

Cottam Solar Project

Environmental Statement Appendix 8.1.5: Photography and Photomontage Methodology Part 2 of 5

Prepared by: Lanpro Services
January 2023

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Document reference: C6.3.8.1.5
APFP Regulation 5(2)(a)



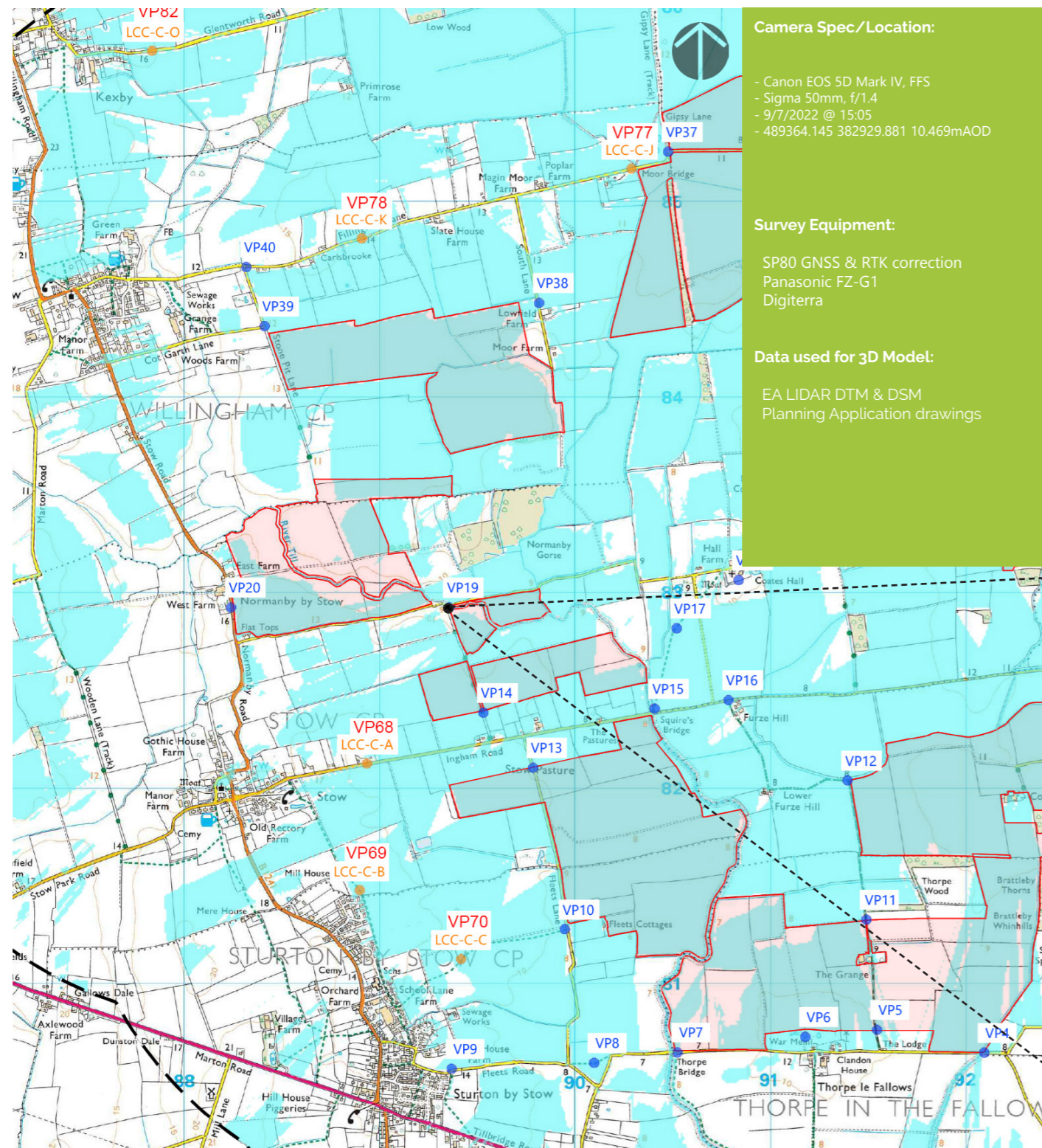
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 19 Single Frame 50mm image (Winter)

Viewpoint 19 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 15:05
- 489364.145 382929.881 10.469m AOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

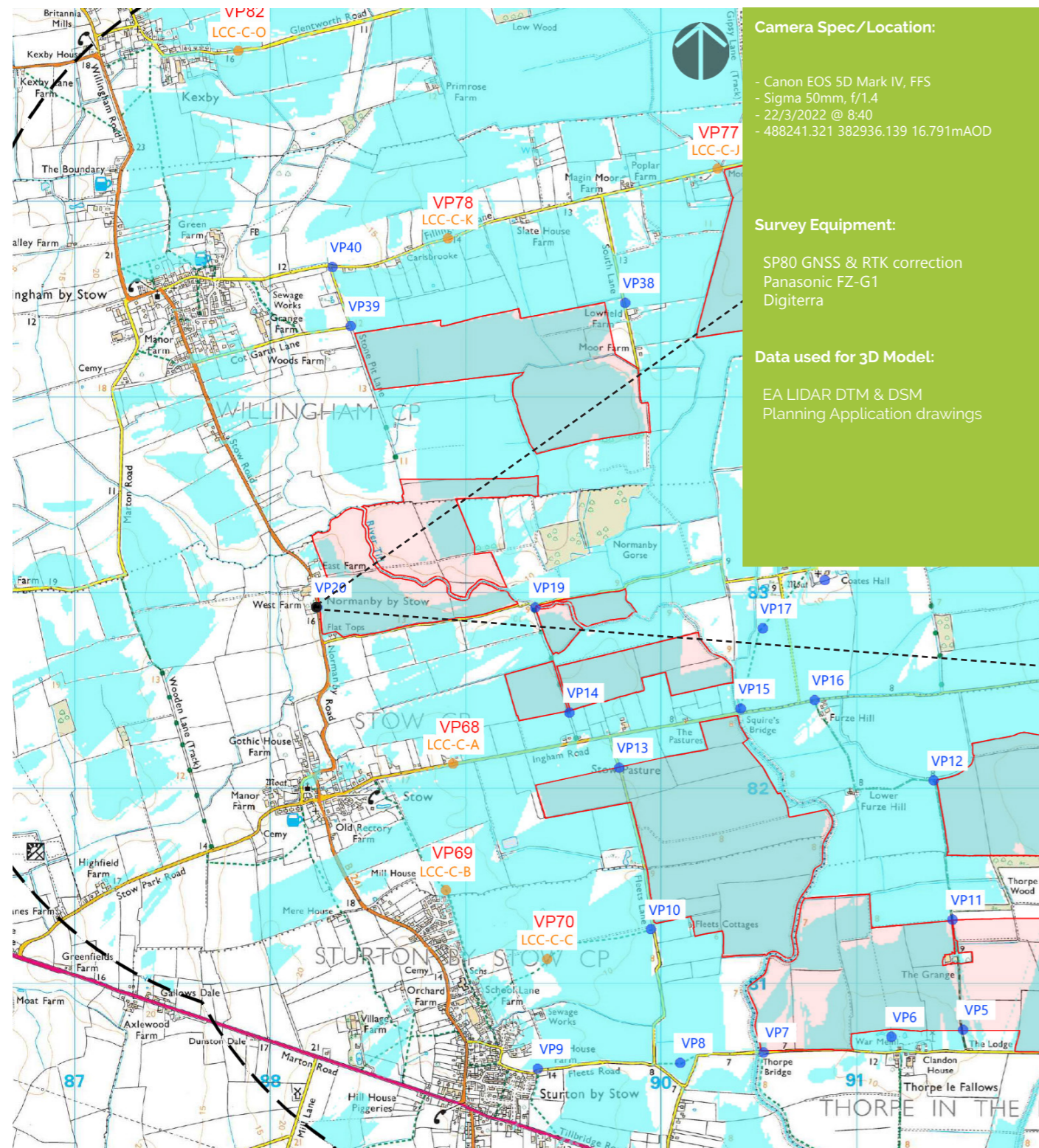
Point of Perspective

Point of Perspective

Viewpoint 19 Single Frame 50mm image (Summer)

Viewpoint 20 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 22/3/2022 @ 8:40
- 488241.321 382936.139 16.791mAOD

Survey Equipment:

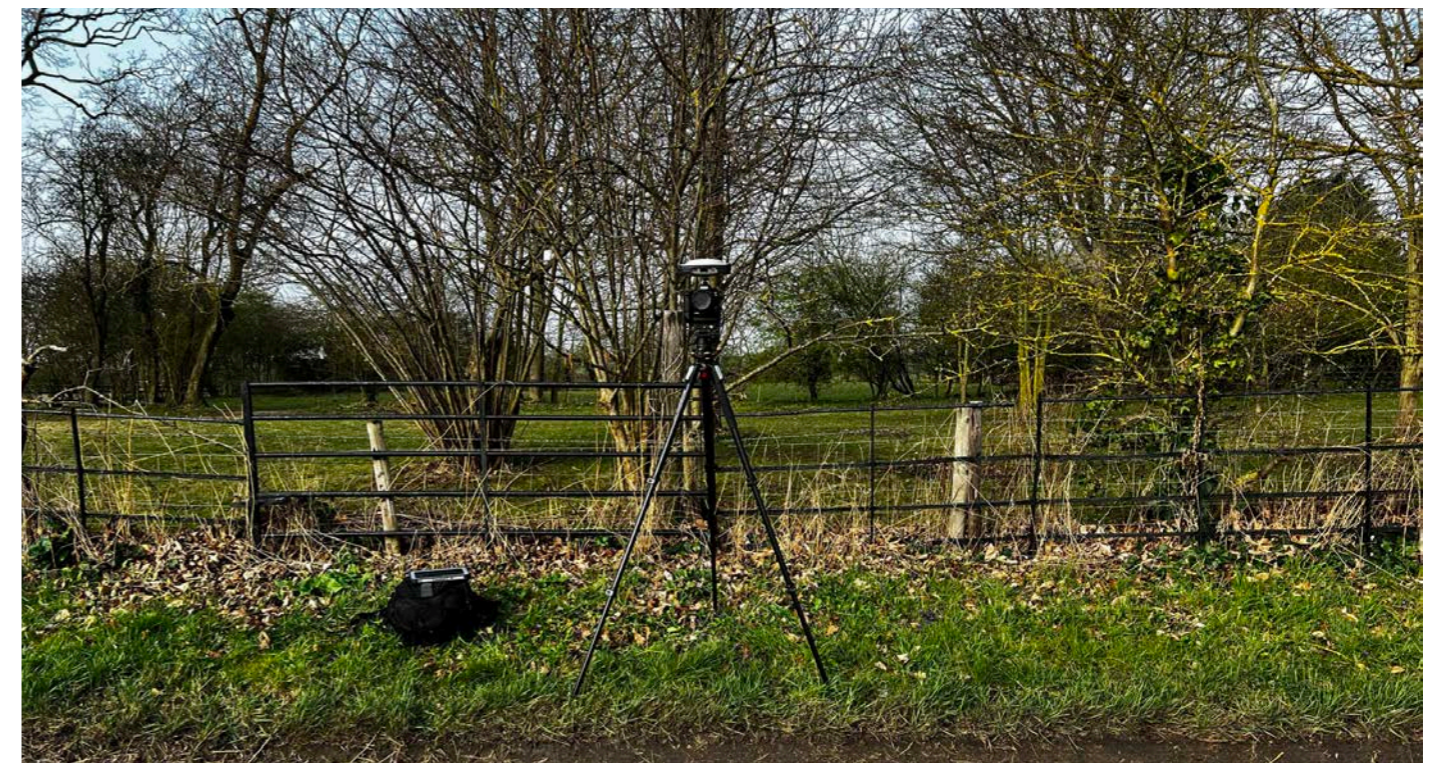
- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

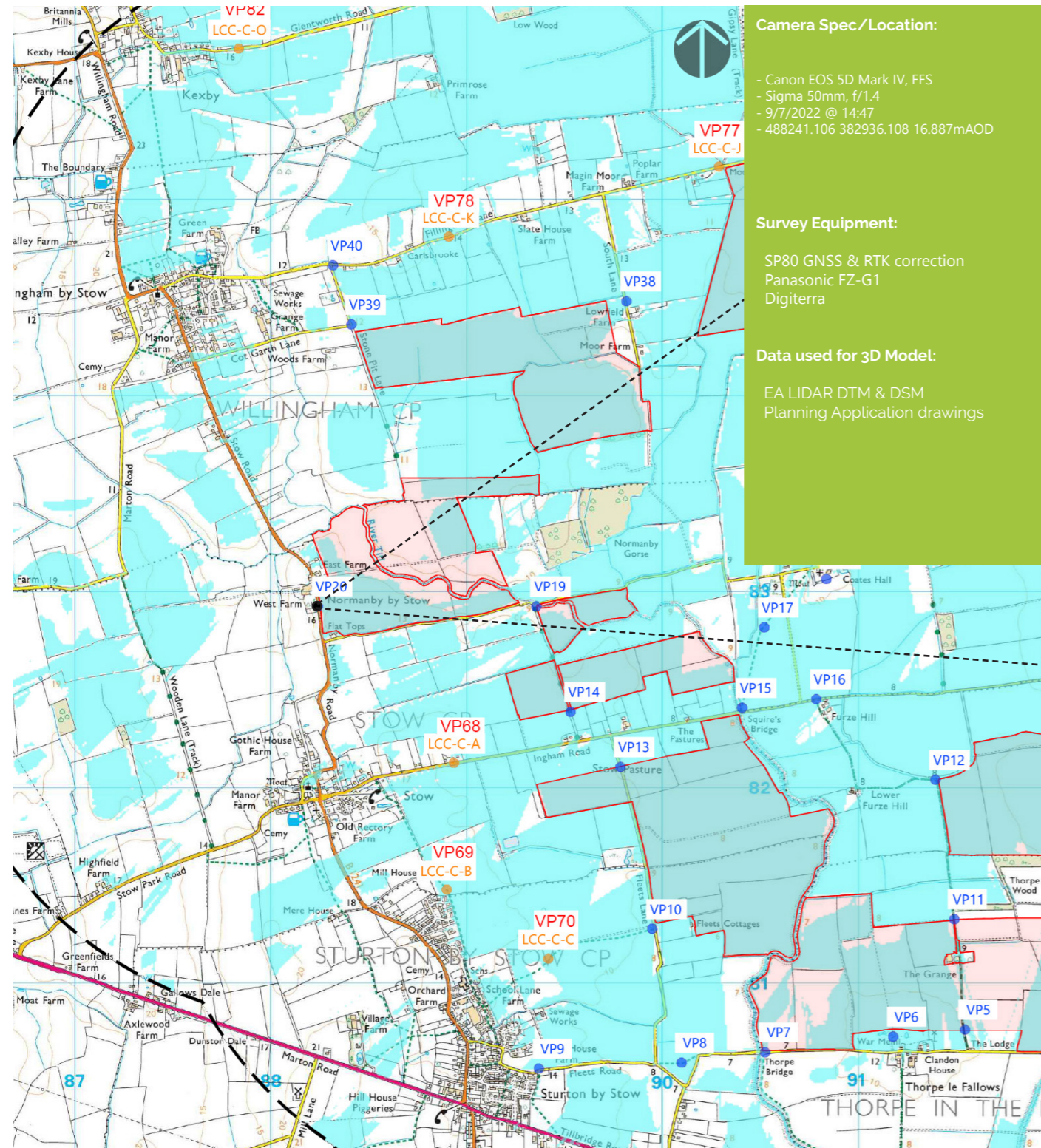
Point of Perspective

Point of Perspective

Viewpoint 20 Single Frame 50mm image (Winter)

Viewpoint 20 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

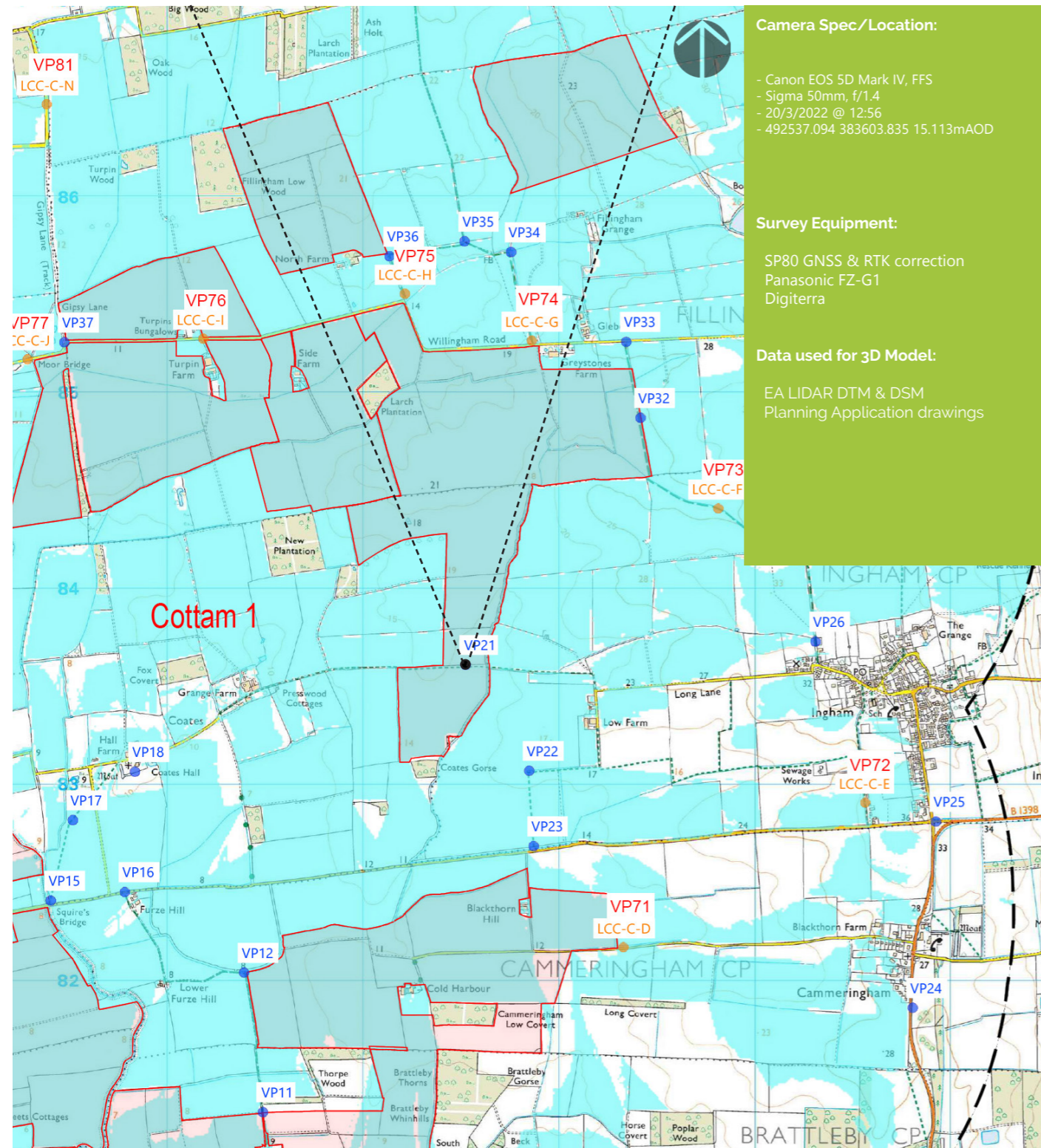
Point of Perspective

Point of Perspective

Viewpoint 20 Single Frame 50mm image (Summer)

Viewpoint 21 (Winter)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

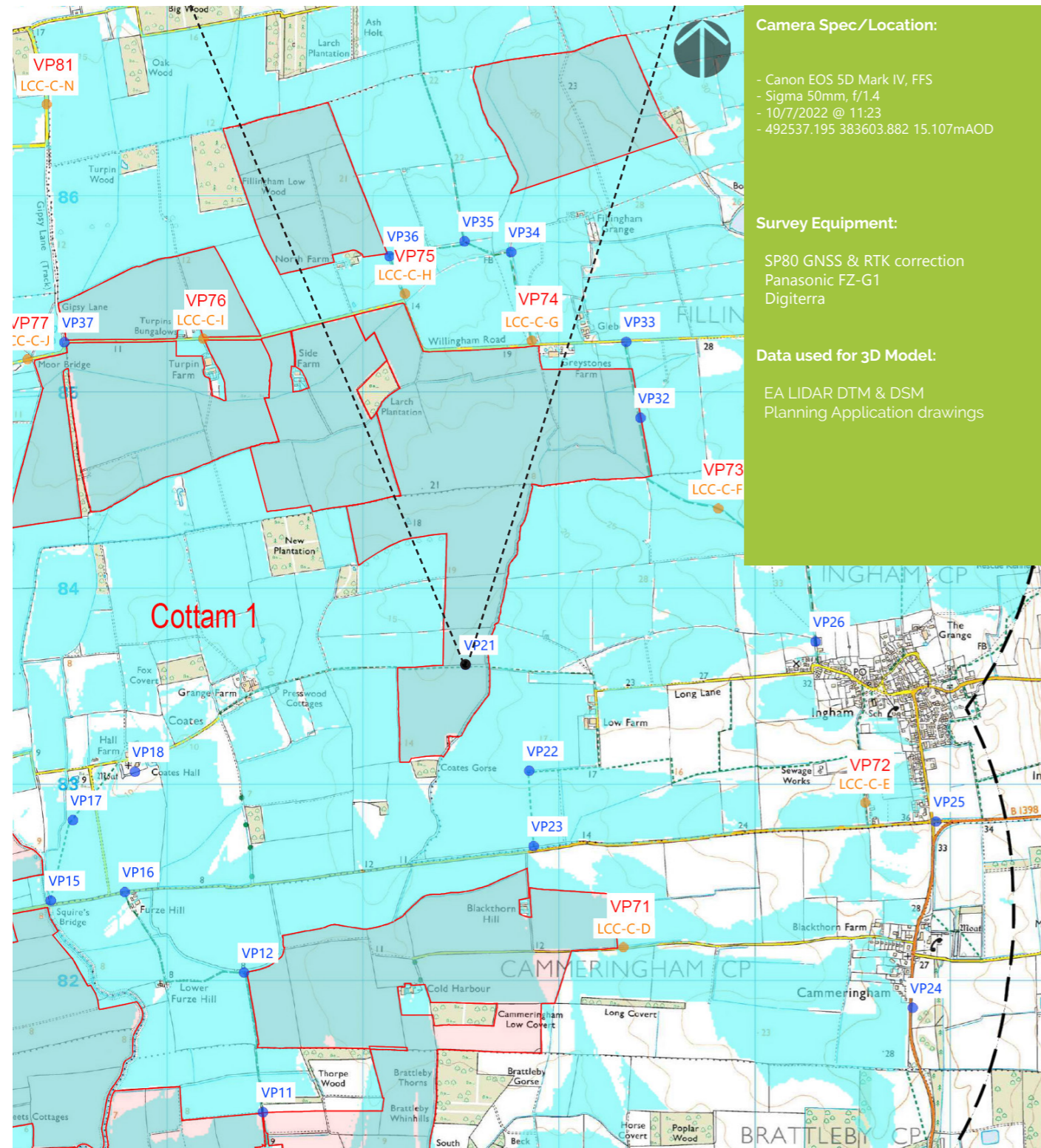
Point of Perspective

Point of Perspective

Viewpoint 21 Single Frame 50mm image (Winter)

Viewpoint 21 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

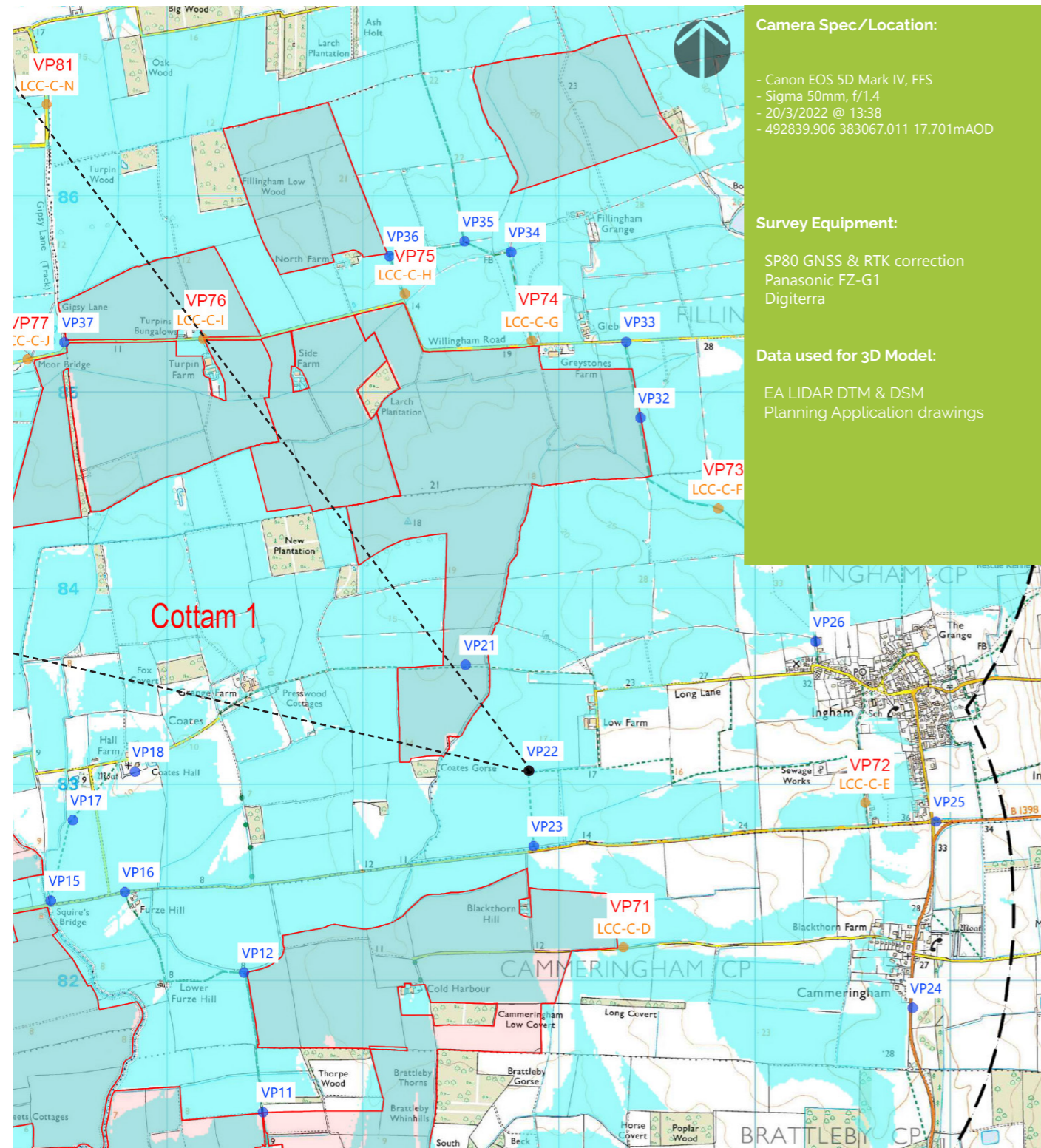
Point of Perspective

Point of Perspective

Viewpoint 21 Single Frame 50mm image (Summer)

Viewpoint 22 (Winter)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

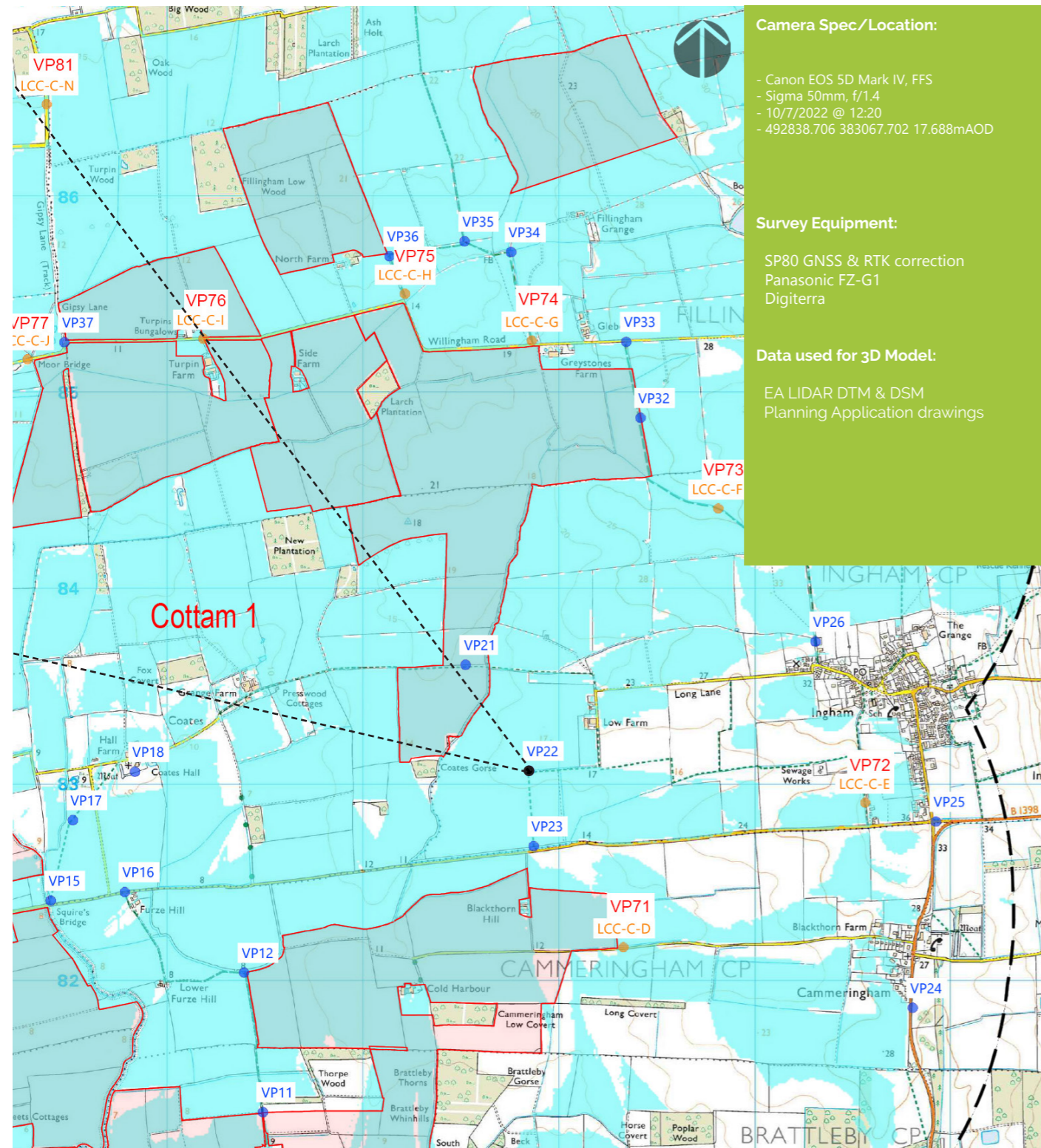
Point of Perspective

Point of Perspective

Viewpoint 22 Single Frame 50mm image (Winter)

Viewpoint 22 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

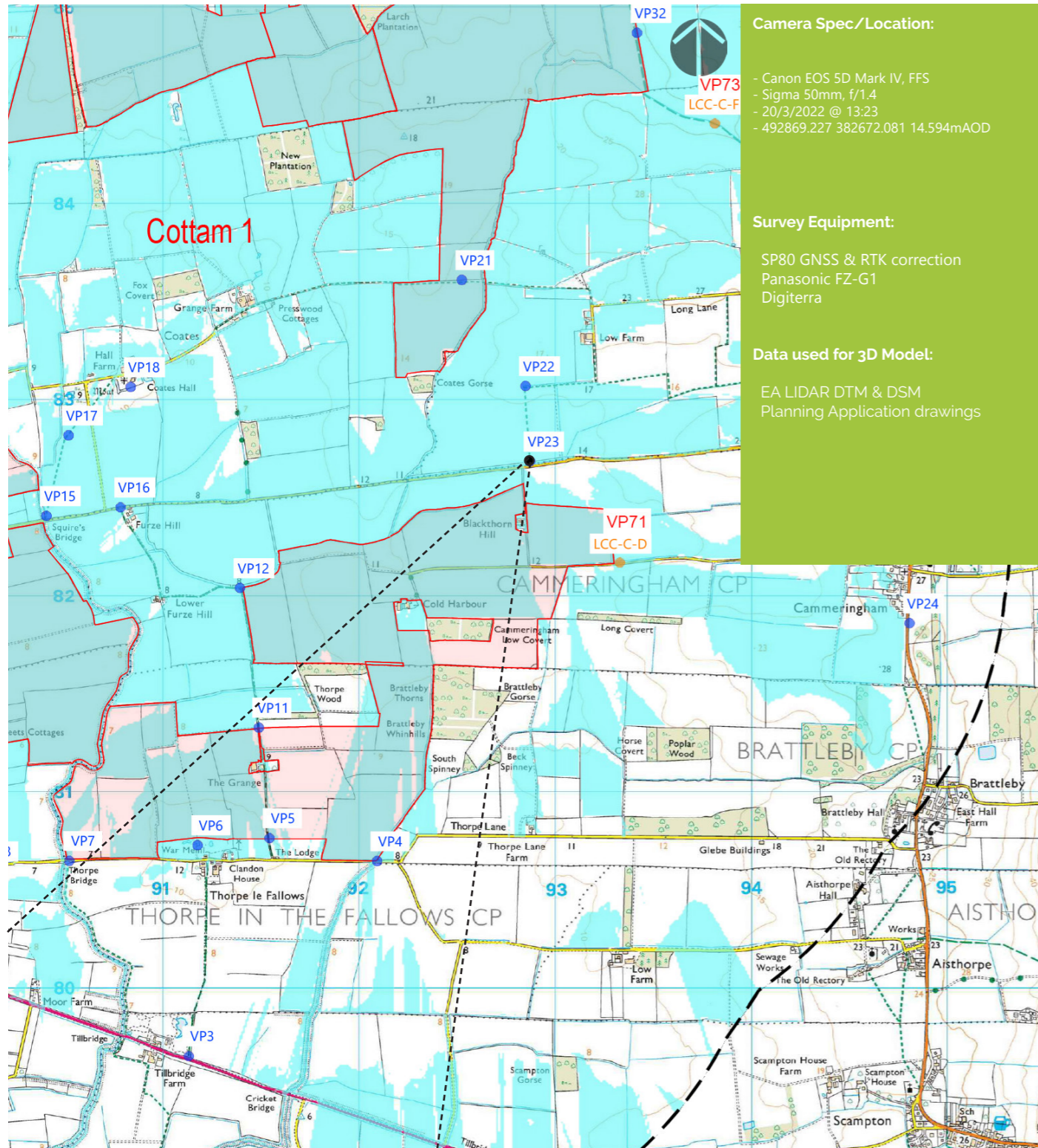
Point of Perspective

Point of Perspective

Viewpoint 22 Single Frame 50mm image (Summer)

Viewpoint 23 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 13:23
- 492869.227 382672.081 14.594mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

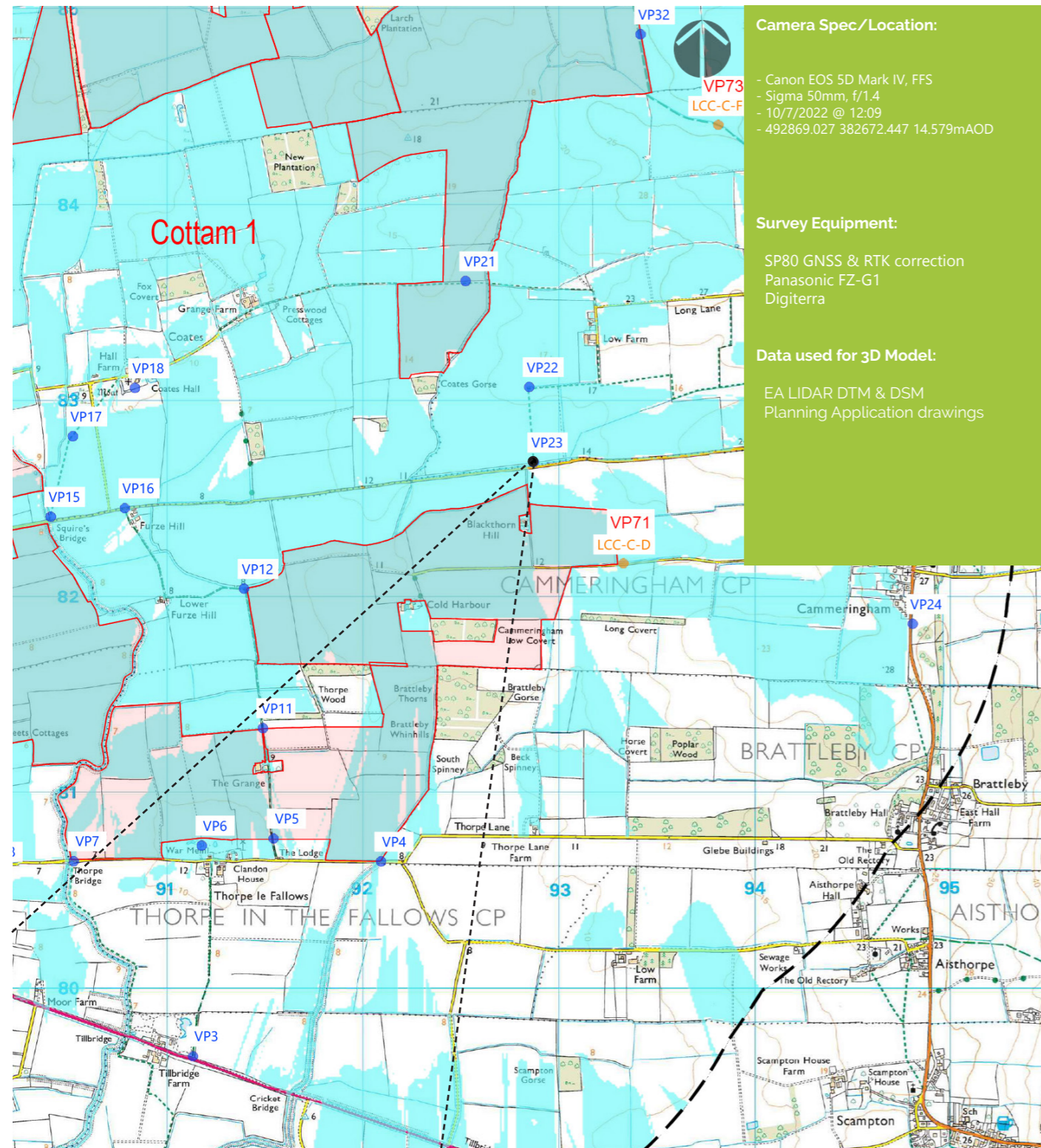
Point of Perspective

Point of Perspective

Viewpoint 23 Single Frame 50mm image (Winter)

Viewpoint 23 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 10/7/2022 @ 12:09
- 492869.027 382672.447 14.579mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



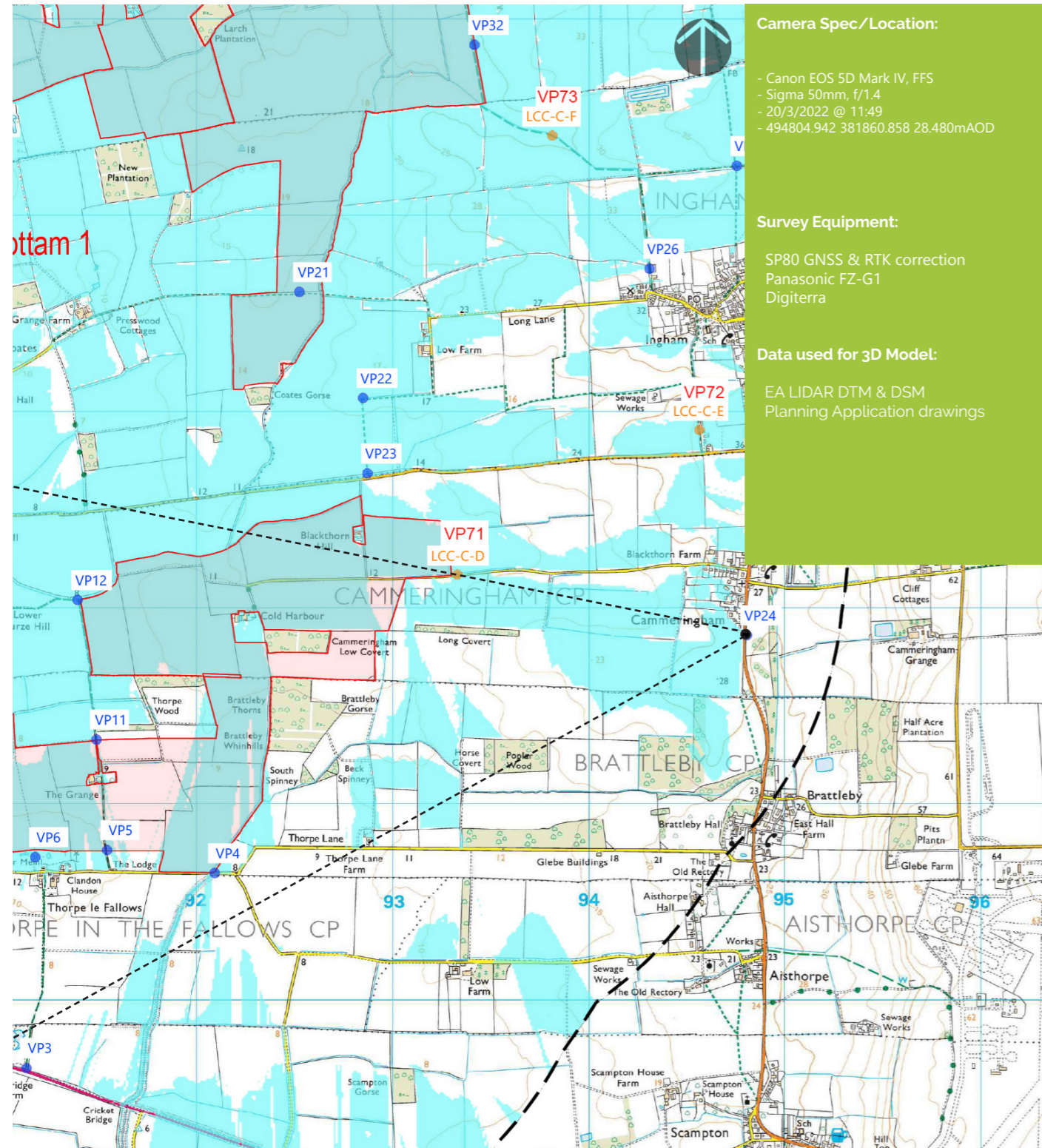
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 23 Single Frame 50mm image (Summer)

Viewpoint 24 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 11:49
- 494804.942 381860.858 28.480m AOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

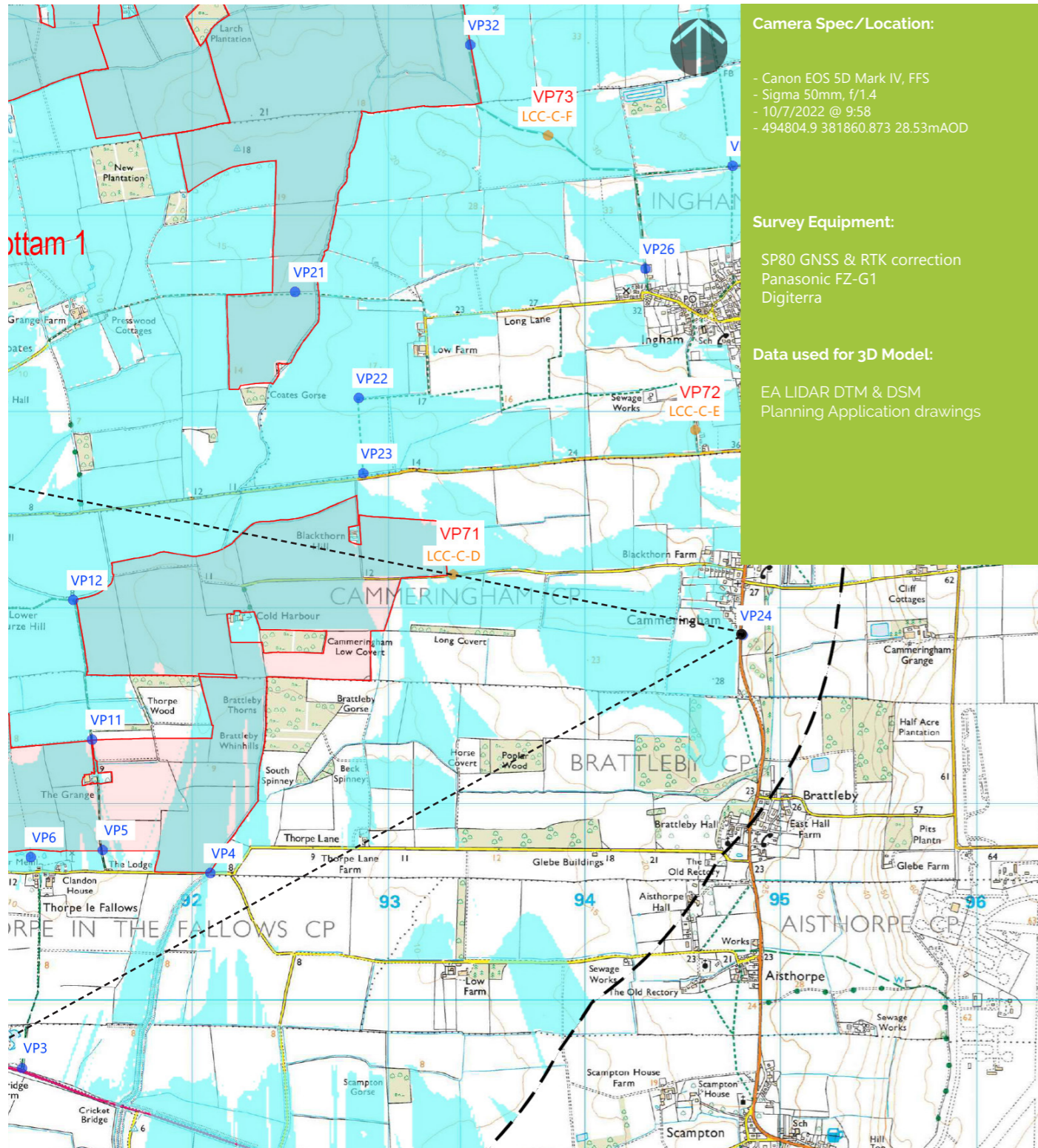
Point of Perspective

Point of Perspective

Viewpoint 24 Single Frame 50mm image (Winter)

Viewpoint 24 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 10/7/2022 @ 9:58
- 494804.9 381860.873 28.53m AOD

Survey Equipment:

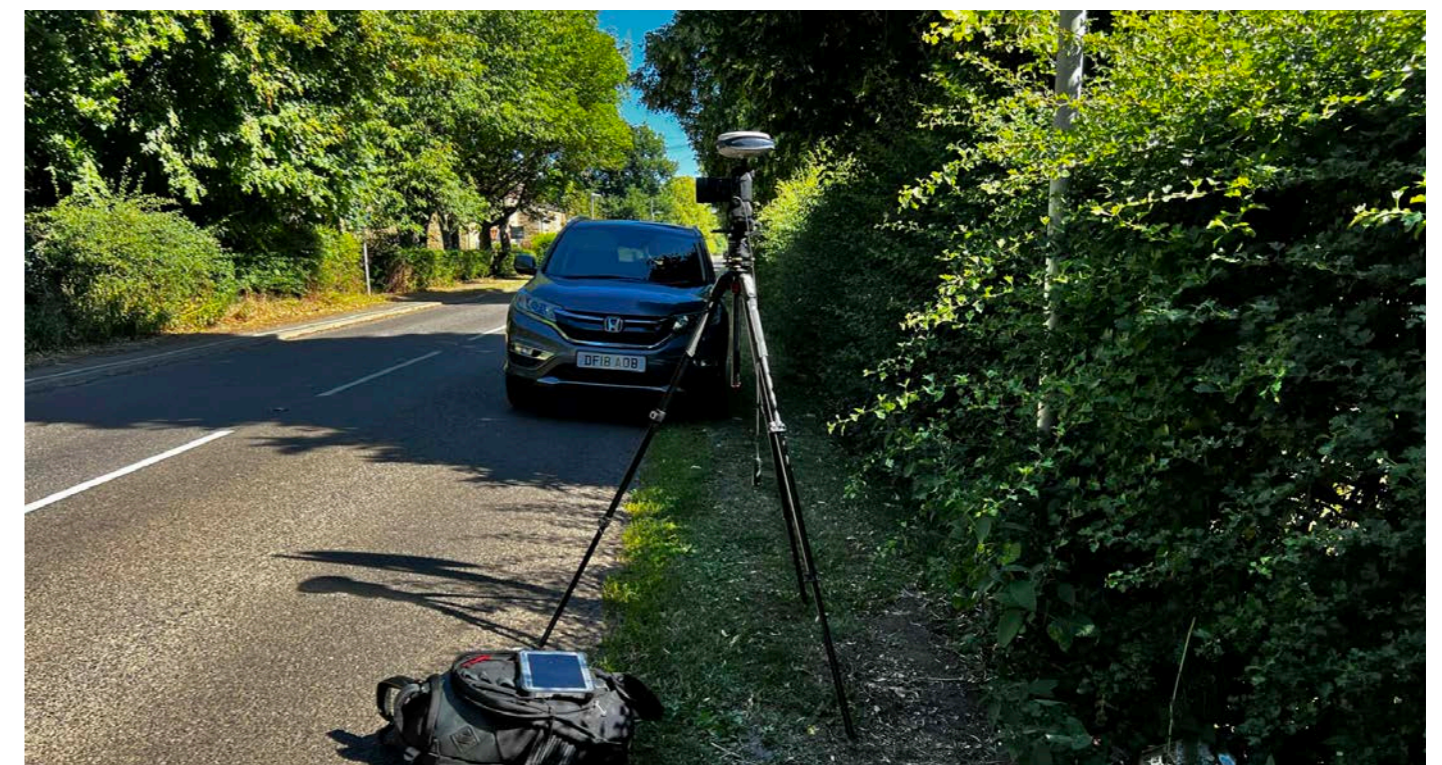
- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

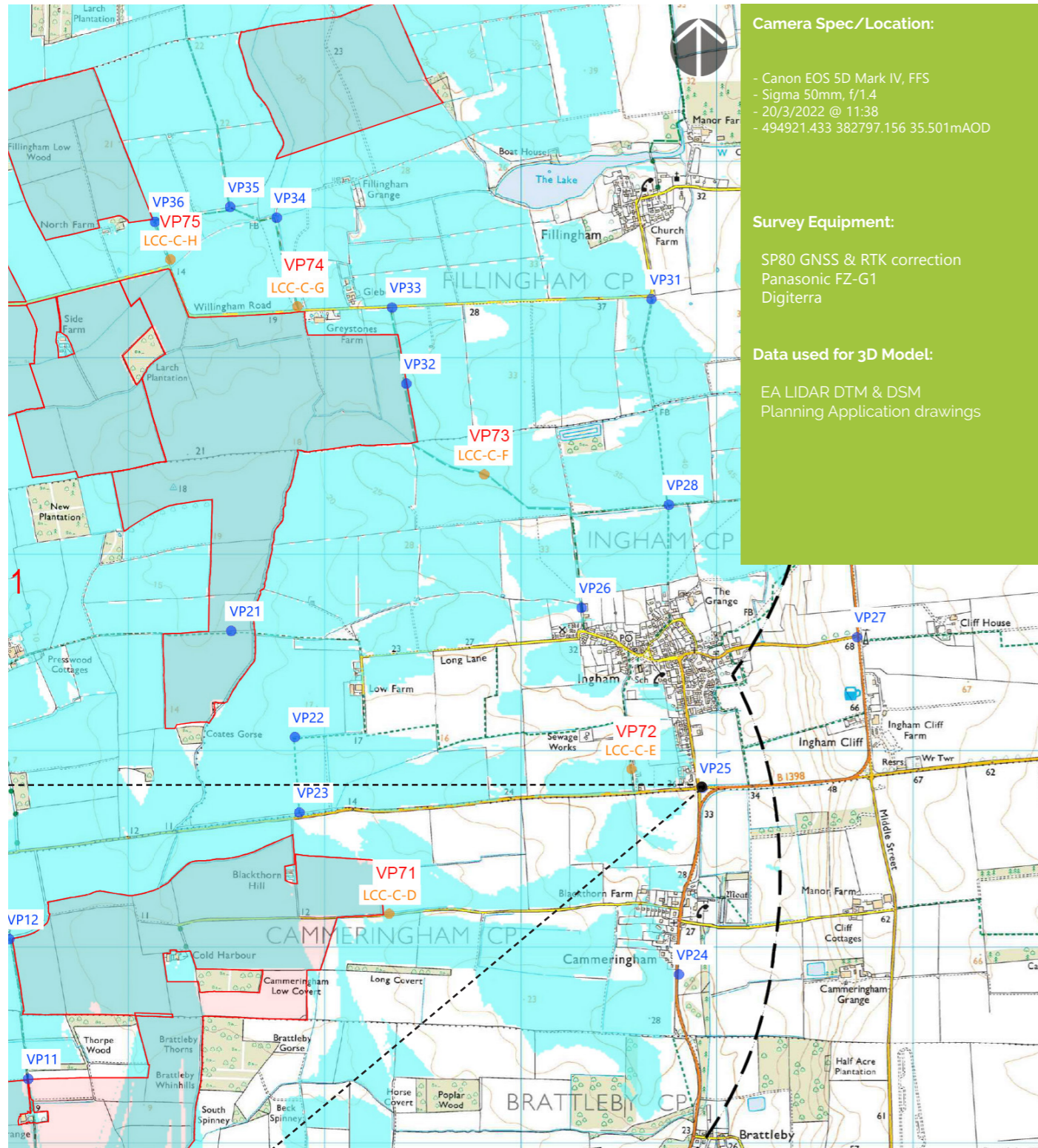
Point of Perspective

Point of Perspective

Viewpoint 24 Single Frame 50mm image (Summer)

Viewpoint 25 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 11:38
- 494921.433 382797.156 35.501mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

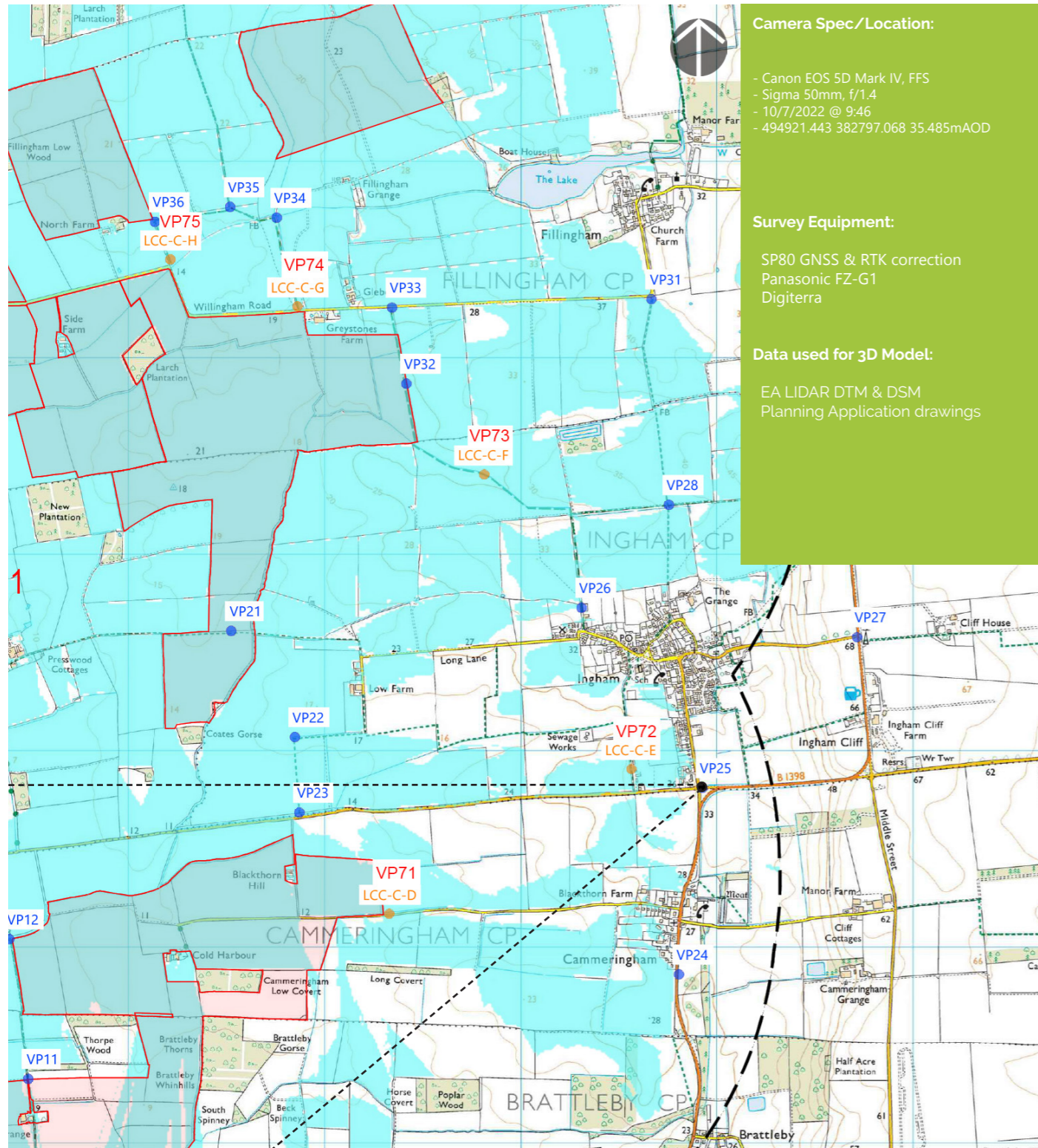
Point of Perspective

Point of Perspective

Viewpoint 25 Single Frame 50mm image (Winter)

Viewpoint 25 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

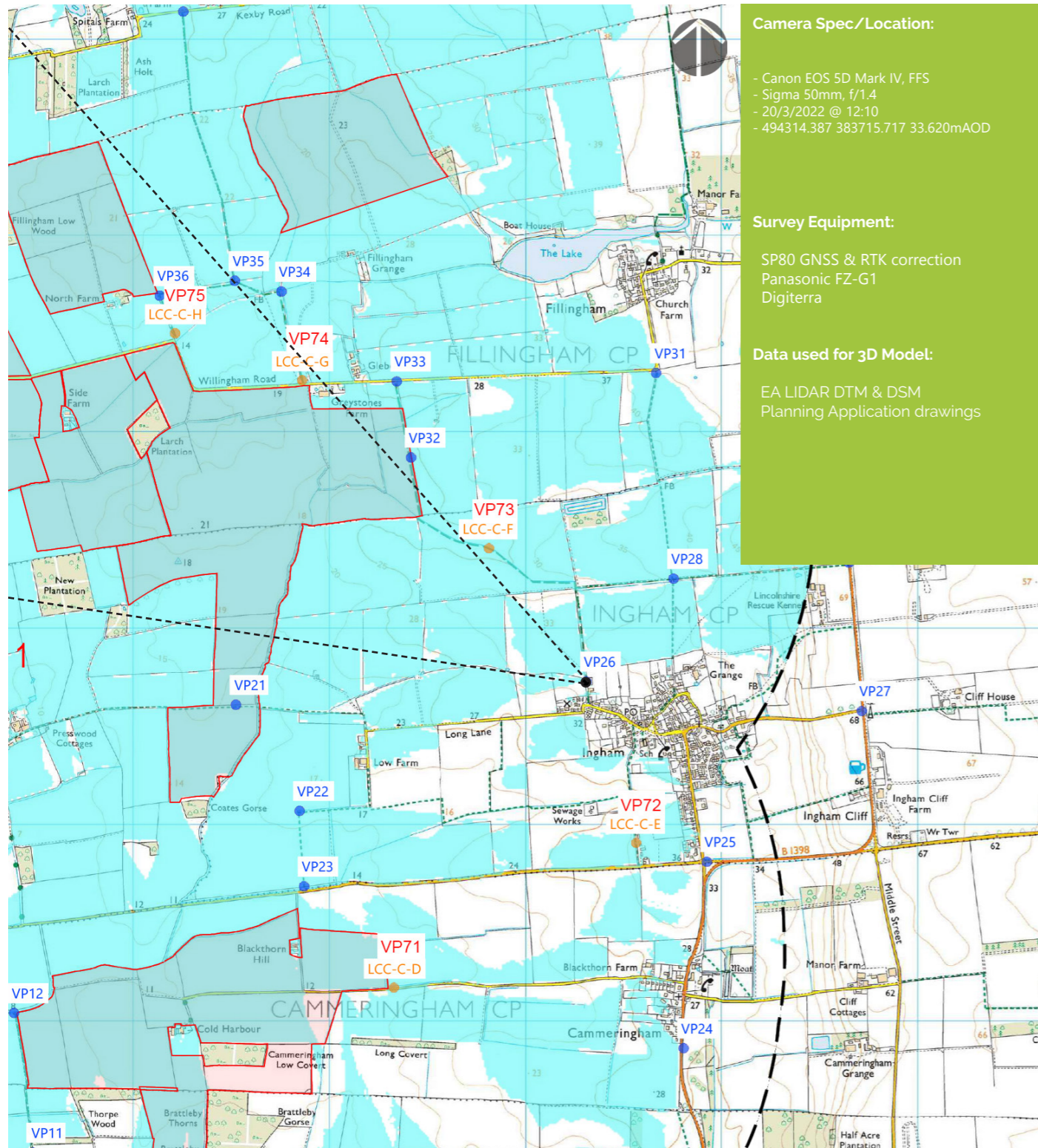
Point of Perspective

Point of Perspective

Viewpoint 25 Single Frame 50mm image (Summer)

Viewpoint 26 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 12:10
- 494314.387 383715.717 33.620mAOD

Survey Equipment:

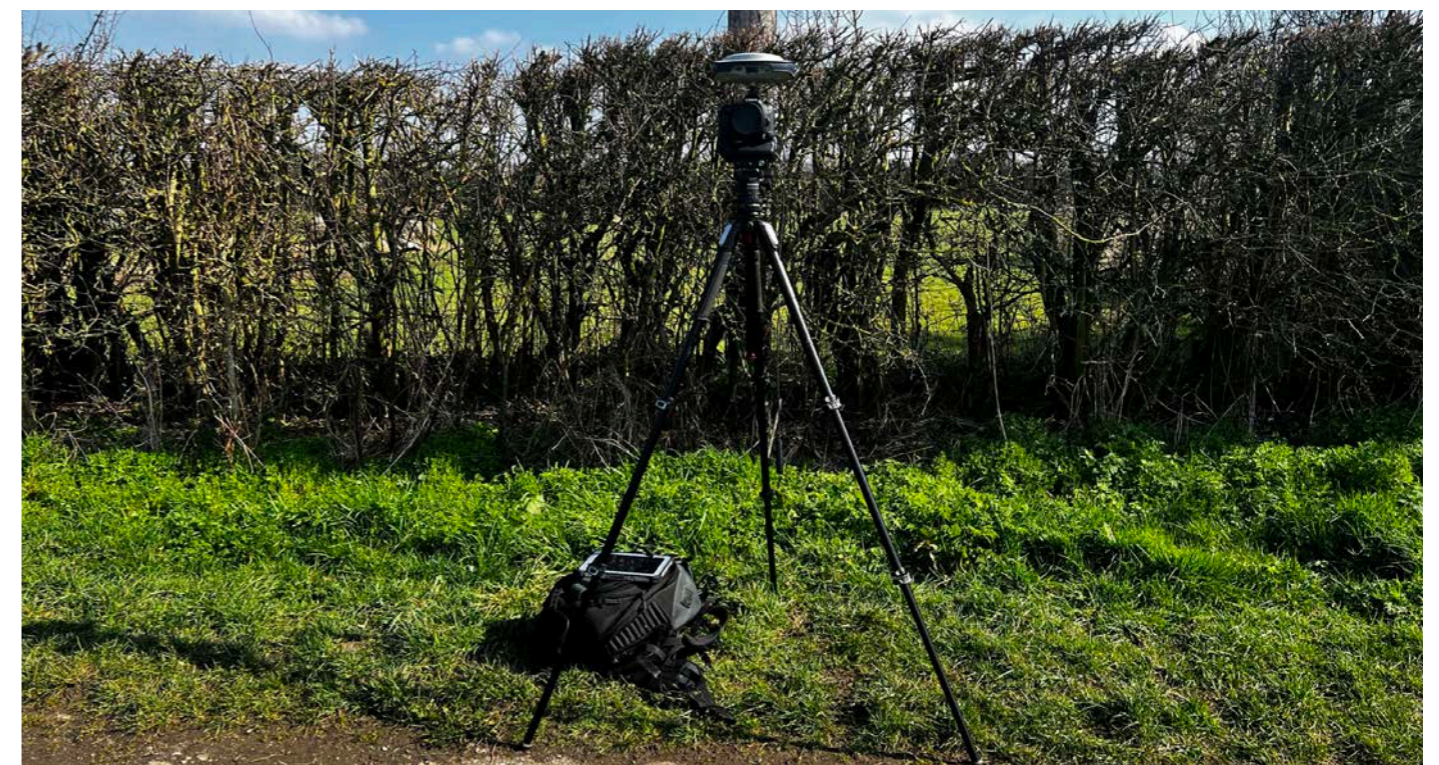
- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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- Planning Application drawings

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Tripod:



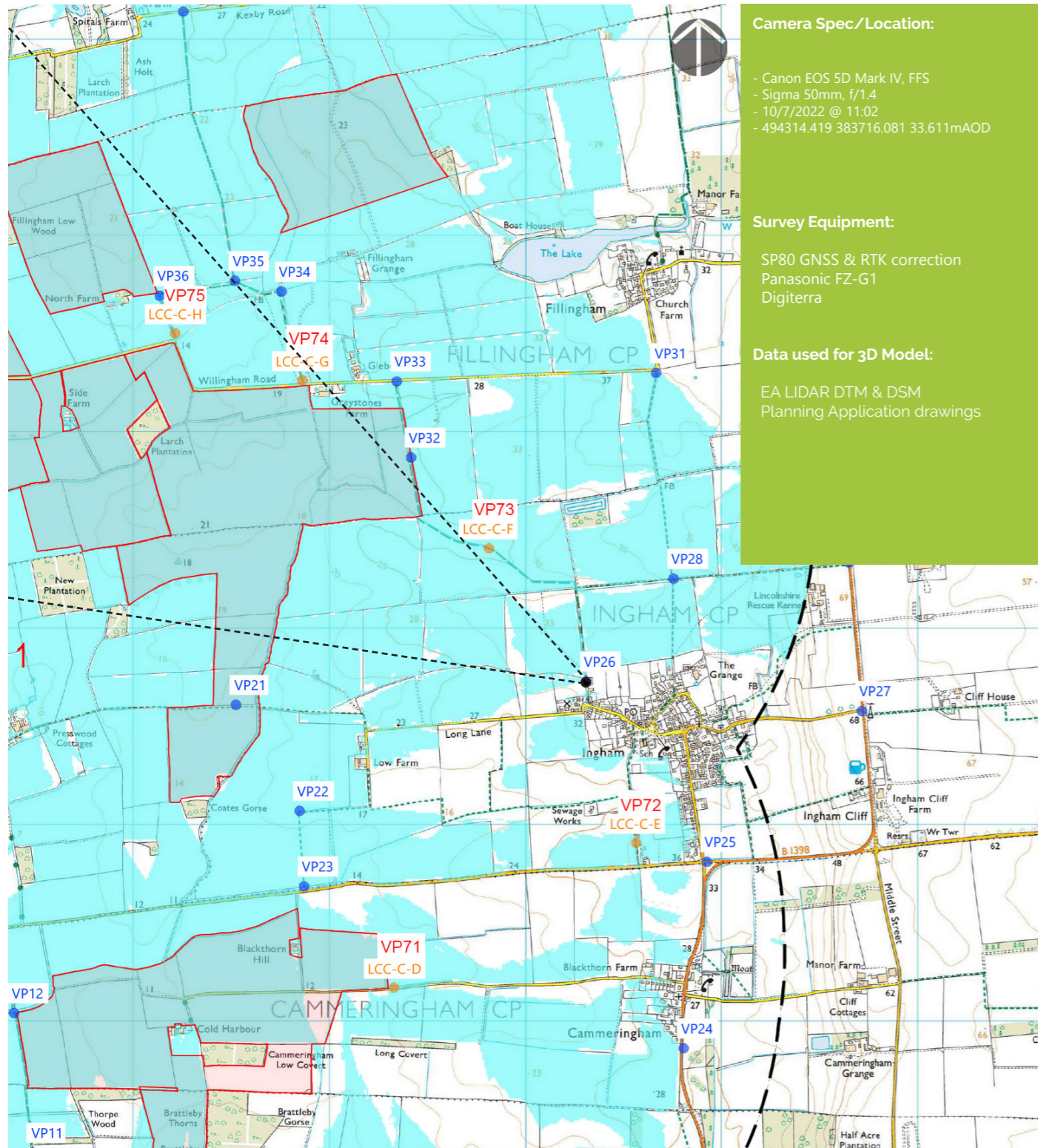
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 26 Single Frame 50mm image (Winter)

Viewpoint 26 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

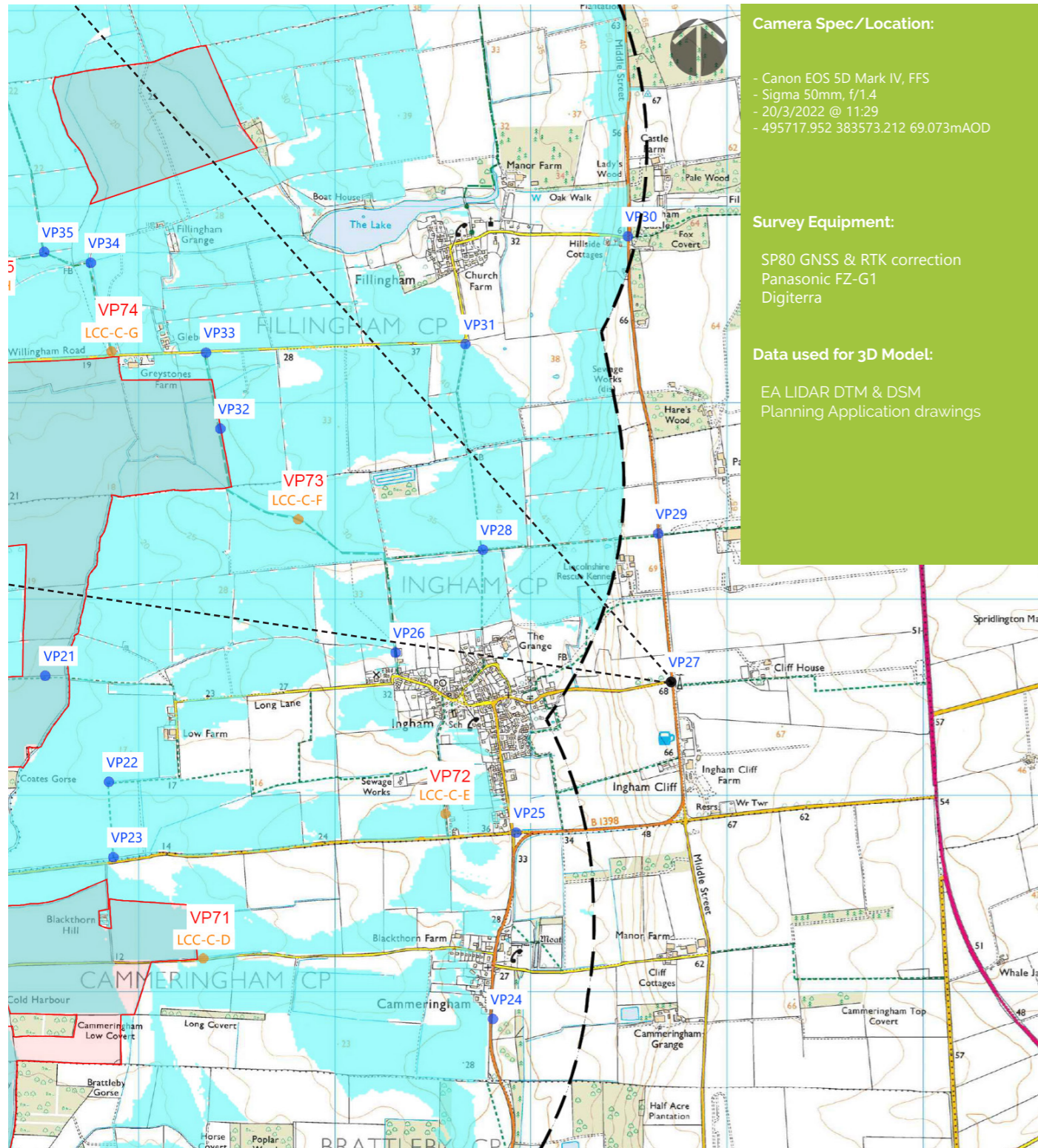
Point of Perspective

Point of Perspective

Viewpoint 26 Single Frame 50mm image (Summer)

Viewpoint 27 (Winter)

Camera Location:



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Tripod:



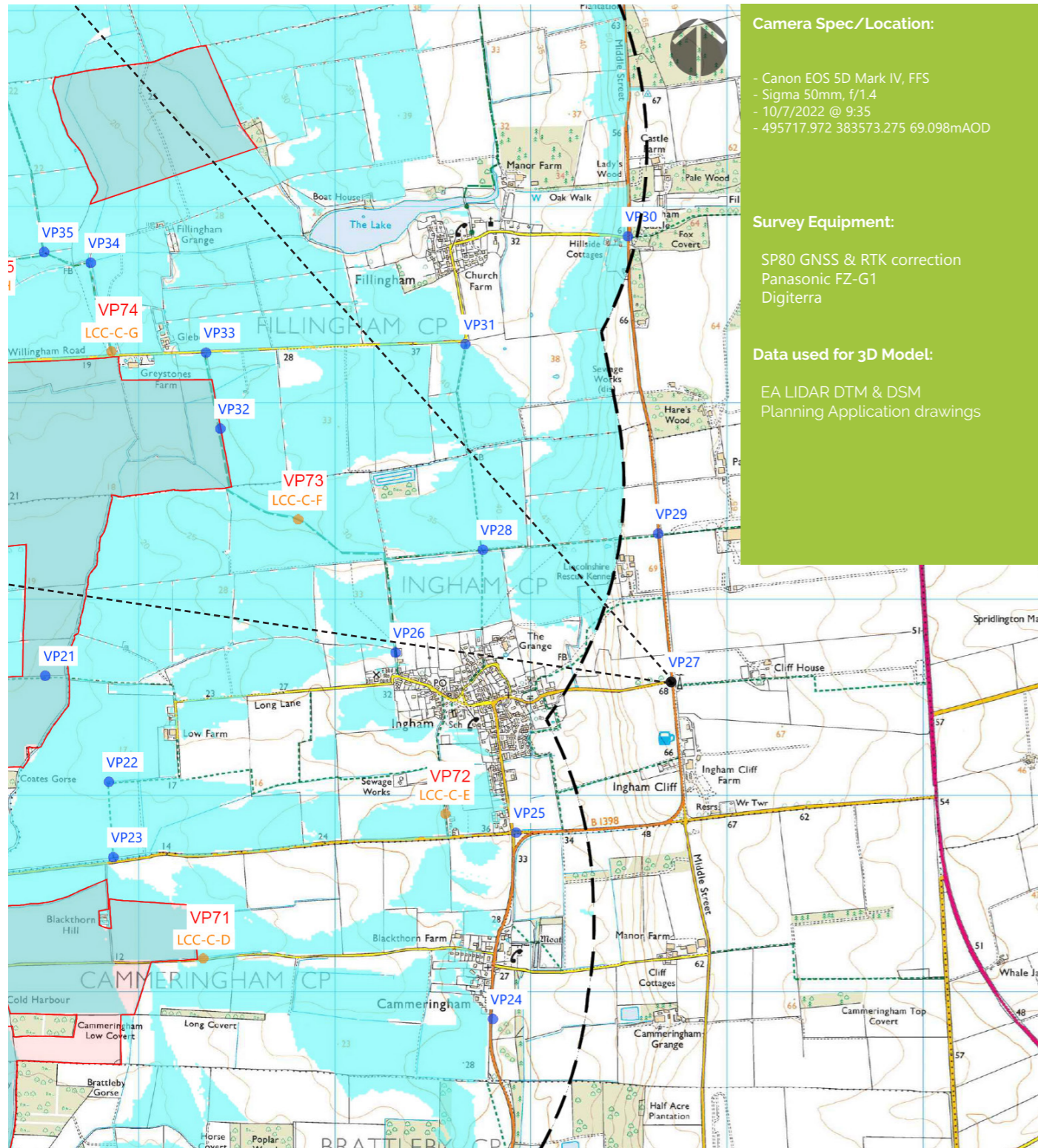
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 27 Single Frame 50mm image (Winter)

Viewpoint 27 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

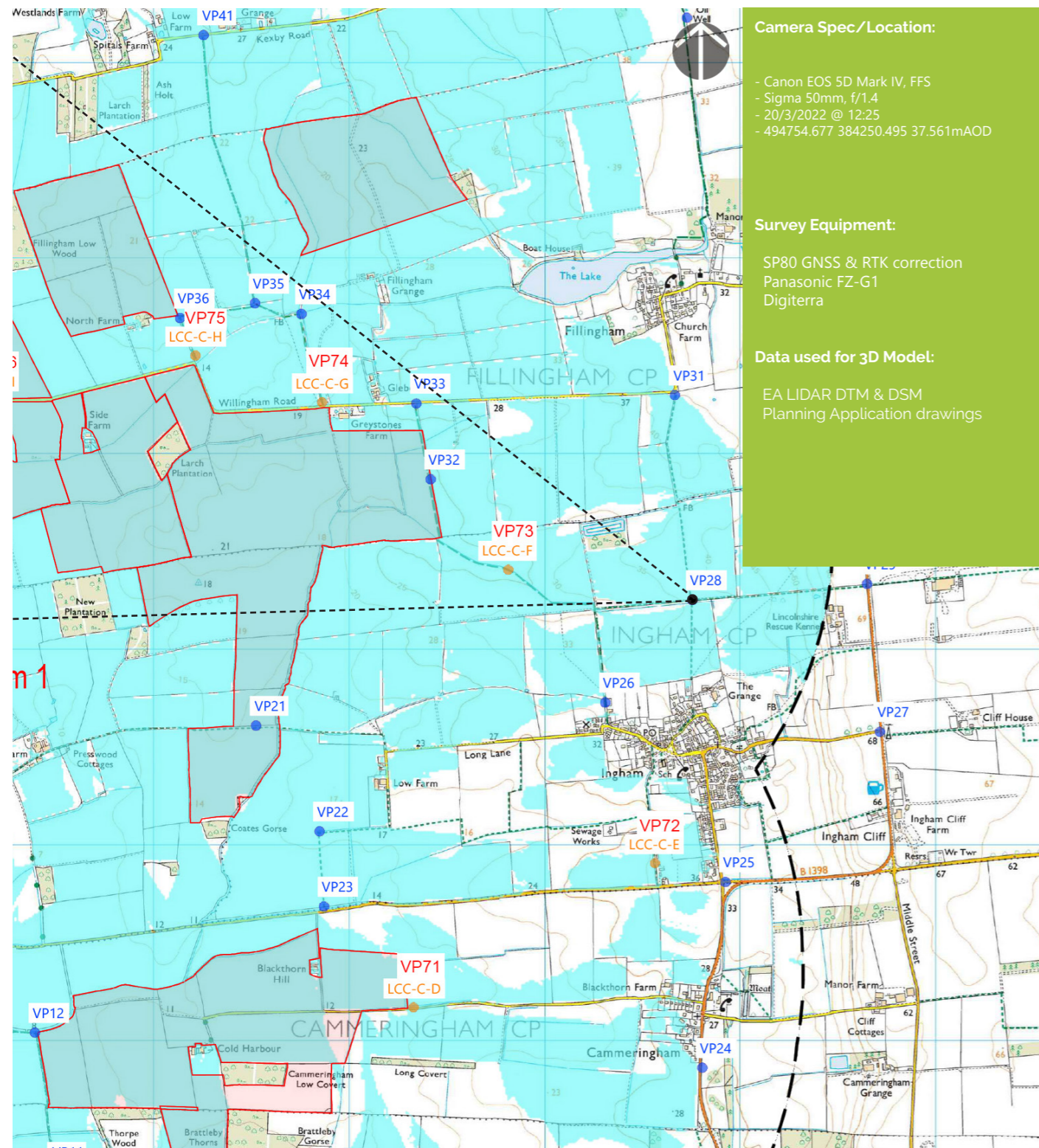
Point of Perspective

Point of Perspective

Viewpoint 27 Single Frame 50mm image (Summer)

Viewpoint 28 (Winter)

Camera Location:



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Tripod:



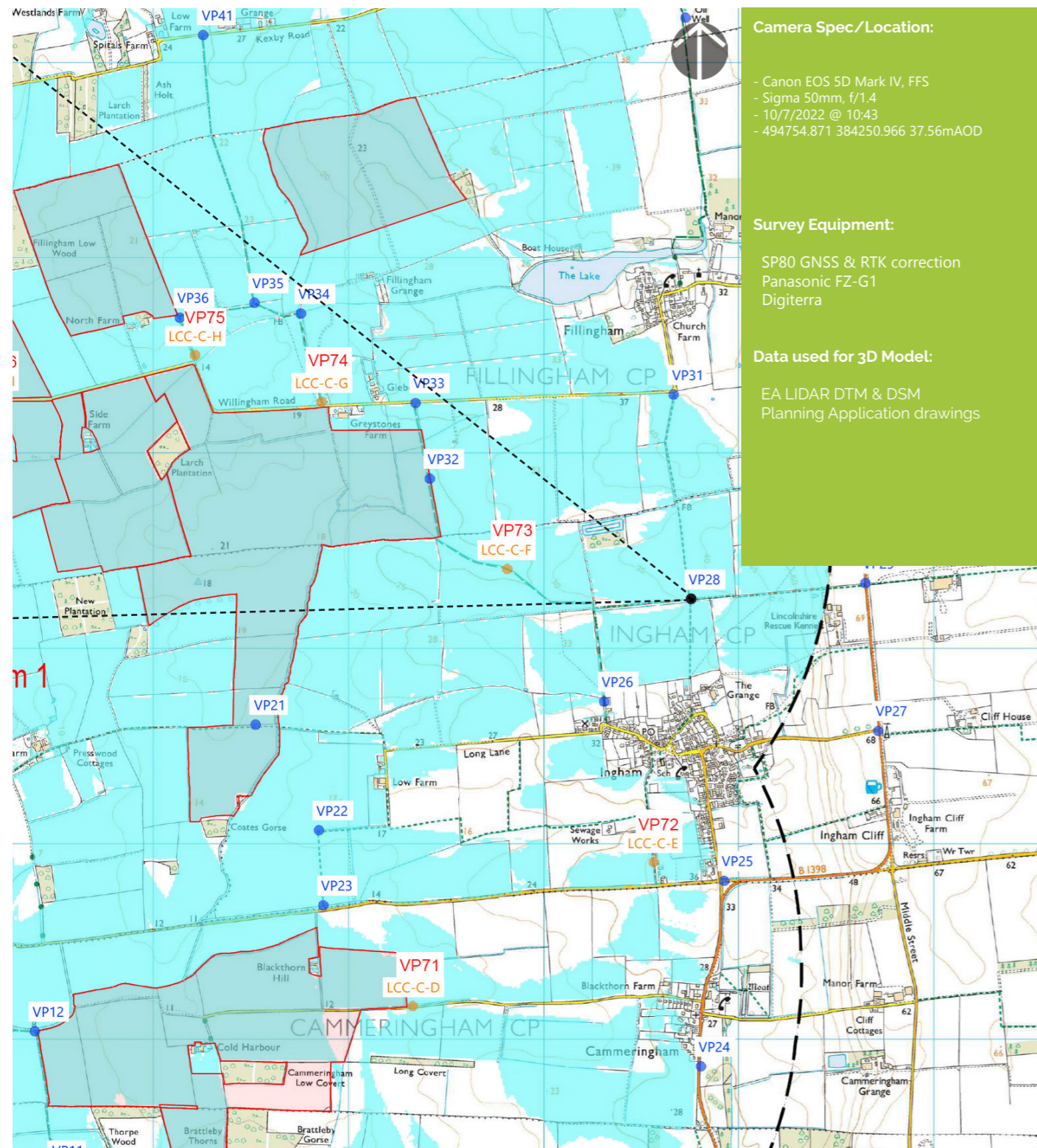
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 28 Single Frame 50mm image (Winter)

Viewpoint 28 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

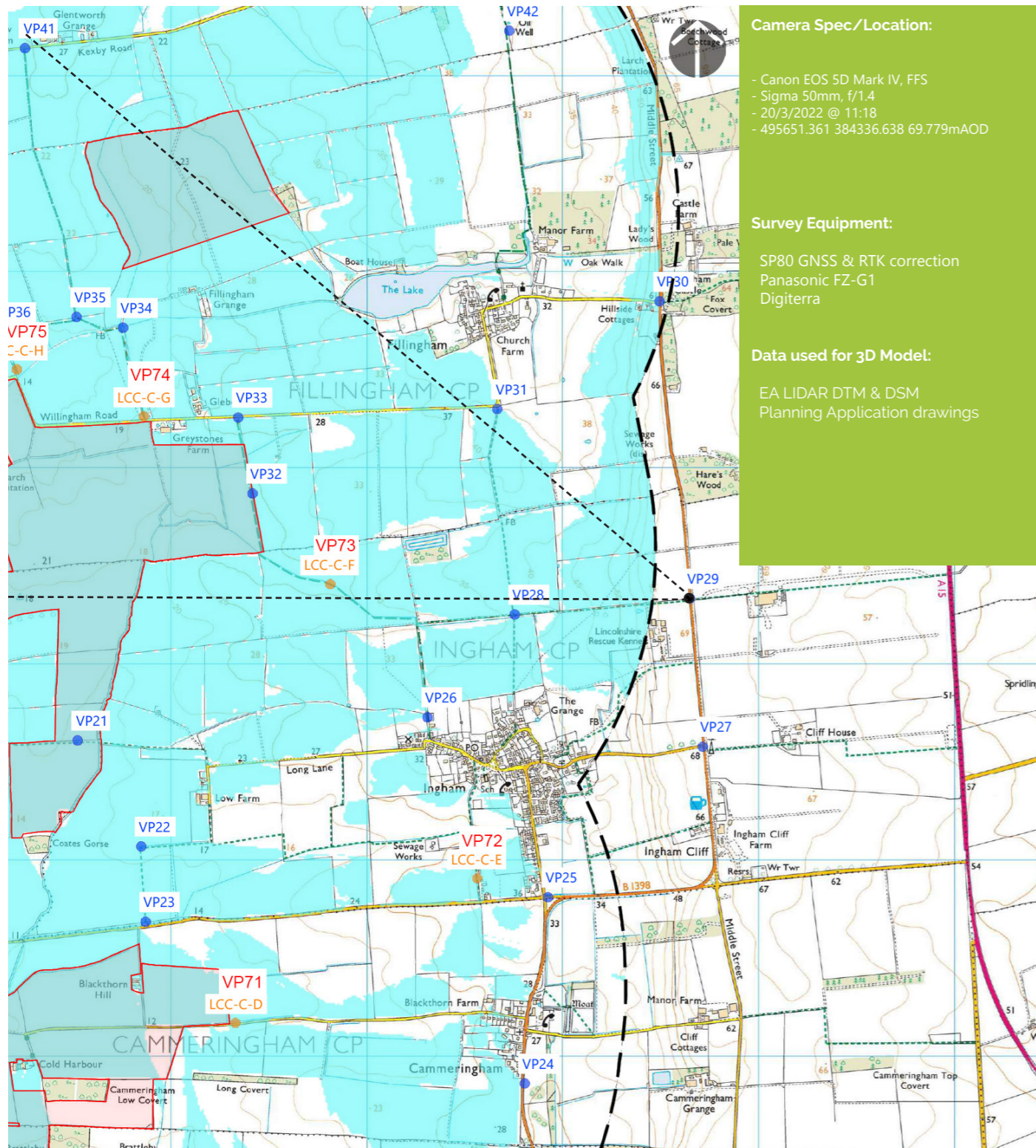
Point of Perspective

Point of Perspective

Viewpoint 28 Single Frame 50mm image (Summer)

Viewpoint 29 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 11:18
- 495651.361 384336.638 69.779mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

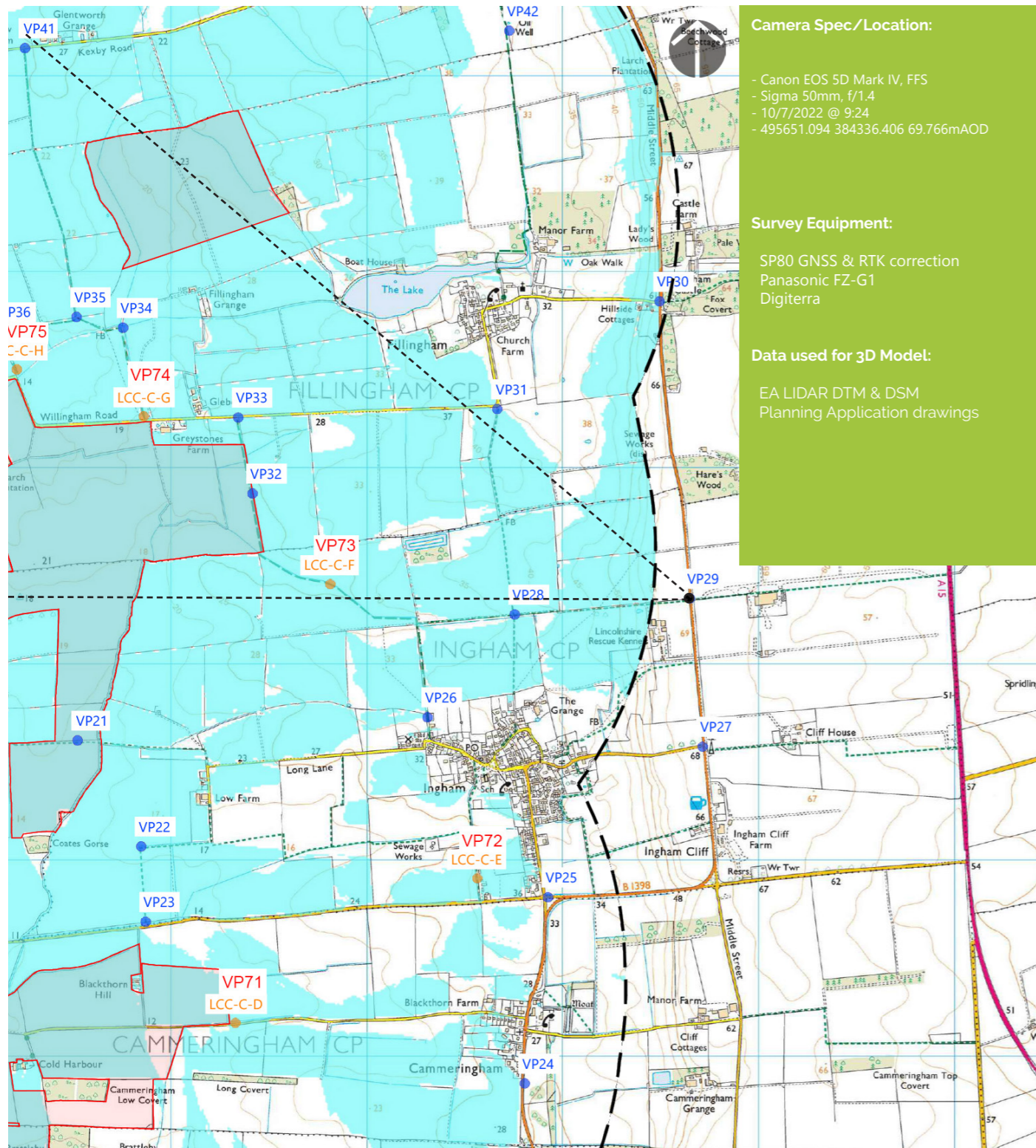
Point of Perspective

Point of Perspective

Viewpoint 29 Single Frame 50mm image (Winter)

Viewpoint 29 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 10/7/2022 @ 9:24
- 495651.094 384336.406 69.766mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

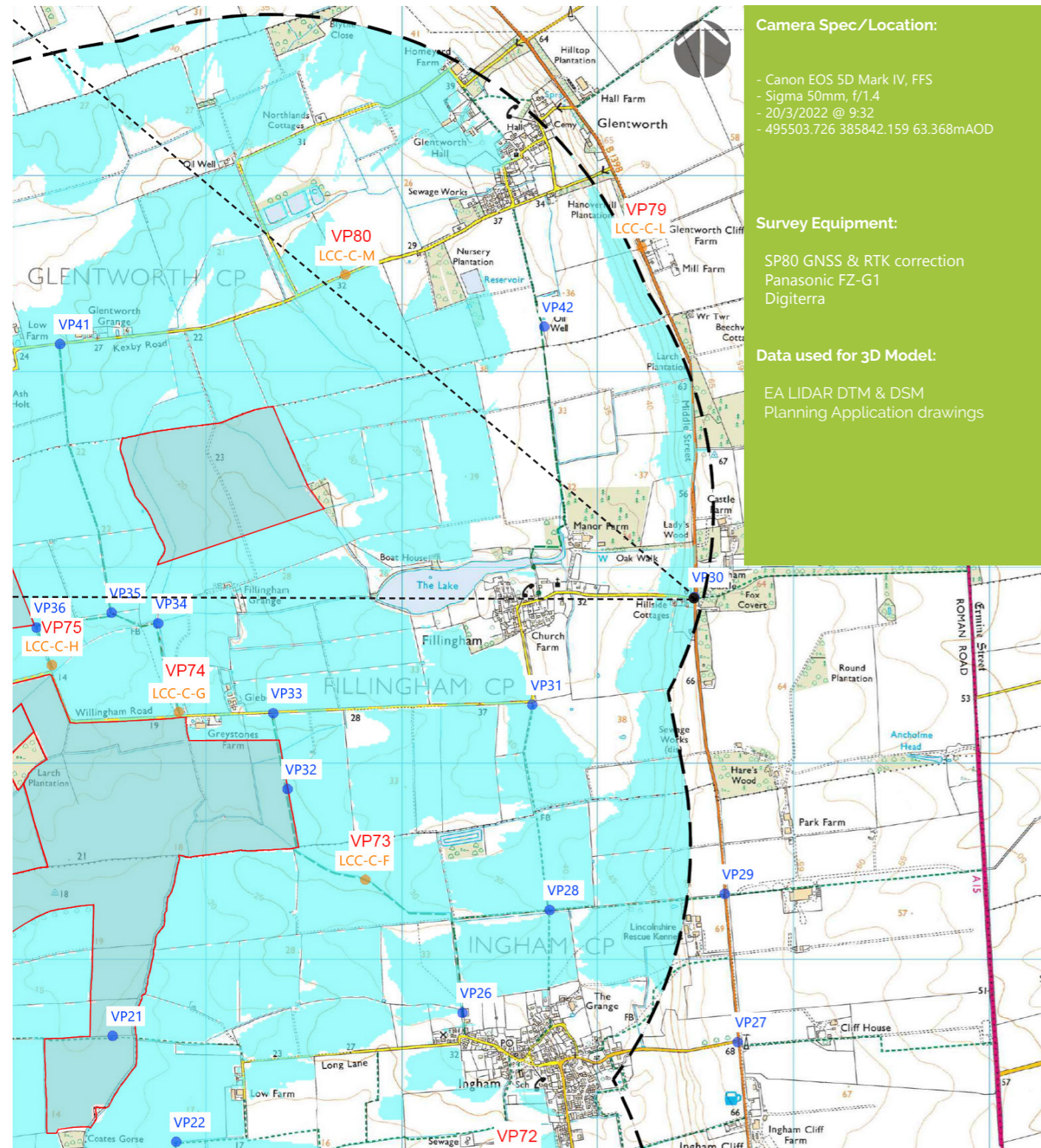
Point of Perspective

Point of Perspective

Viewpoint 29 Single Frame 50mm image (Summer)

Viewpoint 30 (Winter)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

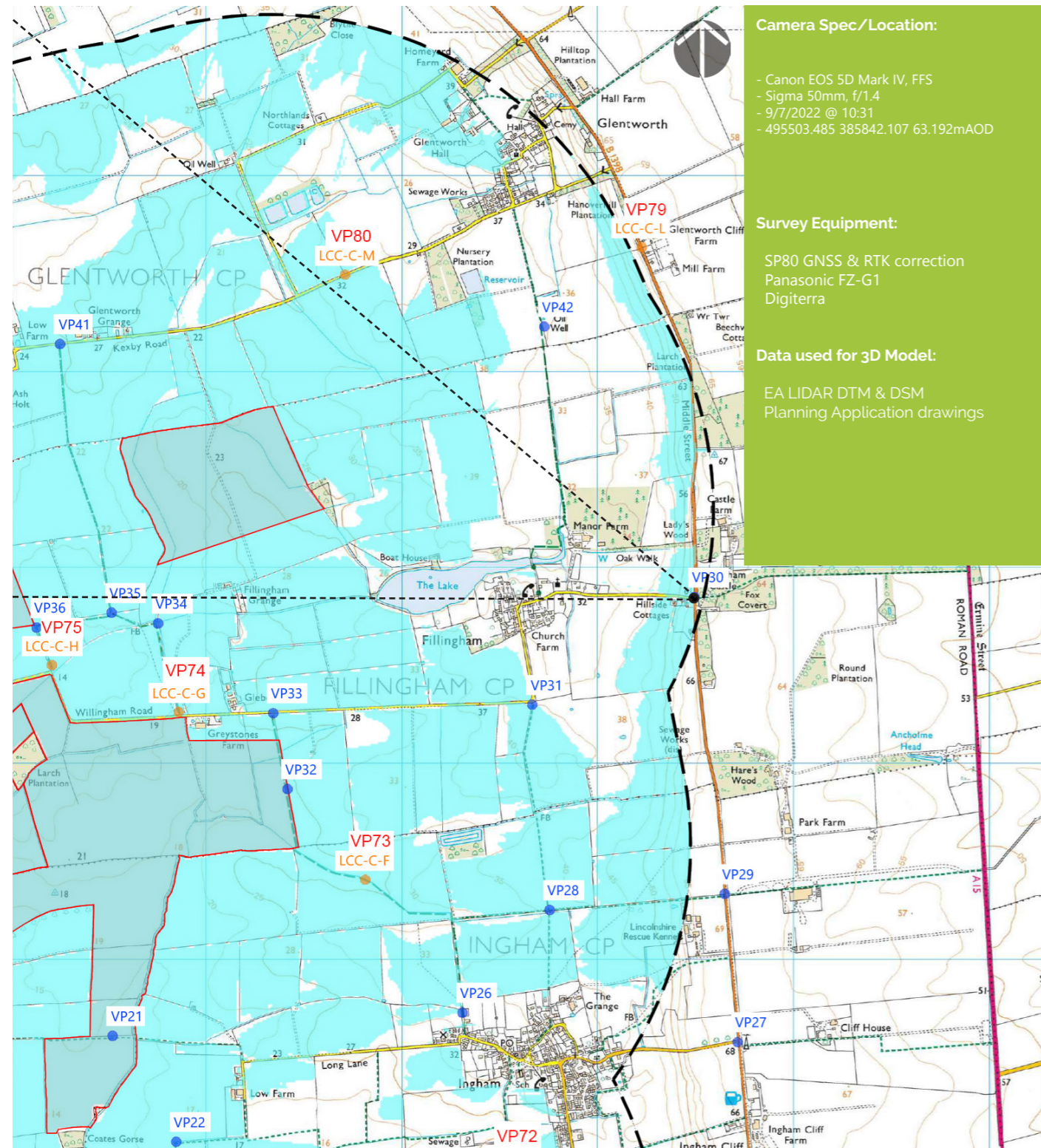
Point of Perspective

Point of Perspective

Viewpoint 30 Single Frame 50mm image (Winter)

Viewpoint 30 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 10:31
- 495503.485 385842.107 63.192mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

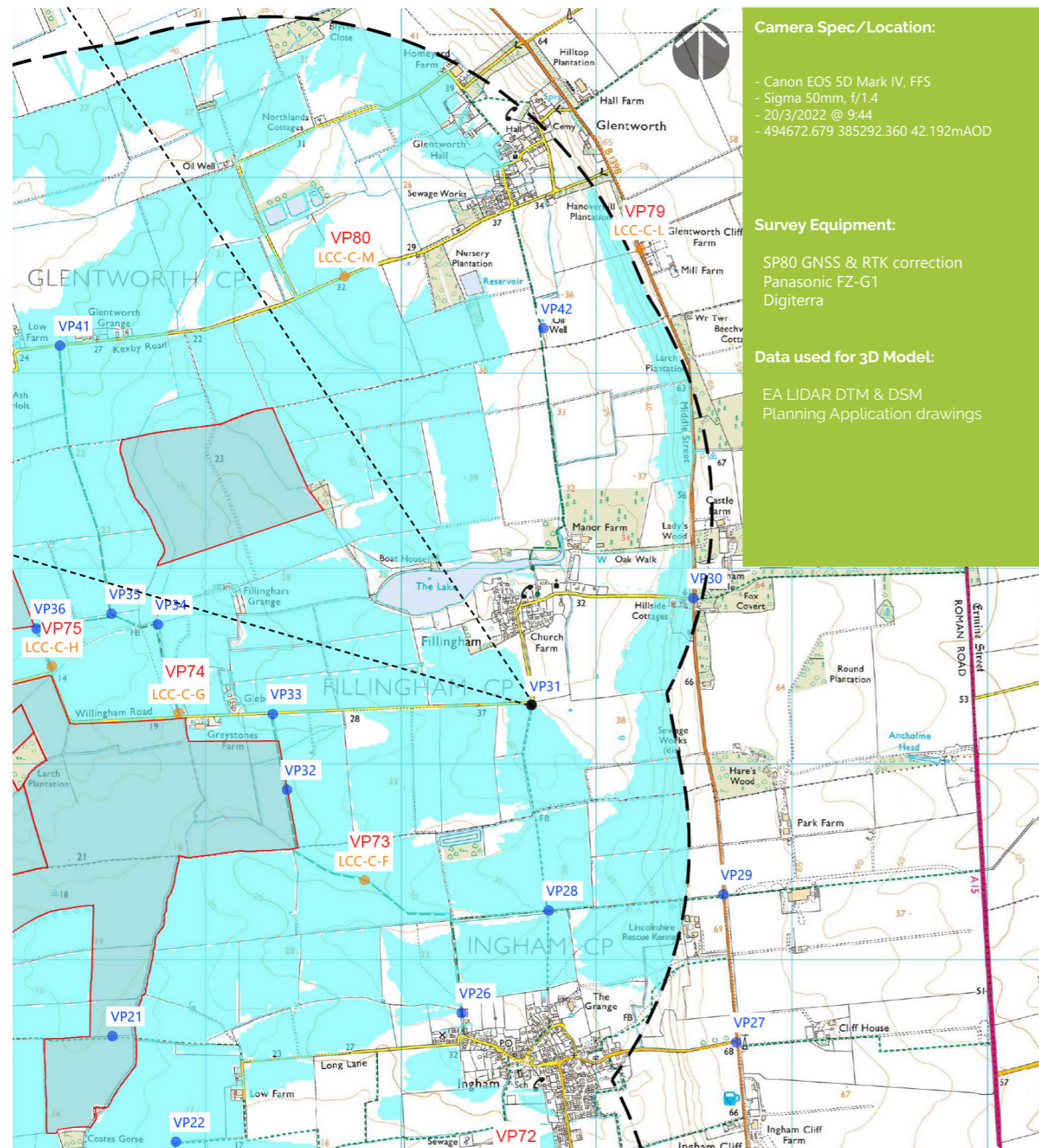
Point of Perspective

Point of Perspective

Viewpoint 30 Single Frame 50mm image (Summer)

Viewpoint 31 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 9:44
- 494672.679 385292.360 42.192mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

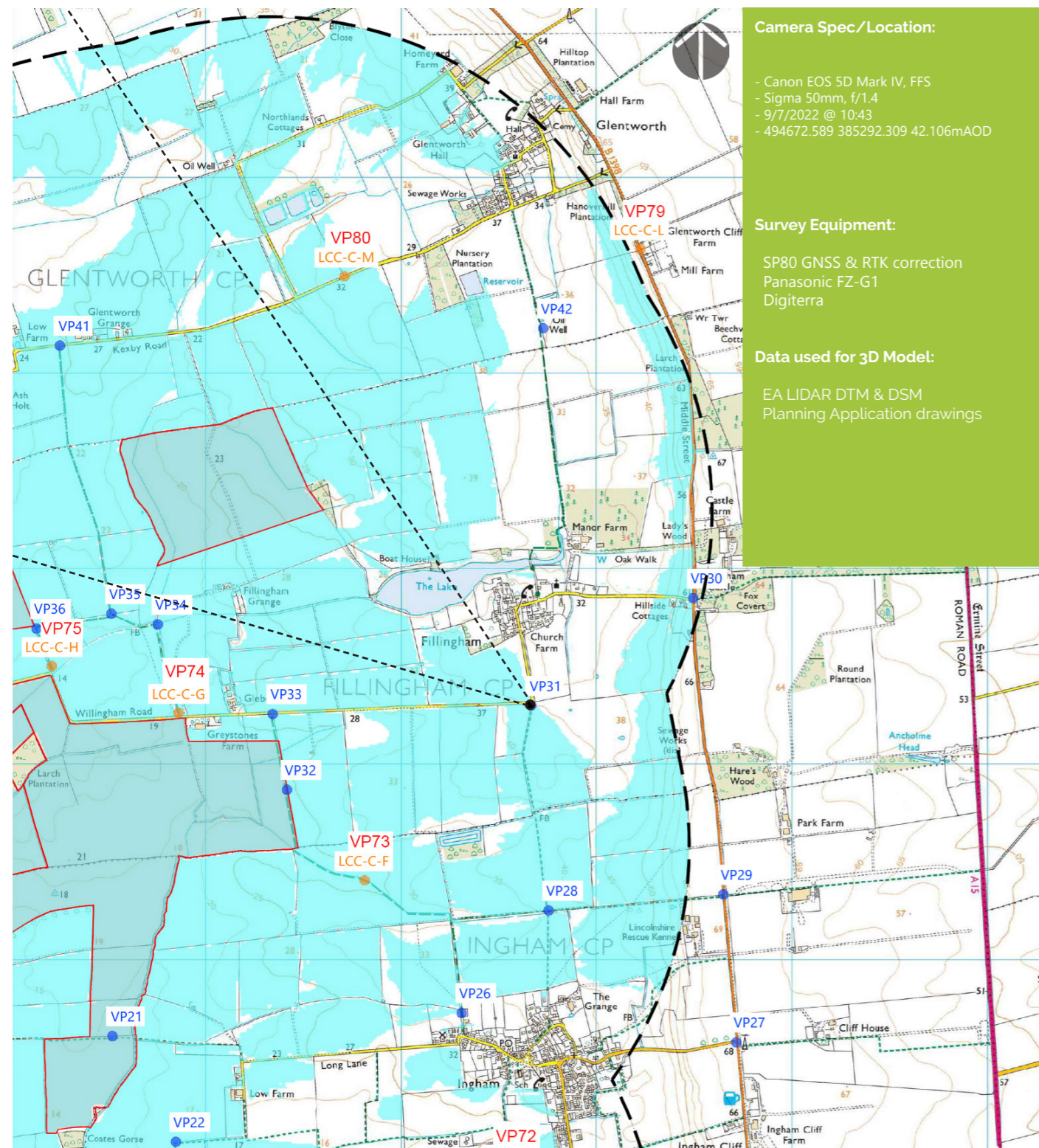
Point of Perspective

Point of Perspective

Viewpoint 31 Single Frame 50mm image (Winter)

Viewpoint 31 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 10:43
- 494672.589 385292.309 42.106m AOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

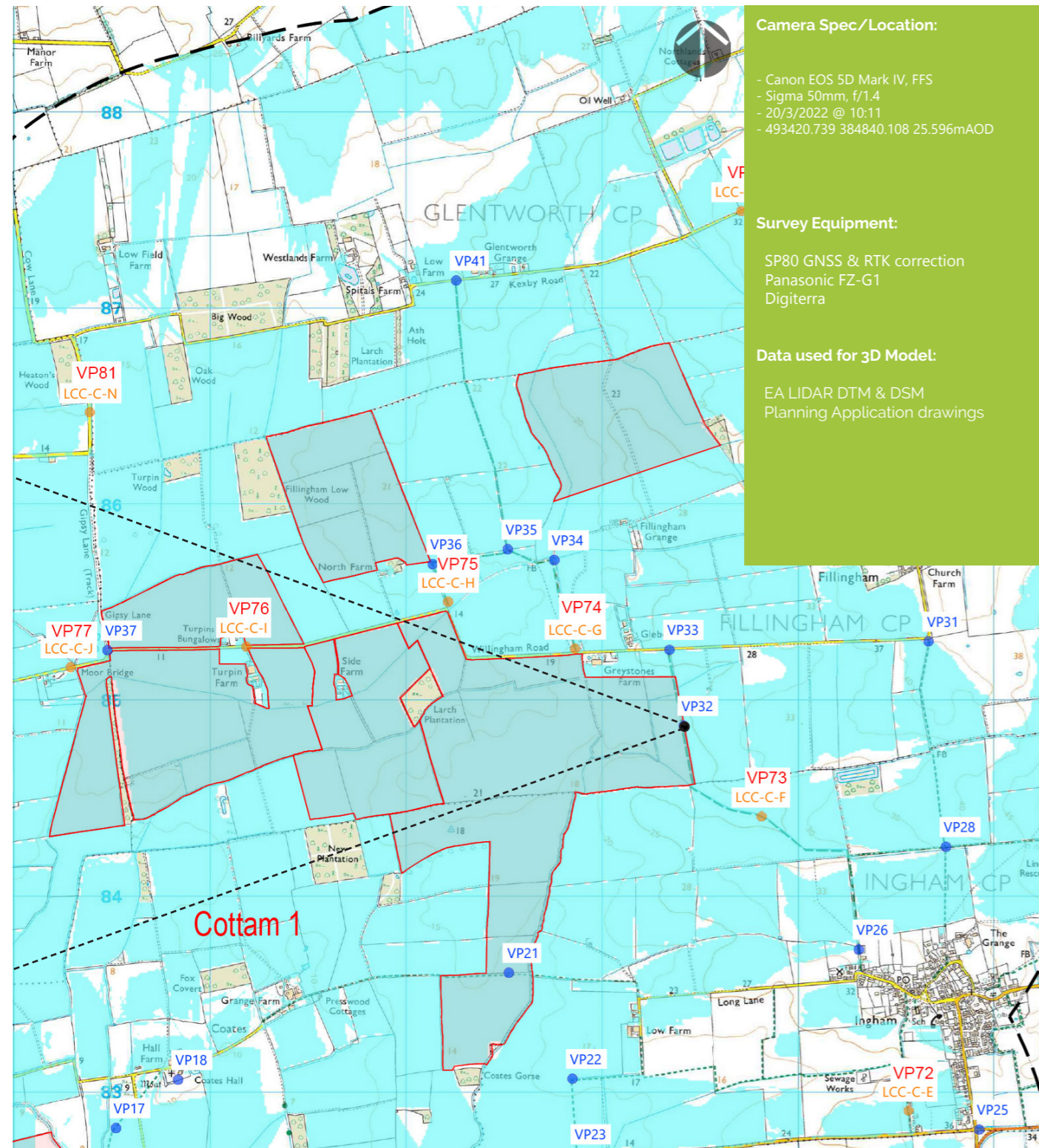
Point of Perspective

Point of Perspective

Viewpoint 31 Single Frame 50mm image (Summer)

Viewpoint 32 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 10:11
- 493420.739 384840.108 25.596mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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Tripod:



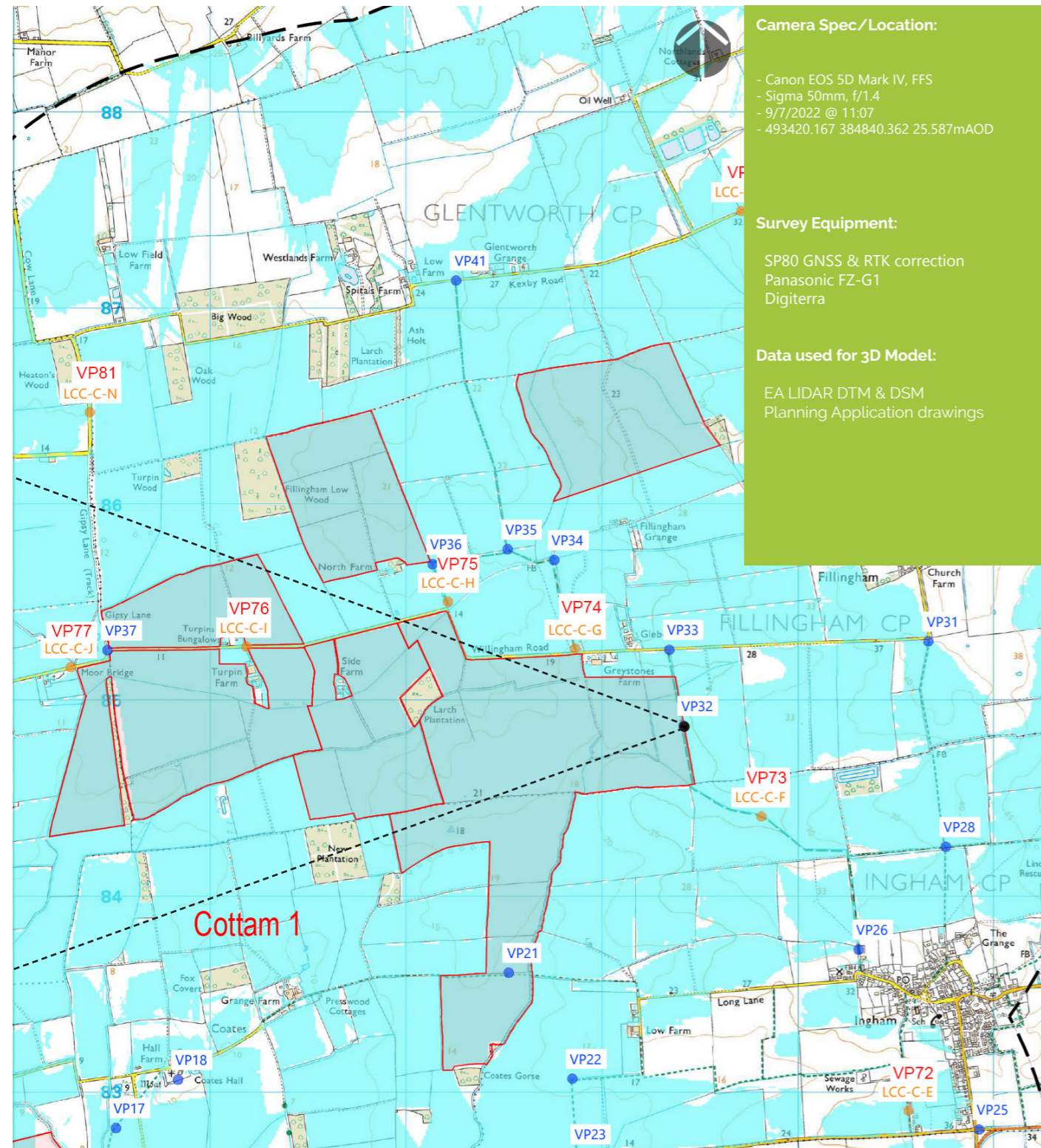
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 32 Single Frame 50mm image (Winter)

Viewpoint 32 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 11:07
- 493420.167 384840.362 25.587mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

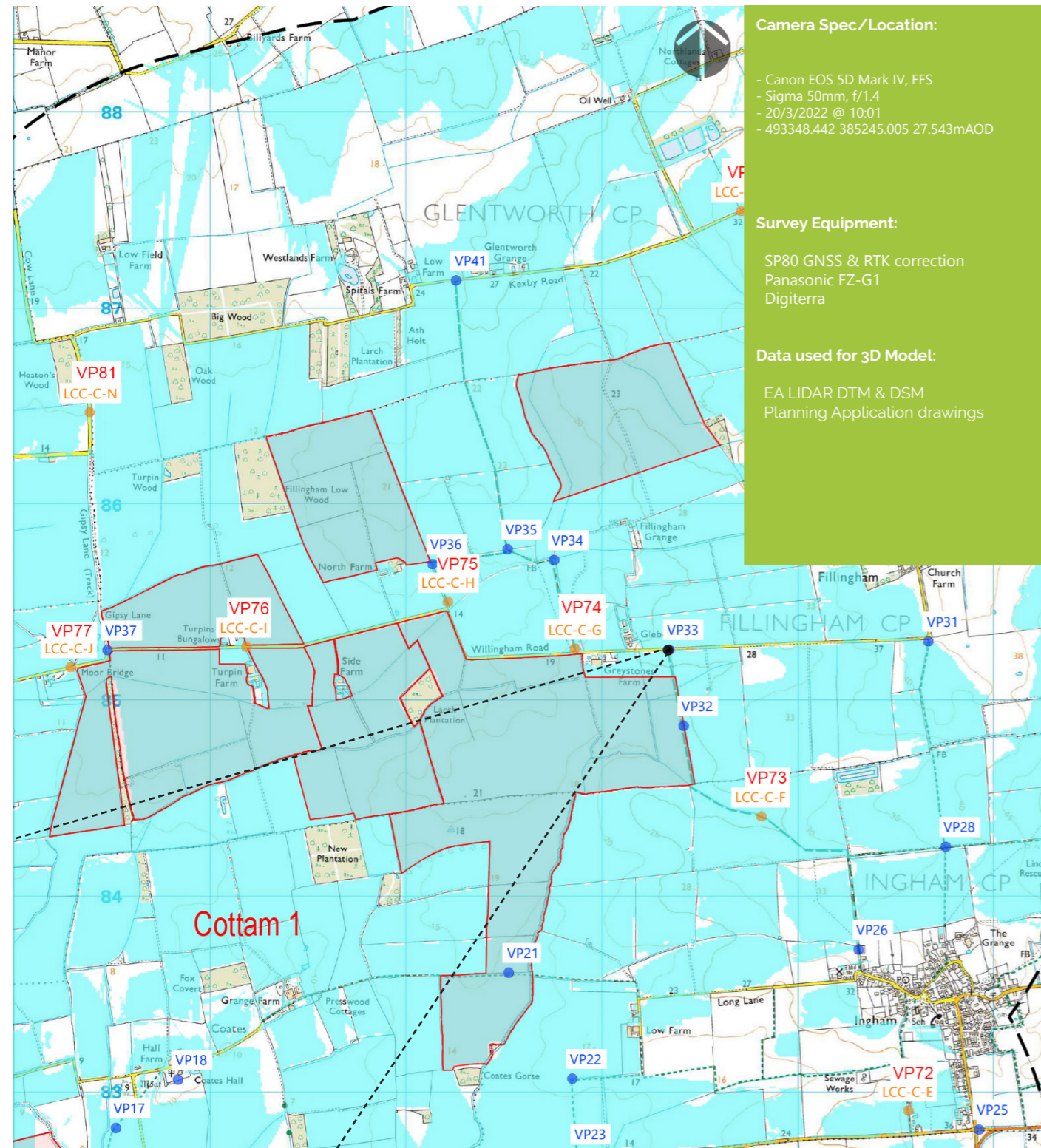
Point of Perspective

Point of Perspective

Viewpoint 32 Single Frame 50mm image (Summer)

Viewpoint 33 (Winter)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

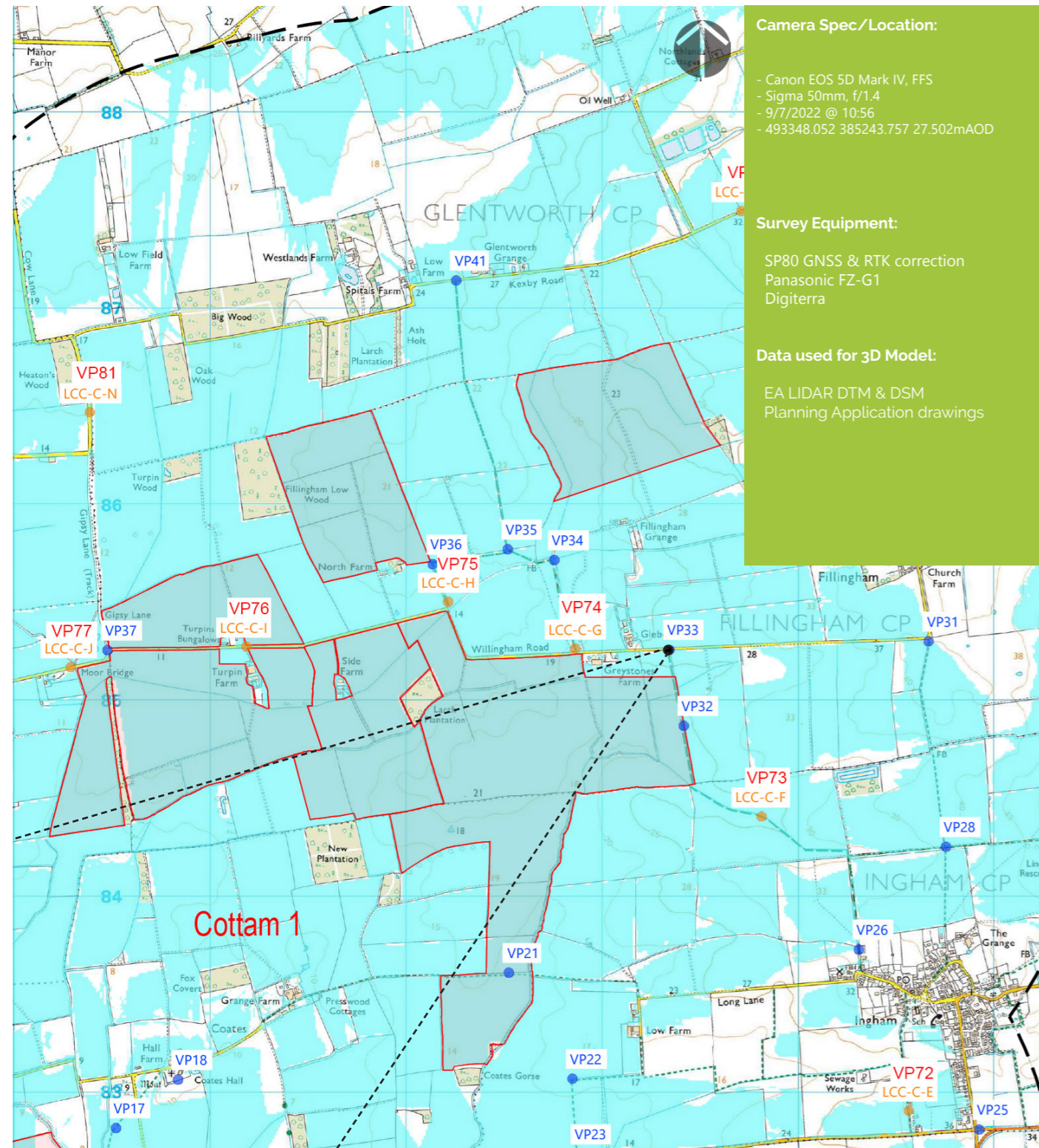
Point of Perspective

Point of Perspective

Viewpoint 33 Single Frame 50mm image (Winter)

Viewpoint 33 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

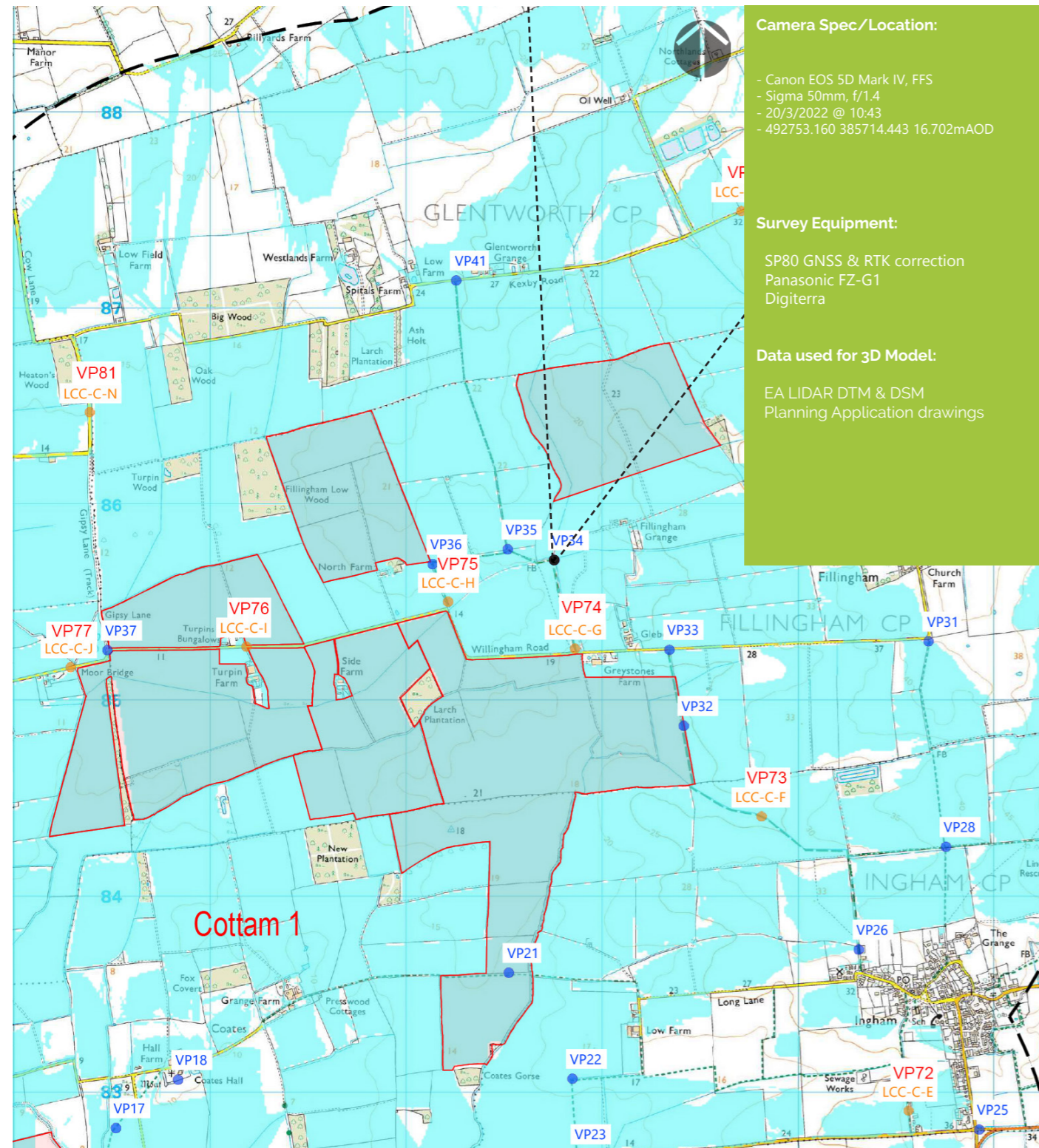
Point of Perspective

Point of Perspective

Viewpoint 33 Single Frame 50mm image (Summer)

Viewpoint 34 (Winter)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

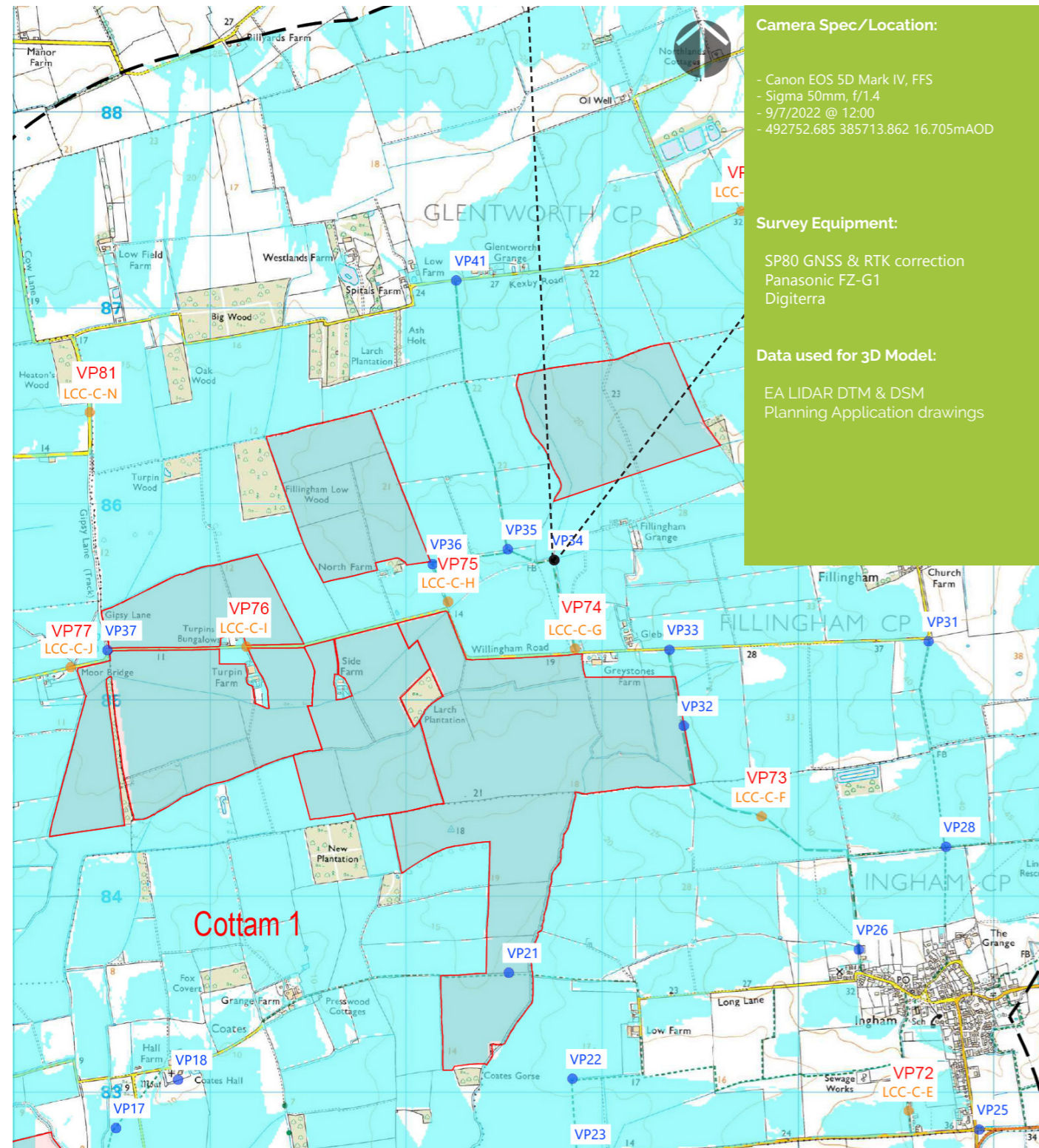
Point of Perspective

Point of Perspective

Viewpoint 34 Single Frame 50mm image (Winter)

Viewpoint 34 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

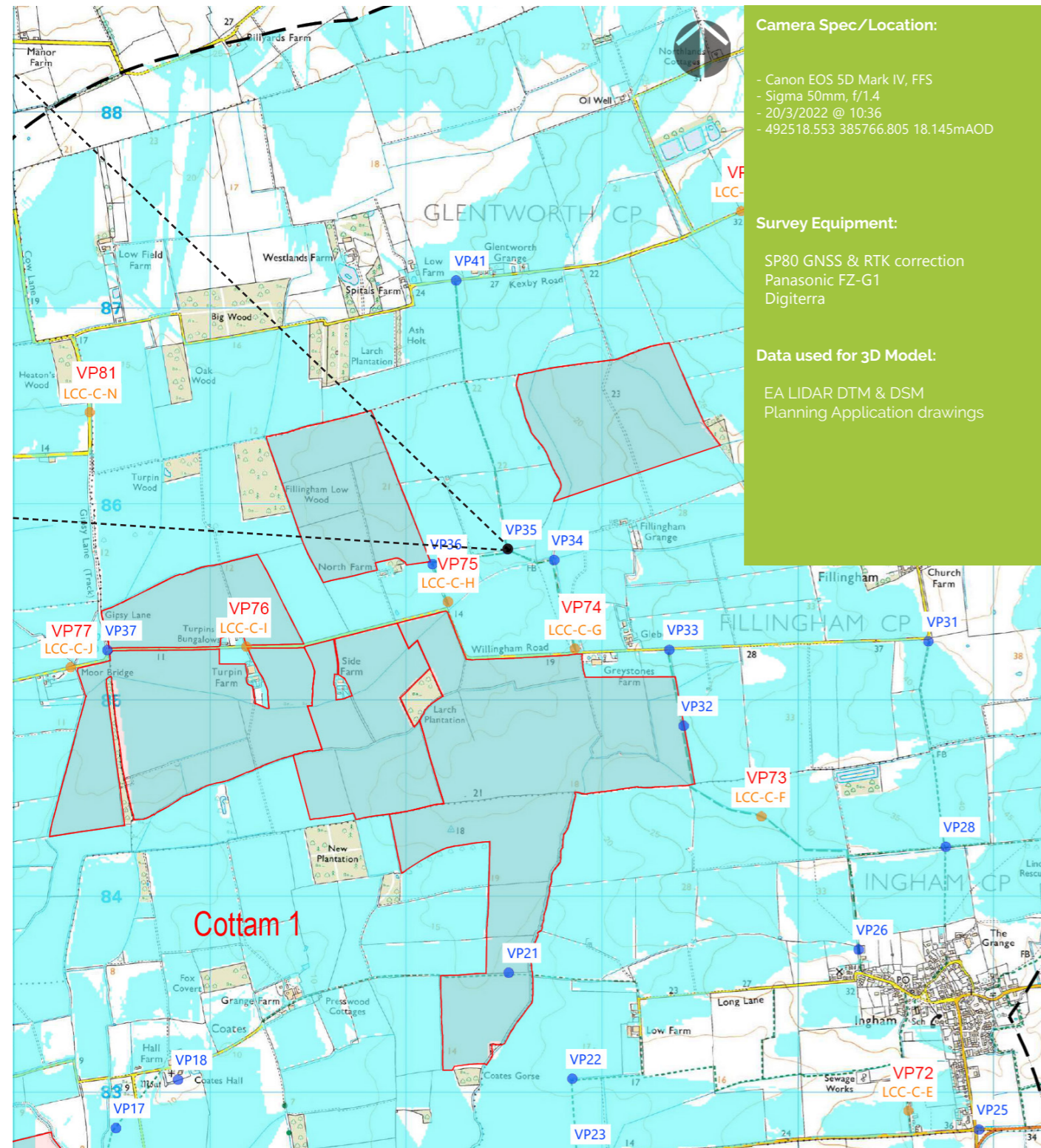
Point of Perspective

Point of Perspective

Viewpoint 34 Single Frame 50mm image (Summer)

Viewpoint 35 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 10:36
- 492518.553 385766.805 18.145mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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- Planning Application drawings

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50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

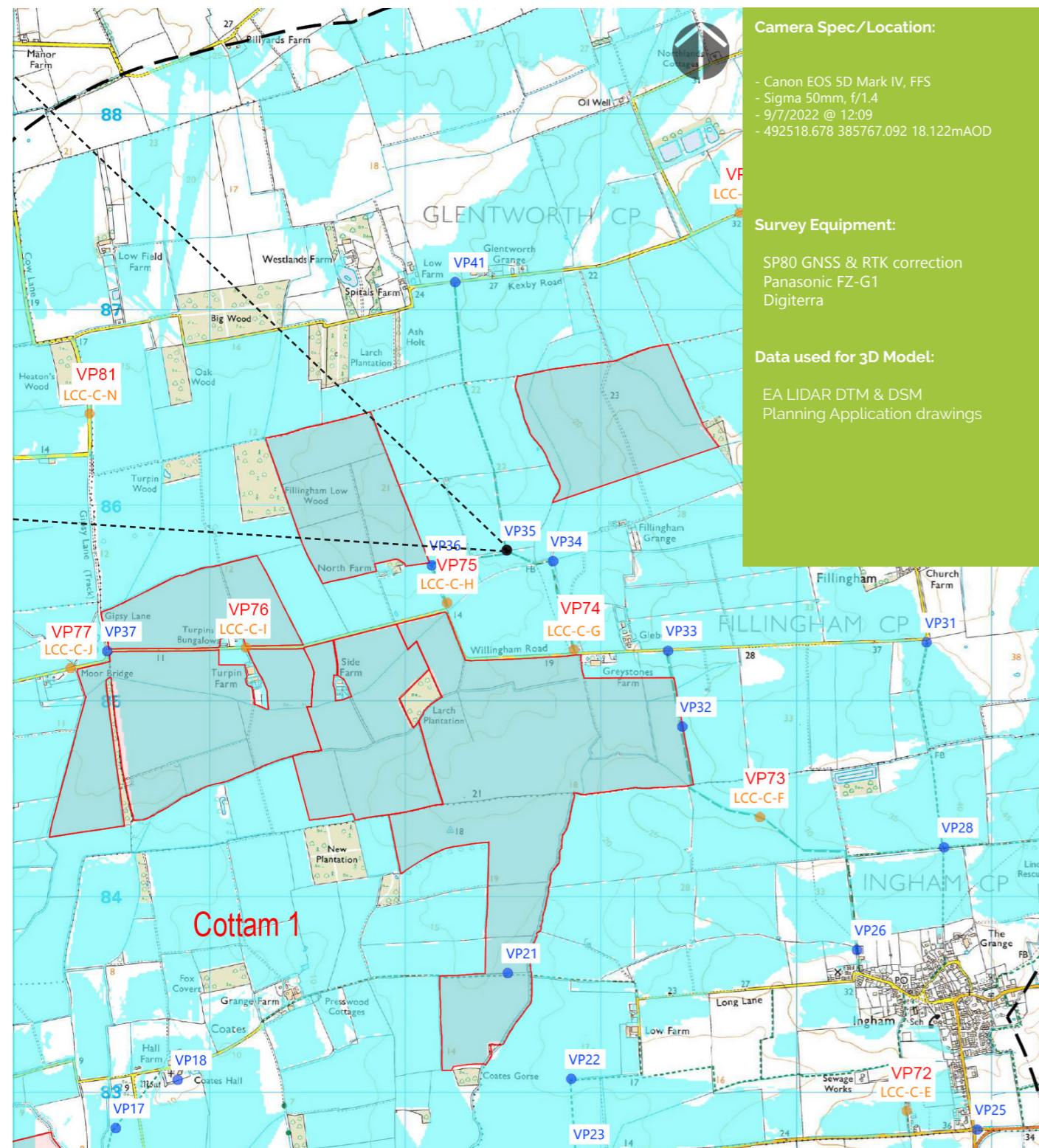
Point of Perspective

Point of Perspective

Viewpoint 35 Single Frame 50mm image (Winter)

Viewpoint 35 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 12:09
- 492518.678 385767.092 18.122mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

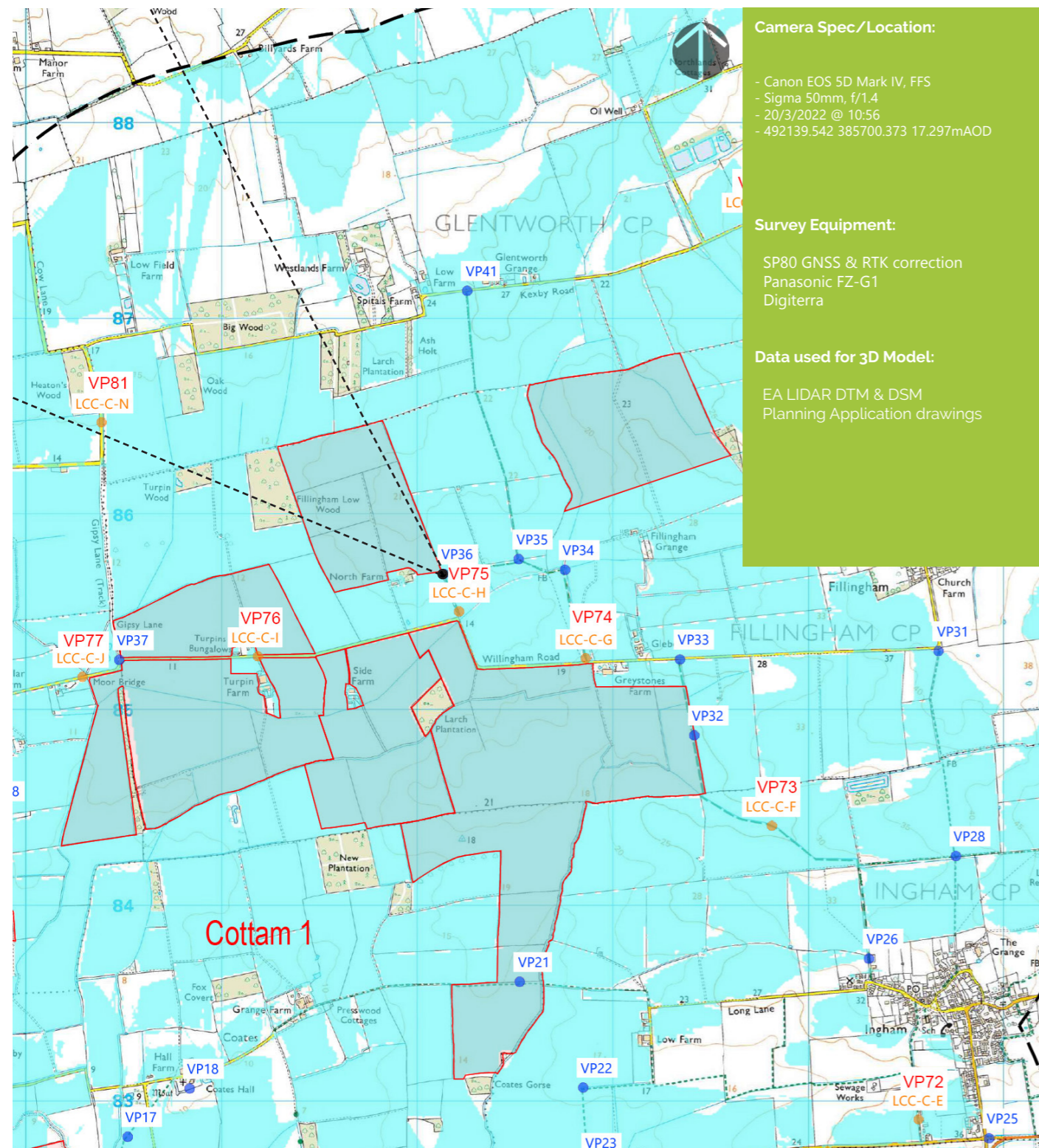
Point of Perspective

Point of Perspective

Viewpoint 35 Single Frame 50mm image (Summer)

Viewpoint 36 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 20/3/2022 @ 10:56
- 492139.542 385700.373 17.297m AOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



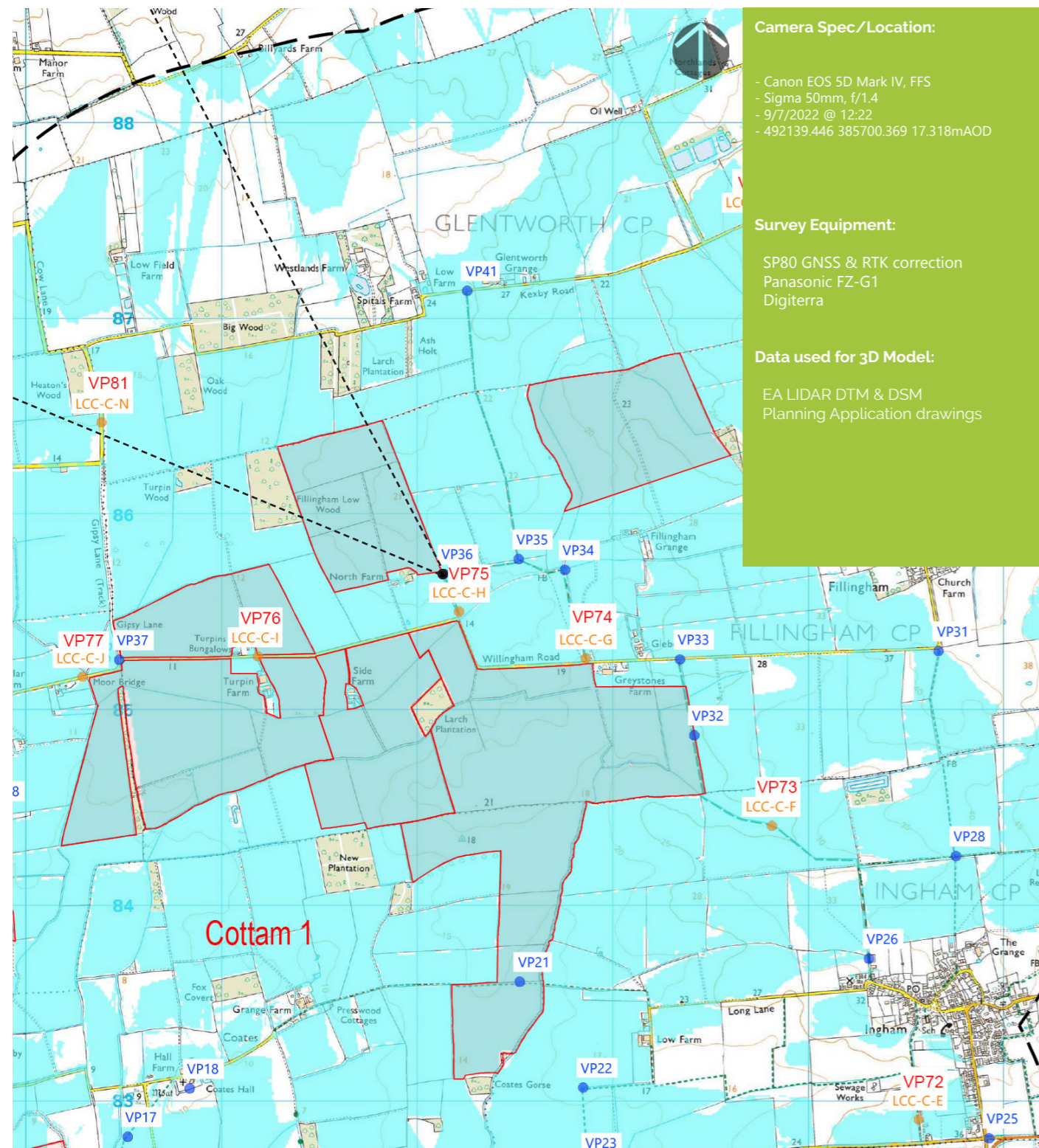
50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Viewpoint 36 Single Frame 50mm image (Winter)

Viewpoint 36 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 12:22
- 492139.446 385700.369 17.318mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

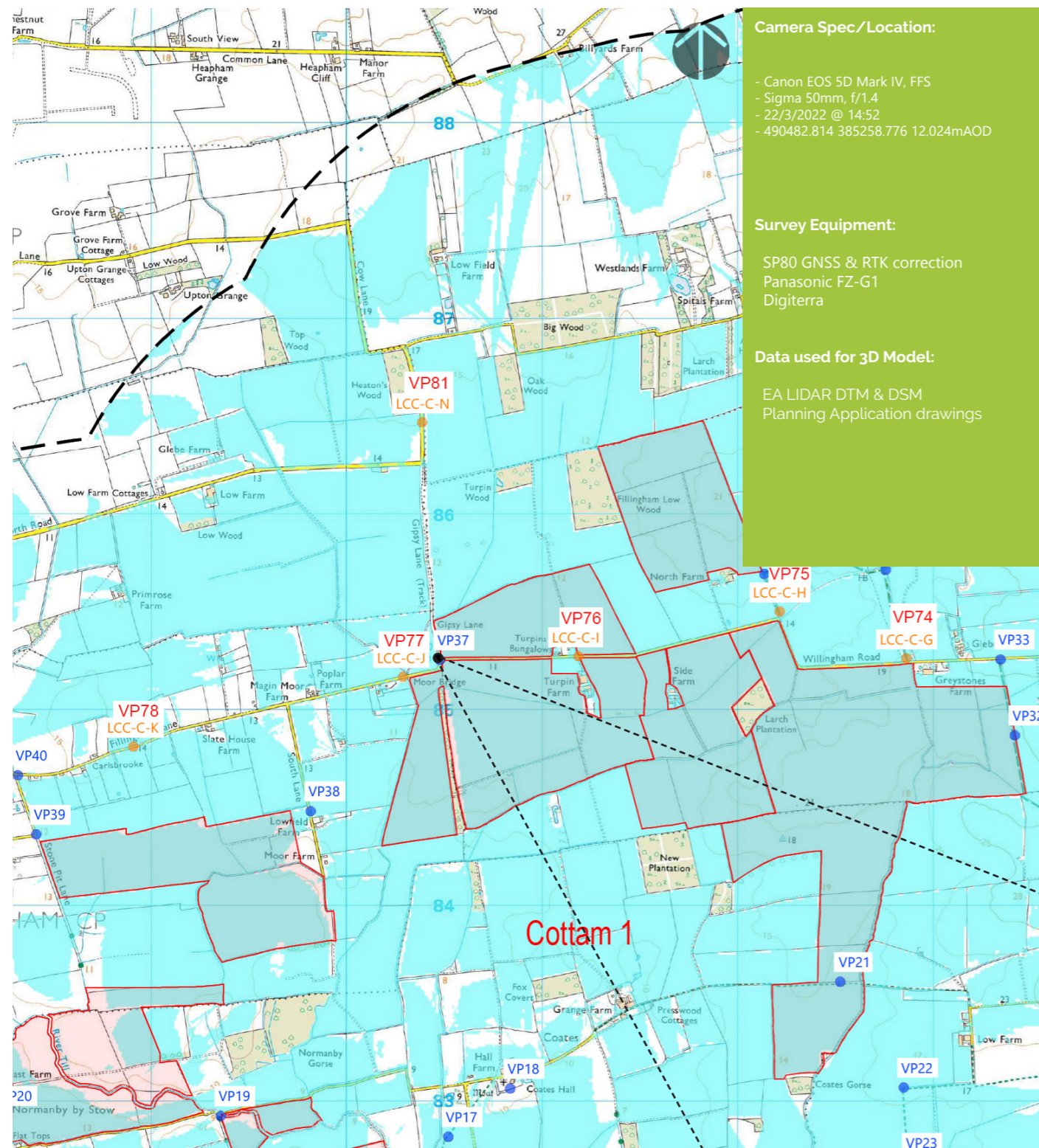
Point of Perspective

Point of Perspective

Viewpoint 36 Single Frame 50mm image (Summer)

Viewpoint 37 (Winter)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)



Point of Perspective

Point of Perspective

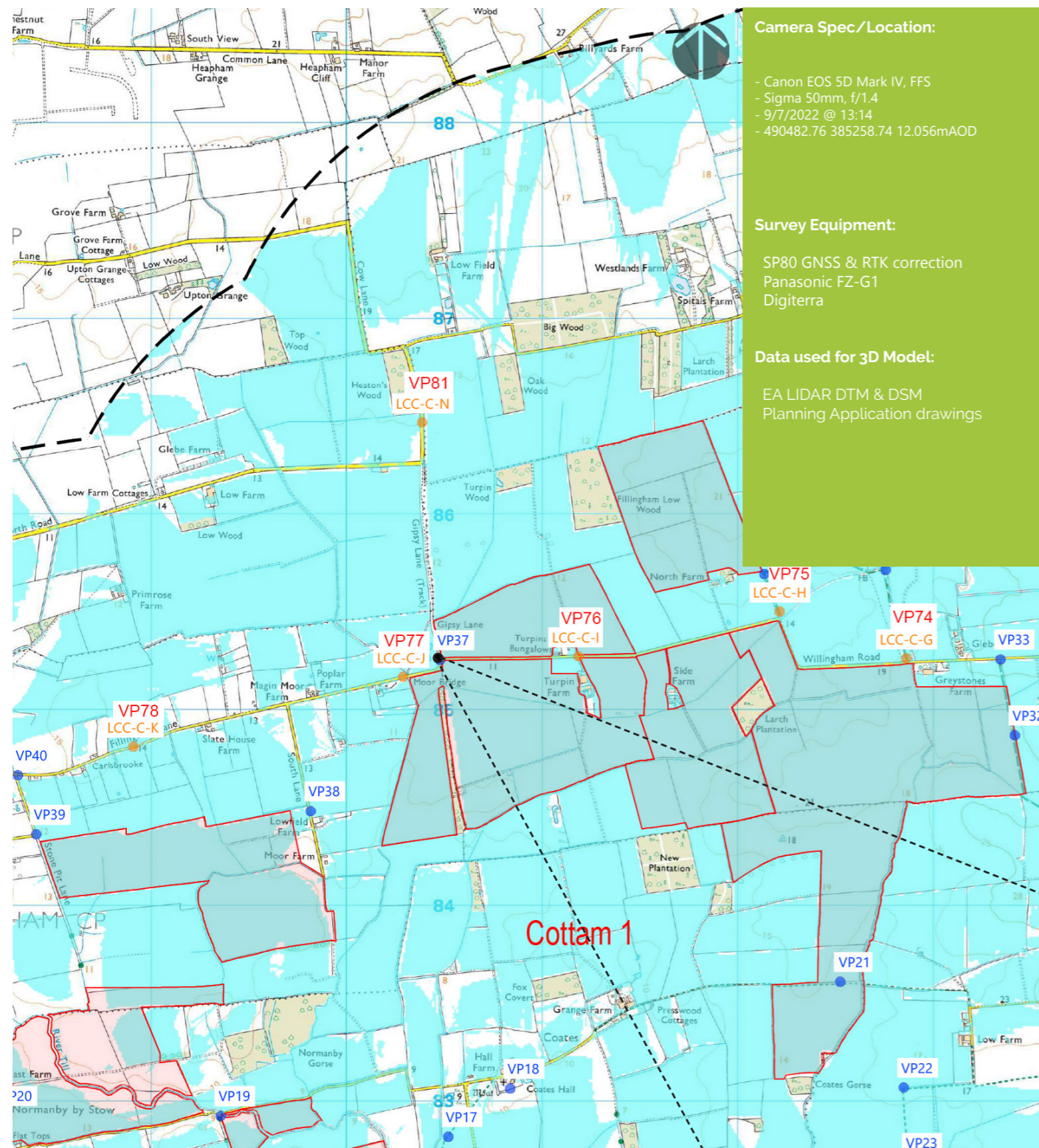
Point of Perspective

Point of Perspective

Viewpoint 37 Single Frame 50mm image (Winter)

Viewpoint 37 (Summer)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 9/7/2022 @ 13:14
- 490482.76 385258.74 12.056mAOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

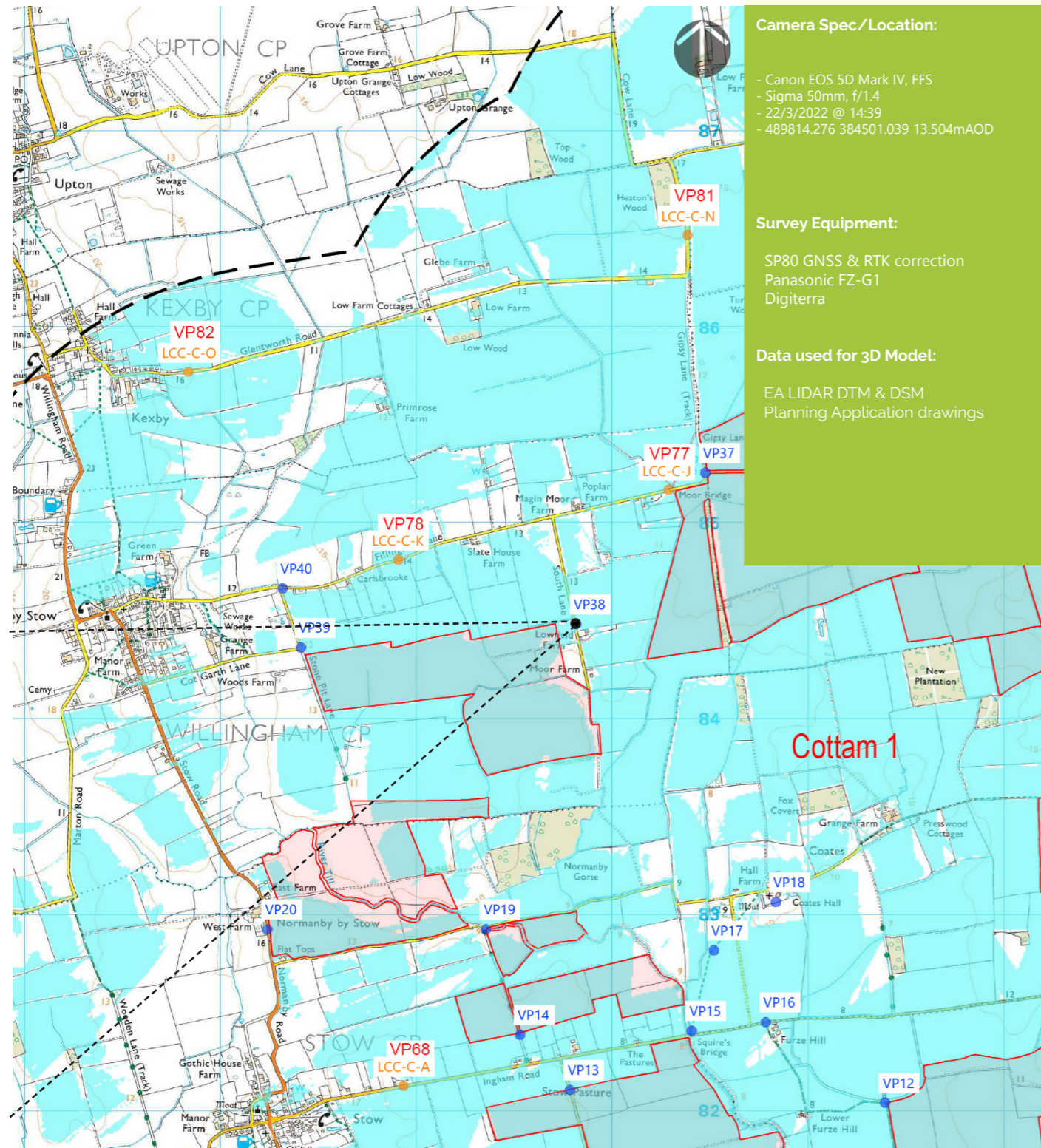
Point of Perspective

Point of Perspective

Viewpoint 37 Single Frame 50mm image (Summer)

Viewpoint 38 (Winter)

Camera Location:



Camera Spec/Location:

- Canon EOS 5D Mark IV, FFS
- Sigma 50mm, f/1.4
- 22/3/2022 @ 14:39
- 489814.276 384501.039 13.504m AOD

Survey Equipment:

- SP80 GNSS & RTK correction
- Panasonic FZ-G1
- Digiterra

Data used for 3D Model:

- EA LIDAR DTM & DSM
- Planning Application drawings

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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

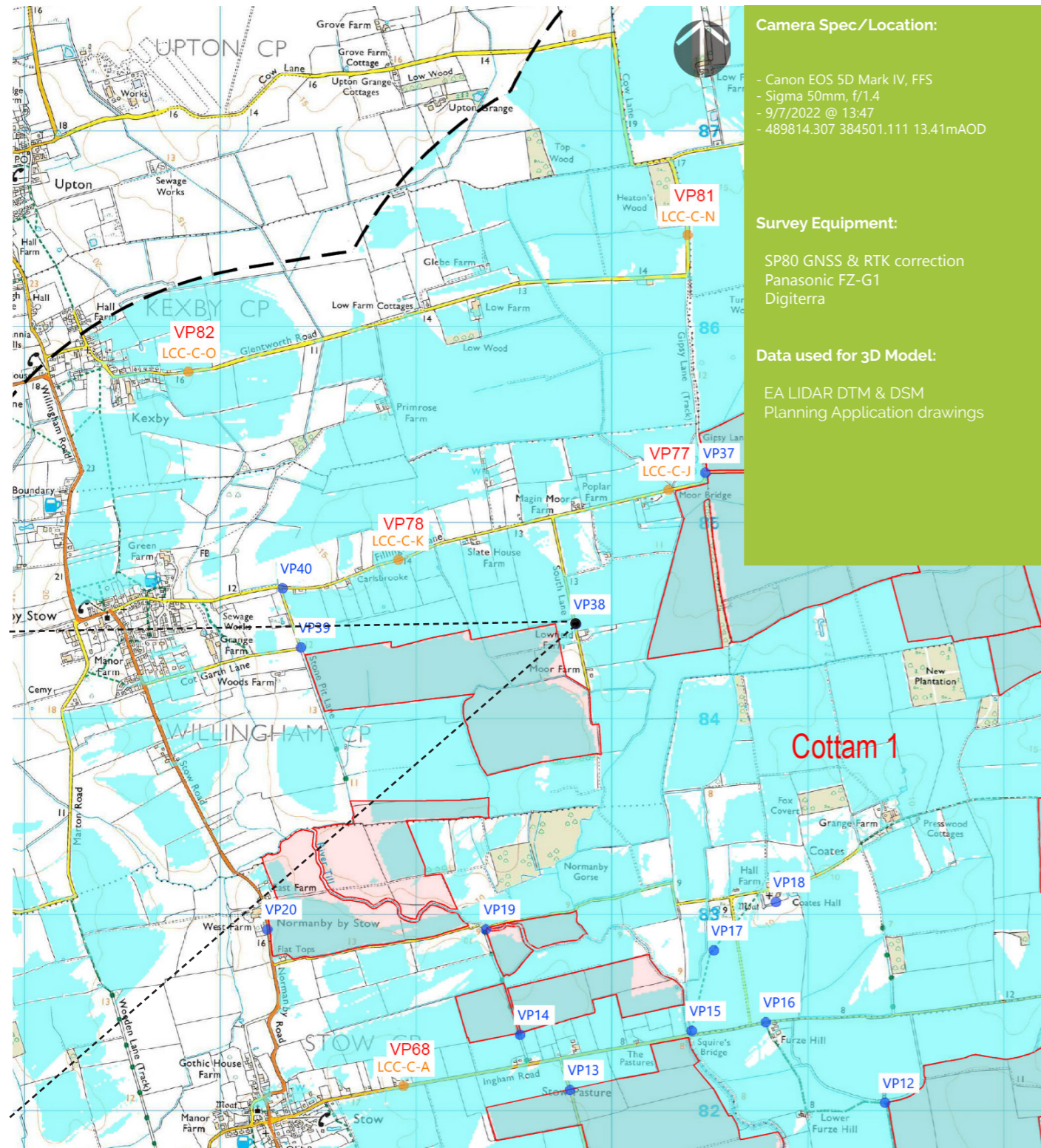
Point of Perspective

Point of Perspective

Viewpoint 38 Single Frame 50mm image (Winter)

Viewpoint 38 (Summer)

Camera Location:



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Tripod:



50mm Lens Planar Projection (actual 49.7mm; 39.9 deg HFOV)

Point of Perspective



Point of Perspective

Point of Perspective

Point of Perspective

Viewpoint 38 Single Frame 50mm image (Summer)