

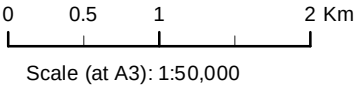


**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Study Area**

Key

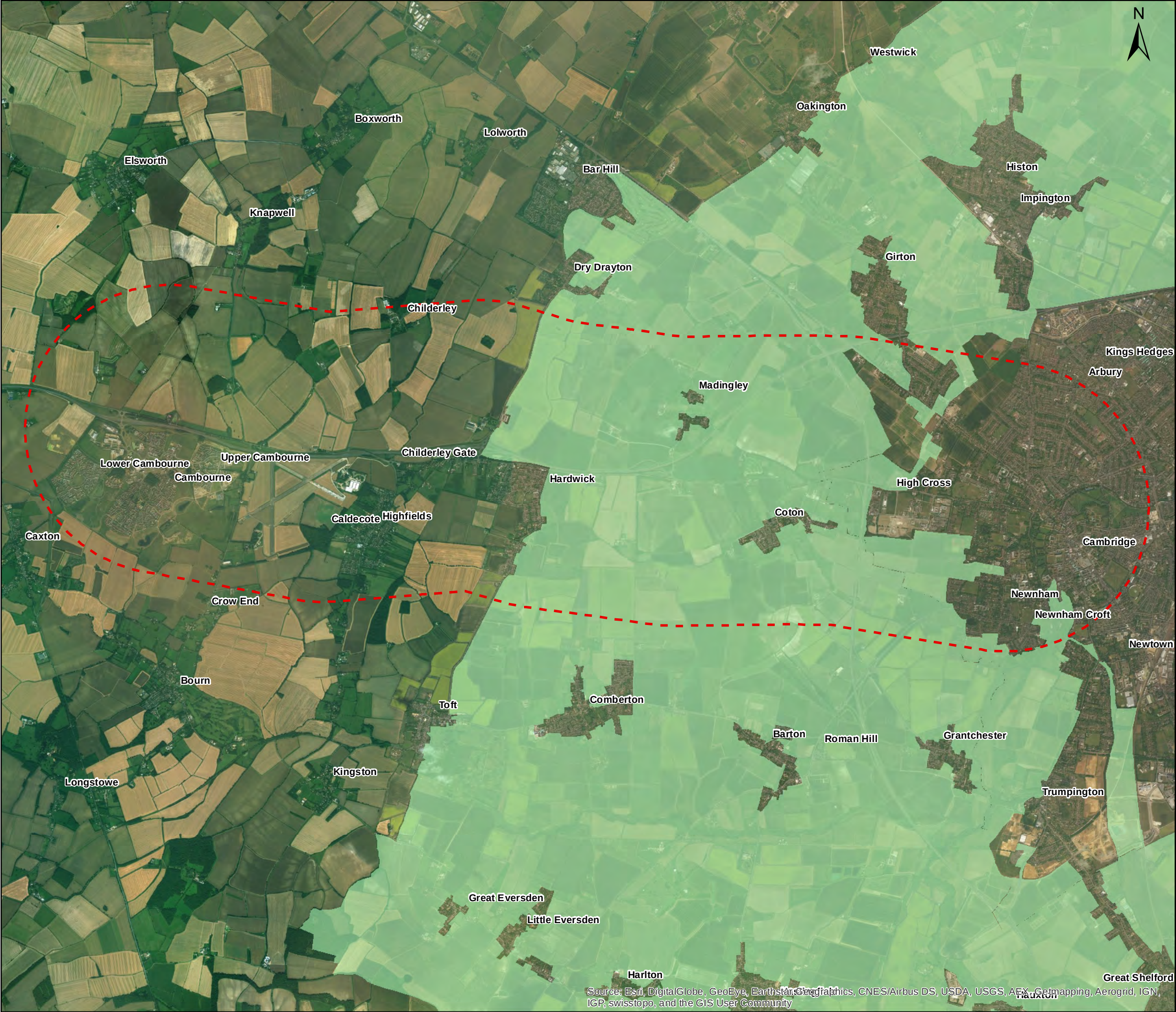
 Study Area



ATKINS

Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00001	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, ICP, swisstopo, and the GIS User Community



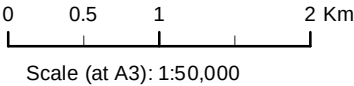
**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Green Belt**

Key

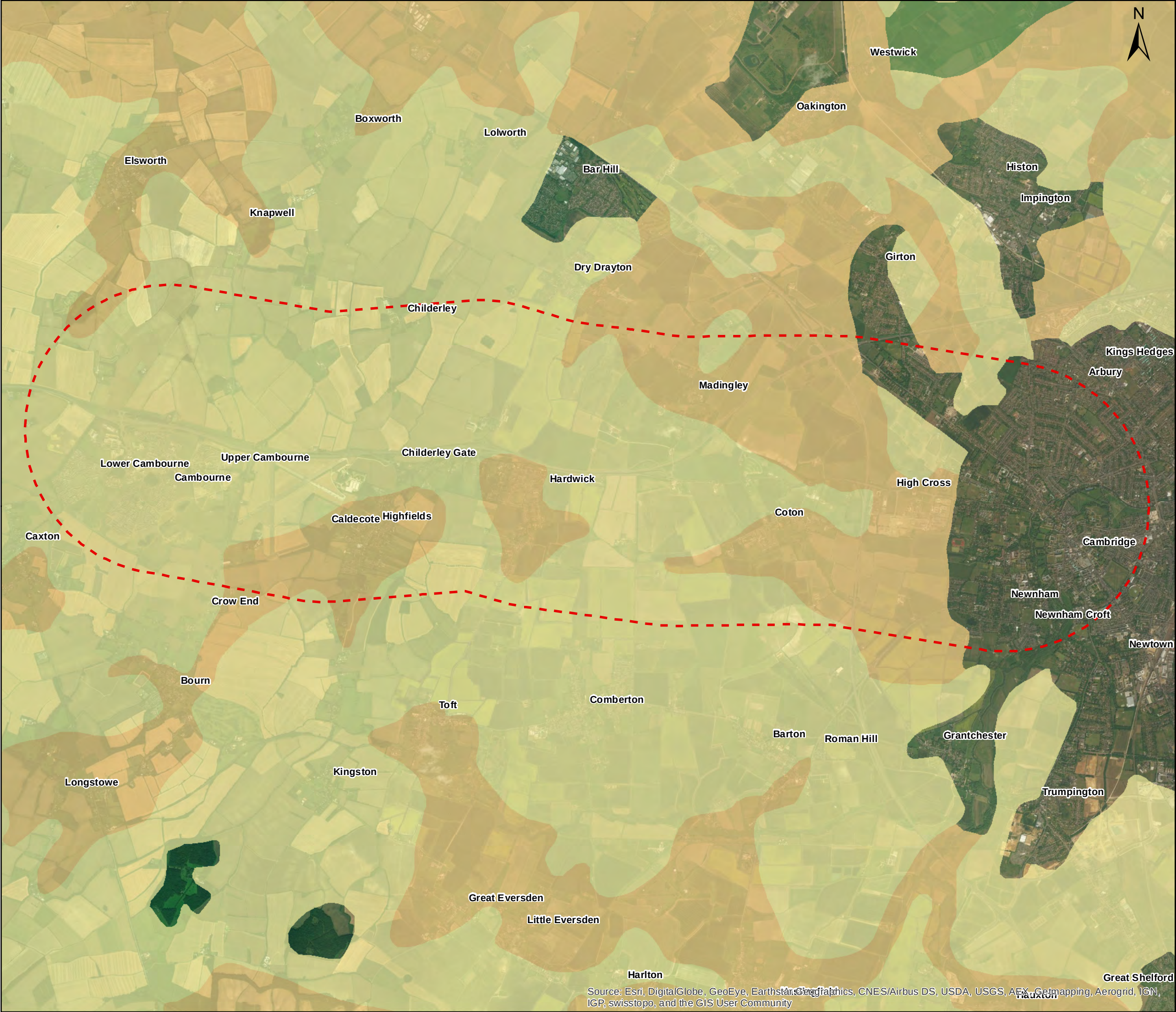
-  Study Area
-  Green Belt

Contains OS data © Crown copyright and
database right (2016)



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00002	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



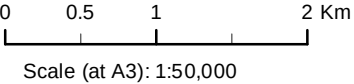
**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Agricultural Land Classification**

Key

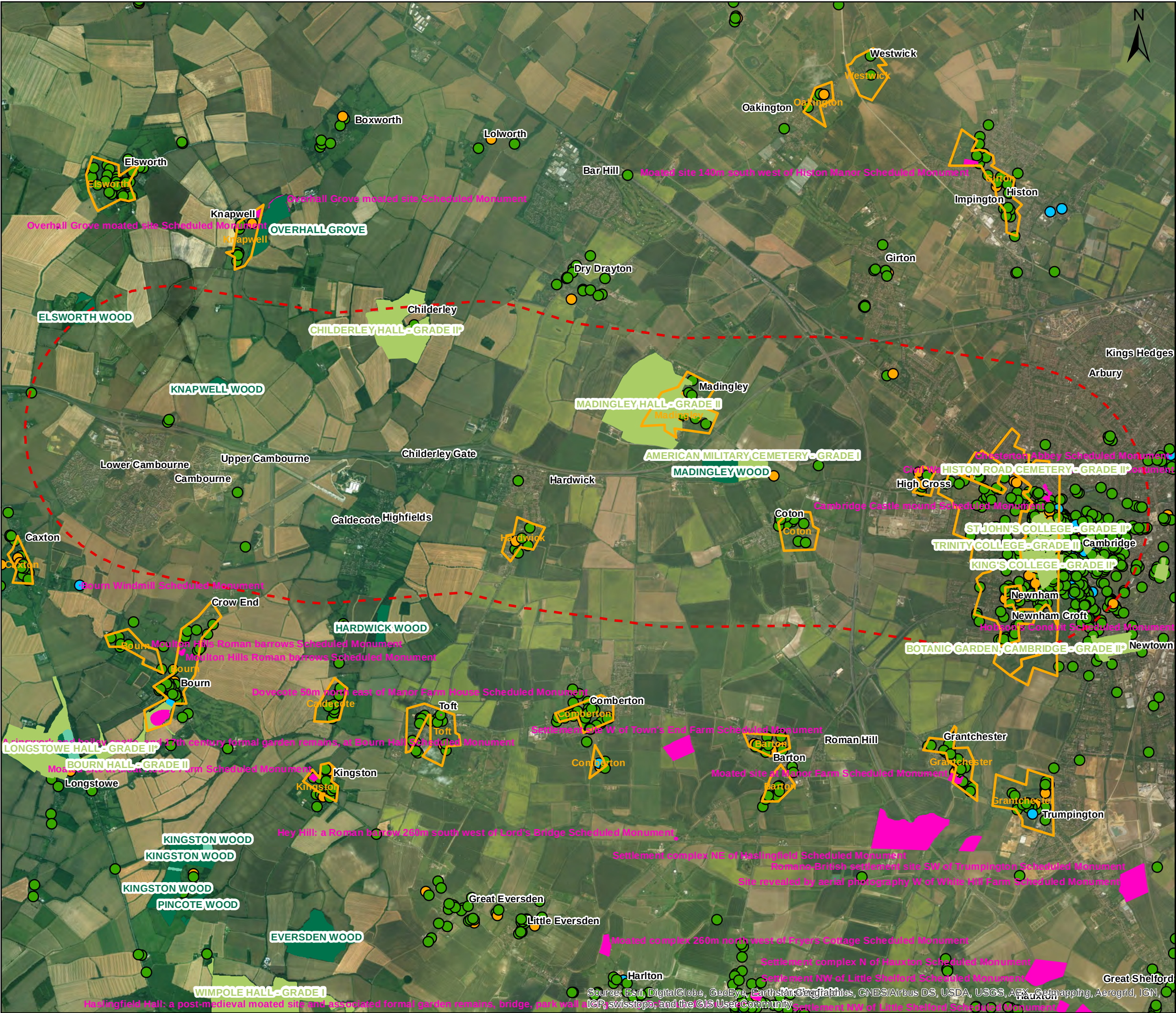
- Study Area
- Grade 1 - Excellent
- Grade 2 - Very Good
- Grade 3 - Good to Moderate

© Natural England copyright
Contains OS data © Crown copyright and
database right (2016)



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00003	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



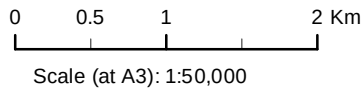
A428 Cambourne to Cambridge Better Bus Journeys

Landscape & Planning Appraisal Heritage Context

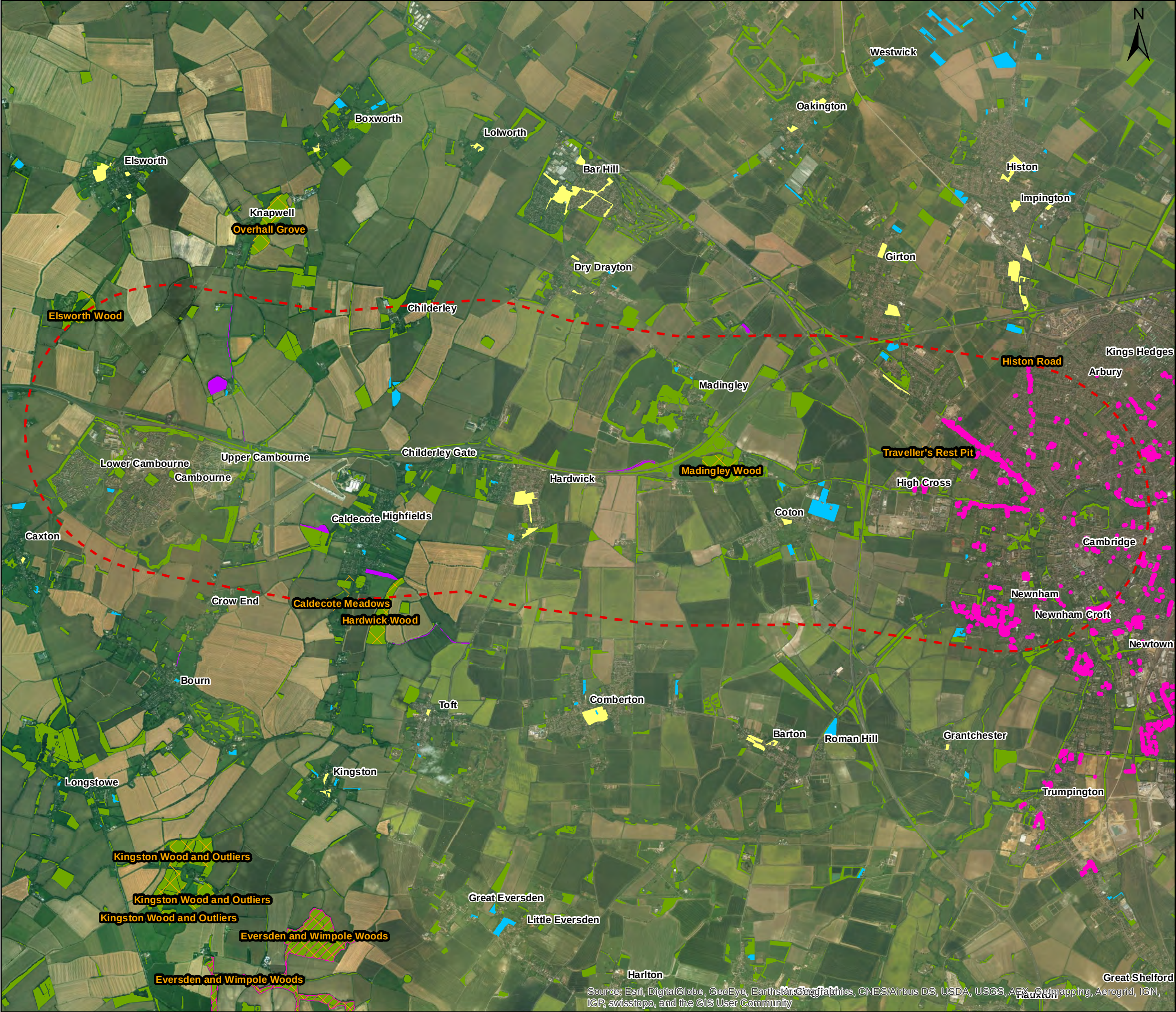
Key

- Study Area
- Conservation Area (Interpreted)
- Ancient and Semi-Natural Woodland
- Planted Ancient Woodland Site
- Scheduled Monument
- Registered Park & Garden
- Grade I Listed Building
- Grade II* Listed Building
- Grade II Listed Building

© Natural England copyright
© Historic England 2016
Contains OS data © Crown copyright and
database right (2016)



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00004	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016



**A428 Cambourne to Cambridge
Better Bus Journeys**

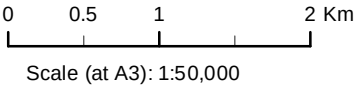
**Landscape & Planning Appraisal
Landscape / Ecological Context**

Key

- Study Area
- Tree Preservation Order
- Special Area of Conservation
- Site of Specific Scientific Interest
- County Wildlife Site
- Traditional Orchard
- County Protected Open Space
- Woodland

(South Cambridge Tree Preservation Orders to be added)

© Natural England copyright
Contains OS data © Crown copyright and
database right (2016)



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00005	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, ICP, swisstopo, and the GIS User Community



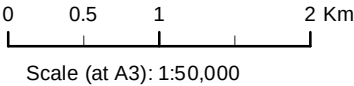
**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Topography and Drainage**

Key

- Study Area
- 10m Contours
- Watercourse
- Waterbody
- Flood Zone 3 (1:100 chance)
- Flood Zone 2 (1:1,000 chance)
- High : 82.6m AOD
Low : -10.7m AOD

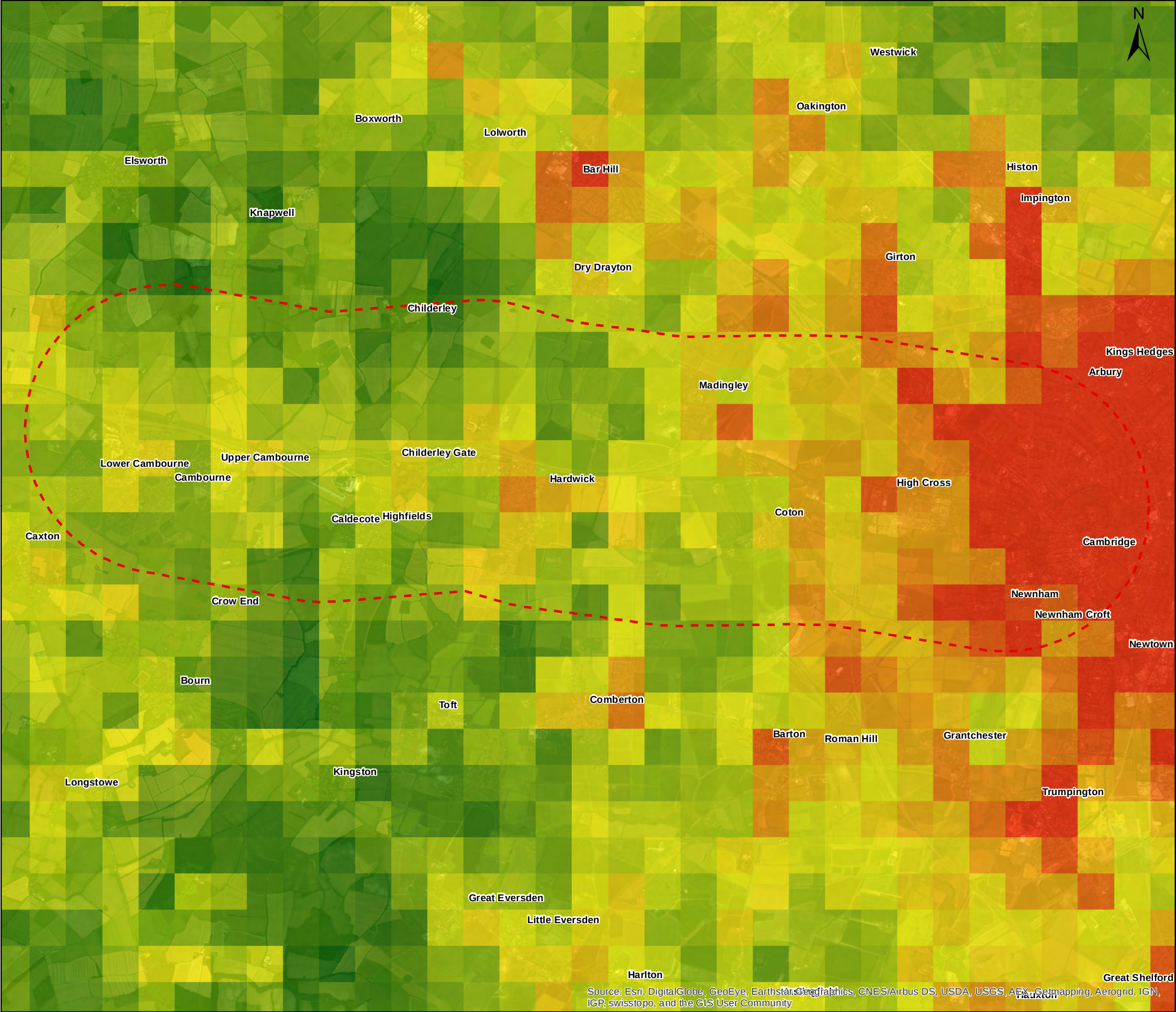
Contains OS data © Crown copyright and
database right (2016)



ATKINS

Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00006	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

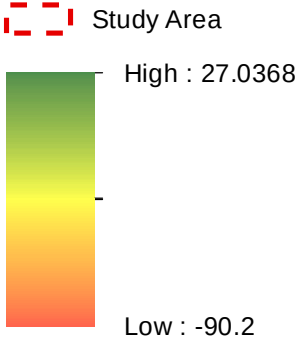
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, Aero, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



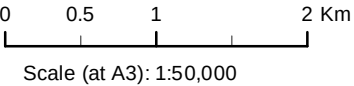
**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Tranquillity**

Key

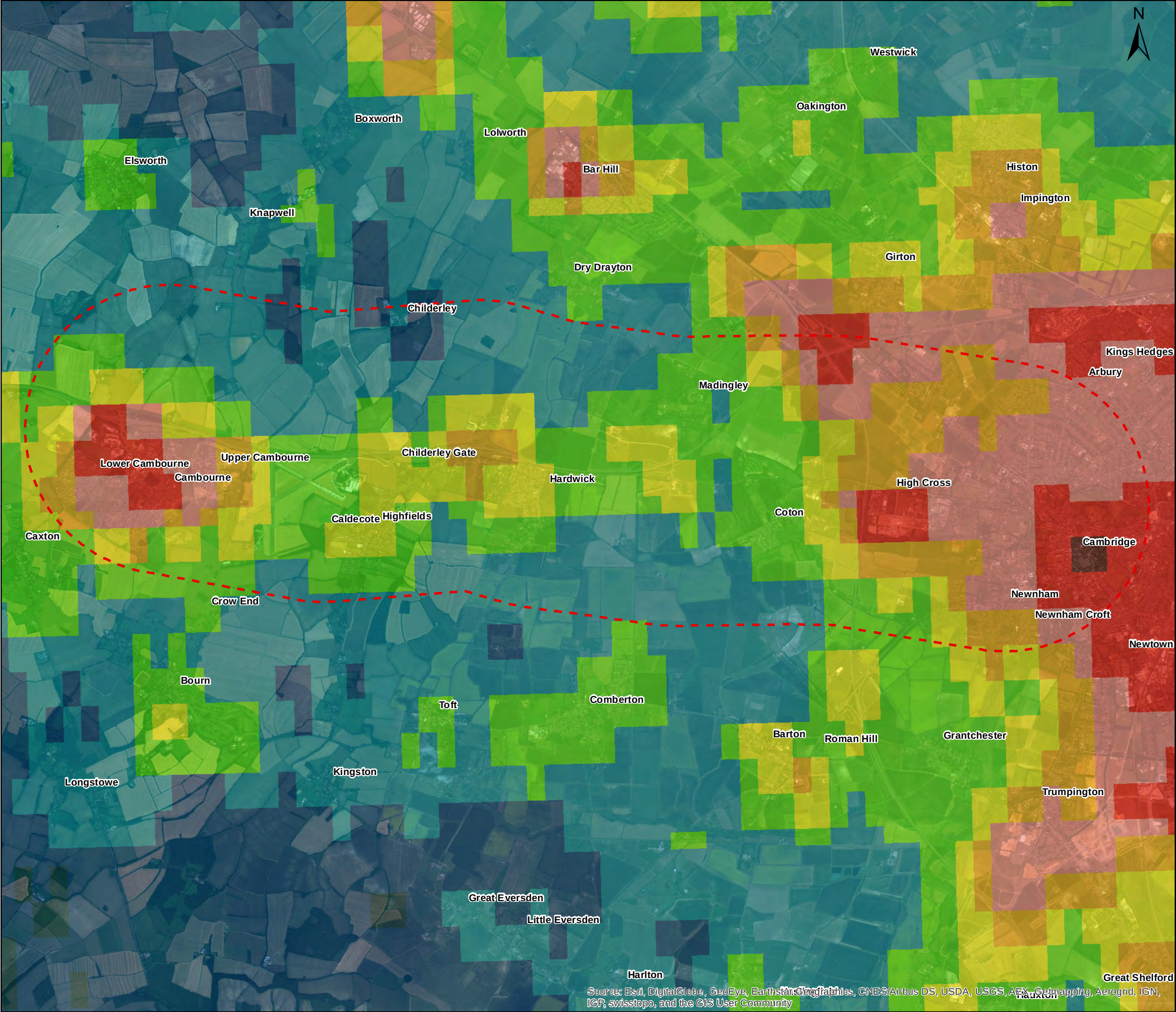


Contains OS data © Crown copyright and database right (2016)
National Tranquillity Mapping Data 2007 developed for the Campaign to Protect Rural England and Natural England by Northumbria University.
OS Licence number 100018881.



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00007	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



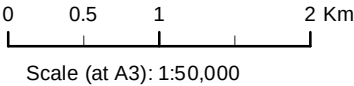
**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Night Lights**

Key

- Study Area
- >32 NanoWatts/cm2/sr (high)
- 16 - 32
- 8 - 16
- 4 - 8
- 2 - 4
- 1 - 2
- 0.5 - 1
- 0.25 - 0.5
- < 0.25 (low)

Contains OS data © Crown copyright and database right (2016)
Earth Observation Group, NOAA National Geophysical Data Center. Data processed by LUC on behalf of CPRE.



ATKINS

Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00008	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, ICP, swisstopo, and the GIS User Community



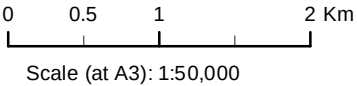
A428 Cambourne to Cambridge Better Bus Journeys

Landscape & Planning Appraisal Accessibility and Photography

Key

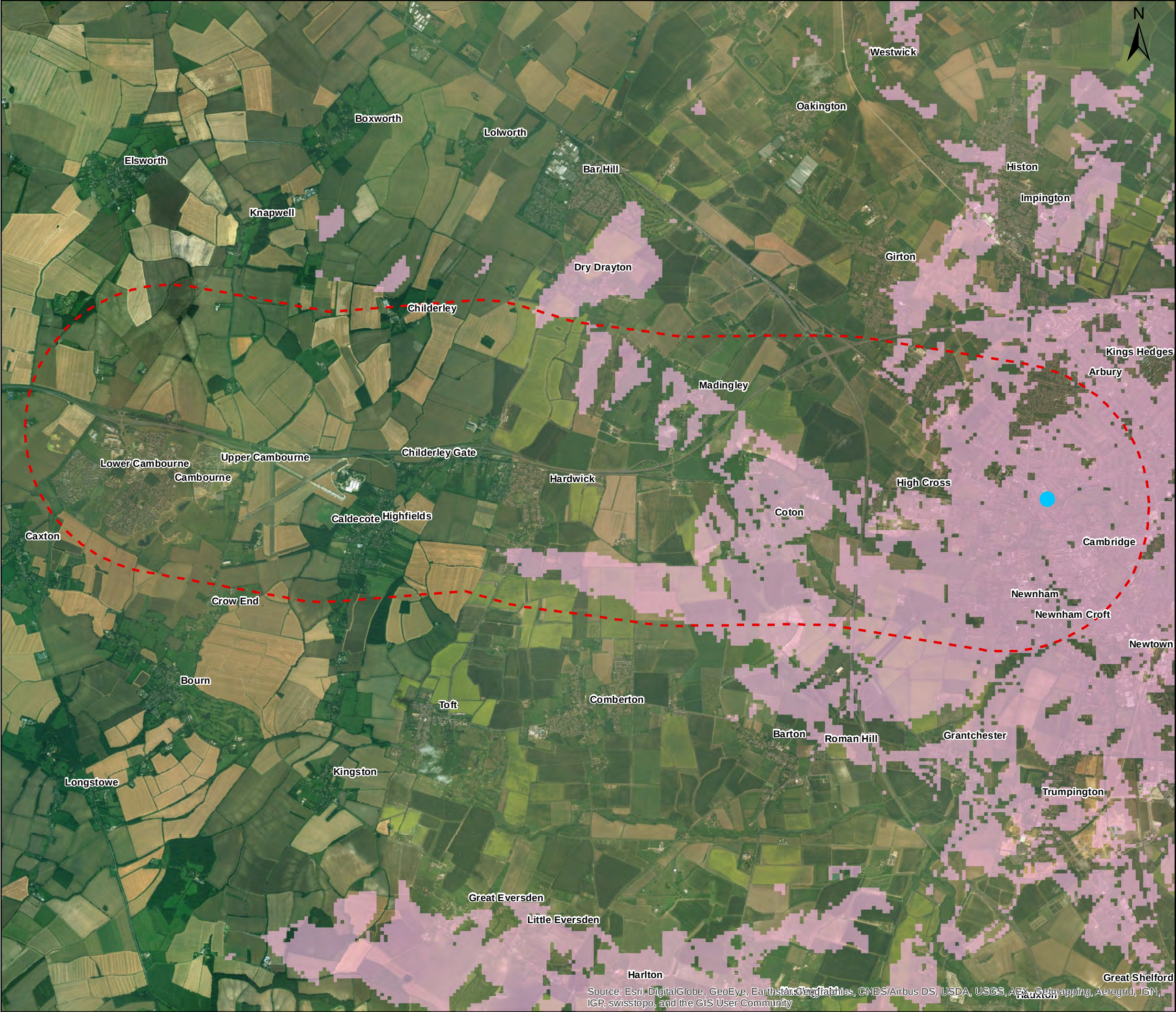
- Study Area
- Photograph Locations
- Sustrans National Cycle Route (NCR)
- Sustrans National Cycle Network Link
- Sustrans Regional Route
- Public Bridleway
- Public Byway
- Public Footpath
- Restricted Byway
- Country Park
- Local Nature Reserve (LNR)
- Common Land

© Natural England copyright
Contains OS data © Crown copyright and
database right (2016)
National Cycle Route data supplied by Sustrans
and contains Ordnance Survey data © Crown
copyright and database right (2015).



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00009	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, GeoMapping, Aerogrid, IGN, HCR, swisstopo, and the GIS User Community



**A428 Cambourne to Cambridge
Better Bus Journeys**

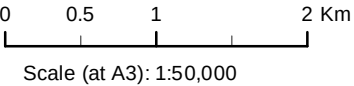
**Landscape & Planning Appraisal
Strategic Viewpoint 1 Visibility**

Key

- Study Area
- Strategic Viewpoint 1
- Land visible from viewpoint

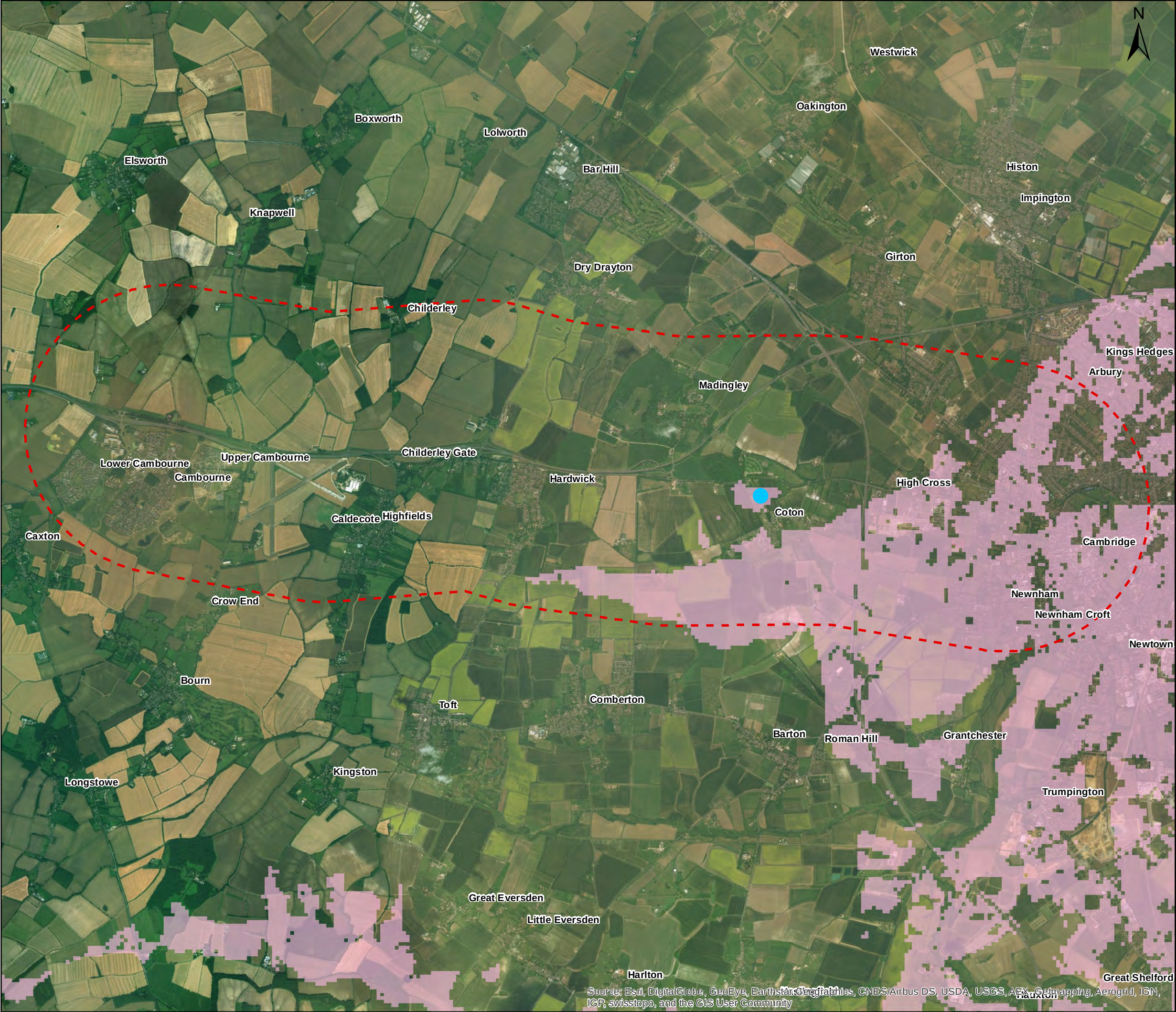
Note:
Visibility shown includes land that could be viewed from eye level (1.6m) using OS Terrain 50 data and does not account for the effect of visual barriers such as vegetation or buildings. The area of visibility is therefore indicative of the maximum potential view.

Contains OS data © Crown copyright and database right (2016)



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00010	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community



**A428 Cambourne to Cambridge
Better Bus Journeys**

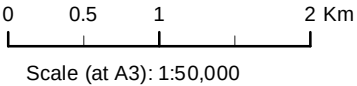
**Landscape & Planning Appraisal
Strategic Viewpoint 2 Visibility**

Key

- Study Area
- Strategic Viewpoint 2
- Land visible from viewpoint

Note:
Visibility shown includes land that could be viewed from eye level (1.6m) using OS Terrain 50 data and does not account for the effect of visual barriers such as vegetation or buildings. The area of visibility is therefore indicative of the maximum potential view.

Contains OS data © Crown copyright and database right (2016)



ATKINS

Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00011	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016



**A428 Cambourne to Cambridge
Better Bus Journeys**

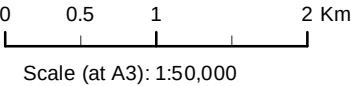
**Landscape & Planning Appraisal
Strategic Viewpoint 3 Visibility**

Key

- Study Area
- Strategic Viewpoint 3
- Land visible from viewpoint

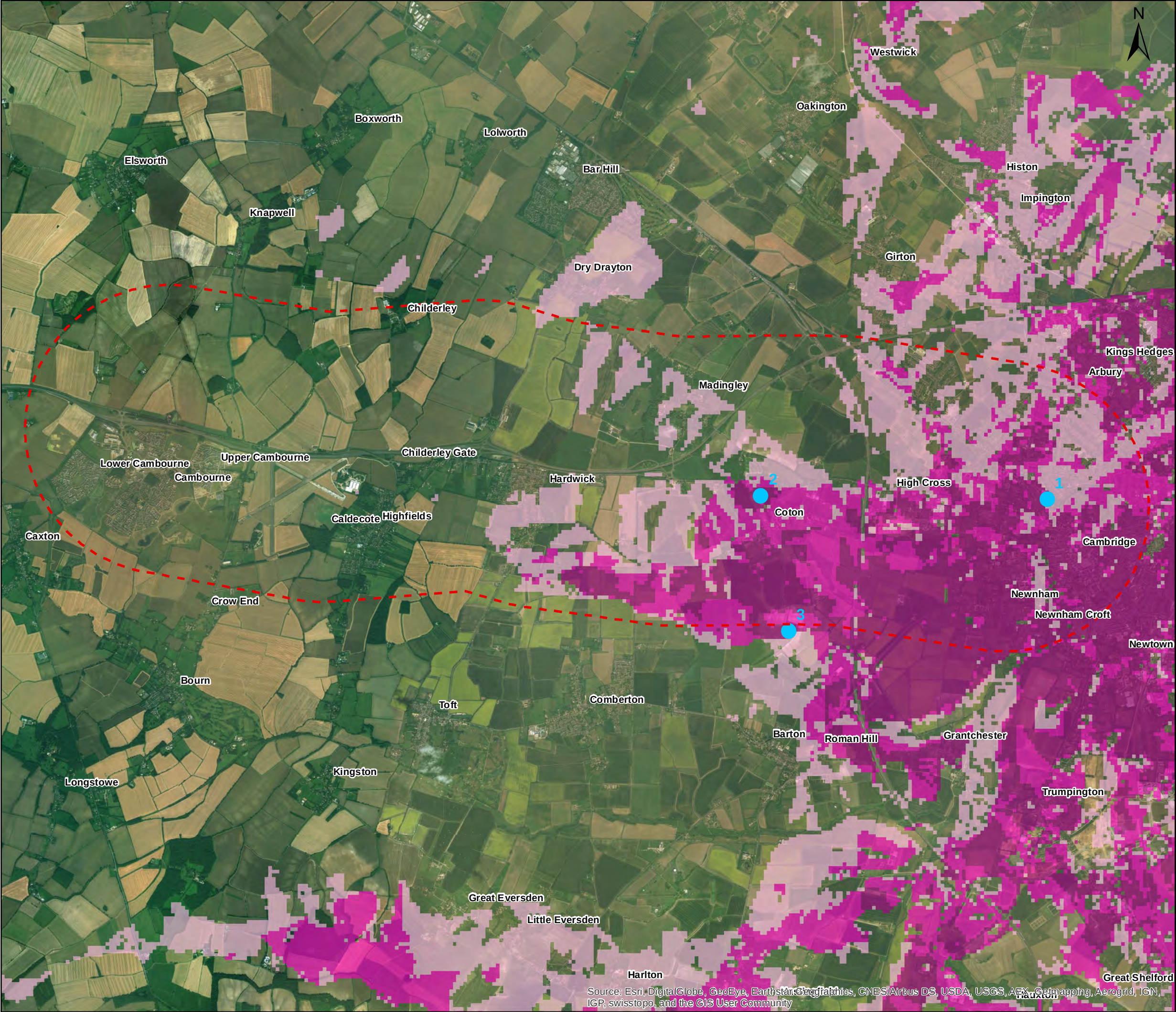
Note:
Visibility shown includes land that could be viewed from eye level (1.6m) using OS Terrain 50 data and does not account for the effect of visual barriers such as vegetation or buildings. The area of visibility is therefore indicative of the maximum potential view.

Contains OS data © Crown copyright and database right (2016)



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00012	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, ICP, swisstopo, and the GIS User Community



**A428 Cambourne to Cambridge
Better Bus Journeys**

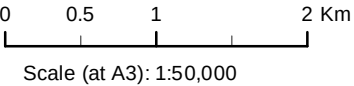
**Landscape & Planning Appraisal
Strategic Viewpoint Visibility**

Key

- Study Area
- 1: Castle Hill Mound, Shire Hall
- 2: Madingley Rise, Madingley Road
- 3: Redmeadow Hill, Barton
- Land visible from one viewpoint
- Land visible from two viewpoints
- Land visible from three viewpoints

Note:
Visibility shown includes land that could be viewed from eye level (1.6m) using OS Terrain 50 data and does not account for the effect of visual barriers such as vegetation or buildings. The area of visibility is therefore indicative of the maximum potential view.

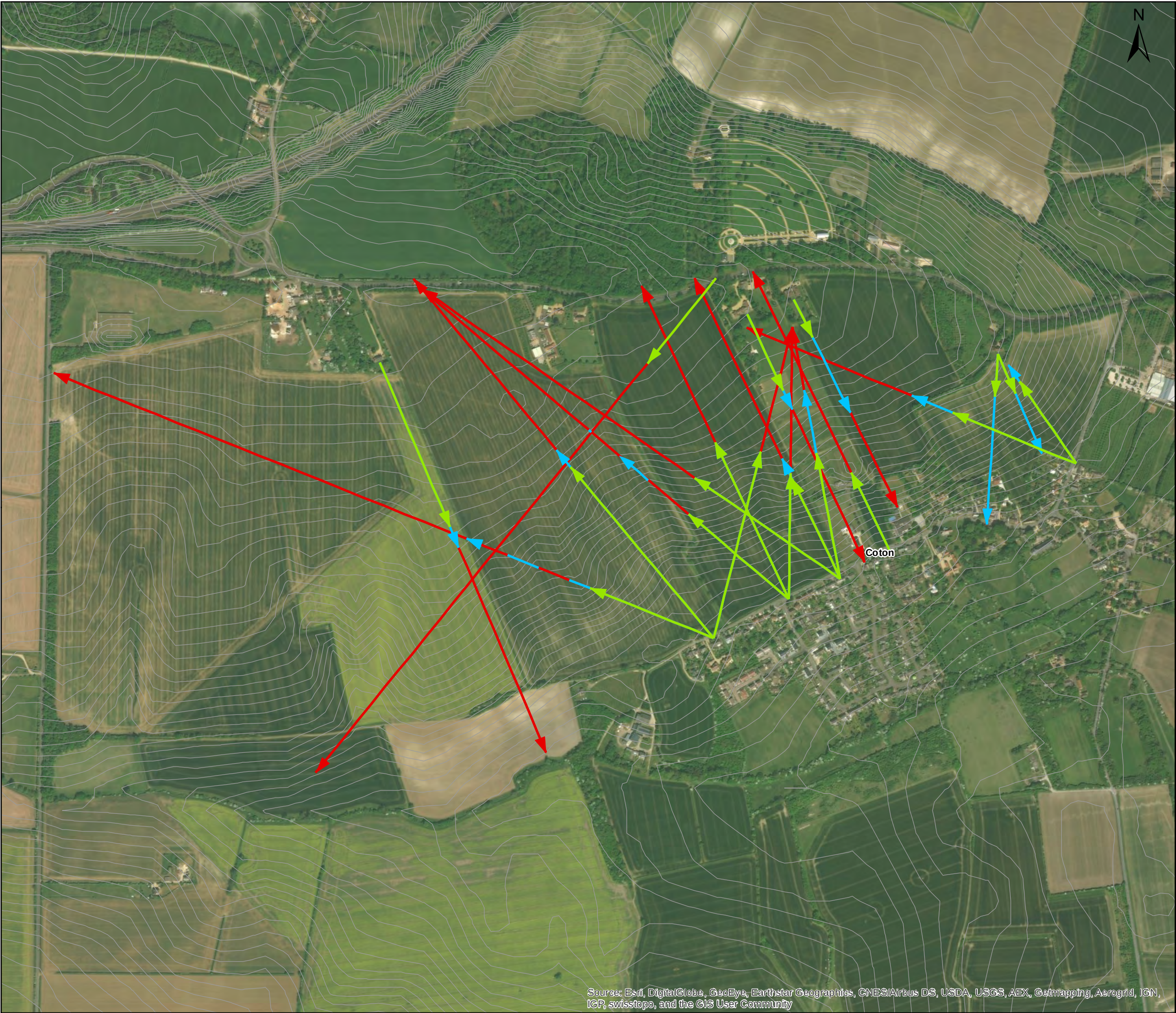
Contains OS data © Crown copyright and database right (2016)



ATKINS

Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-00-DR-L-00013	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



**A428 Cambourne to Cambridge
Better Bus Journeys**

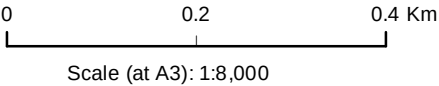
**Landscape & Planning Appraisal
Sightlines Around Coton**

Key

-  Ground Visible from Eye Level (1.6m)
-  Ground Visible from 1st Floor (4.1m)
-  Ground Not Visible
-  1m Contours

Note:
Sightlines based on topography data only.
Sightline interference by vegetation and/or
buildings is not taken into account.

Contains OS data © Crown copyright and
database right (2016)



ATKINS

Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A	
Drawing Number: CCBBJ-ATK-00-00-DR-L-00014		Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographies, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, ICP, swisstopo, and the GIS User Community

Photograph 1: View west from Strategic Viewpoint 1: Castle Hill Mound, Shire Hall



Photograph 2: View south west towards the American Military Cemetery from the North West Cambridge development site



A428 Cambourne to Cambridge
Better Bus Journeys

Landscape & Planning Appraisal
Representative Photographs

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00001	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 3: View north west from the end of Cranmer Road



Photograph 4: View south west from public footpath 39/31 adjacent to the West Cambridge University campus



**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Representative Photographs**

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00002	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 5: View south east from Strategic Viewpoint 2: Madingley Rise, Madingley Road



Photograph 6: View north along Cambridge Road from the northern edge of Coton



A428 Cambourne to Cambridge
Better Bus Journeys

Landscape & Planning Appraisal
Representative Photographs

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00003	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 7: View north east from the western end of Whitwell Way



Photograph 8: View south from field entrance on A1303, east of Madingley Mulch roundabout



A428 Cambourne to Cambridge
Better Bus Journeys

Landscape & Planning Appraisal
Representative Photographs

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00004	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 9: View north from Strategic Viewpoint 3: Red Meadow Hill, Barton



Photograph 10: View north east from Grantchester Road towards passing traffic on the M11



A428 Cambourne to Cambridge
Better Bus Journeys

Landscape & Planning Appraisal
Representative Photographs

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A	
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00005		Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 11: View west from the high point of Long Road, south of Bin Brook



Photograph 12: View east from the high point of Long Road, south of Bin Brook



**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Representative Photographs**

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A	
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00006		Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 13: View east along public bridleway 114/4 east of Hardwick



Photograph 14: View east along public bridleway 114/4 from the junction with bridleway 114/5 and footpath Main Street, south of Hardwick



A428 Cambourne to Cambridge
Better Bus Journeys

Landscape & Planning Appraisal
Representative Photographs

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A	
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00007		Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 15: View west along public bridleway 114/5 from the junction with bridleway 114/4 and Main Street, south of Hardwick



Photograph 16: View east along public bridleway 114/5 from the junction with bridleway 38/4 and footpath 38/9, east of Caldecote



**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Representative Photographs**

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A	
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00008		Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 17: View west along West Drive, Highfields



Photograph 18: View south from public footpath 38/1



**A428 Cambourne to Cambridge
Better Bus Journeys**

**Landscape & Planning Appraisal
Representative Photographs**

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00009	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016

Photograph 19: View east from Broadway across Bourn Airfield



Photograph 20: View south west from east Cambourne at the end of Beaucroft Road



A428 Cambourne to Cambridge
Better Bus Journeys

Landscape & Planning Appraisal
Representative Photographs

The locations of these photographs
are mapped on drawing:
CCBBJ-ATK-00-00-DR-L-00009



Status: S4	Purpose of issue: For Issue	Rev: 2.0	Model File Identifier: N/A
Drawing Number: CCBBJ-ATK-00-XX-PH-L-00010	Drawn: IL 02/11/2016	Checked: IL 02/11/2016	Authorised: GW 02/11/2016