3D landscape visualisations

PBC4GGR Project

Robert Berry, Countryside and Community Research Institute (CCRI)

PERENNIAL BIOMASS CROPS
PBC4GGR
GREENHOUSE GAS REMOVAL

Objective

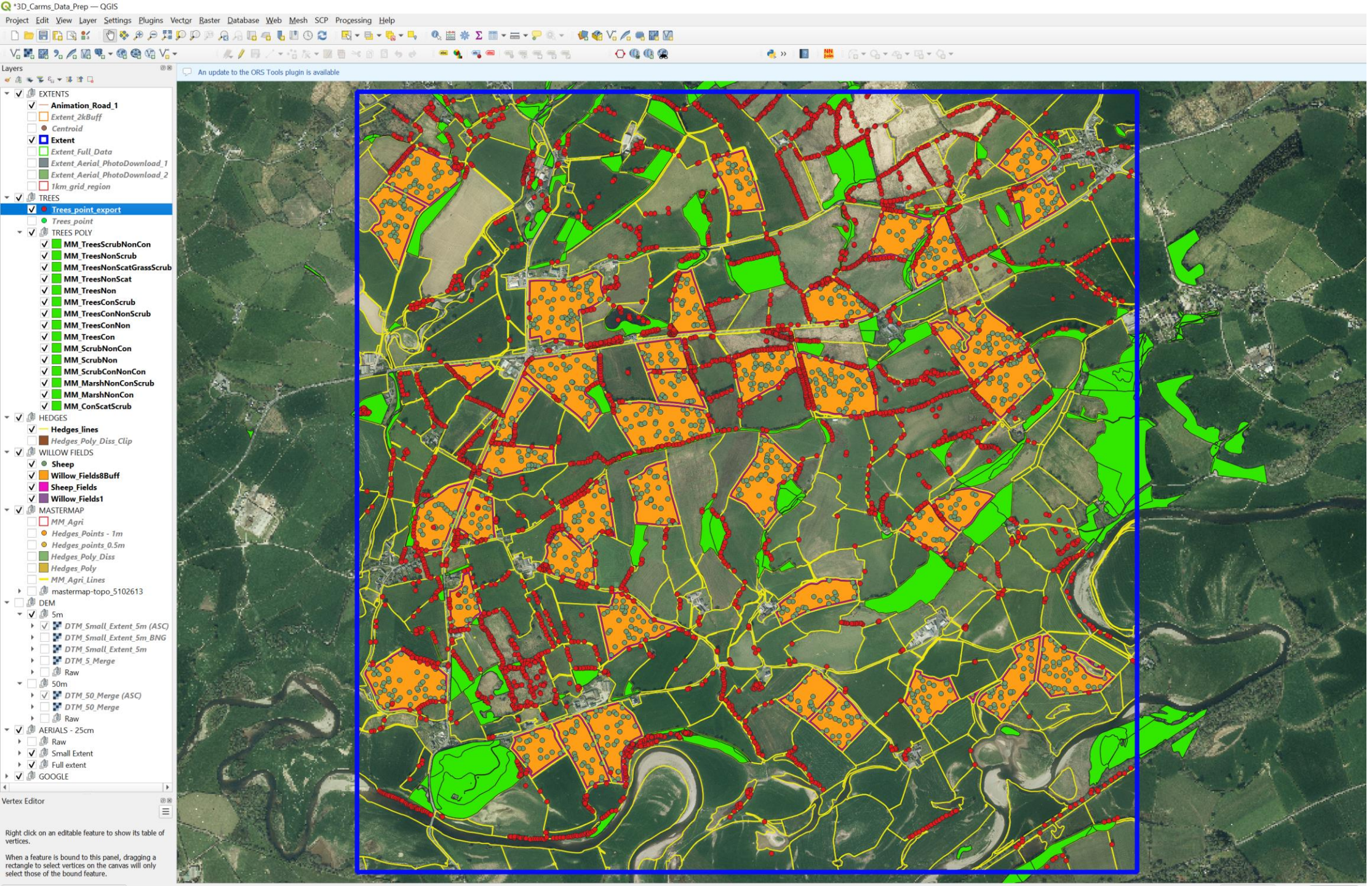
- Understand how to enable PBCs to be successfully scaled-up
- Produce visualisations for PBC4GGR stakeholder workshops
- Visualise “before” and “after” PBC planting scenarios to:
- Help investigate potential social barriers to increased PBC production

About

- Visualisations produced by Robert Berry, CCRI (rberry@glos.ac.uk)
- Software: Visual Nature Studio 2, QGIS, Photoshop, Adobe Premiere
- Data:
  - Ordnance Survey 5m digital terrain model
  - Ordnance Survey MasterMap
  - Getmapping aerial photography
- Copyright:
  - Images can be shared and used for non-commercial purposes and academic research with permission of CCRI.
  - Copyright statements are included on each image.

How to use

- Each slide contains two images – one "before” and one “after” willow planting
- Click on “before” image and slide will transition to show “after” scenario


*3D_Carms_Data_Prep — QGIS
Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh SCP Processing Help
Layers
An update to the ORS Tools plugin is available
EXTENTS
Animation_Road_1
Extent_2kBuff
Centroid
Extent
Extent_Full_Data
Extent_Aerial_PhotoDownload_1
Extent_Aerial_PhotoDownload_2
1km_grid_region
TREES
Trees_point_export
Trees_point
TREES POLY
MM_TreesScrubNonCon
MM_TreesNonScrub
MM_TreesNonScatGrassScrub
MM_TreesNonScat
MM_TreesNon
MM_TreesConScrub
MM_TreesConNonScrub
MM_TreesConNon
MM_TreesCon
MM_ScrubNonCon
MM_ScrubNon
MM_ScrubConNonCon
MM_MarshNonConScrub
MM_MarshNonCon
MM_ConScatScrub
HEDGES
Hedges_lines
Hedges_Poly_Diss_Clip
WILLOW FIELDS
Sheep
Willow_Fields8Buff
Sheep_Fields
Willow_Fields1
MASTERMAP
MM_Agri
Hedges_Points - 1m
Hedges_points_0.5m
Hedges_Poly_Diss
Hedges_Poly
MM_Agri_Lines
mastermap-topo_5102613
DEM
5m
DTM_Small_Extent_5m (ASC)
DTM_Small_Extent_5m_BNG
DTM_Small_Extent_5m
DTM_5_Merge
Raw
50m
DTM_50_Merge (ASC)
DTM_50_Merge
Raw
AERIALS - 25cm
Raw
Small Extent
Full extent
GOOGLE
Vertex Editor
Right click on an editable feature to show its table of vertices.
When a feature is bound to this panel, dragging a rectangle to select vertices on the canvas will only select those of the bound feature.

From 2D to 3D

Carmarthenshire Study Area

Camera 1

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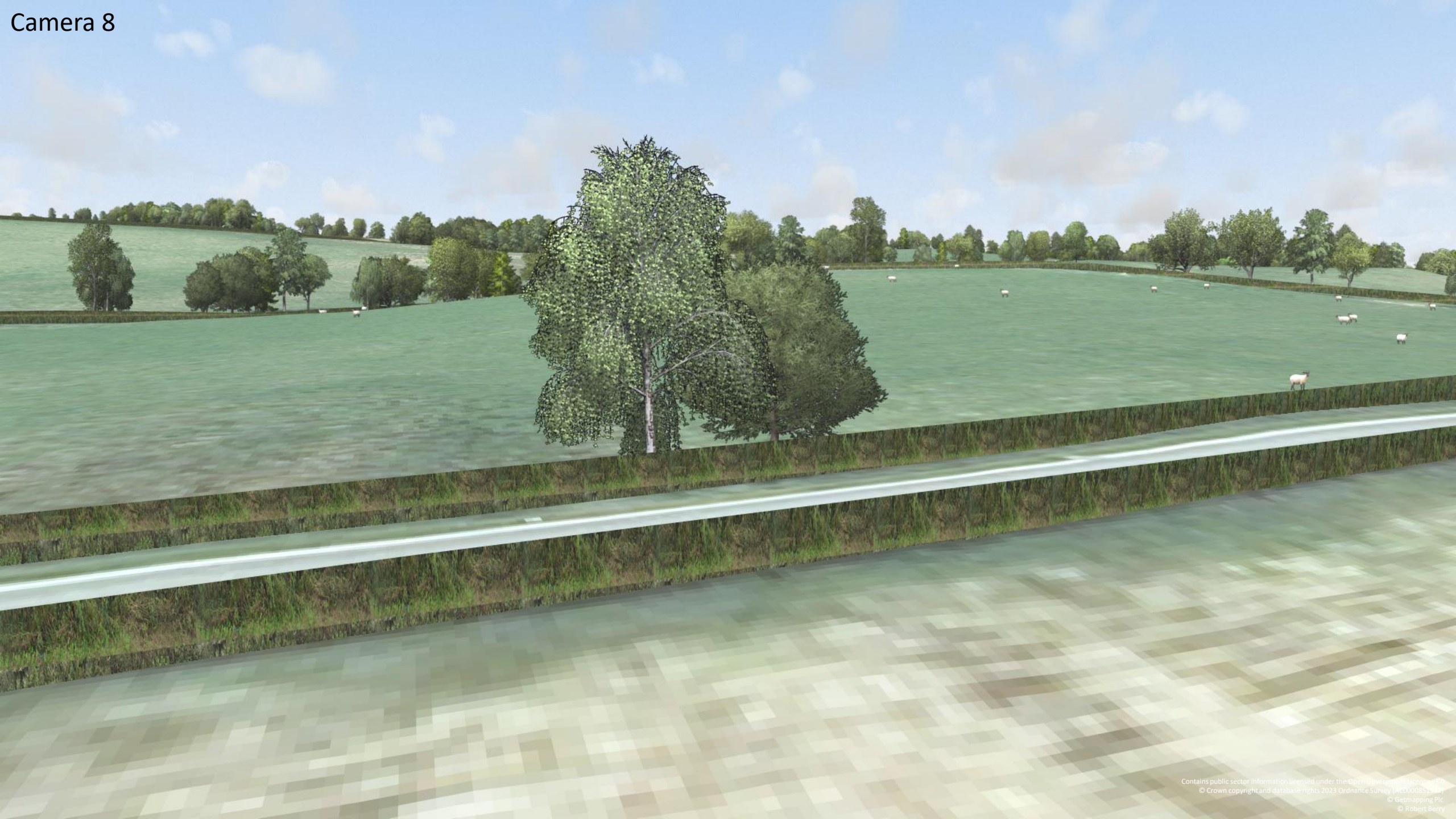
Camera 8



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Camera 9

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Camera 10

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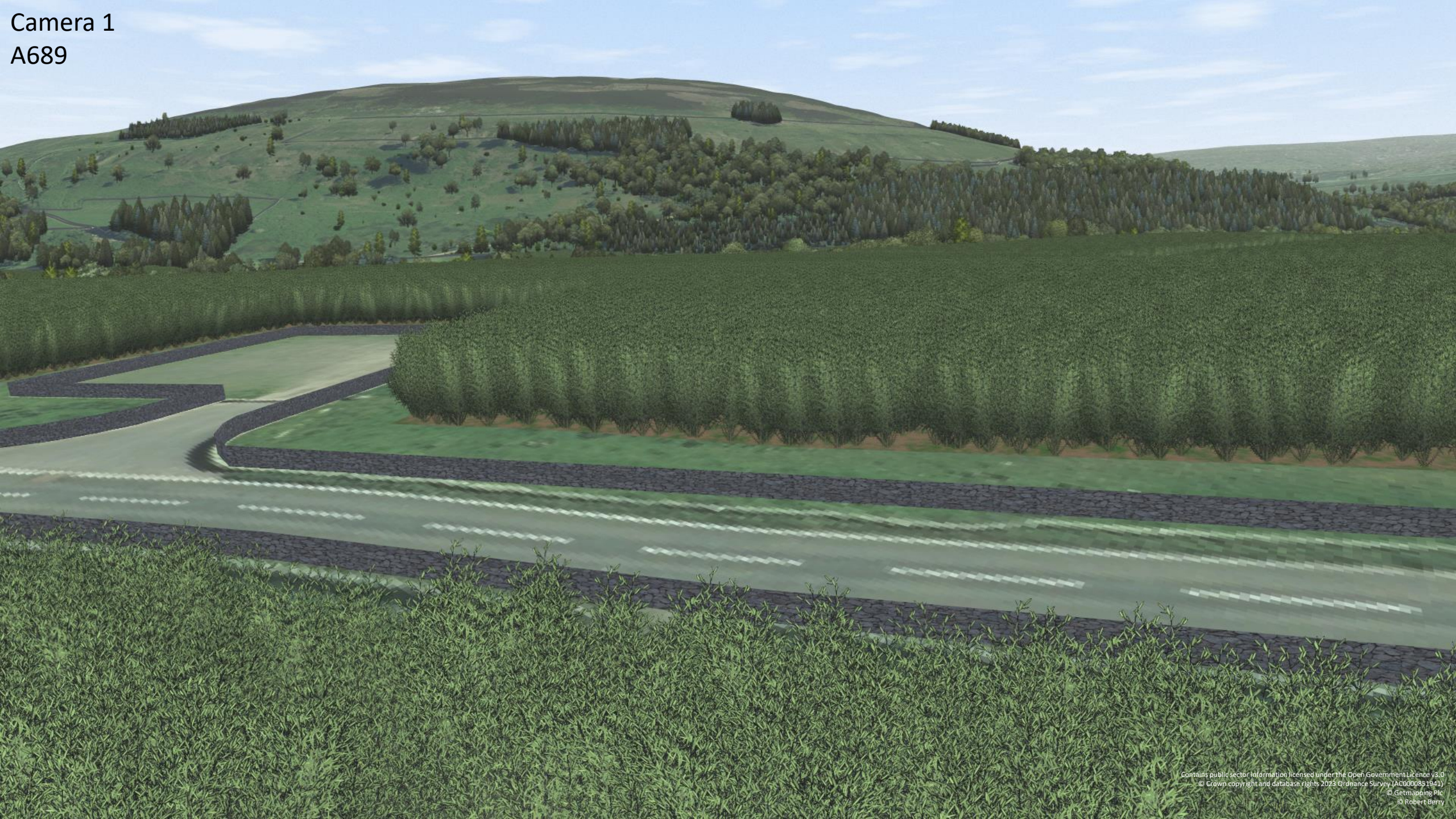
Hexham Study Area



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Camera 2
Robinwood Coach Park

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Williamston Common

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Looking south above Slaggyford

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River Tyne Trail looking north

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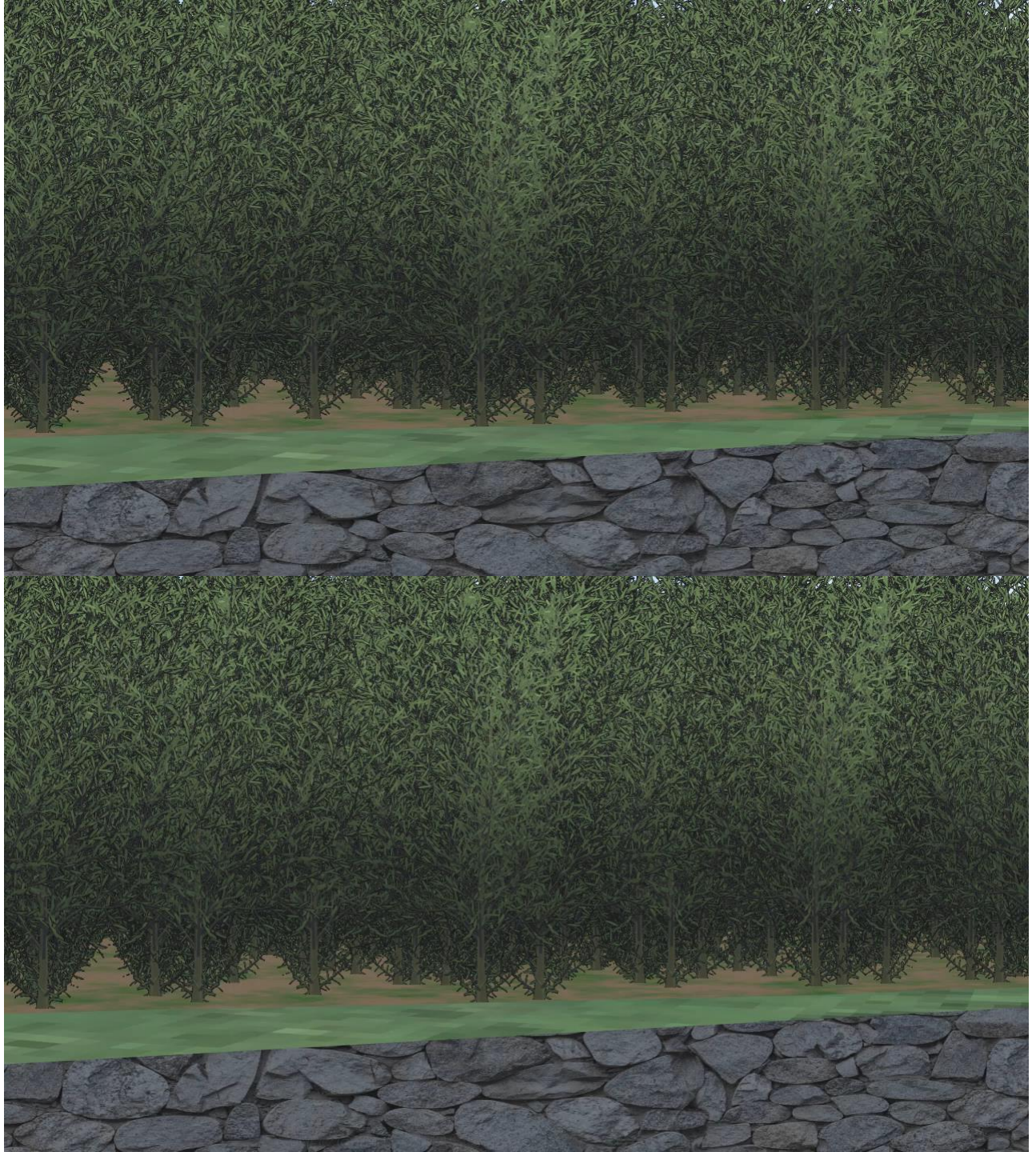
Animations

Carmarthenshire

Hexham

Hexham



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