



South East Strategic Reservoir Option EIA Scoping Report Figures

Part 7 - Figure 10.1 to Figure 19.2

J696-AJ-A02X-ZZZZ-RP-EN-100100

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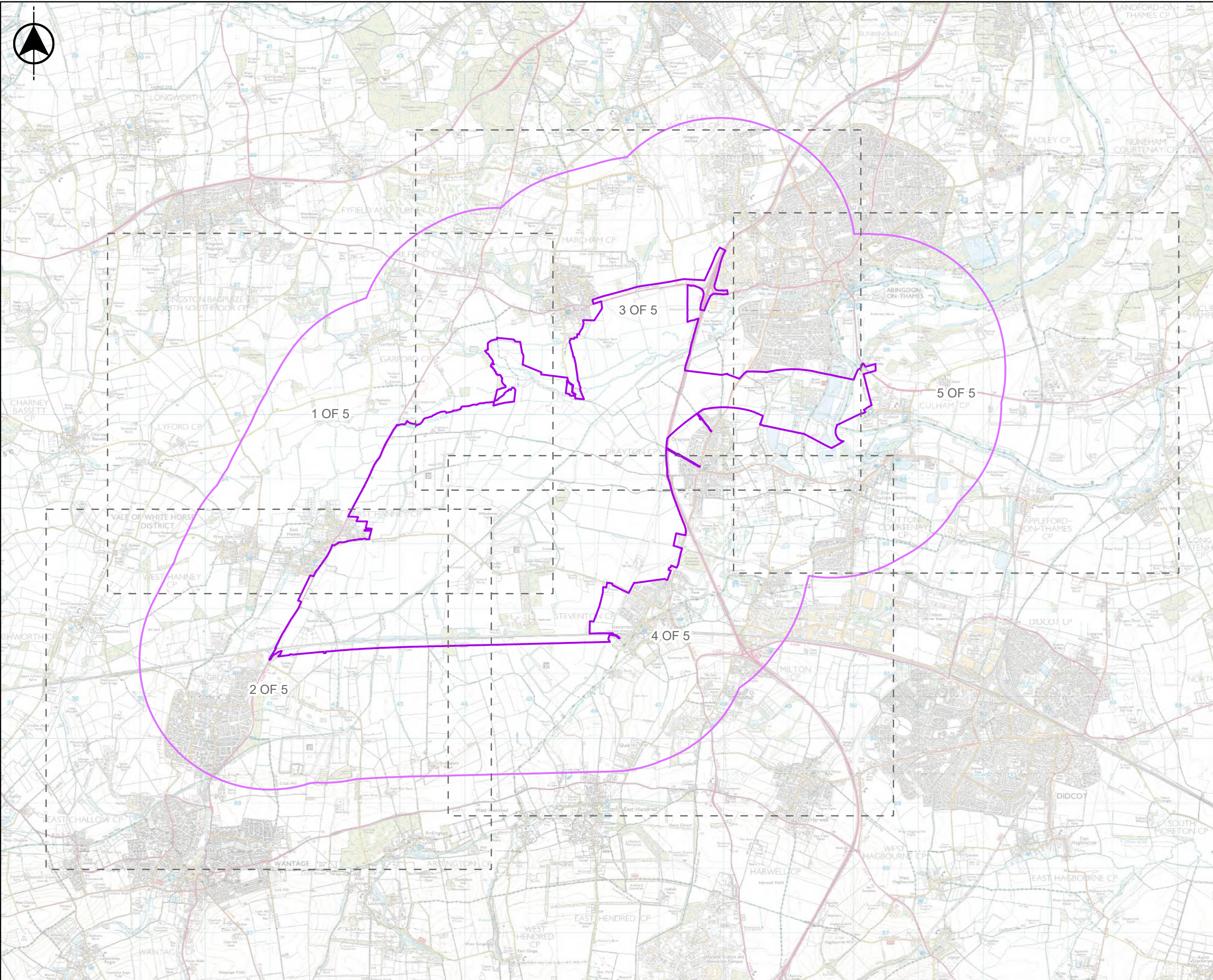
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Figure 10.1 Archaeological Assets



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Designated archaeology

Scheduled Monument

Non-designated archaeological assets

Oxfordshire Historic Environment Record

Archaeological monument

Landscape element

Historic transport route

Other record

Find spot

Historic hedgerow

Archaeological cropmarks and geophysical anomalies

Cropmarks

Geophysical survey results

Possible archaeology

Archaeology

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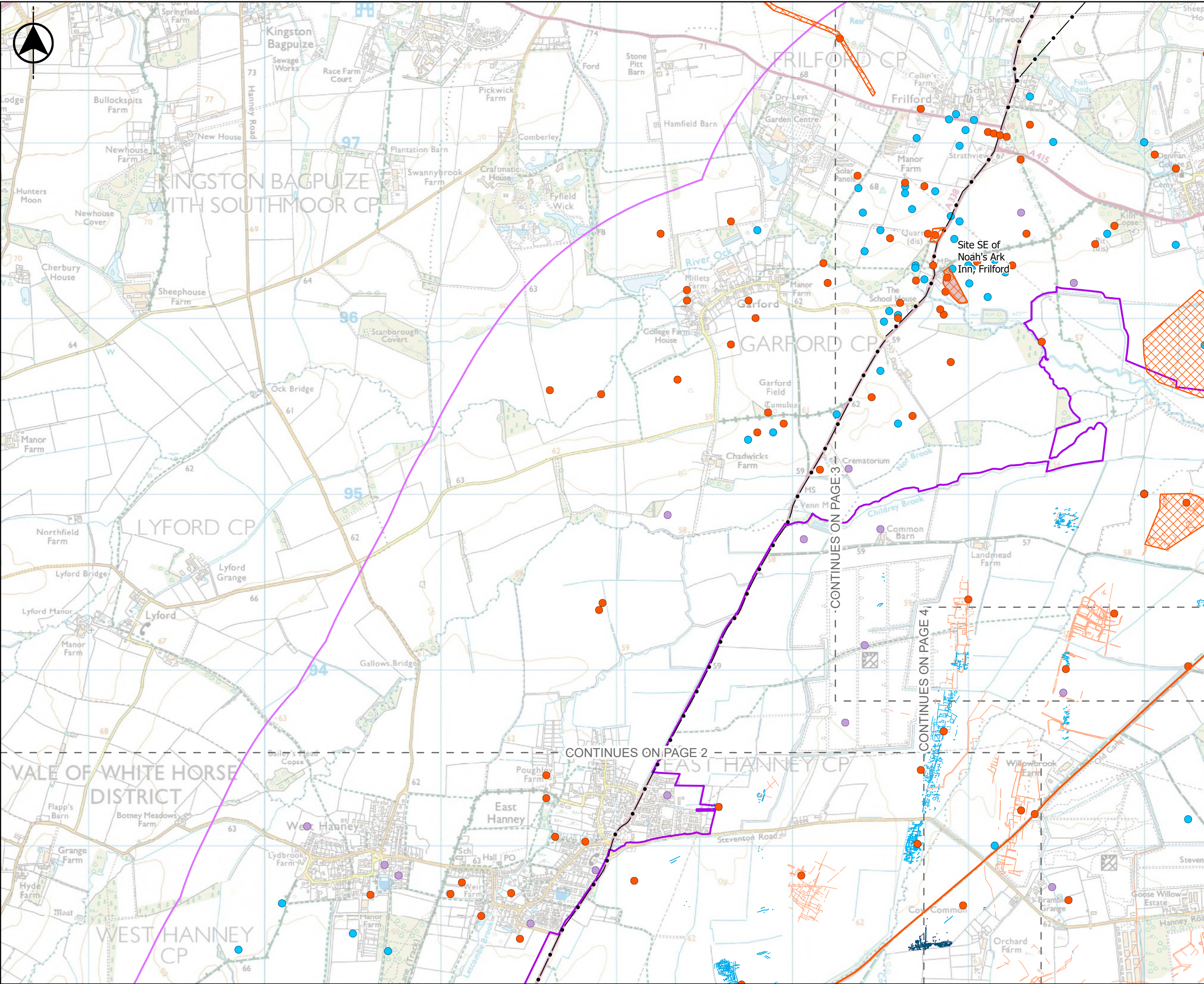
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Site Name: South East Strategic Reservoir Option (SESRO)

Project: J696 South East Strategic Reservoir Option (SESRO)

Title: FIGURE 10.1 ARCHAEOLOGICAL ASSETS OVERVIEW

Scale at A3 1:55,000	Sheet Size: A3	Status A1
Drawing Number J606-AJ-A02X-ZZZZ-DR-EN-100058		Rev C01



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Designated archaeology

Scheduled Monument

Non-designated archaeological assets

Oxfordshire Historic Environment Record

Archaeological monument

Landscape element

Historic transport route

Other record

Find spot

Archaeological cropmarks and geophysical anomalies

Cropmarks

Geophysical survey results

Archaeology

Possible archaeology

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Site Name:
South East Strategic Reservoir Option (SESRO)

Project:
J696 South East Strategic Reservoir Option (SESRO)

Title:
FIGURE 10.1
ARCHAEOLOGICAL ASSETS

Scale at A3
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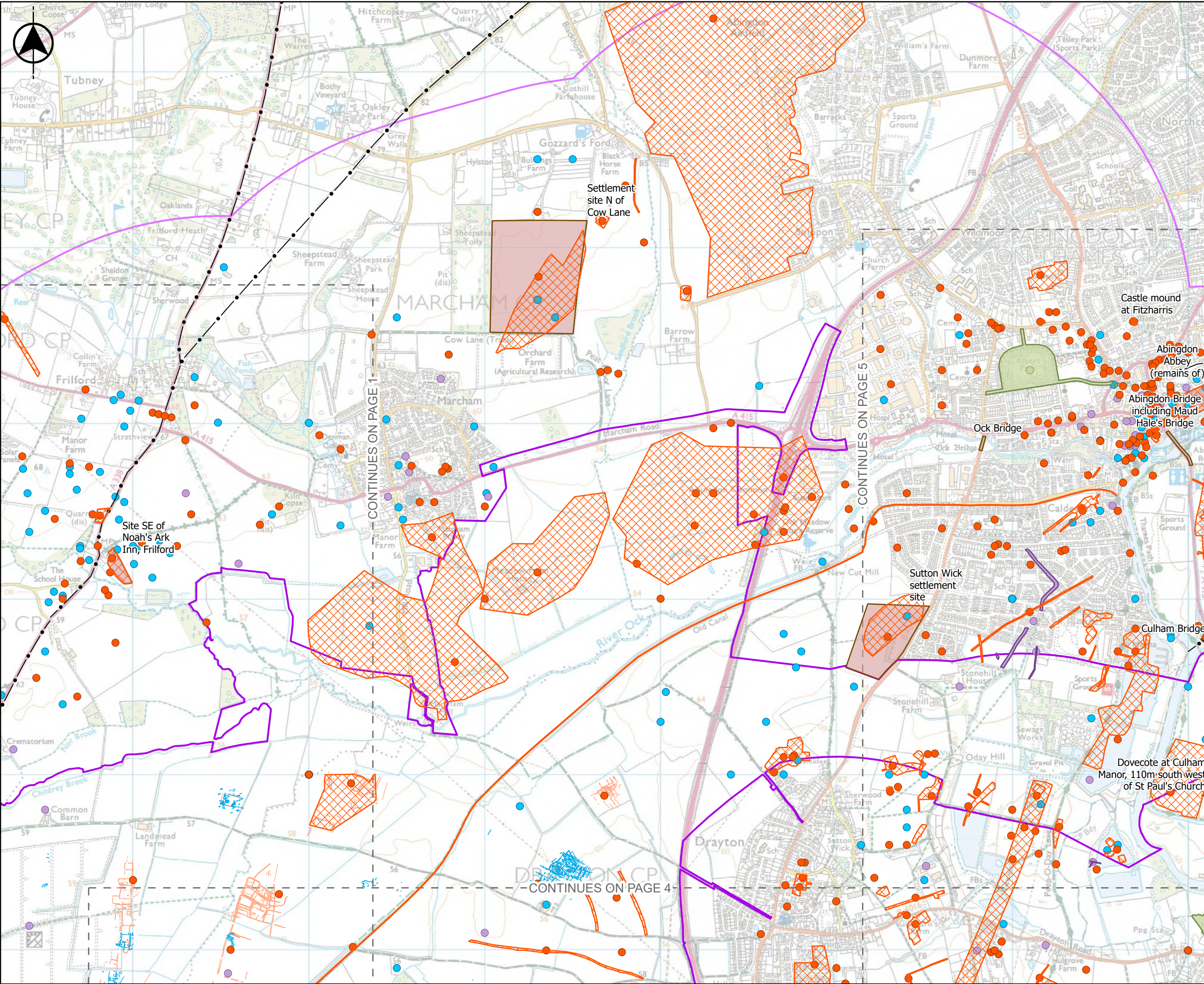
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Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Designated archaeology

Scheduled Monument

Non-designated archaeological assets

Oxfordshire Historic Environment Record

Archaeological monument

Find spot

Landscape

Other record

Archaeological cropmarks and geophysical anomalies

Cropmarks

Geophysical survey results

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Project

J696 South East Strategic Reservoir Option (SESRO)

Title

FIGURE 10.1
ARCHAEOLOGICAL ASSETS

Scale at A3

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Sheet Size:

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Status

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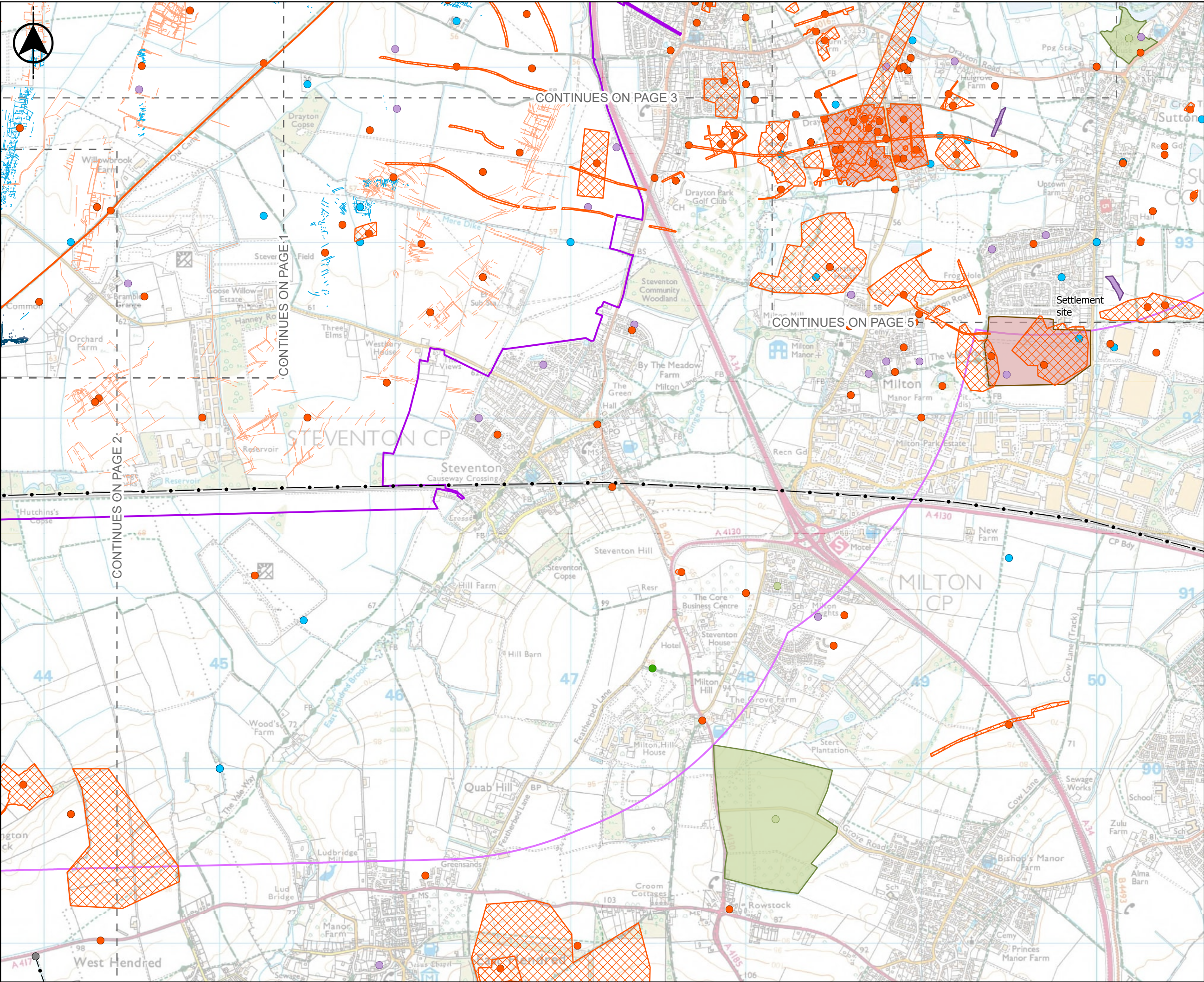
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Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Designated archaeology

Scheduled Monument

Non-designated archaeological assets

Oxfordshire Historic Environment Record

Archaeological monument

Find spot

Historic hedgerow

Landscape

Archaeological cropmarks and geophysical anomalies

Cropmarks

Geophysical survey results

Archaeology

Possible archaeology

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Site Name: South East Strategic Reservoir Option (SESRO)

Project: J696 South East Strategic Reservoir Option (SESRO)

Title: FIGURE 10.1 ARCHAEOLOGICAL ASSETS

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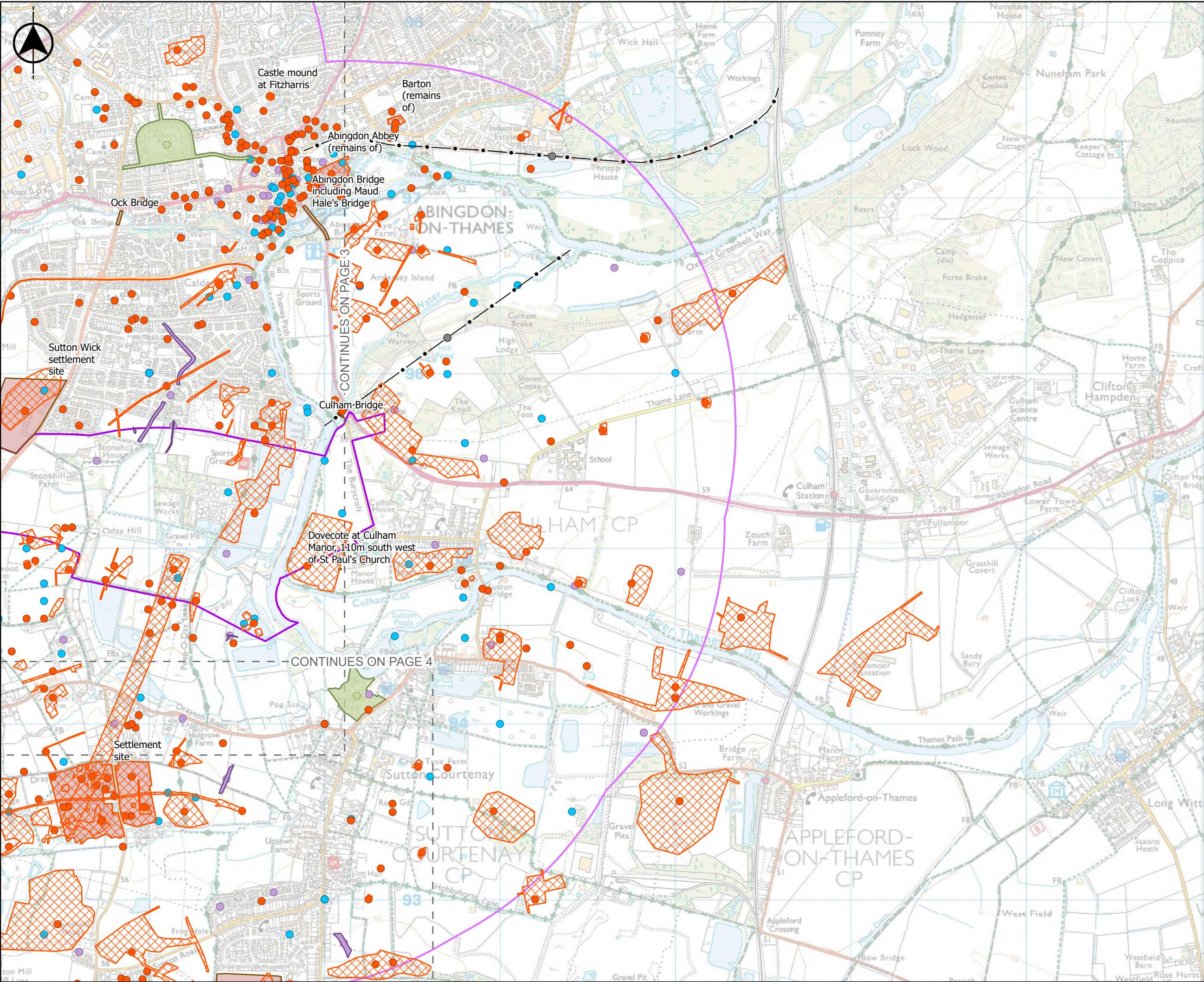
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0 500 1,000 Metres



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Designated archaeology

Scheduled Monument

Non-designated archaeological assets

Oxfordshire Historic Environment Record

Archaeological monument

Find spot

Landscape

Historic transport route

Other record

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Project

J696 South East Strategic Reservoir Option (SESRO)

Title

FIGURE 10.1
ARCHAEOLOGICAL ASSETS

Scale at A3

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Status

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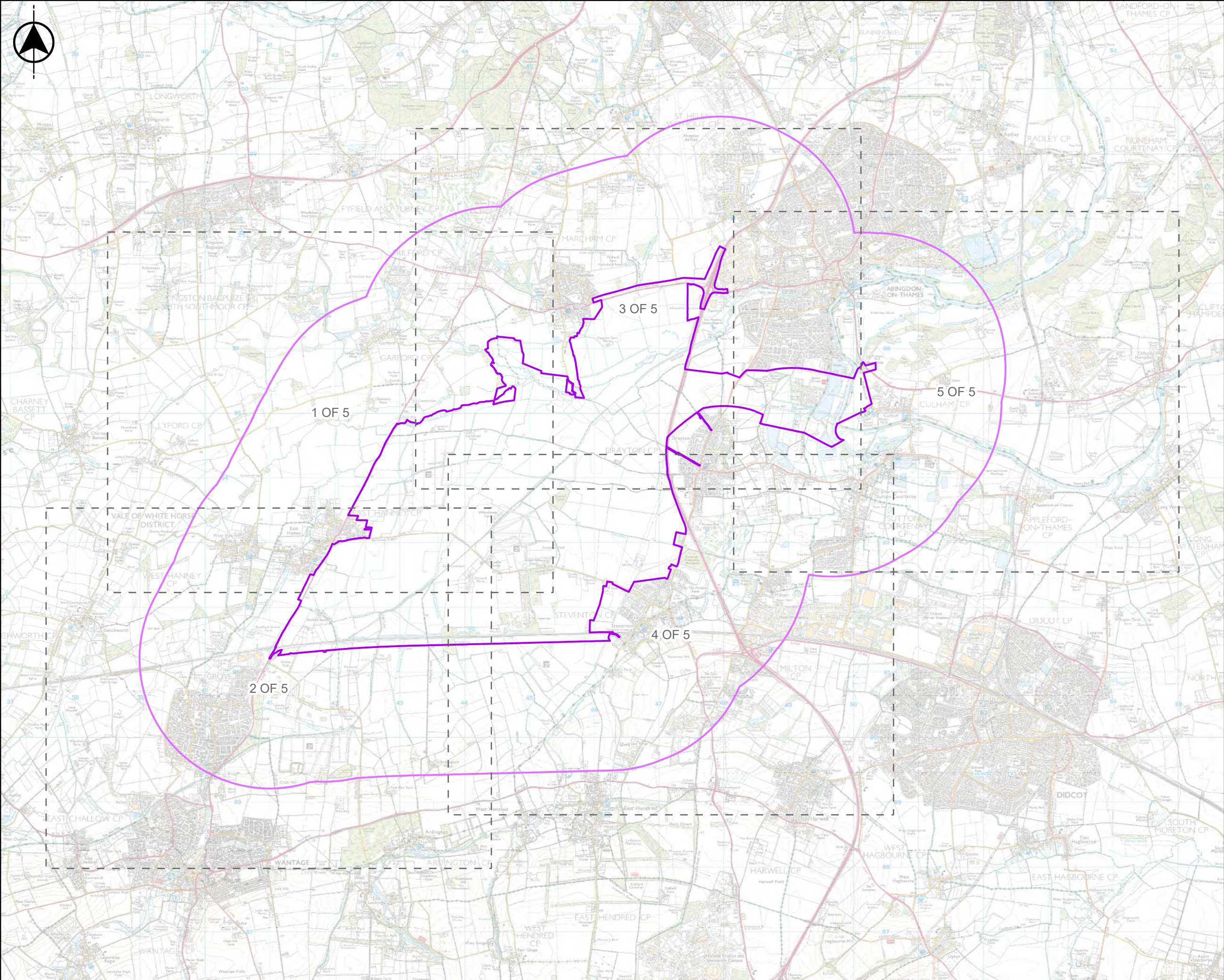
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Figure 10.2 Built Heritage Assets



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Grade I Listed Building

Grade II* Listed Building

Grade II Listed Building

Conservation Area

Non-designated historic building

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Project

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FIGURE 10.2
BUILT HERITAGE ASSETS
OVERVIEW

Scale at A3

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Sheet Size:

A3

Status

A1

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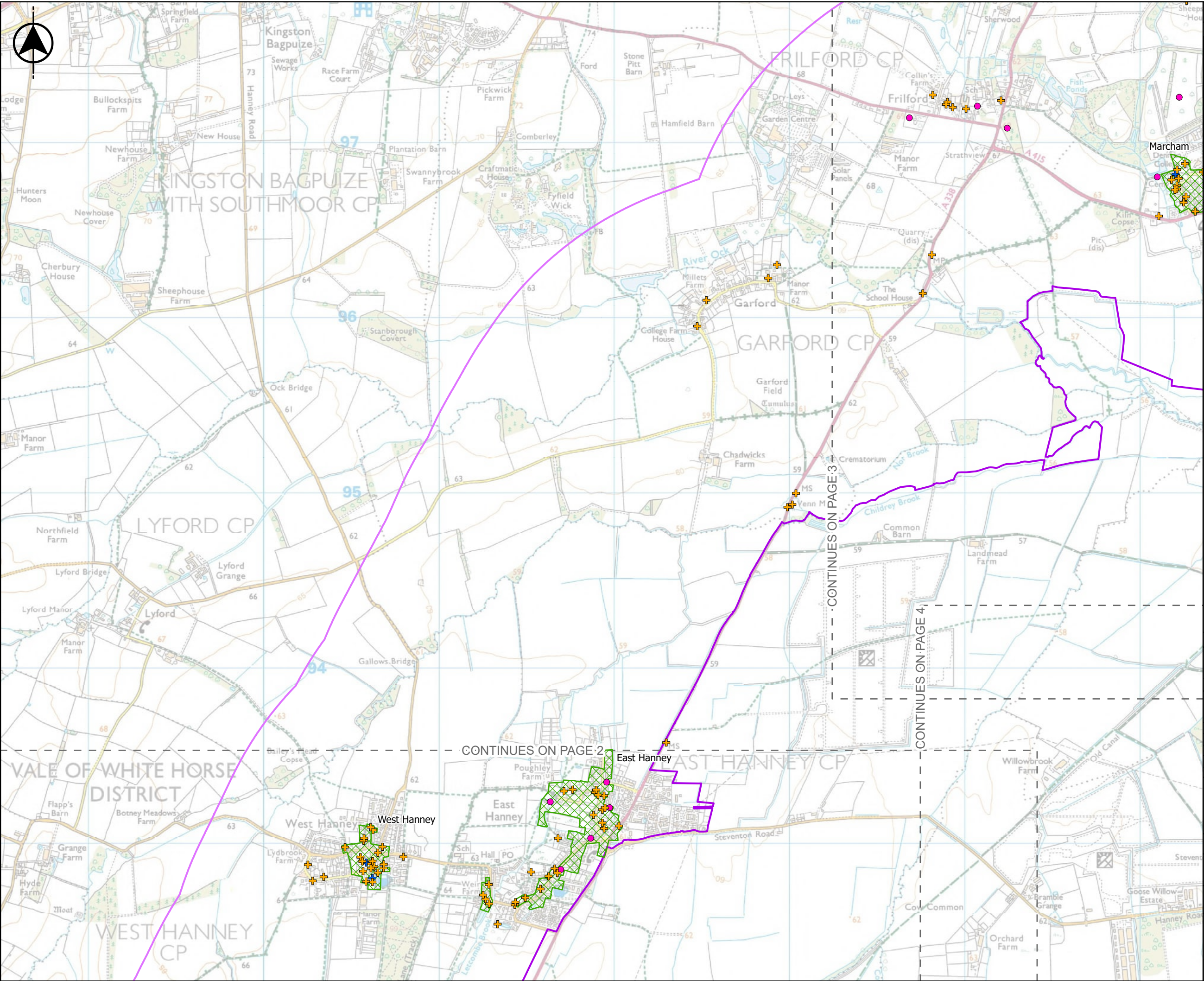
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0

1,500

3,000

Metres



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Grade II* Listed Building

Grade II Listed Building

Conservation Area

Non-designated historic building

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J696 South East Strategic Reservoir Option (SESRO)

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FIGURE 10.2
BUILT HERITAGE ASSETS

Scale at A3

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Status

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Drawing Number

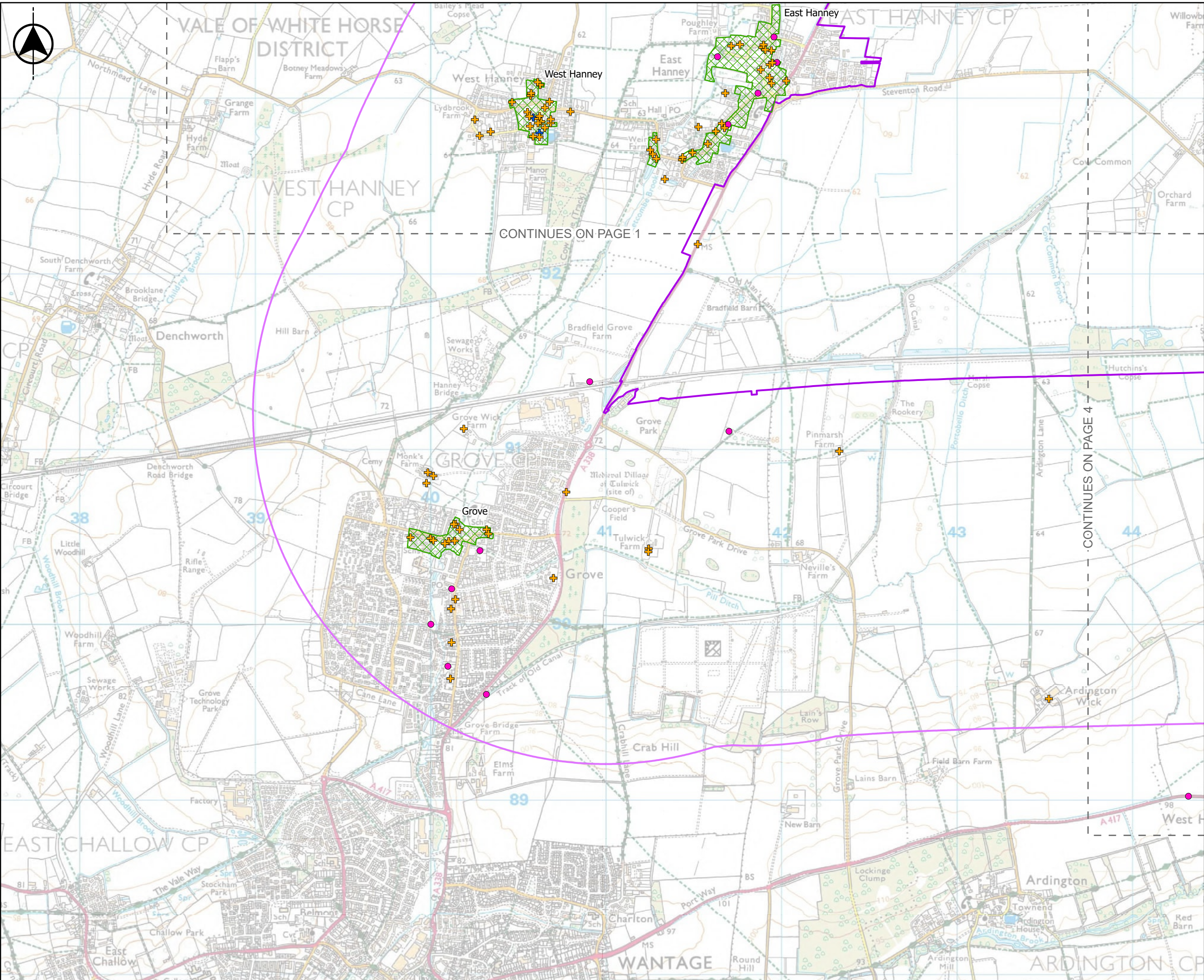
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0 500 1,000 Metres



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Grade II* Listed Building

Grade II Listed Building

Conservation Area

Non-designated historic building

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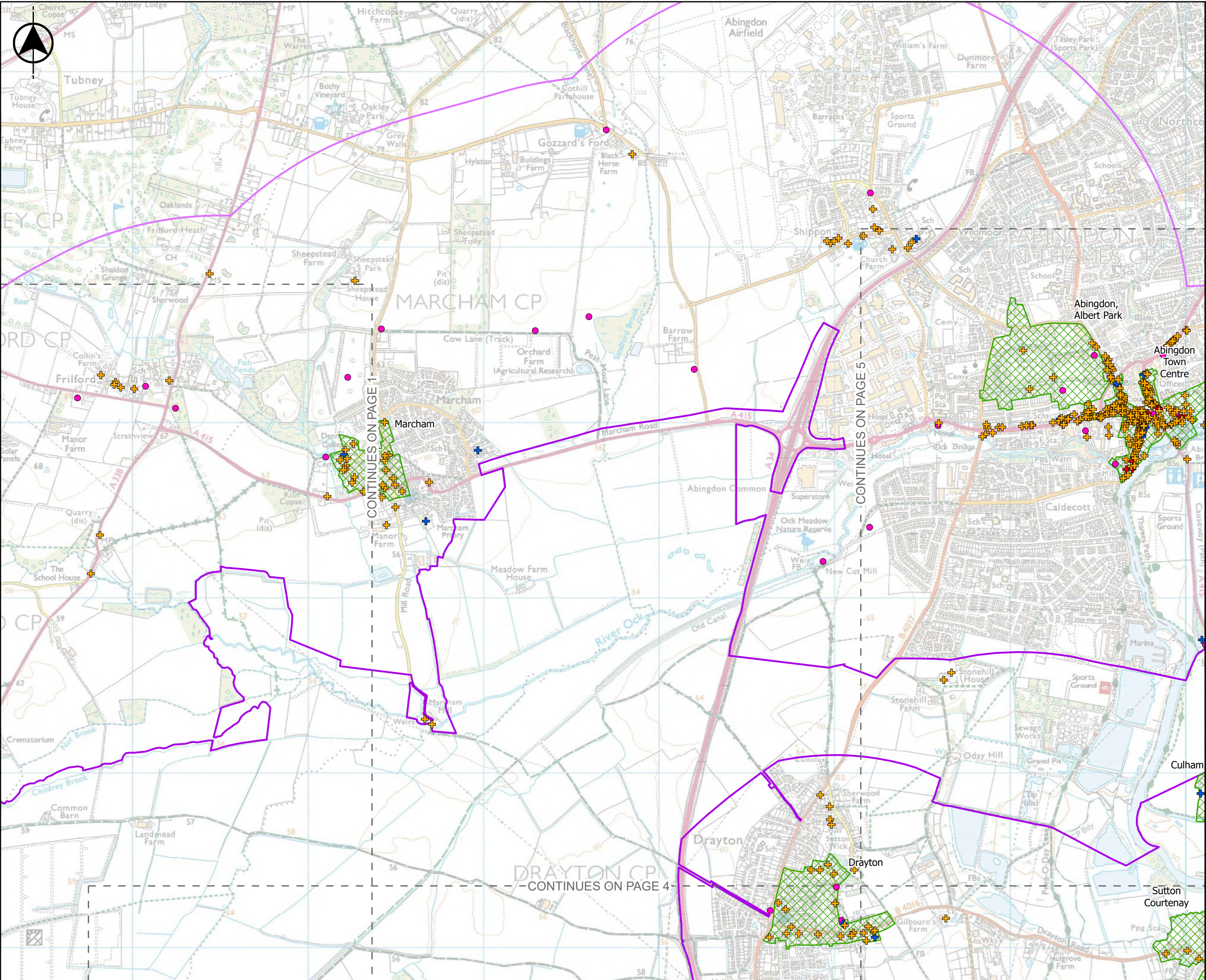
Project

J696 South East Strategic Reservoir Option (SESRO)

Title

FIGURE 10.2
BUILT HERITAGE ASSETS

Scale at A3 1:20,000	Sheet Size: A3	Status A1
Drawing Number J606-AJ-A02X-ZZZZ-DR-EN-100059		Rev C01



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Grade I Listed Building

Grade II* Listed Building

Grade II Listed Building

Conservation Area

Non-designated historic building

Copyright

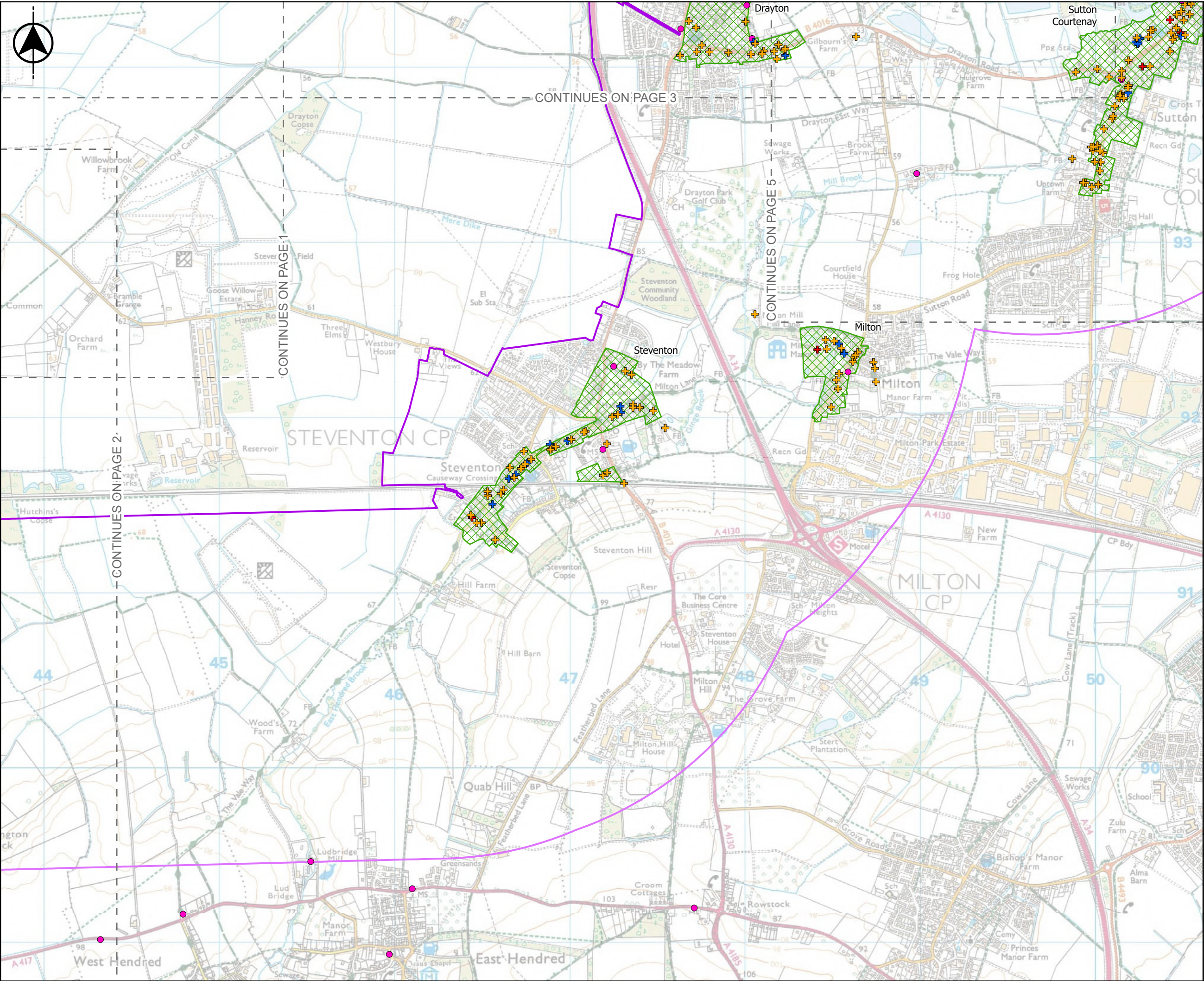
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Client														
APFP References:			Security Reference:											
N/A			Public											
Site Name:														
South East Strategic Reservoir Option (SESRO)														
Project														
J696 South East Strategic Reservoir Option (SESRO)														
Title														
FIGURE 10.2 BUILT HERITAGE ASSETS														
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Drawing Number			J606-AJ-A02X-ZZZZ-DR-EN-100059			Rev								
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Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Grade I Listed Building

Grade II* Listed Building

Grade II Listed Building

Conservation Area

Non-designated historic building

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Project

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Title

FIGURE 10.2
BUILT HERITAGE ASSETS

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Status

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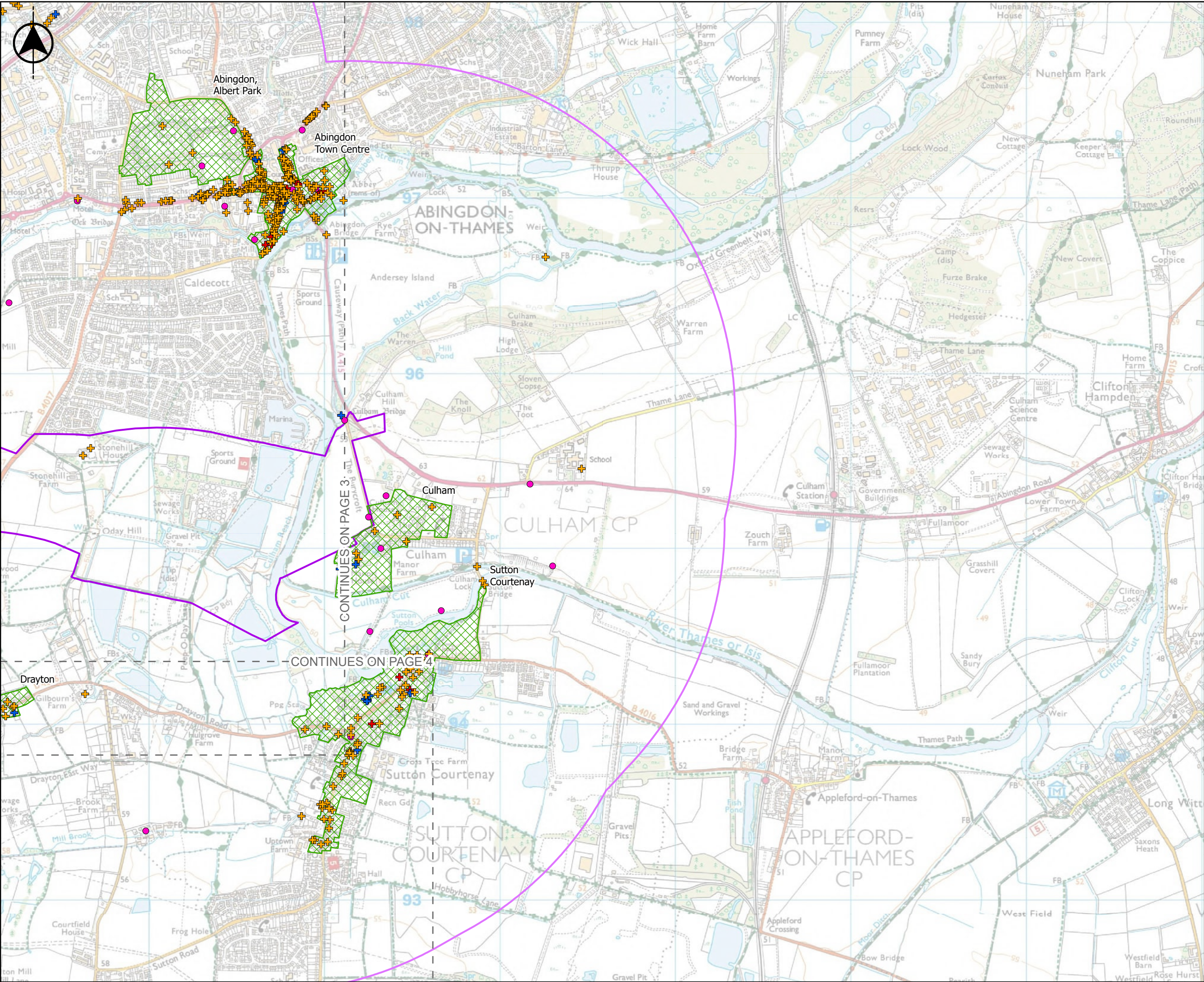
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Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Grade I Listed Building

Grade II* Listed Building

Grade II Listed Building

Conservation Area

Non-designated historic building

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Project

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Title

FIGURE 10.2
BUILT HERITAGE ASSETS

Scale at A3

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Sheet Size:

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Status

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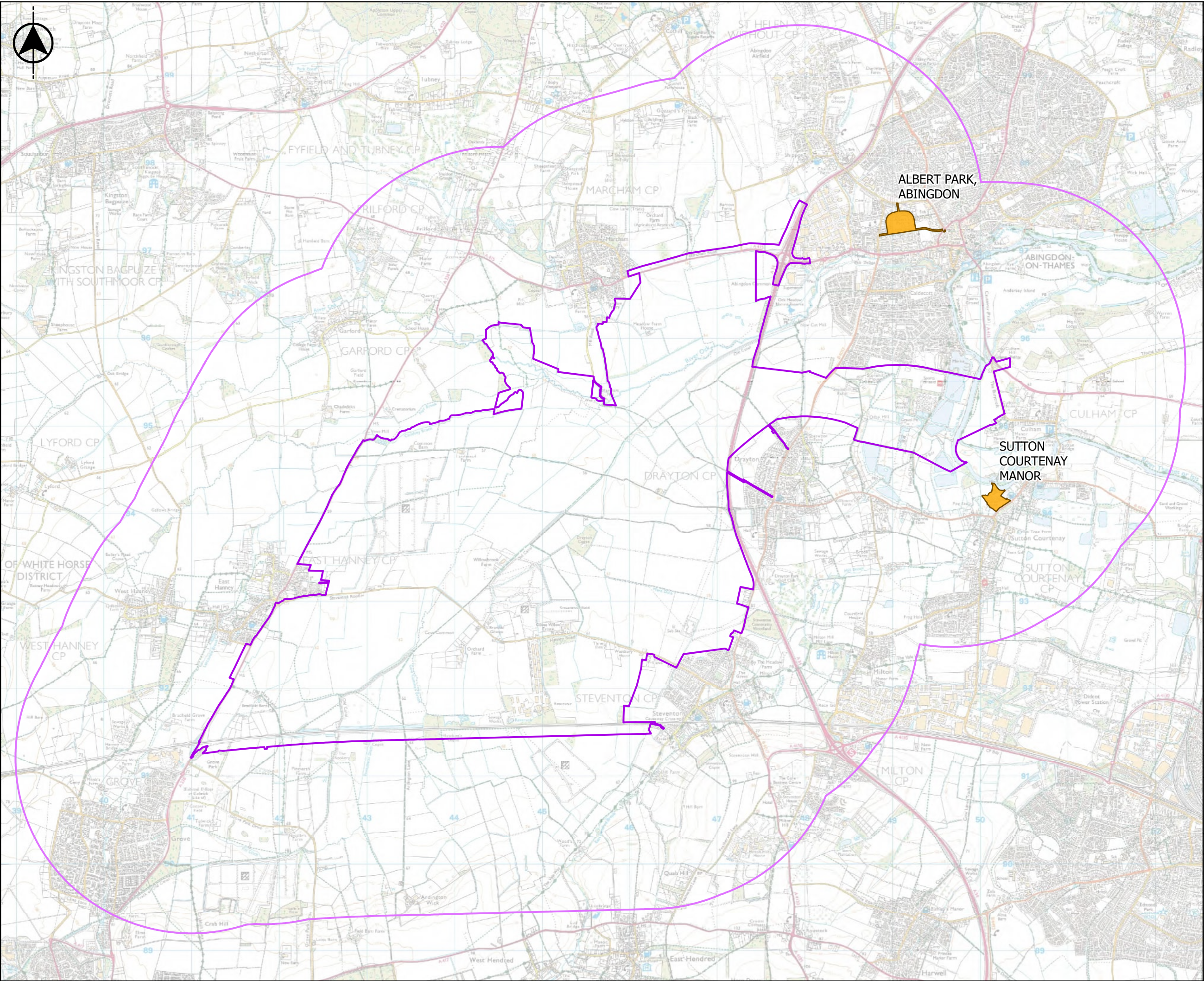
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Figure 10.3 Historic Landscape Assets



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

2km study area

Registered Park and Garden

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South East Strategic Reservoir Option (SESRO)

Project
J696 South East Strategic Reservoir Option (SESRO)

Title
FIGURE 10.3
HISTORIC LANDSCAPE ASSETS

Scale at A3
1:40,000

Sheet Size:
A3

Status
A1

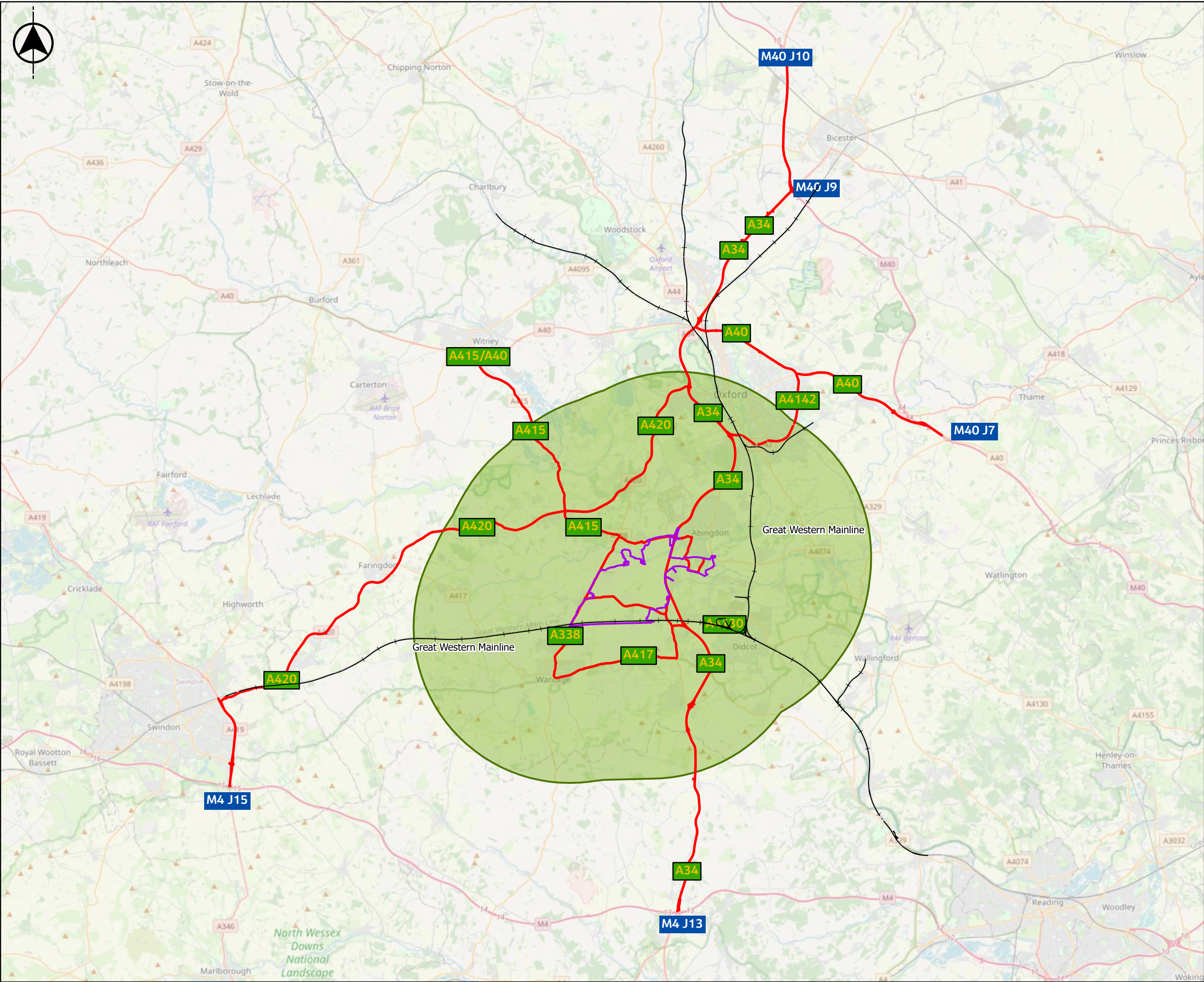
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Figure 11.1 Highways Study Area



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Do not scale - if in doubt ask

Location Map Scale: 1:5,000,000

Legend

- EIA Scoping Boundary
- Construction worker catchment area from site boundary edge
- Traffic & Movement study area (construction and operational)
- Railway track

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Client

APFP References:
N/A

Security Reference:
Internal - Company and Partners

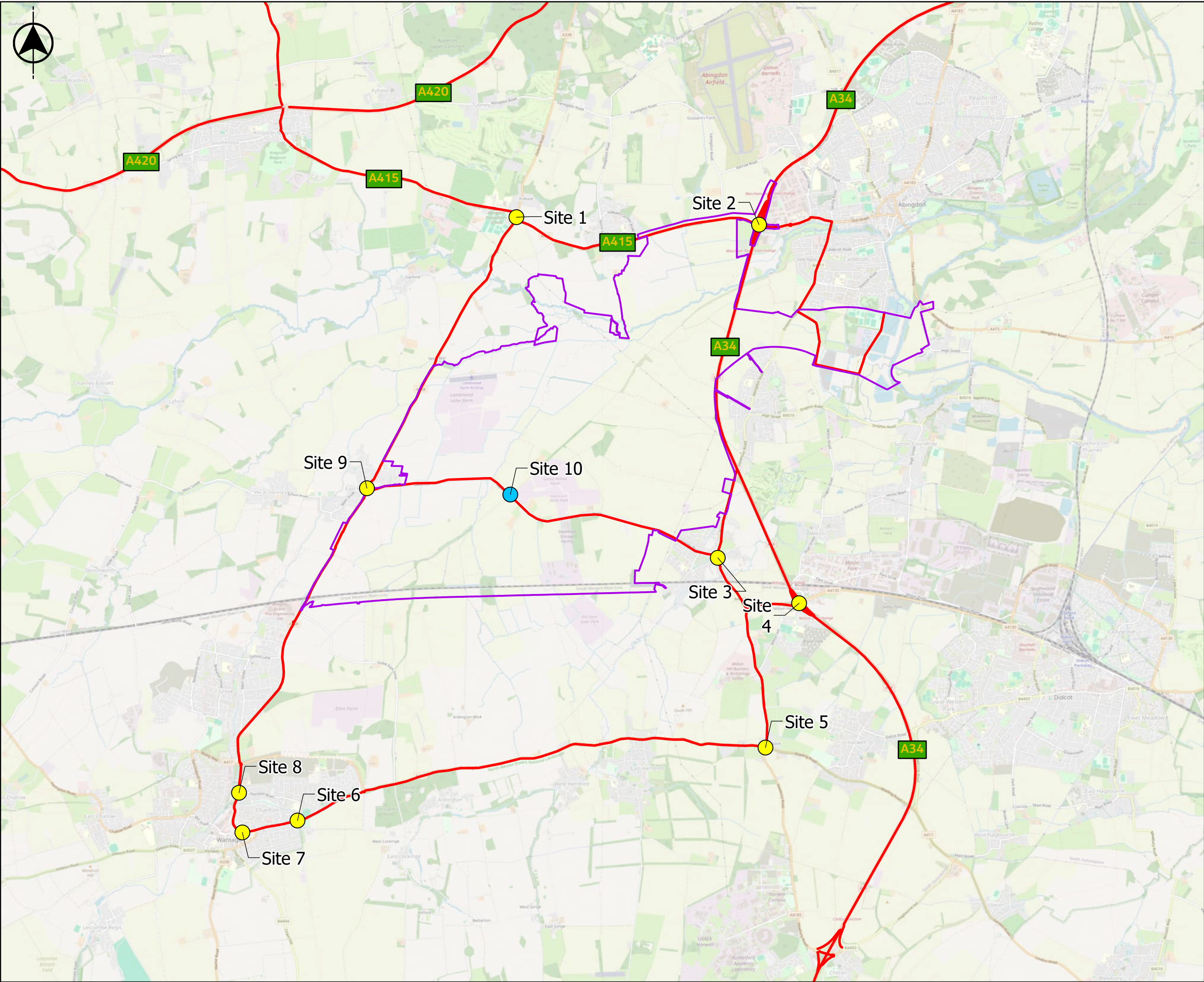
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Project
J696 South East Strategic Reservoir Option (SESRO)

Title
FIGURE 11.1
HIGHWAYS STUDY AREA

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Drawing Number J696-AJ-A02X-ZZZZ-DR-EN-100055		Rev C01

Figure 11.2 Baseline traffic counts currently available



Do not scale - if in doubt ask

Location Map Scale: 1:5,000,000

Legend

EIA Scoping Boundary

Traffic & Movement Study Area (Construction and Operational)

Traffic Count

MCC Counts (September 2023)

ATC / NMU Count (June - July 2023)

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Security Reference:

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Title

FIGURE 11.2
BASELINE TRAFFIC COUNTS

Scale at A3

1:51,840

Sheet Size:

A3

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A1

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Figure 11.3 Existing PRow and cycling routes

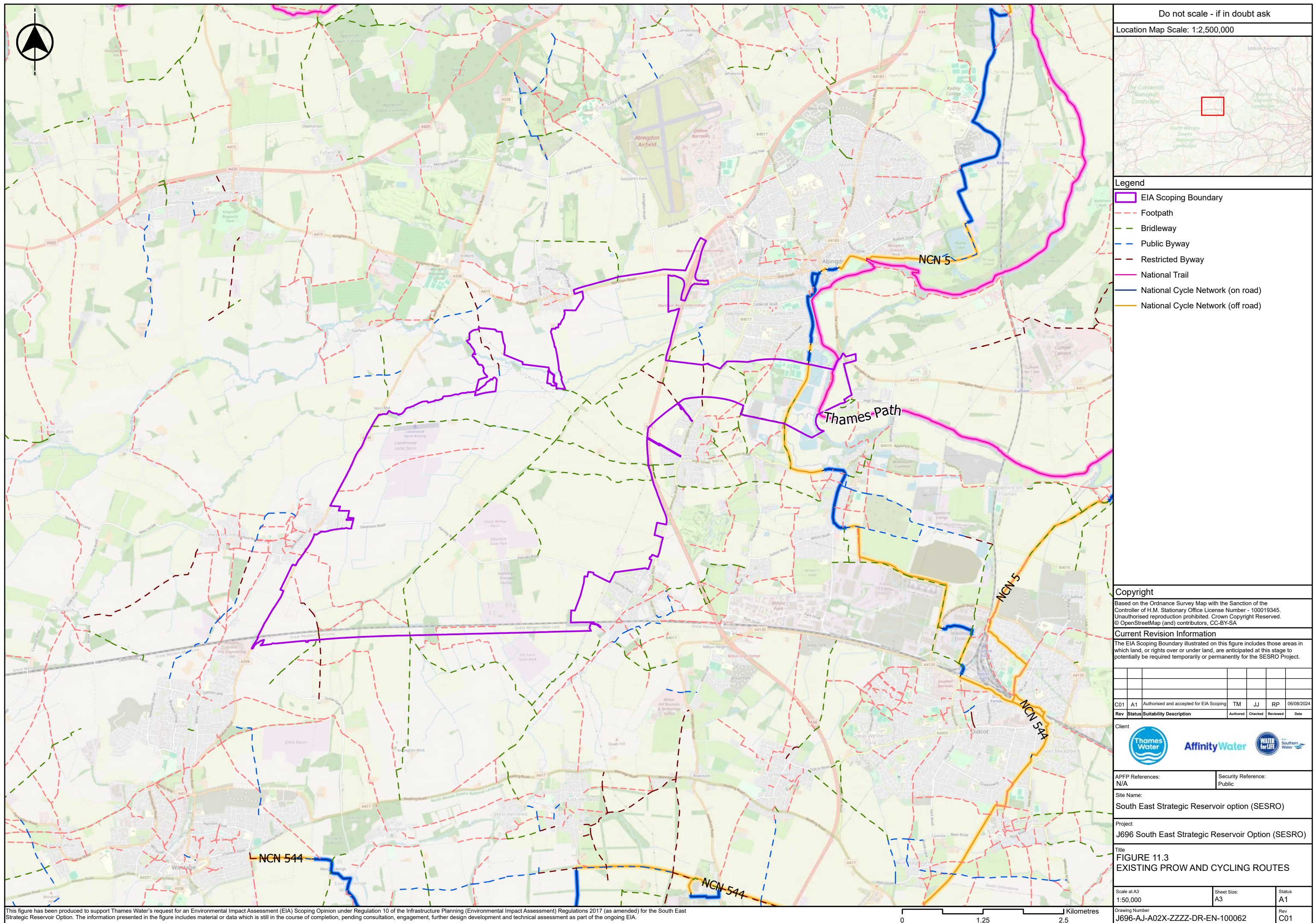
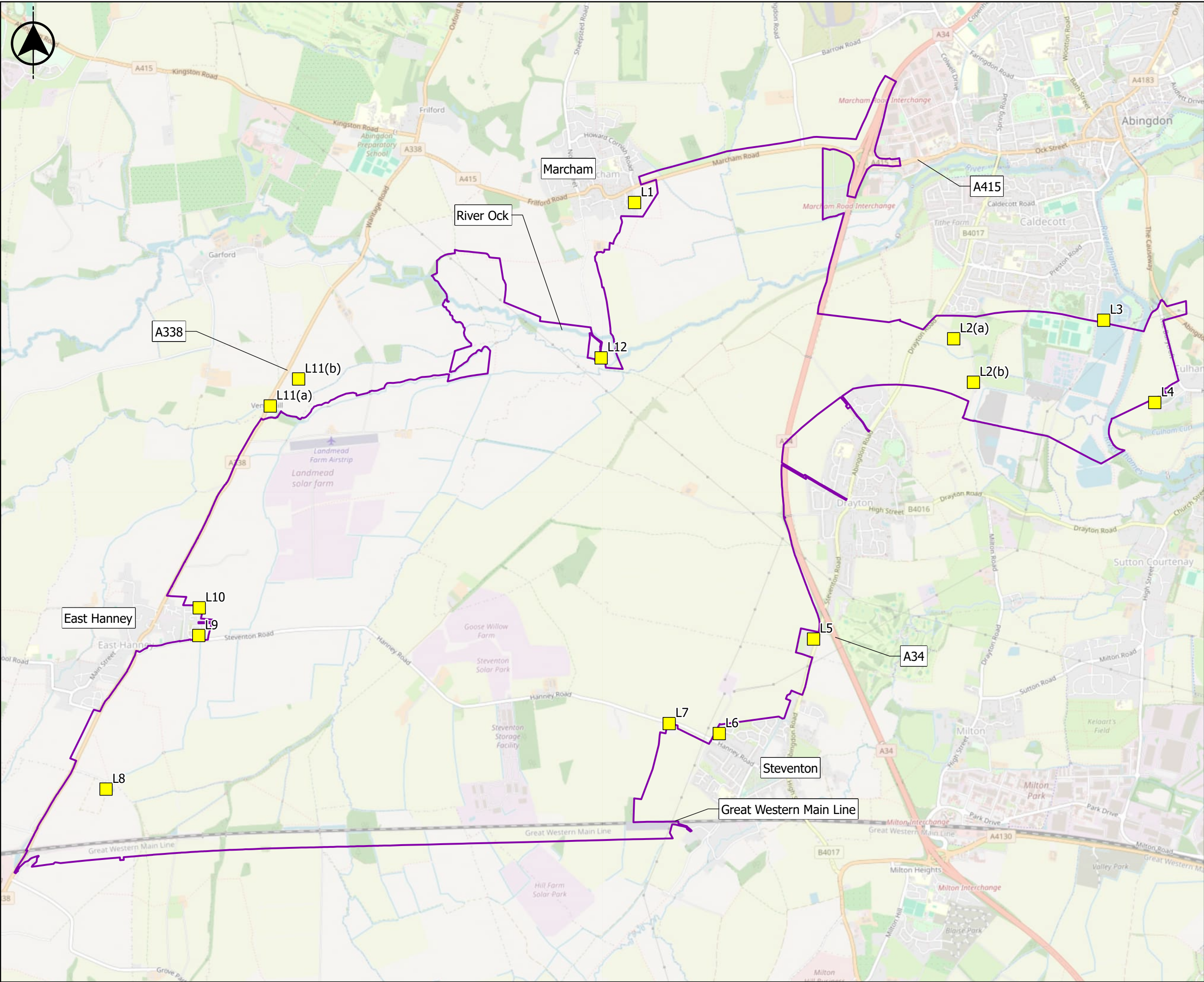


Figure 12.1 Proposed baseline monitoring



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

- EIA Scoping Boundary
- Baseline noise monitoring location

- On or near Cornish Road, Marcham
- Stonehill / Oday Hill, Drayton
- South Quay, Abingdon
- The Green, Culham
- At or near 216 Steventon Road, Drayton
- At or near 58 Hanney Road, Steventon
- 160 Hanney Road or The Views, Steventon
- Bradfield Barn
- At or near Tinkerbush Farm, Steventon Road, East Hanney
- At or near 2 Alfreds Place, East Hanney
- Venn Mill or South Oxford Crematorium
- Rushey or Marcham Mill, Marcham

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Rev	Status	Suitability Description	Authorised	Checked	Reviewed	Date

Client

APFP References:
N/A

Security Reference:
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Site Name:
South East Strategic Reservoir Option (SESRO)

Project
J696 South East Strategic Reservoir Option (SESRO)

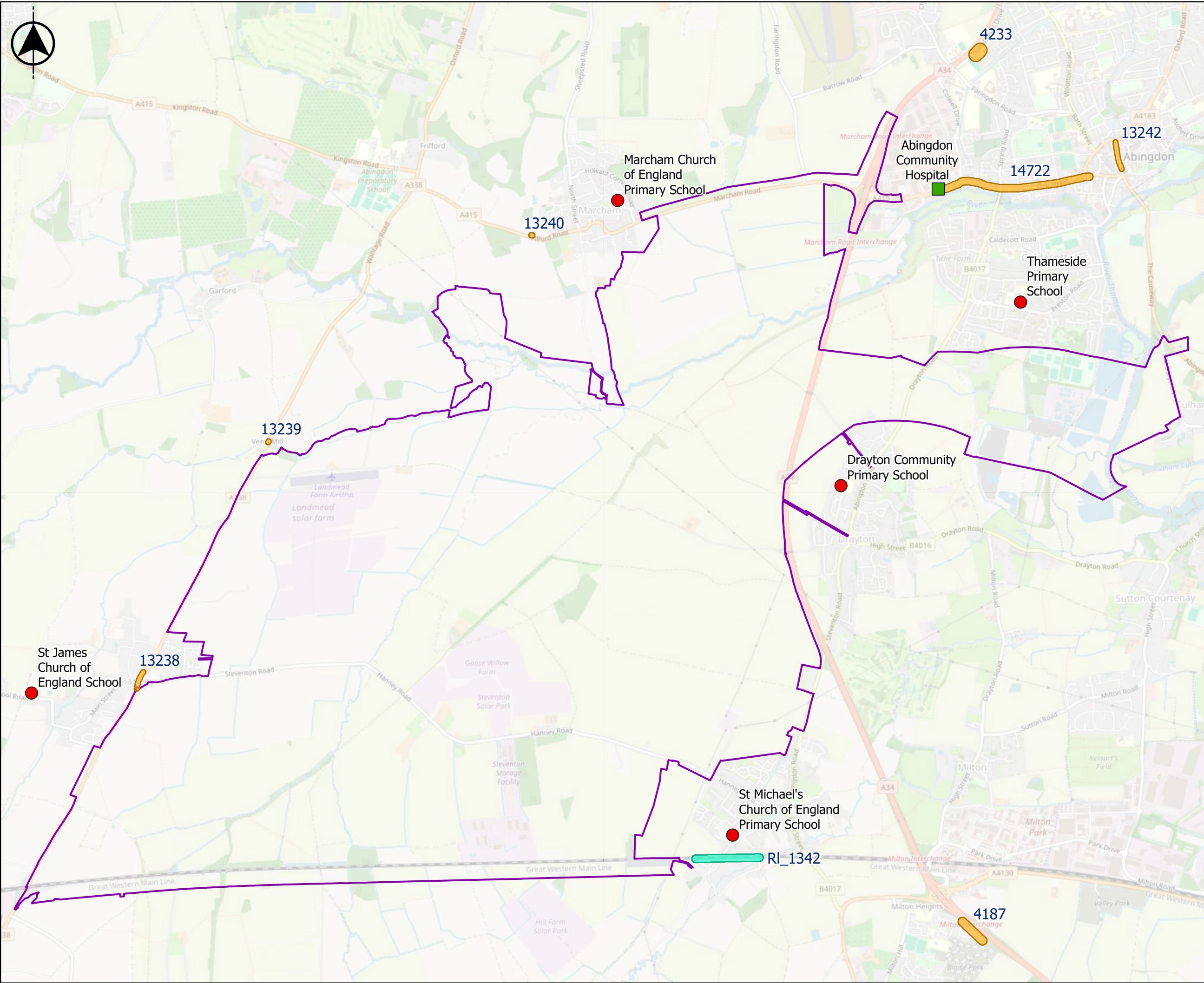
Title
FIGURE 12.1
PROPOSED BASELINE NOISE
MONITORING LOCATIONS

Scale at A3 1:28,000	Sheet Size: A3	Status A1
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Drawing Number
J696-AJ-A02X-ZZZZ-DR-EN-100046

Rev
C01

Figure 12.2 Schools, hospitals and important areas



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

Noise Action Plan Important Area

Sensitive receptor

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Rev	Status	Suitability Description	Authorised	Checked	Reviewed	Date

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Security Reference:

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Title

FIGURE 12.2
SCHOOLS, HOSPITAL AND NOISE ACTION
PLANNING IMPORTANT AREAS

Scale at A3

Sheet Size:

Status

Drawing Number

J696-AJ-A02X-ZZZZ-DR-EN-100047

Rev

C01

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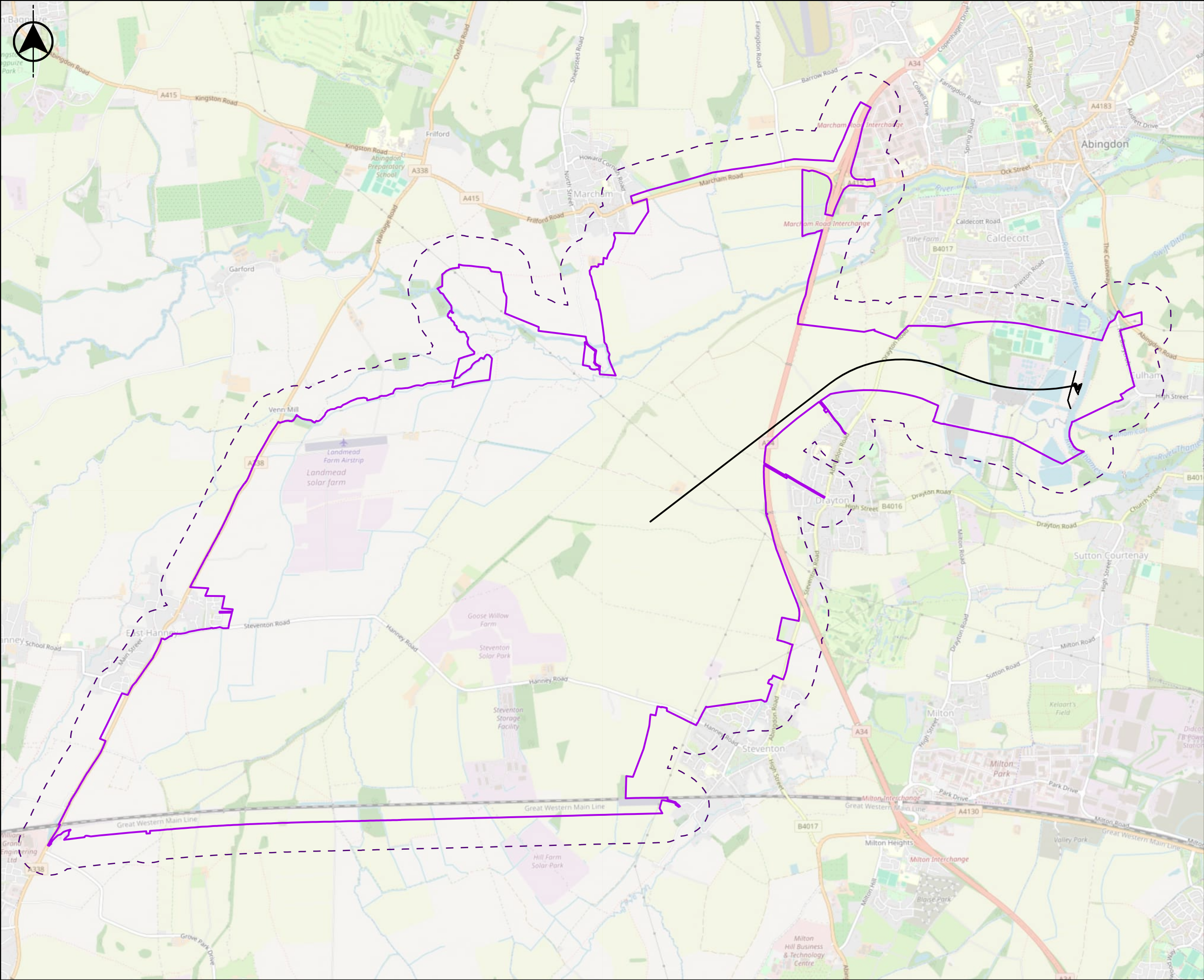
0

0.75

1.5


Kilometres

Figure 14.1 Study area





Do not scale - if in doubt ask


Location Map Scale: 1:1,000,000



Legend

 EIA Scoping Boundary

 Preferred intake/outfall pipeline route

 250m study area

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APFP References: N/A

Security Reference: Public

Site Name: South East Strategic Reservoir Option (SESRO)

Project: J696 South East Strategic Reservoir Option (SESRO)

Title: FIGURE 14.1 GEOLOGY & SOILS STUDY AREA

Scale at A3: 1:30,000

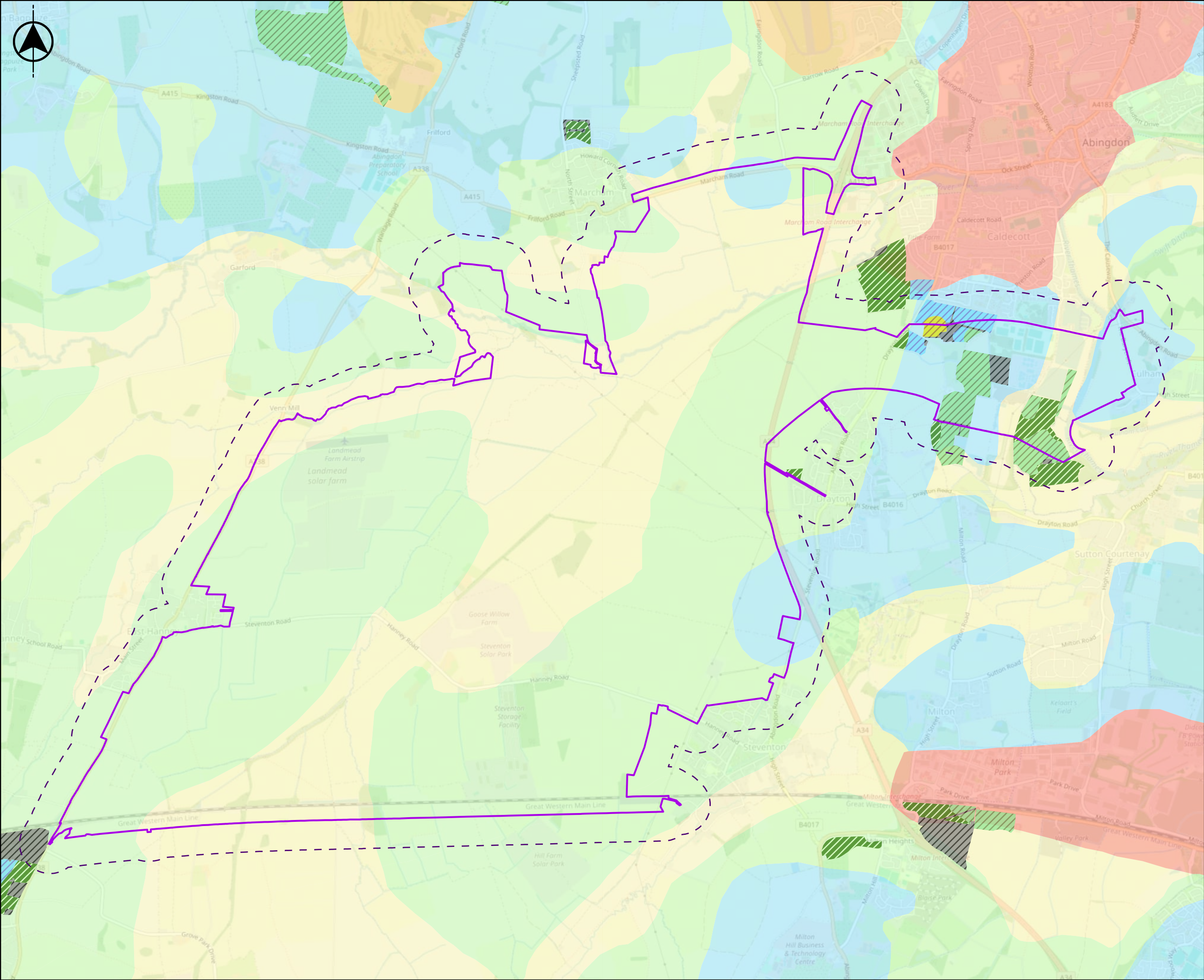
Sheet Size: A3

Status: A1

Drawing Number: J696-AJ-A02X-ZZZZ-DR-EN-100048

Rev: C01

Figure 14.2 Agricultural Land Classification



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Do not scale - if in doubt ask

Location Map Scale: 1:1,000,000

Legend

EIA Scoping Boundary

250m study area

Post-1988 Agricultural Land Classification

Grade 2 - very good quality

Subgrade 3a - good quality

Subgrade 3b - moderate quality

Grade 4 - poor quality

Other

Provisional Agricultural Land Classification

Grade 2 - very good quality

Grade 3 - good to moderate quality

Grade 4 - poor quality

Non Agricultural

Urban

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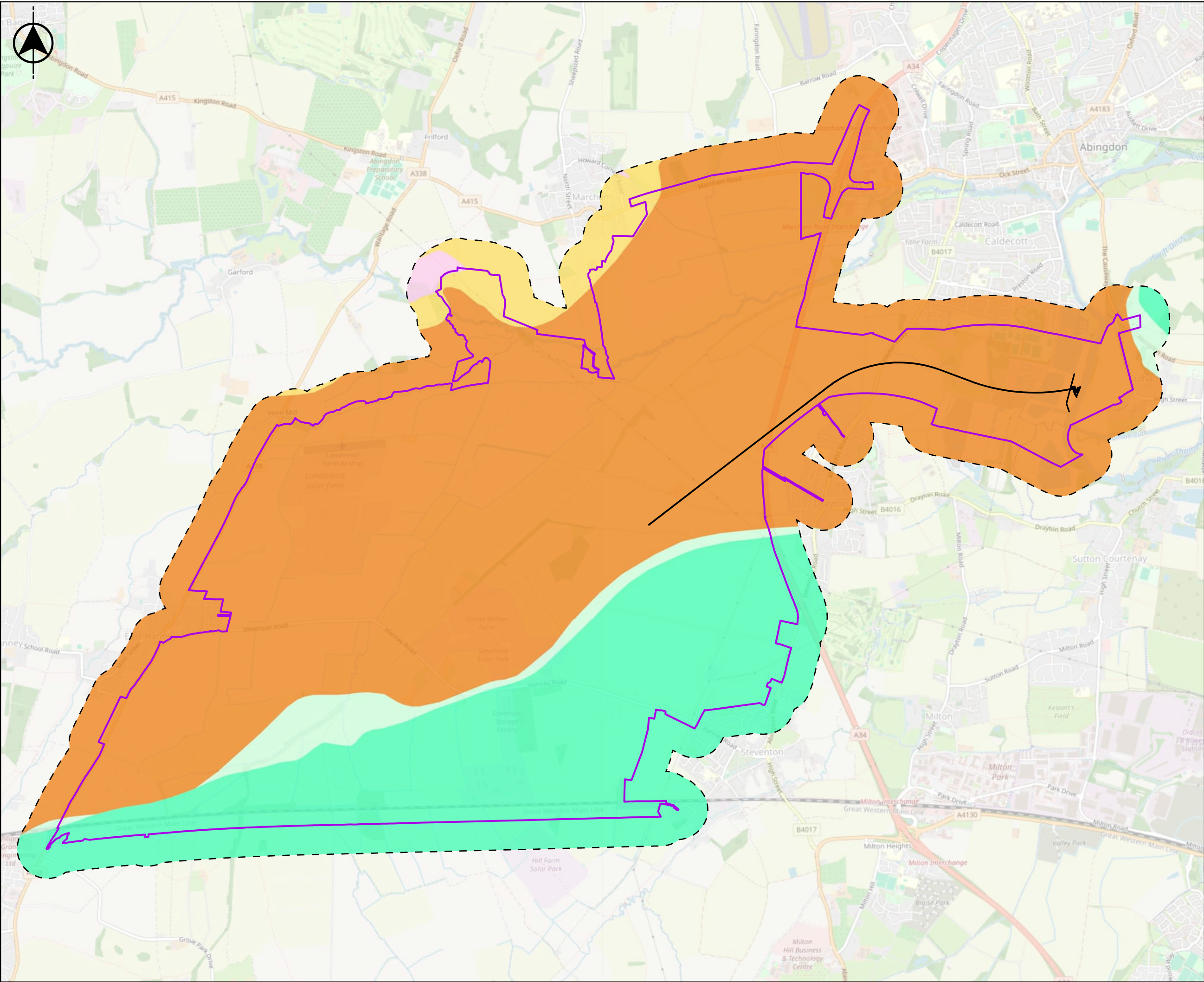
Title

FIGURE 14.2
PUBLISHED AGRICULTURAL LAND
CLASSIFICATION DATA

Scale at A3 1:30,000	Sheet Size: A3	Status A1
Drawing Number J696-AJ-A02X-ZZZZ-DR-EN-100051		Rev C01

Figure 14.3 Superficial geology

Figure 14.4 Bedrock geology



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Do not scale - if in doubt ask

Location Map Scale: 1:1,000,000

Legend

EIA Scoping Boundary

Preferred intake/outfall pipeline route

250m study area

Bedrock Geology (BGS 1:50k)

Amphill clay formation and Kimmeridge clay formation (undifferentiated) - mudstone

Gault formation - mudstone

Lower greensand group - sandstone

Stanford formation - limestone

Kingston formation - sandstone

Notes

There are no bedrock faults or linear features within published data for the study area.

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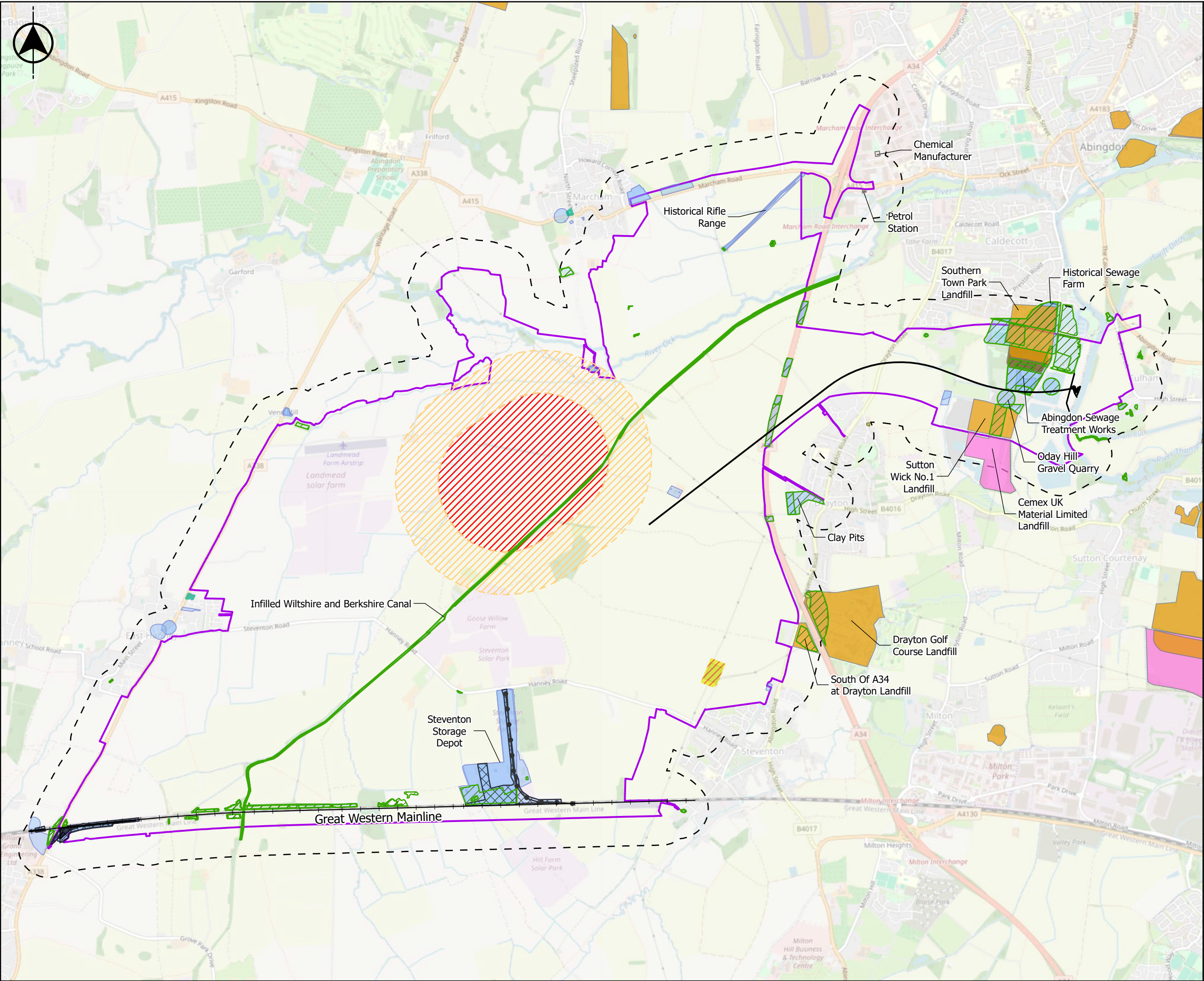
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APFP References:
N/ASecurity Reference:
PublicSite Name:
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J696 South East Strategic Reservoir Option (SESRO)Title
FIGURE 14.4
BEDROCK GEOLOGY FOR THE
GEOLOGY AND SOILS STUDY AREAScale at A3
1:30,000Sheet Size:
A3Status
A1Drawing Number
J696-AJ-A02X-ZZZZ-DR-EN-100050Rev
C01

Figure 14.5 Potential contamination

15



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0 500 1,000 Metres

Do not scale - if in doubt ask

Location Map Scale: 1:1,000,000

Legend

- EIA Scoping Boundary
- Preferred intake/outfall pipeline route
- 250m study area
- Made Ground (BGS 1:50k)
- Historical railway line
- Historical railway feature
- Historical energy feature - electricity substation
- Historical garage
- Historical industrial land use
- Historical waste site
- Surface Ground Workings
- Railway track
- Active or recent landfill
- Historical landfill

Marcham historical bombing range

- High risk of UXO
- Low risk of UXO

Note:

Figure excludes very small features such as isolated farms, sub-stations and very small areas of potential Made Ground. Main features are labelled. Current potentially contaminative land uses are not included as polygons, or in the key however they are present on the base mapping, for example solar farms and Landmead Airstrip.

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Title

FIGURE 14.5
POTENTIALLY CONTAMINATIVE LAND USES
AND LANDFILL

Scale at A3
1:30,000

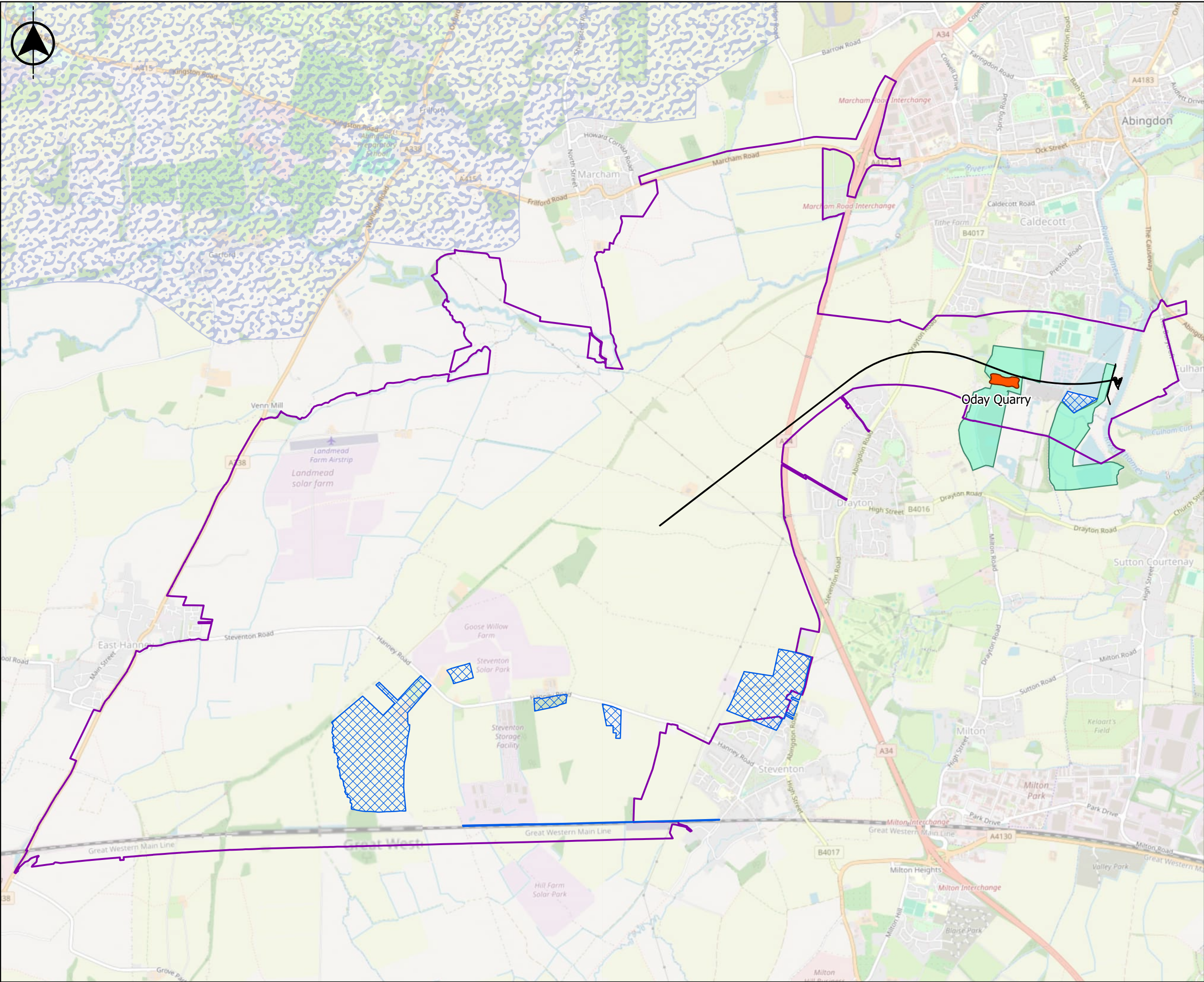
Sheet Size:
A3

Status
A1

Drawing Number
J696-AJ-A02X-ZZZZ-DR-EN-100053

Rev
C01

Figure 15.1 Mineral safeguarding sites



Do not scale - if in doubt ask

Location Map Scale: 1:2,000,000

Legend

EIA Scoping Boundary

Preferred intake/outfall pipeline route

Mineral Safeguarding Areas

Operational quarries

Allocated mineral sites

Mineral ownership rights

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APFP References:

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Title

FIGURE 15.1
MINERAL SAFEGUARDING SITES

Scale at A3

1:28,000

Sheet Size:

A3

Status

A1

Drawing Number

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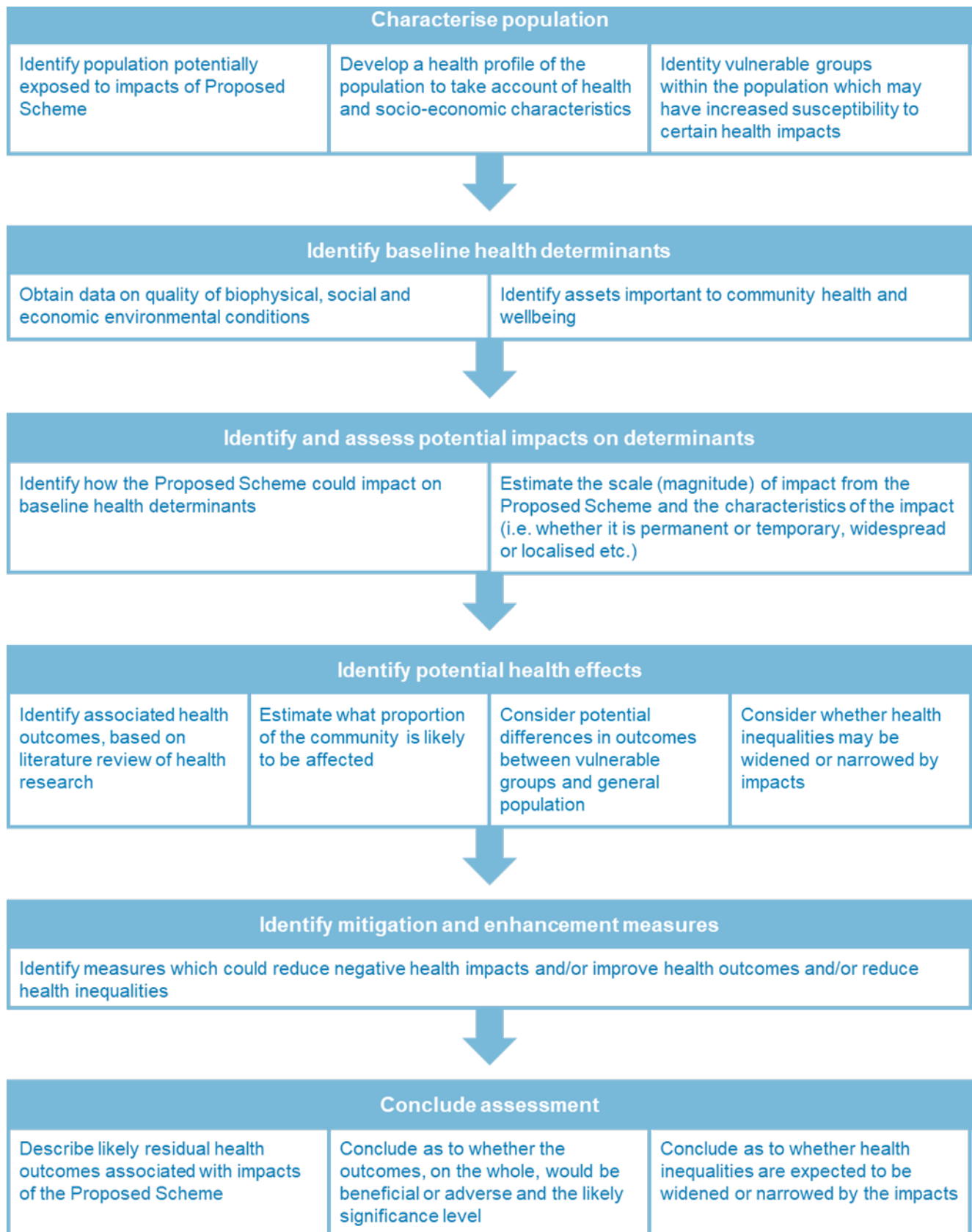
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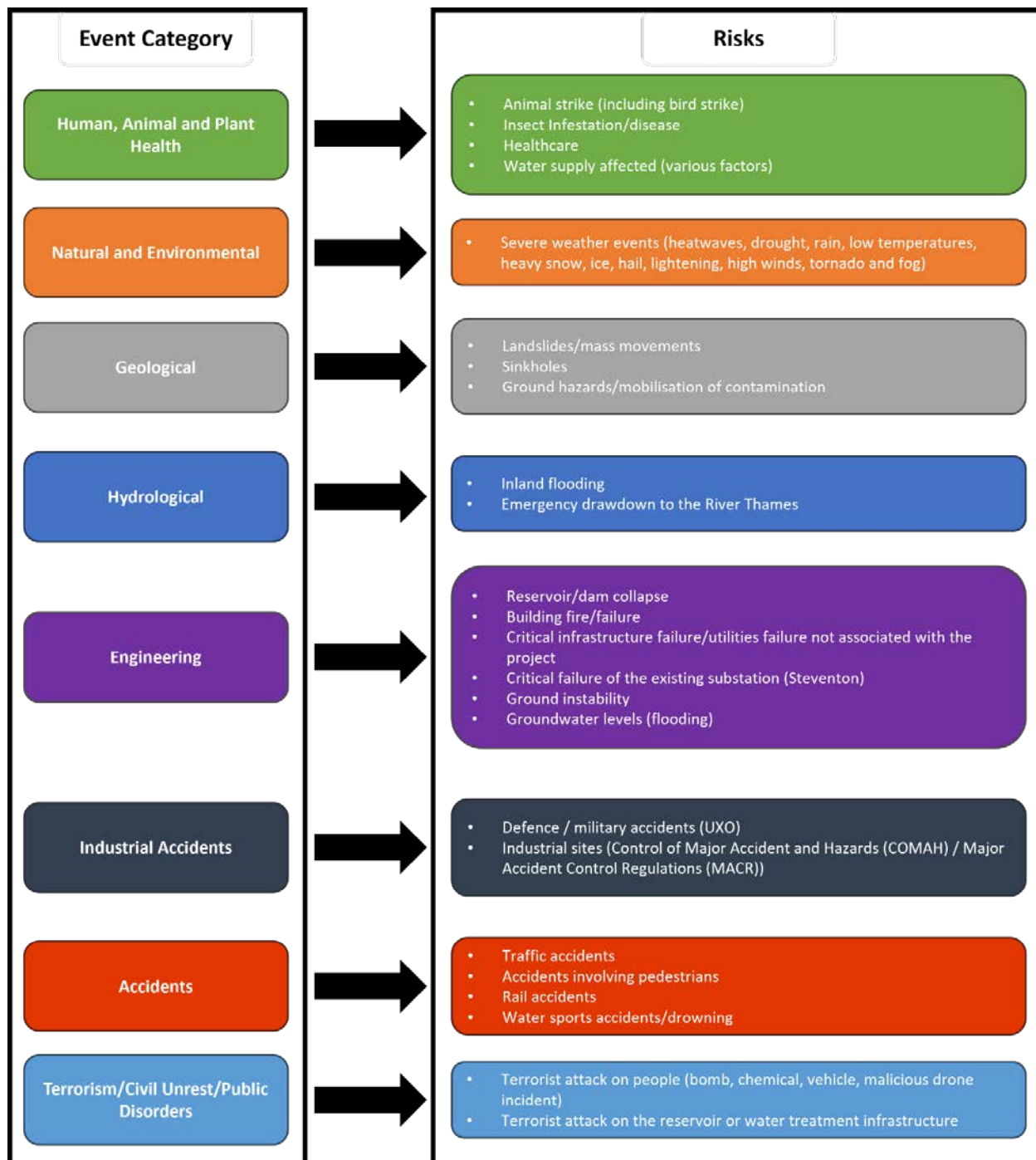


Figure 18.1 Human Health Assessment Methodology



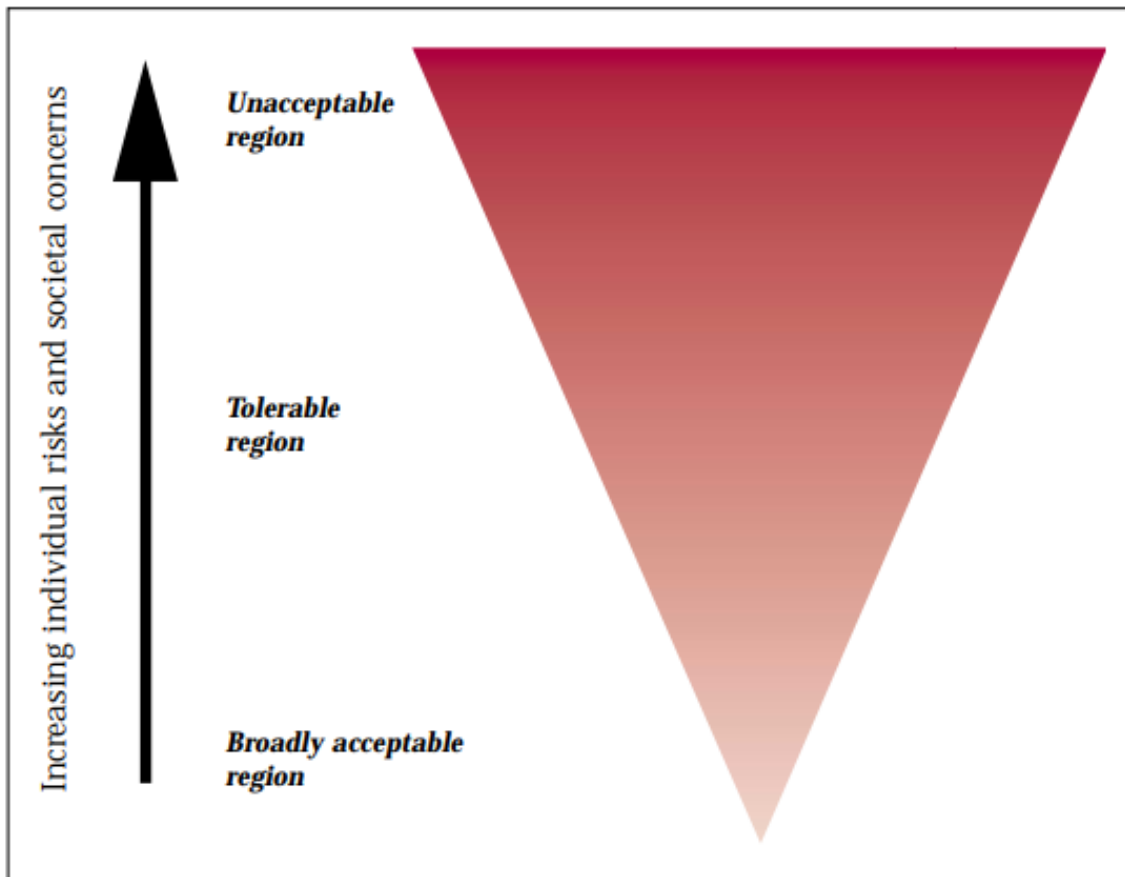
Source: Thames Water internal

Figure 19.1 Potential risks arising as a result of / or that may affect the SESRO Project



Source: Thames Water internal

Figure 19.2 HSE framework for assessing the tolerability of risks / events



Source: Figure 1 from the HSE Reducing risks, protecting people HSE's decision-making process (HSE, 2001).



It's everyone's water