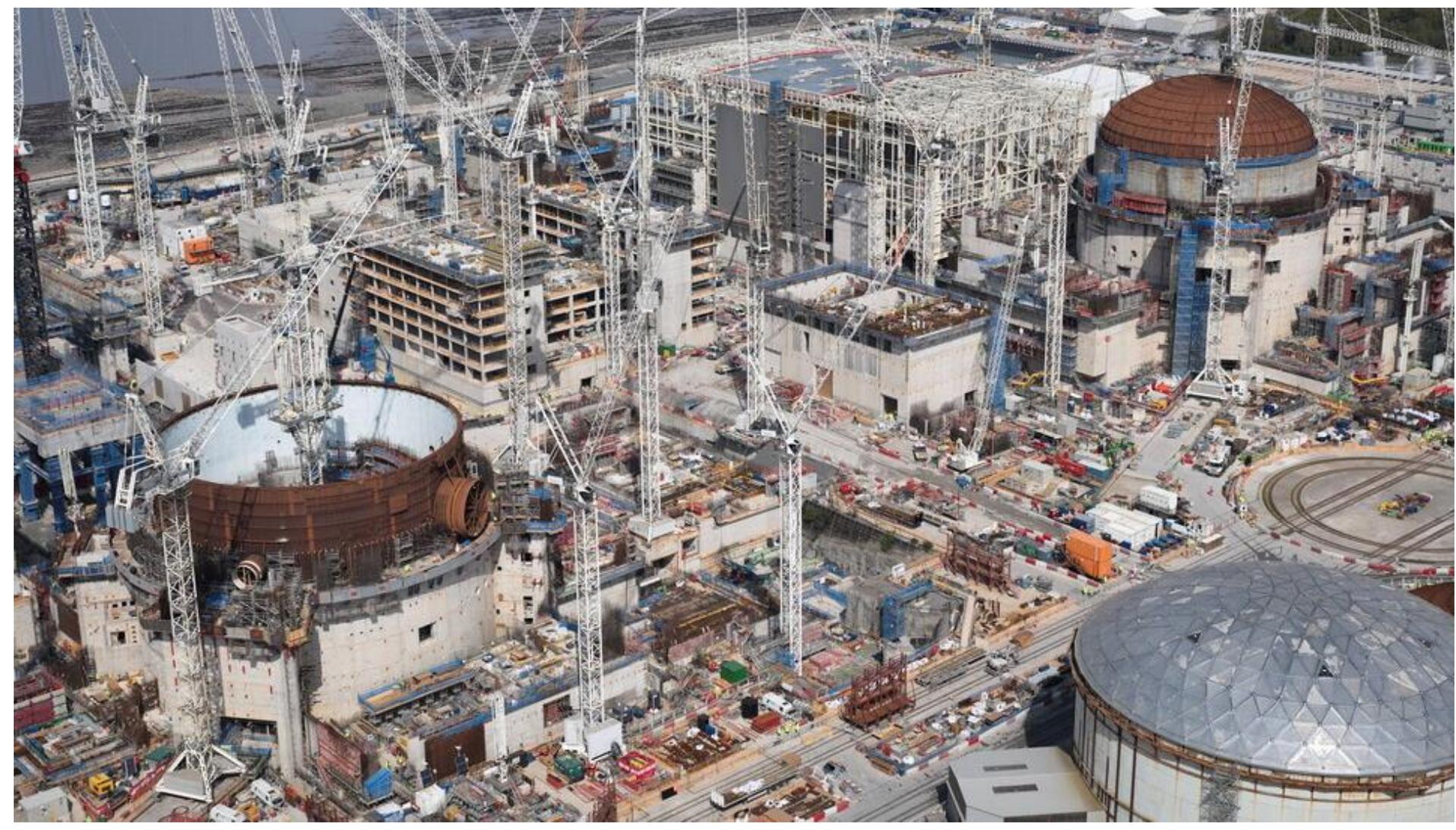


# Thank You

# Item 4: Project Progress Update

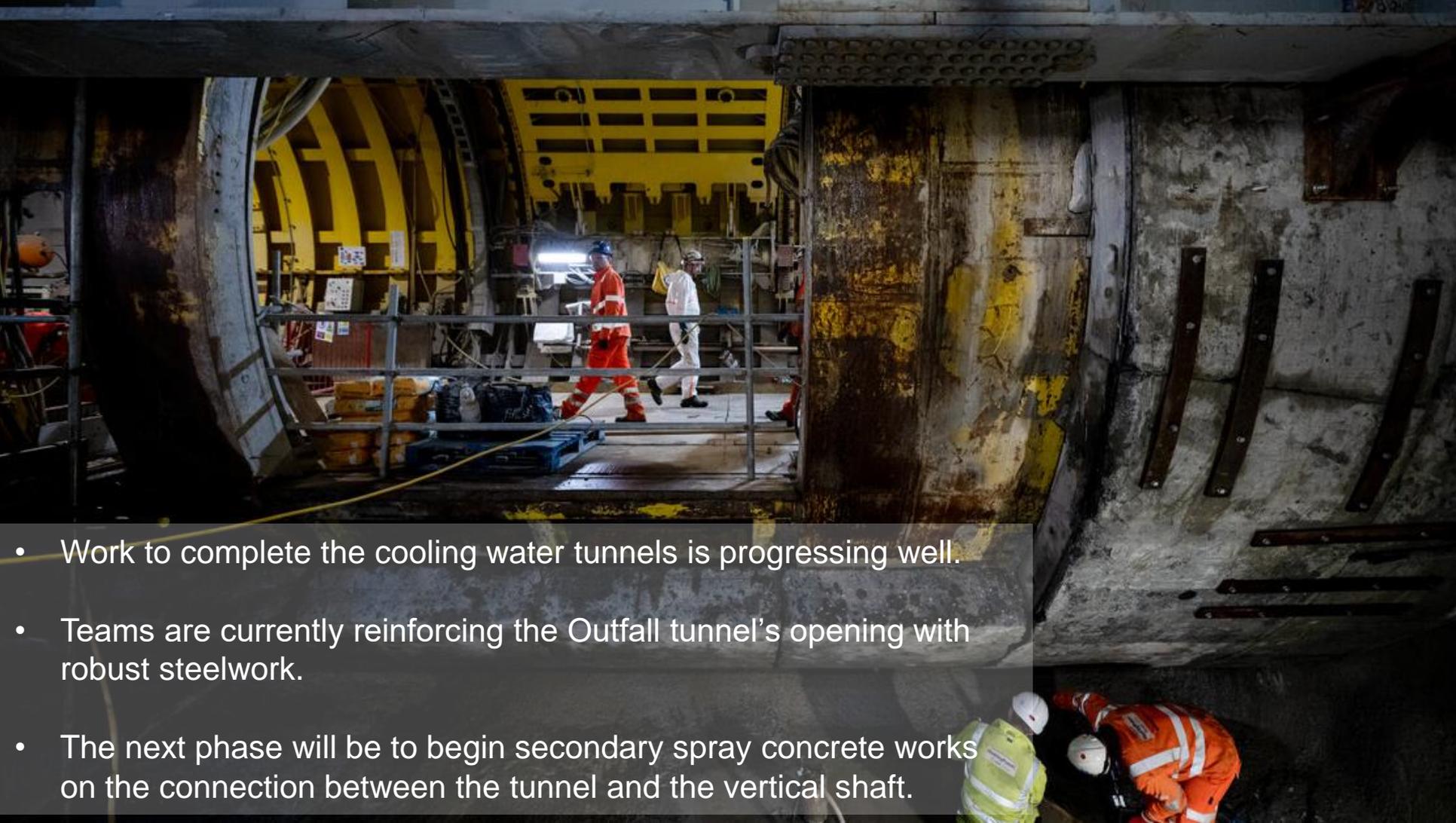
Andrew Cockroft

Senior Manager – Stakeholder Relations

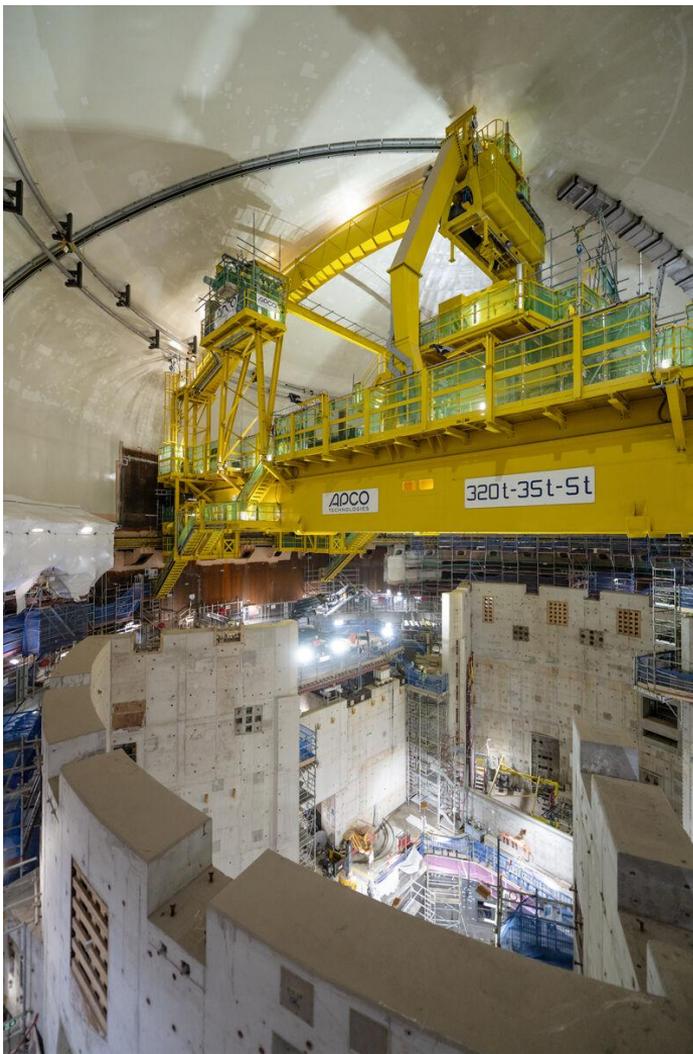




- Hinkley Point C's **Steam Generators** began arriving into Combwich on 7<sup>th</sup> May 2024.
- They have since made their way up to the construction site.



- 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 19<sup>th</sup> February.

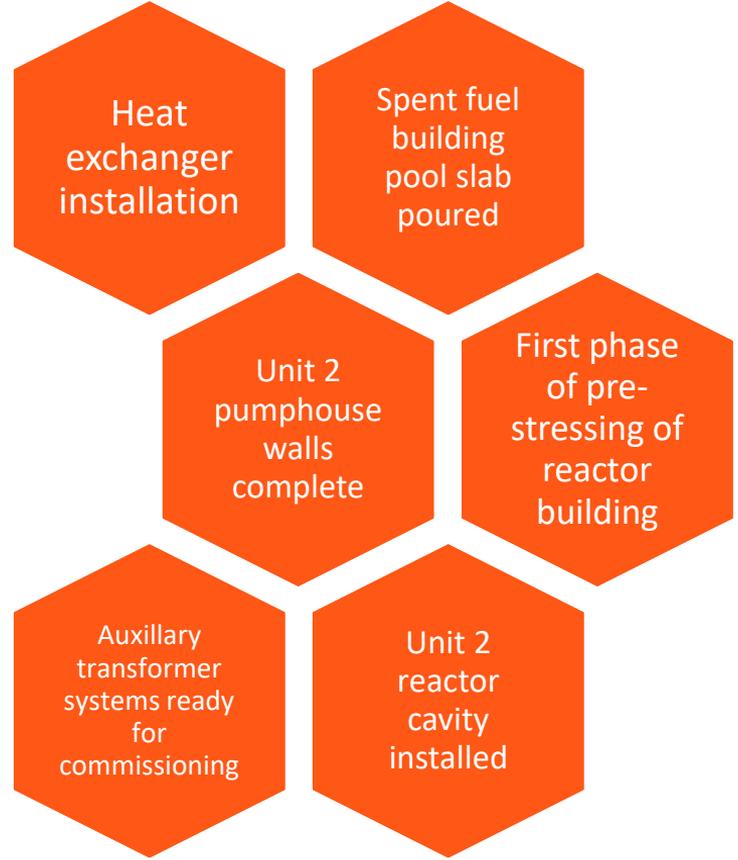


# Looking Forward to 2024

**We will install the reactor pressure vessel**



**The MEH phase will accelerate**



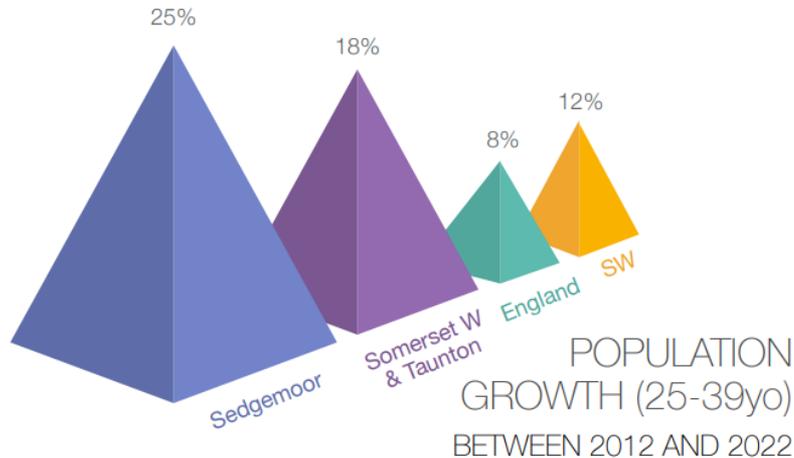
# Material Change Application - Update



**We are here:** Assessment of consultation, local engagement and development of full application before submission.

# 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	<b>Further mitigation measures agreed and put into action</b>	
2024	Strategic cost and schedule review. Accounted for the significant adaptation of design to meet British regulations, high inflation and labour and material shortages. <b>TODAY: Review of mitigation measures to ensure impacts are limited and opportunities maximised.</b>	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?

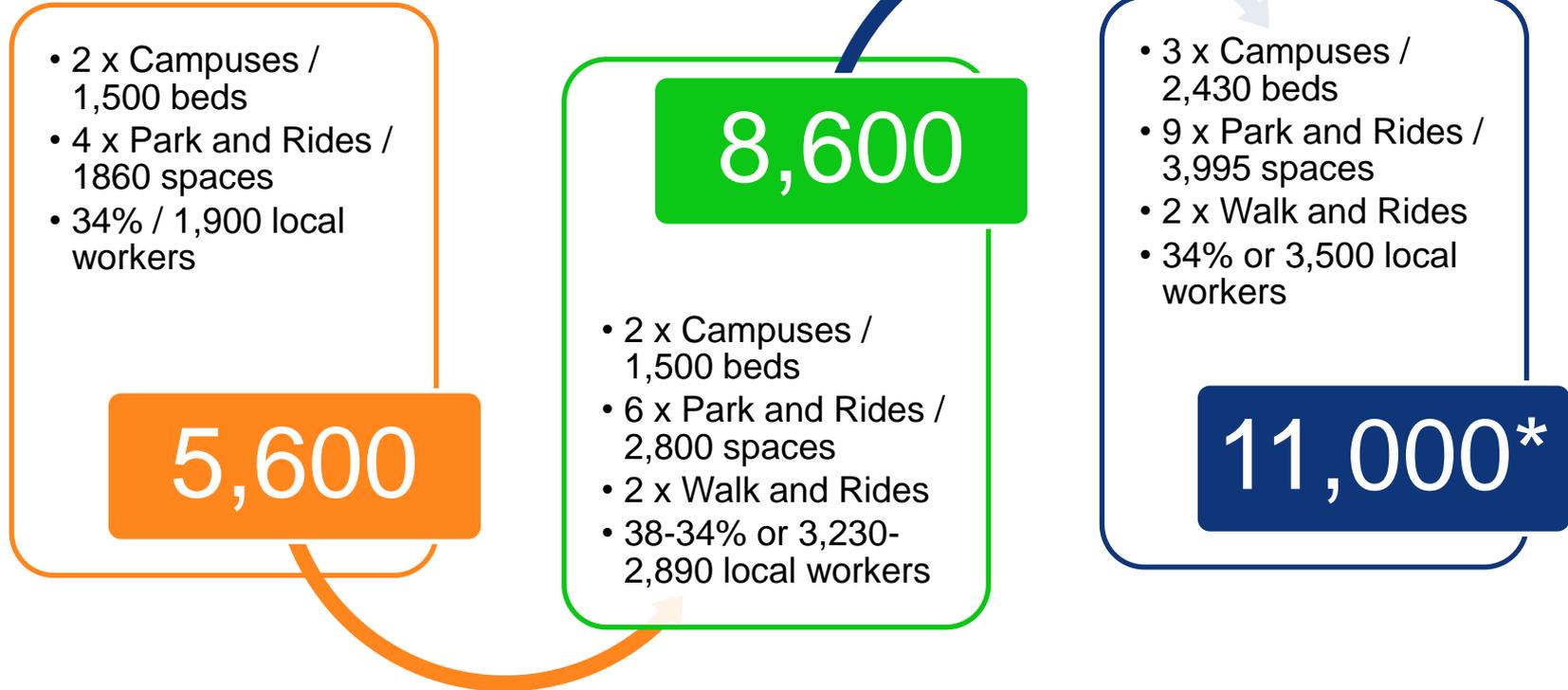
- **No** - There are no requirements or other restrictions within the Development Consent Order.
  - The physical form of the power station will not change
  - There are no legal obligations which limit the number of workers
- **We appreciate our potential impact on the local community** and will continue 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.

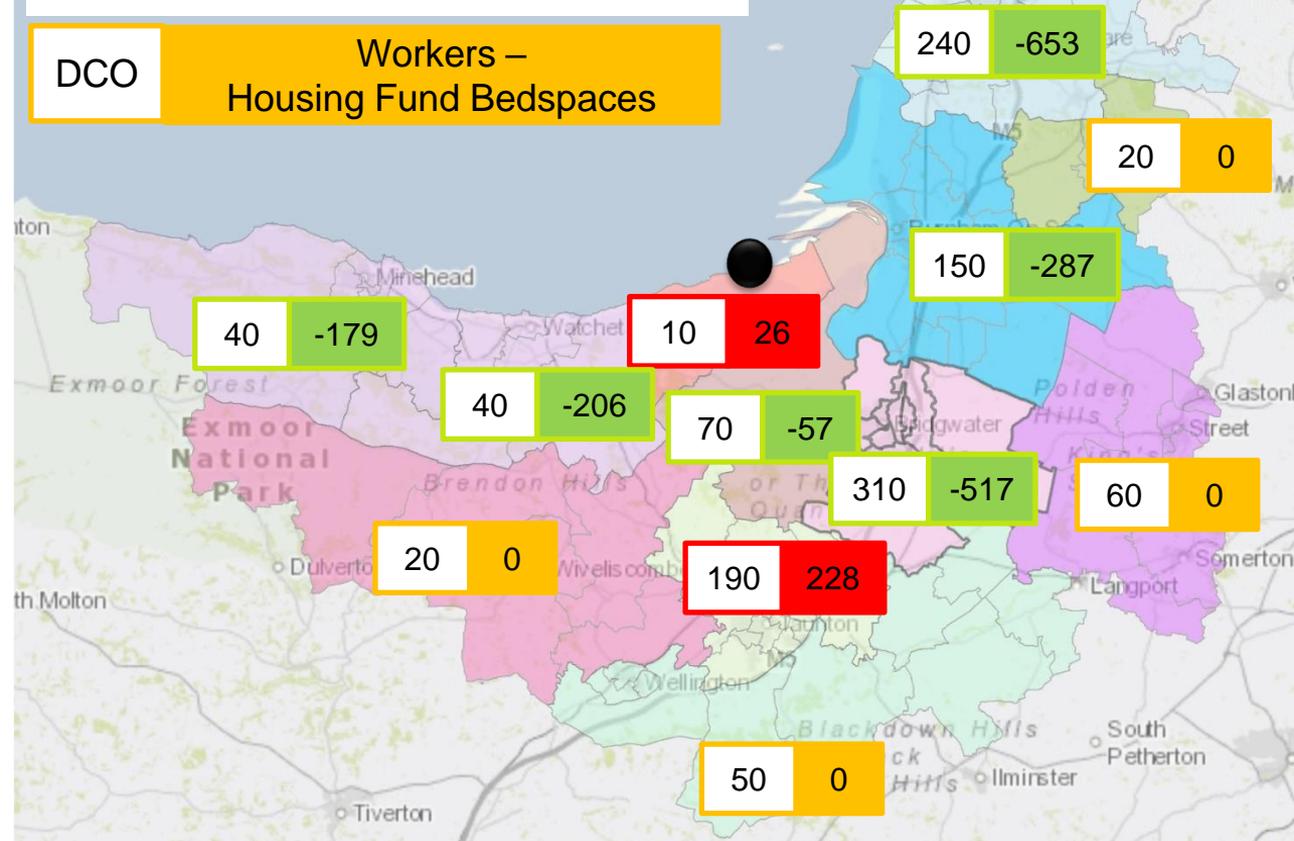
# Changes made to continue limiting impact



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

DCO

Workers –  
Housing Fund Bedspaces



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)

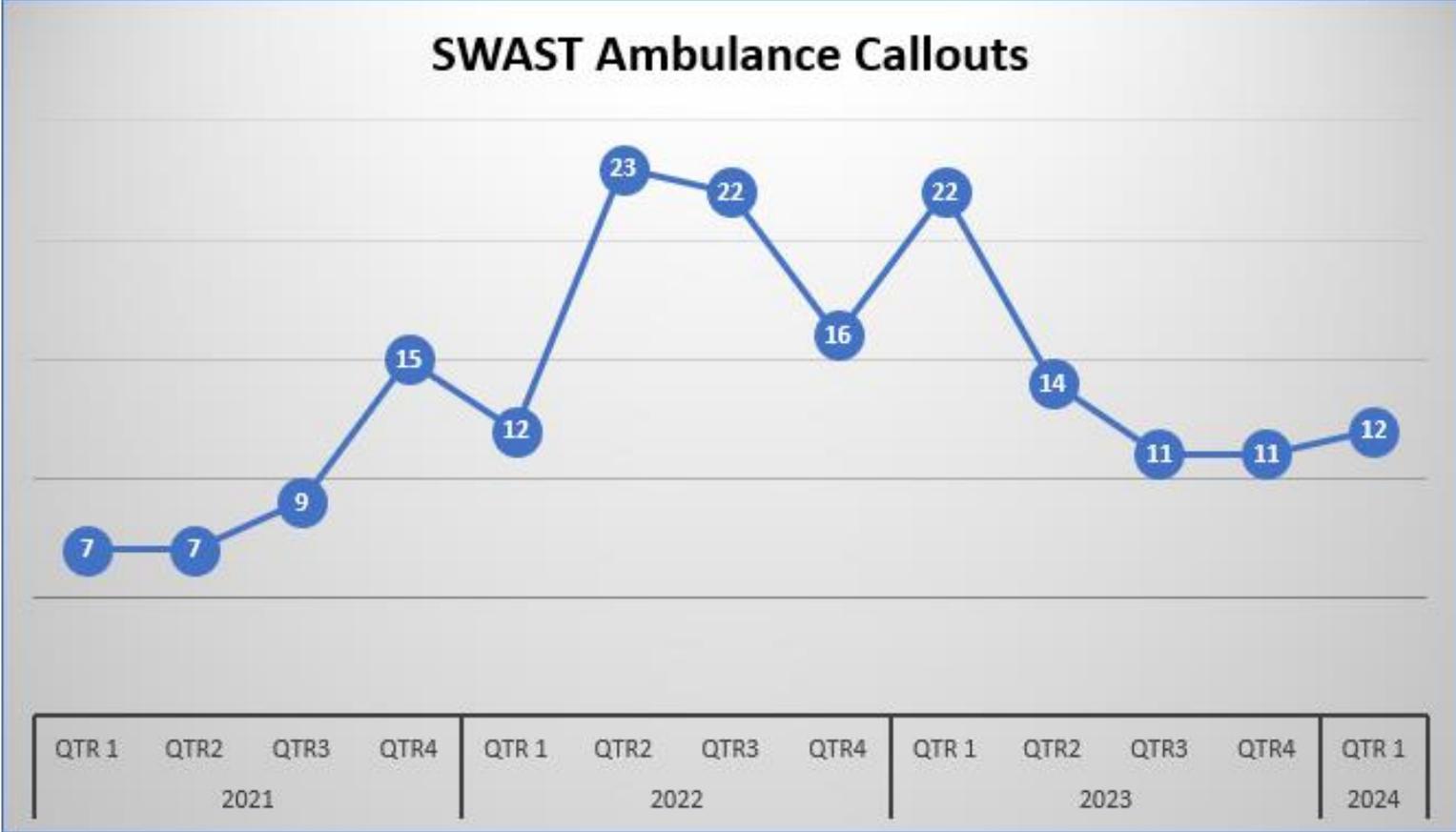
Final Journey to HPC	Target	Q4 (22/11/23) Workforce	%
Walk	9%	522	5.2%
Cycle	0%	63	0.6%
Motorcycle	0%	37	0.4%
Car (Driver)	4%	222 (202 car driver on own and 20 with passenger)	2.2%
Car Passenger via HPC Car Park	-	21	0.2%
Car Passenger via Drop Off Location	-	131	1.3%
 HPC Bus Service	87%	8,965	90% 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

# Current impact example – Complaints since 2021

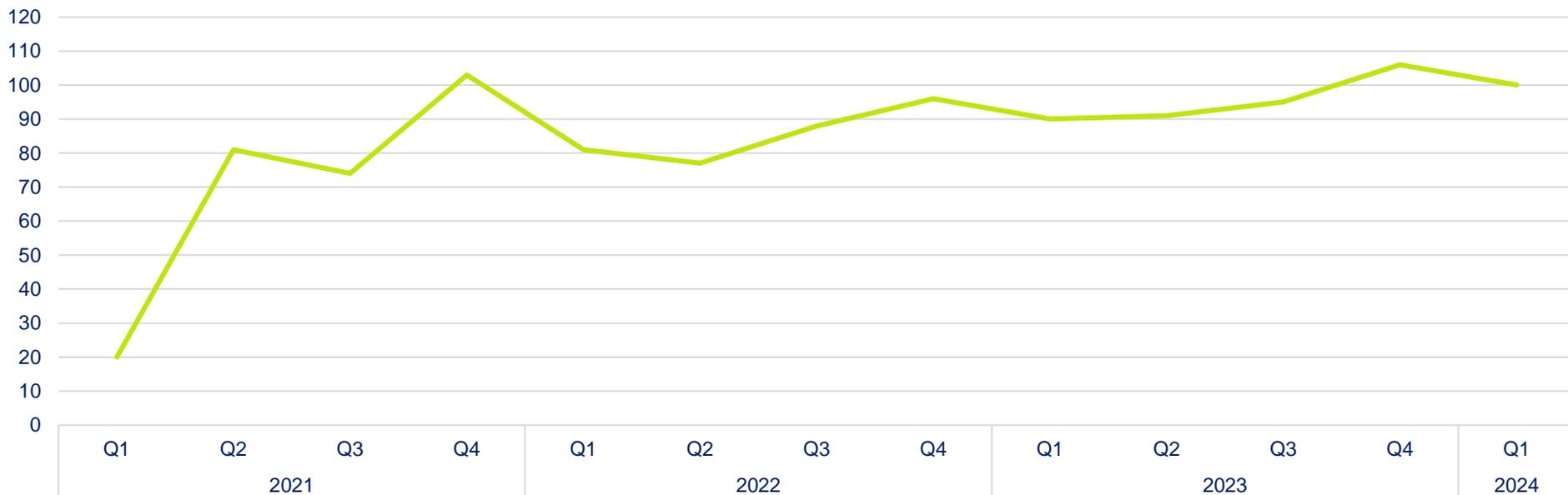
- As a result of increased engagement and new community walks.
- Complaints generated by 23 individuals and may relate to the same vehicle more than once.
- The trend is now declining once again



# Current impact example – Ambulance Calls since 2021

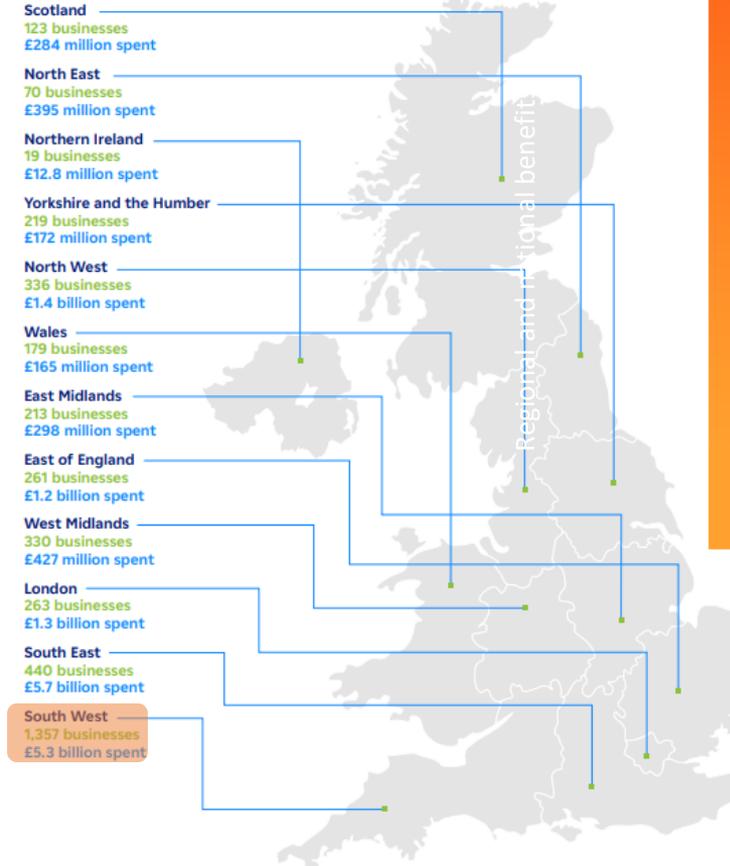


# Current impact example – Reported Crime since 2021



# 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



↓  
of the value of Hinkley Point C goes to British businesses

71,000

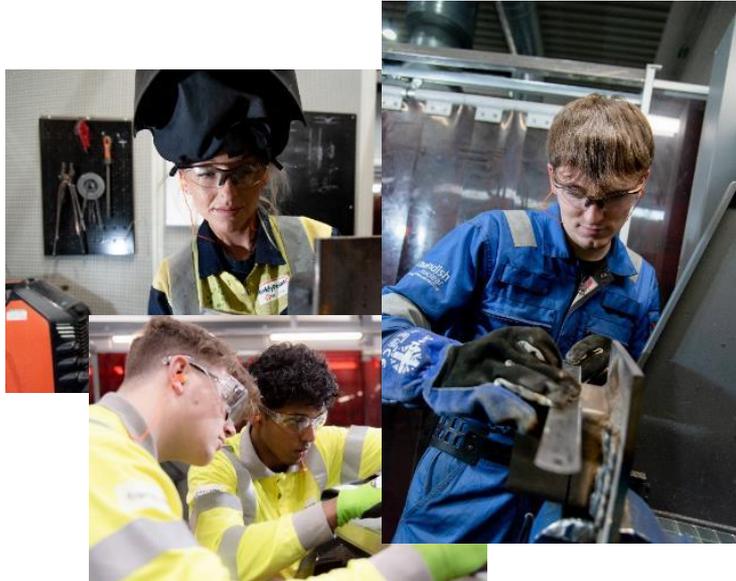
jobs will be supported across Britain by the end of construction

£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

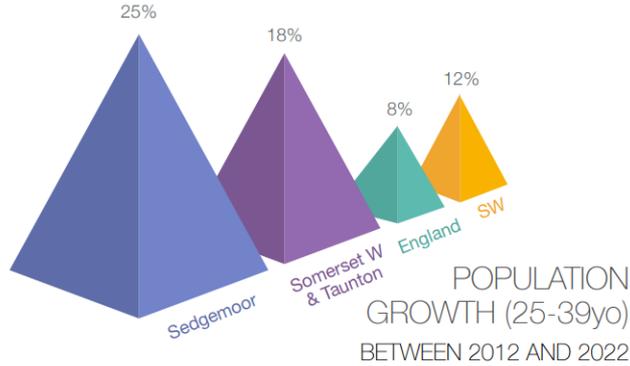
# 1/3

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

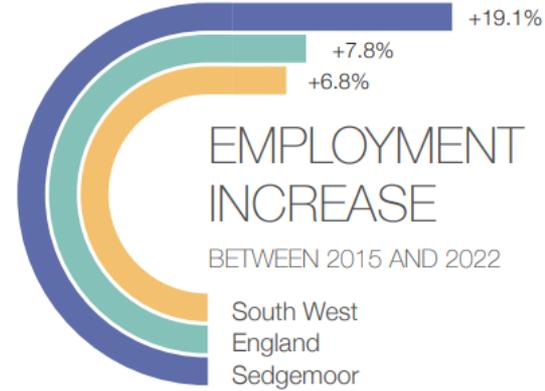


# Outcomes – Positive Economic Improvement

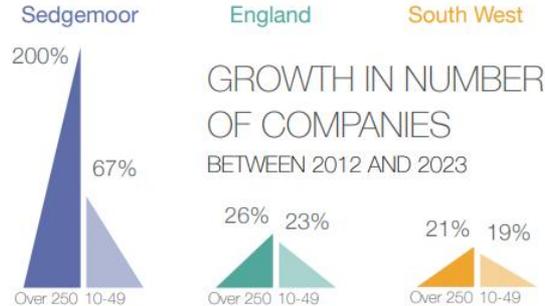
## Growth in Lower Age Groups



## Employment



## Economic Boost



**x10**

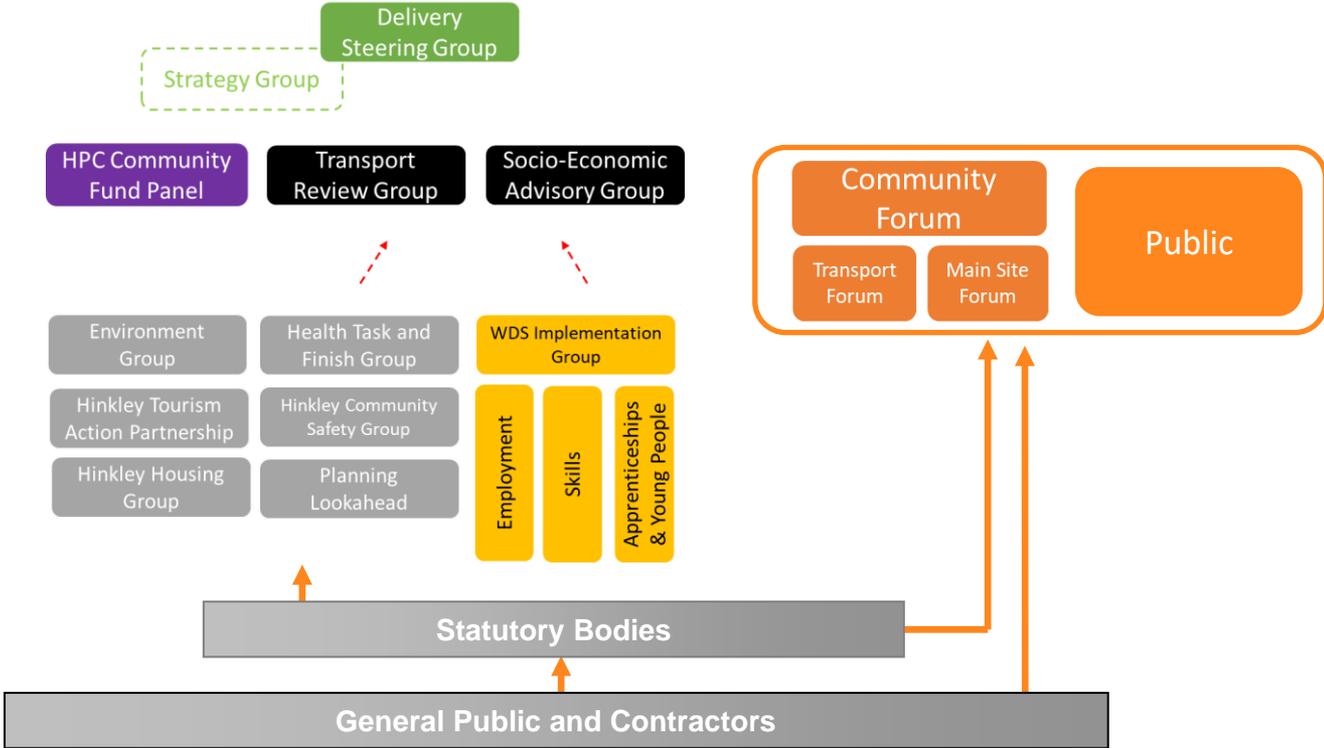
→ The district area is seeing a growth in the number of medium-sized companies that is ten times higher than anywhere else in the South West

**10% higher**

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

# Monitoring and feedback

Established under Section 106 Planning Agreement



# 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

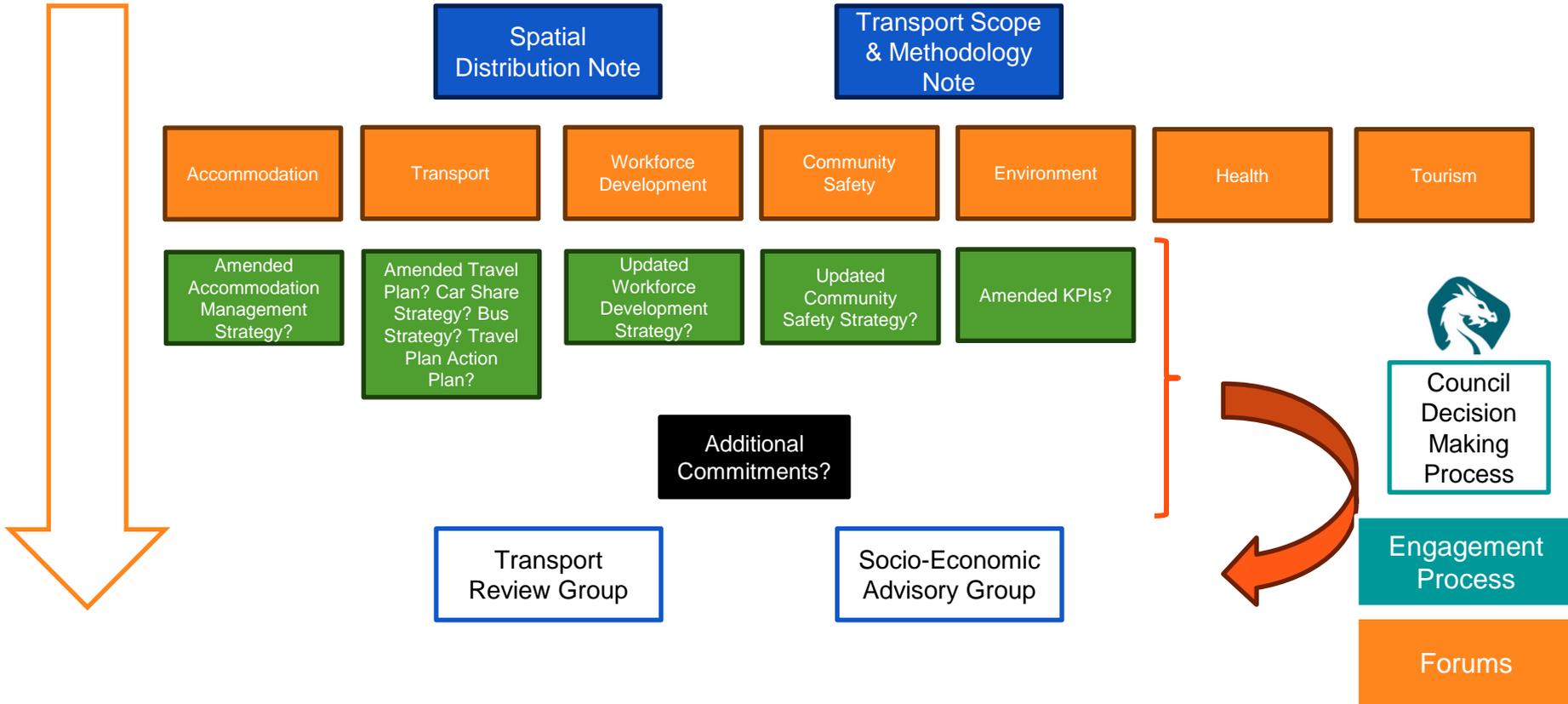
Maximise the use of bus service to minimise car local car movements and remain within DCO caps.

## 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

# Pre-submitted Questions

## Post HPC Construction Legacy discussions.

The parish council are concerned that these have possibly been taking place in the background with no representation being sought from Stogursey parish council to represent the host parish of HPC.

Several members of this council have been involved in the HPC project from the very onset - the original planning application to West Somerset council regarding the preliminary earthworks , the DCO process , through to the current day - or just the experience of living through all stages of the NNB.

There is no evidence that anyone in the current Somerset council, involved in any discussions around Legacy agreements, would have much idea of the impact of the construction on this community over the past 16 years or it's aspirations regarding any Legacy agreements either favourable - or conversely - likely to undesirably impact on our parish .

Therefore , we would like - and deserve - to be included in any such discussions as and when they occur.

- Submitted by Sue Goss, Stogursey Parish Council

# Thank You

# Item 5: Any other business

Chair

## Item 6: Date of next meeting:

Thursday 17th October 2024 at 6pm

[www.edfenergy.com/hpccommunity](http://www.edfenergy.com/hpccommunity)

# Thank You