

Hampshire Water Transfer and Water Recycling Project

Consultation Report

Appendix D – Consultation under EIA Regulations

2 of 5 Documents

VOLUME NUMBER: 5

PLANNING INSPECTORATE SCHEME NUMBER: WA010002

APPLICATION DOCUMENT REFERENCE: 5.1

APFP REGULATION: 5(2)(q)

May 2026

Version 0



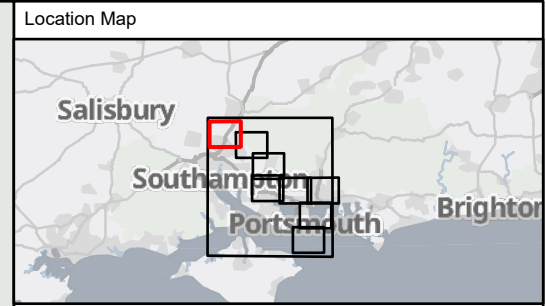
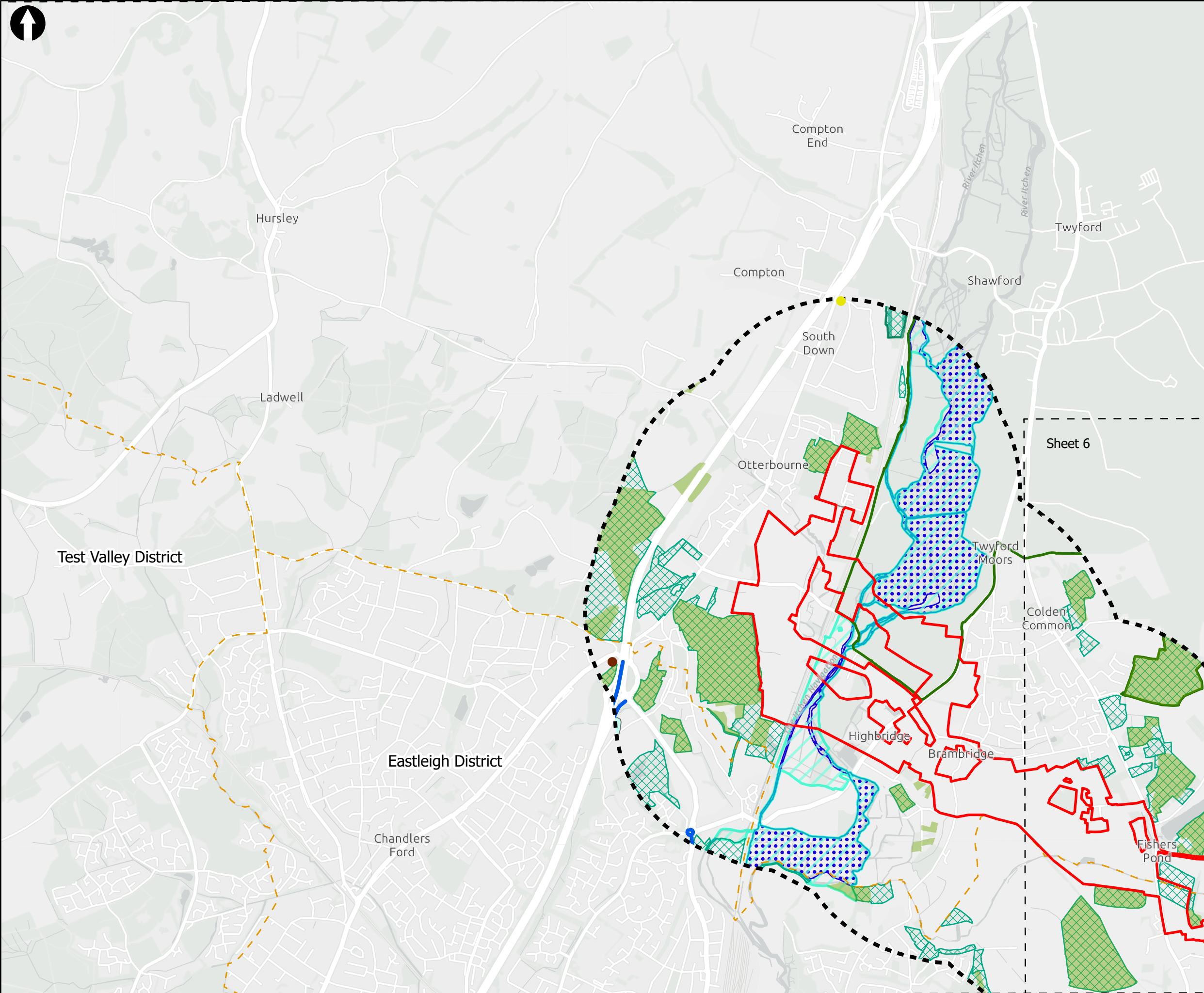
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Water** 

The Southern Water logo consists of three stylized, wavy blue lines of varying lengths, positioned to the right of the company name.

Contents

D.1 Scoping report (continued)..... 1

D.1 Scoping report (continued)



Key to Symbols



Scoping Area	20 - 30
Air Quality 1km Study Area	Designated Sites
Extent boxes 25K	Local Nature Reserve (LNR)
Otterbourne Water Supply Works	Sites of Importance for Nature Conservation (SINCs)
Local Authority Boundary	National Parks
Air Quality Management Areas	Ancient Woodland
DEFRA PCM Road side NO₂ concentrations	Special Areas of Conservation (SAC)
<40 ug/m ³	Sites of Special Scientific Interest (SSSI)
Diffusion Tubes within Study Area	
NO ₂ Annual Mean Concentration(ug/m ³)	
15 - 20	

Notes

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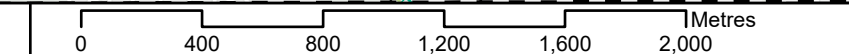
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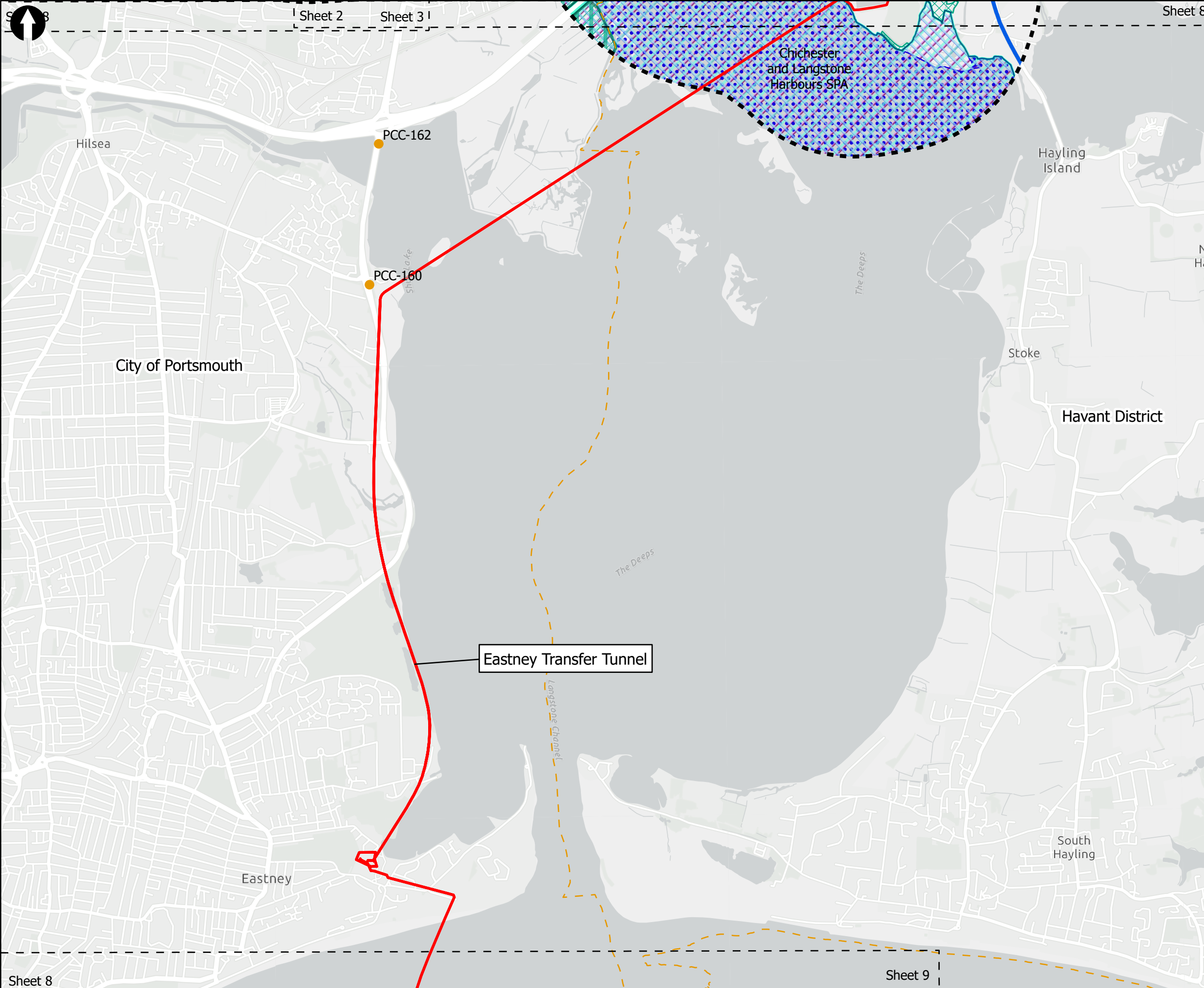
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Title
 Figure 6.1
 Air Quality 1km Study Area
 Sheet 7 of 9

Designed	ND	-	Check	SM	-
Drawn	ND	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
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Key to Symbols

Legend

- Scoping Area
- Air Quality 1km Study Area
- Extent boxes 25K
- Local Authority Boundary
- DEFRA PCM Road side NO₂ concentrations
- Diffusion Tubes within Study Area
- NO₂ Annual Mean Concentration(ug/m³)
- >39.5

Designated Sites

- Local Nature Reserve (LNR)
- Ramsar Sites
- Sites of Importance for Nature Conservation (SINCs)
- Special Protection Area (SPA)
- Special Areas of Conservation (SAC)
- Sites of Special Scientific Interest (SSSI)

Notes

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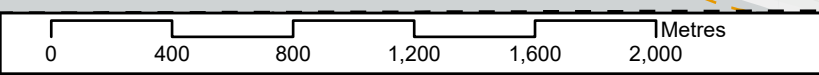
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Figure 6.1
Air Quality 1km Study Area
Sheet 8 of 9

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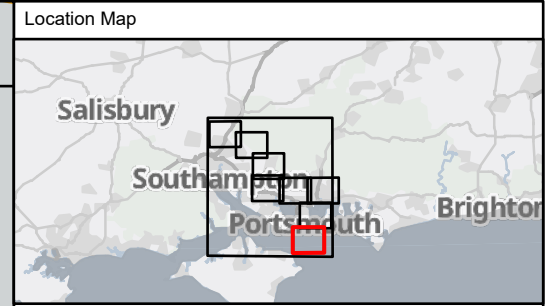




City of Portsmouth

Sheet 8

Sheet 9



Key to Symbols

Legend

- Scoping Area
- Extent boxes 25K
- Local Authority Boundary

Notes

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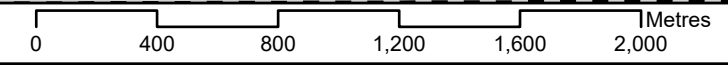


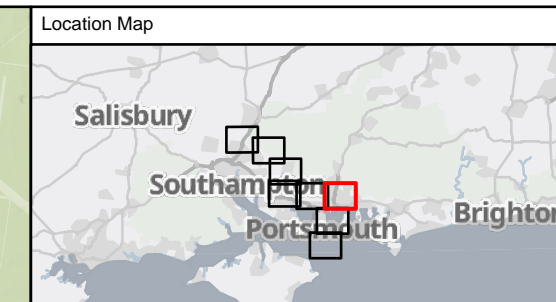
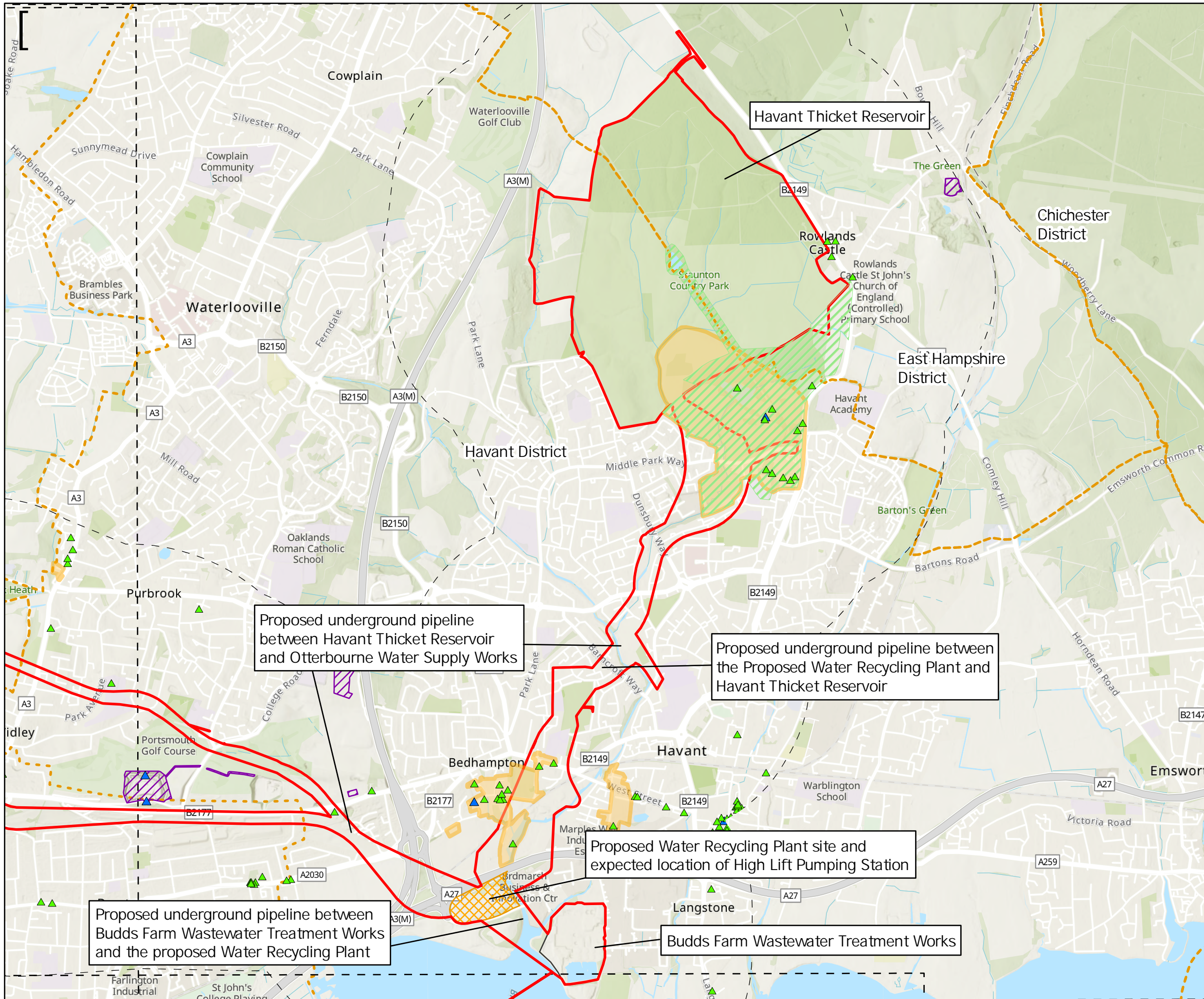

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Figure 6.1
Air Quality 1km Study Area
Sheet 9 of 9

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Eastney Long Sea Outfall





Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary
- Water Recycling Plant and High Lift Pumping Station

Designated Heritage Sites

- Conservation Area
- ▲ Grade I Listed Building
- ▲ Grade II* Listed Building
- ▲ Grade II Listed Building
- Registered Park or Garden
- Scheduled Mbument

Notes

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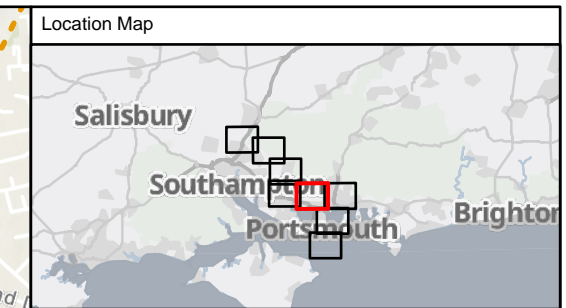
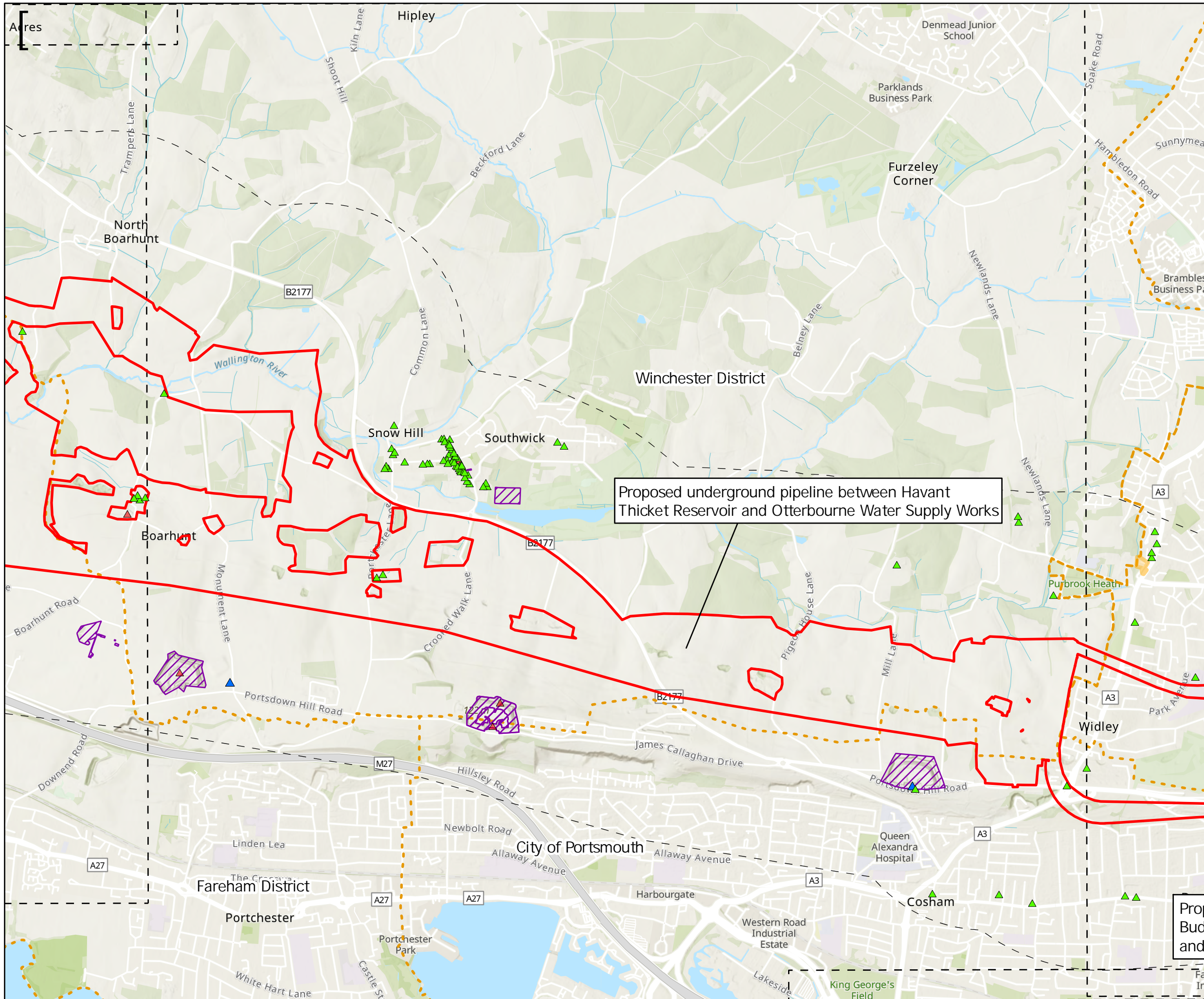
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Title
 Figure 7.1
 Designated Heritage Assets within 1km of Scoping Area
 Sheet 1 of 8

Designed	ND	-	Check	SF	JM
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Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary

Designated Heritage Sites

- Conservation Area
- Grade I Listed Building
- Grade II* Listed Building
- Grade II Listed Building
- Scheduled Mbument

Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works

Notes

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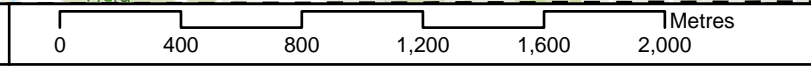
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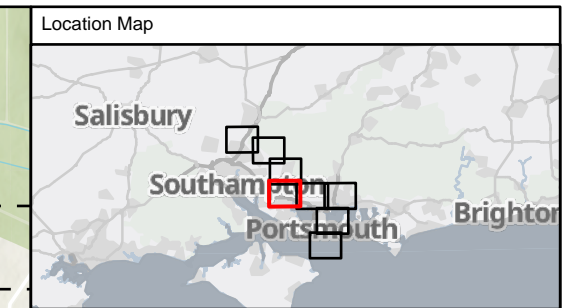
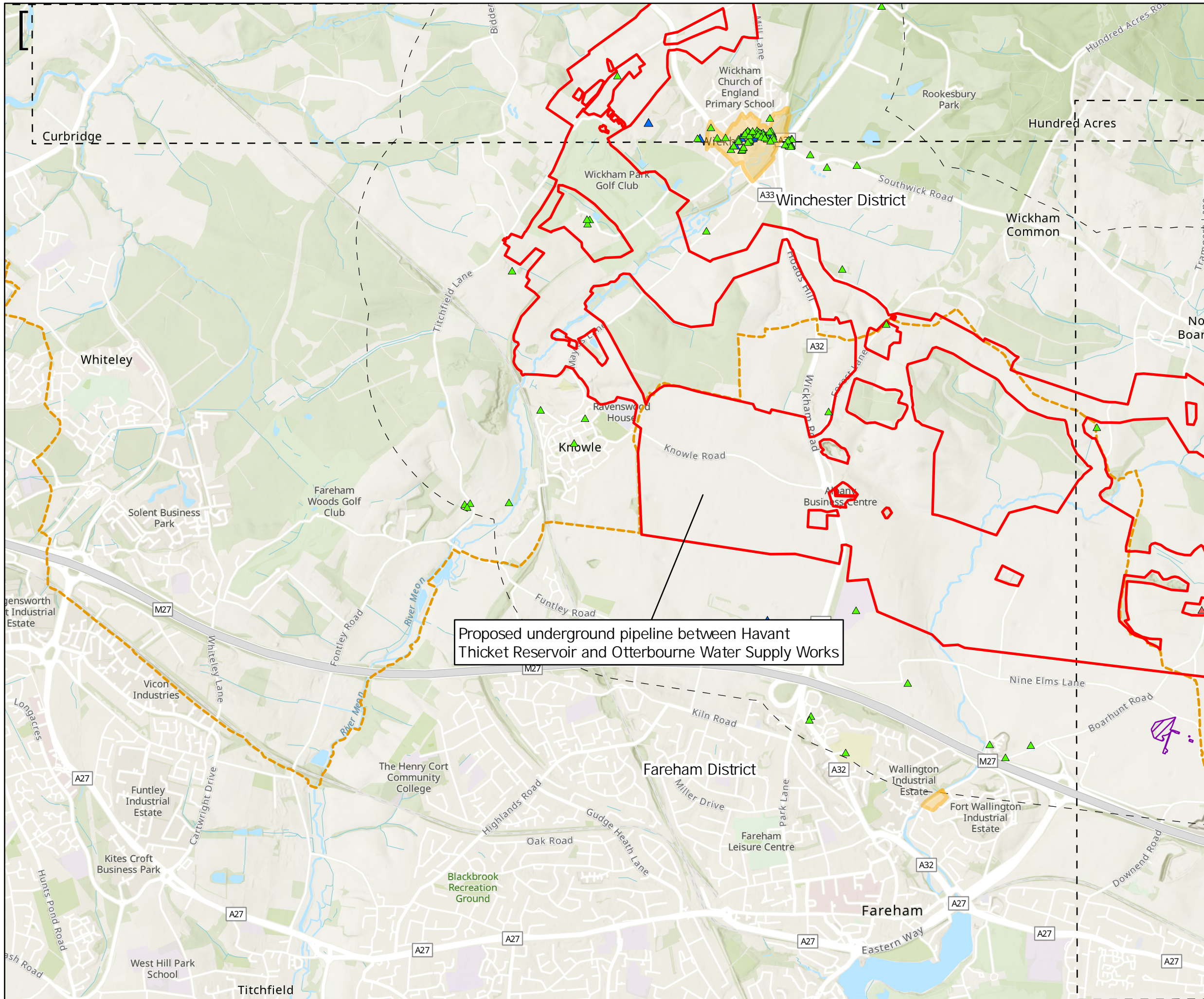
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Title
 Figure 7.1
 Designated Heritage Assets within 1km of Scoping Area
 Sheet 2 of 8

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GIS Check	GC	-	Approved	MP	JM
Scale at A3	Status	INF	Rev	02	Security
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Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary

Designated Heritage Sites

- Conservation Area
- Grade I Listed Building
- Grade II* Listed Building
- Grade II Listed Building
- Scheduled Mument

Notes

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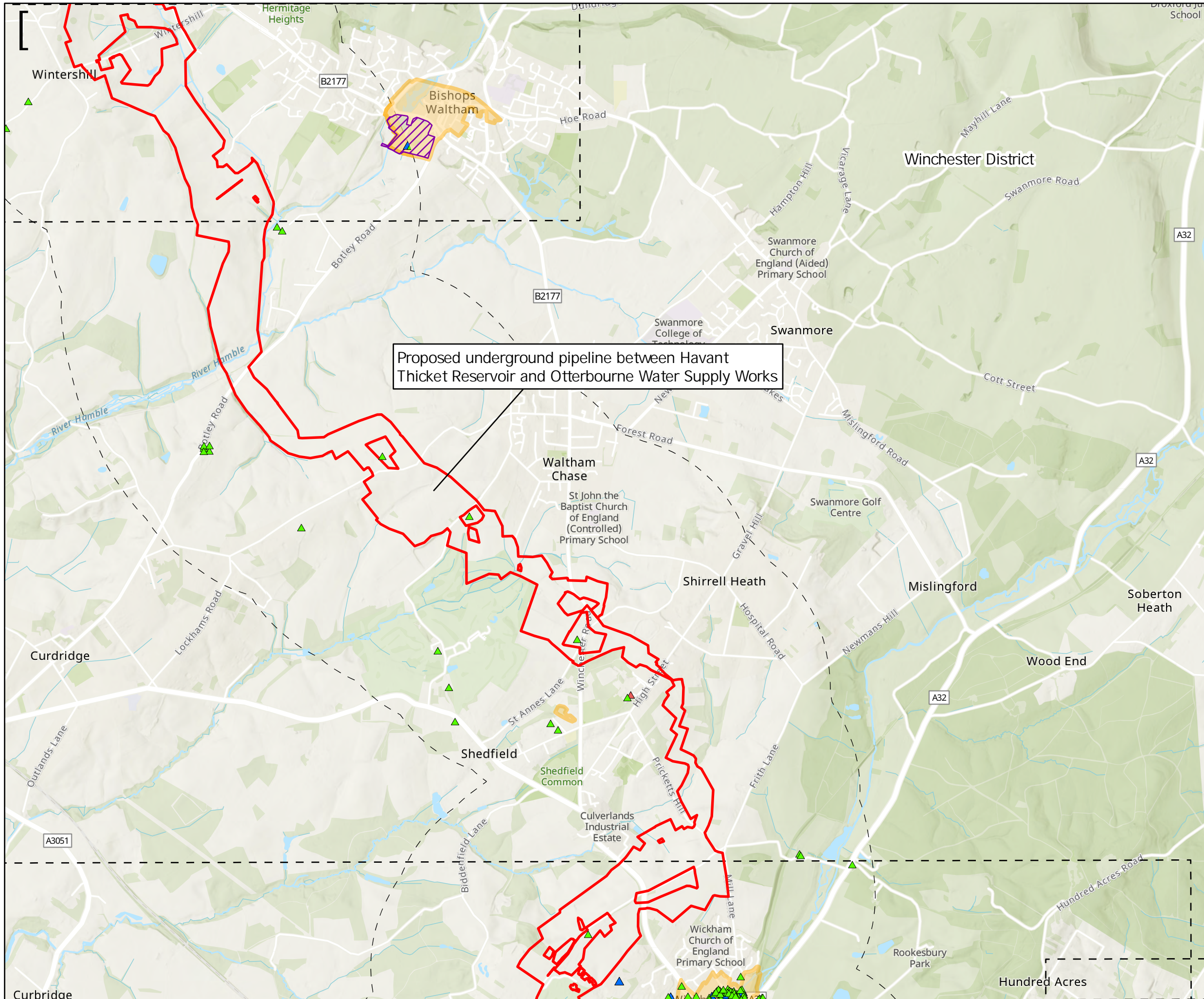
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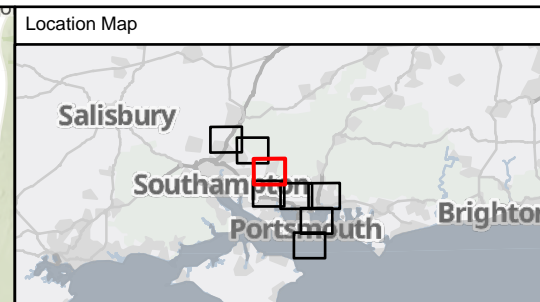
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Designated Heritage Assets within 1km of
Scoping Area
Sheet 3 of 8

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GIS Check	GC	-	Approved	MP	JM
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary

Designated Heritage Sites

- Conservation Area
- ▲ Grade I Listed Building
- ▲ Grade II* Listed Building
- ▲ Grade II Listed Building
- Scheduled Mbument

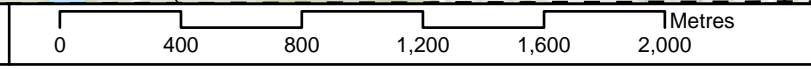
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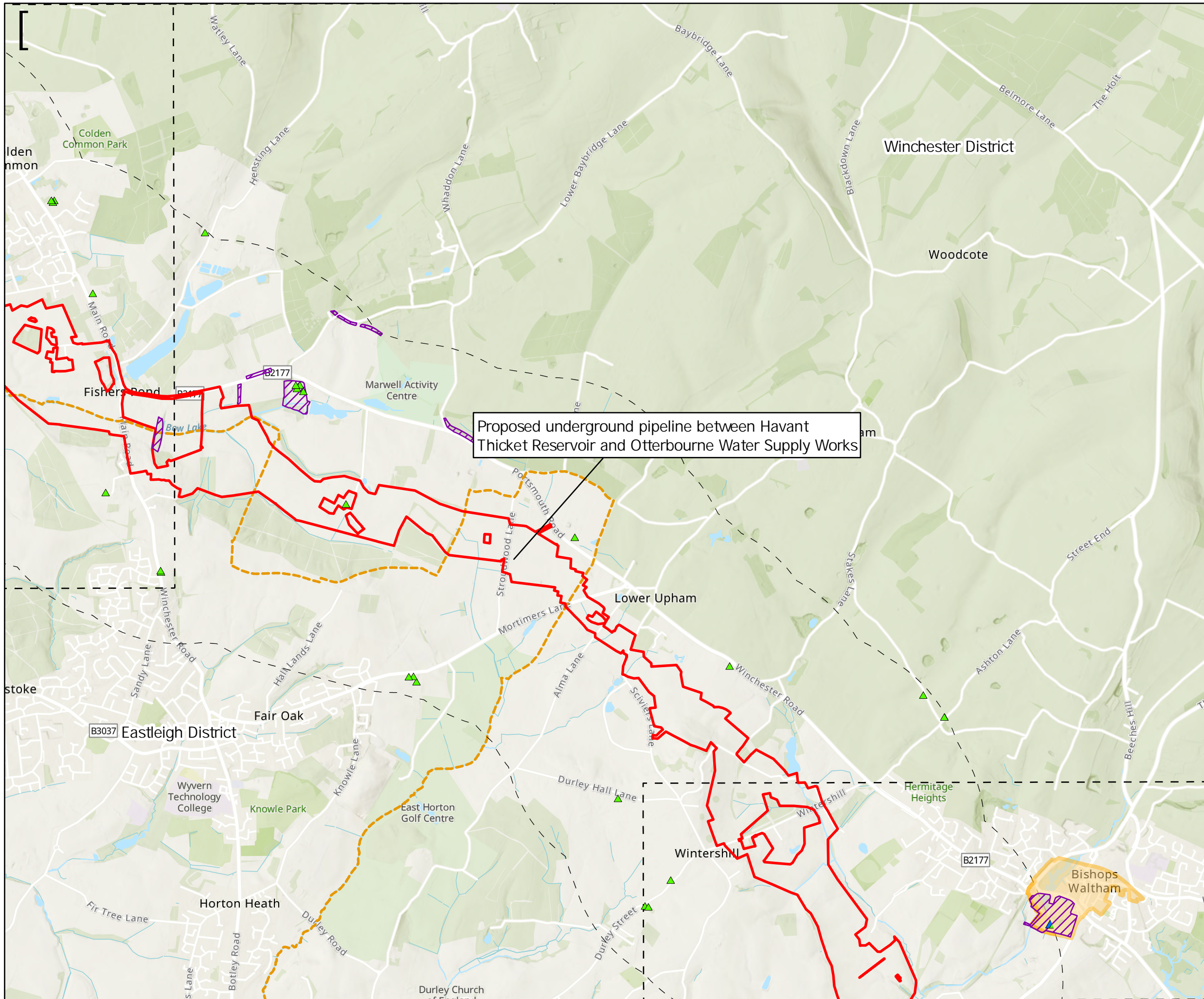
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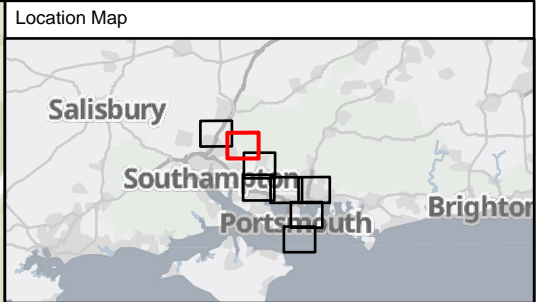
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 Designated Heritage Assets within 1km of Scoping Area
 Sheet 4 of 8

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Scale at A3	Status	INF	Rev	02	Security
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary

Designated Heritage Sites

- Conservation Area
- ▲ Grade I Listed Building
- ▲ Grade II* Listed Building
- ▲ Grade II Listed Building
- Scheduled Mbument

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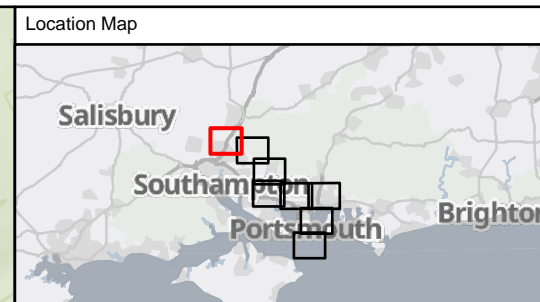
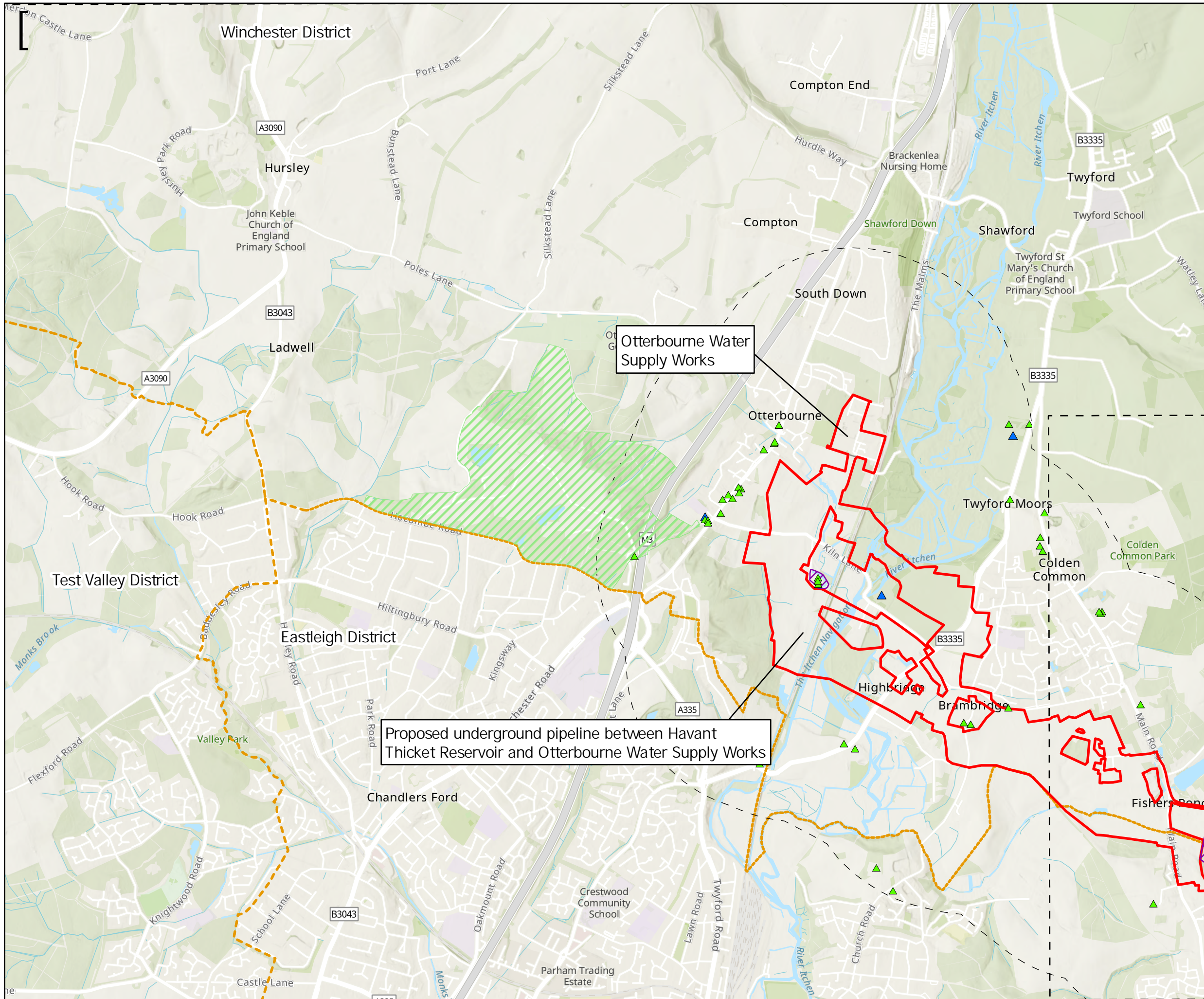
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Title
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 Designated Heritage Assets within 1km of Scoping Area
 Sheet 5 of 8

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Drawn	ND	-	Review	Core Team	JM
GIS Check	GC	-	Approved	MP	JM
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Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary
- Otterbourne Water Supply Works

Designated Heritage Sites

- Conservation Area
- ▲ Grade I Listed Building
- ▲ Grade II* Listed Building
- ▲ Grade II Listed Building
- Registered Park or Garden
- Scheduled Monument

Notes

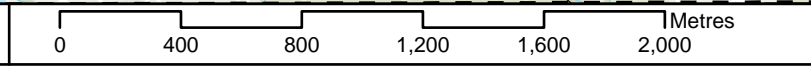
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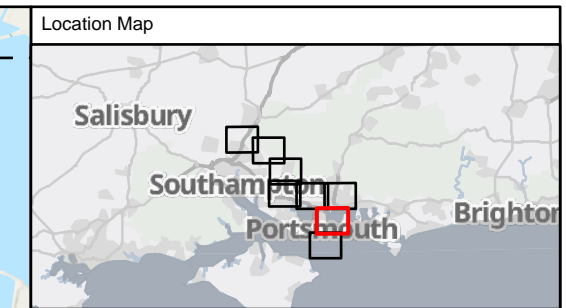
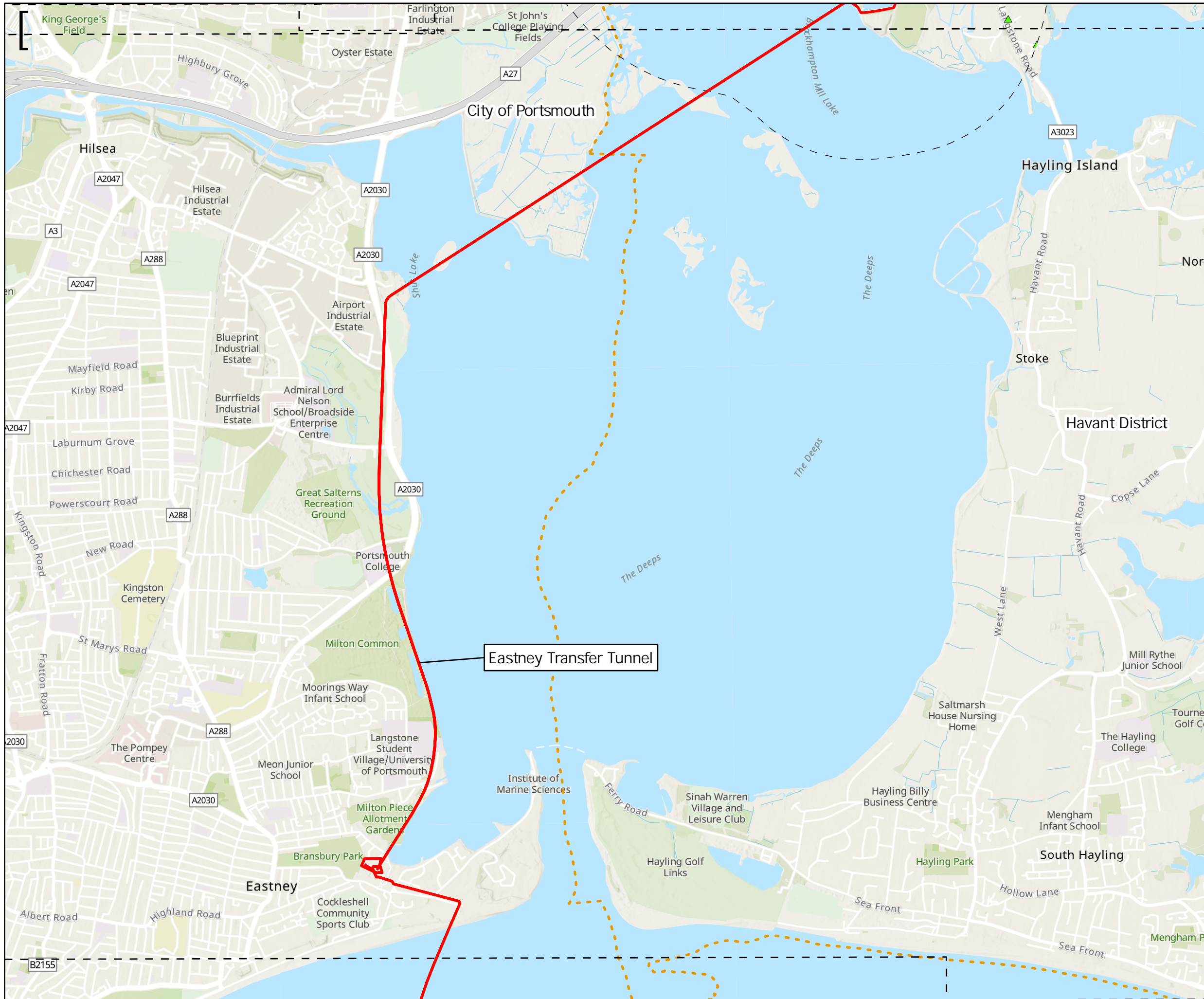
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Title
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 Designated Heritage Assets within 1km of
 Scoping Area
 Sheet 6 of 8

Designed	ND	-	Check	SF	JM
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Key to Symbols

- Scoping Area
- 1km Study Area
- Extent Boxes 25K
- District boundary
- ▲ Grade I Listed Building
- ▲ Grade II* Listed Building
- ▲ Grade II Listed Building
- Registered Park or Garden
- Scheduled Mounent

Notes

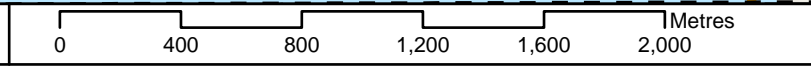
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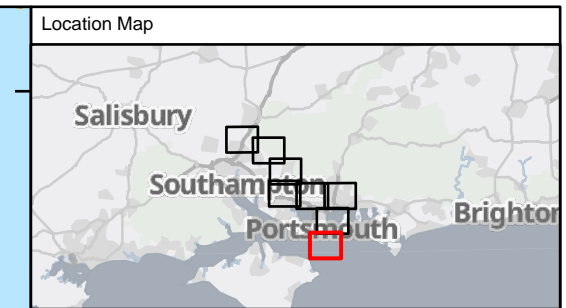
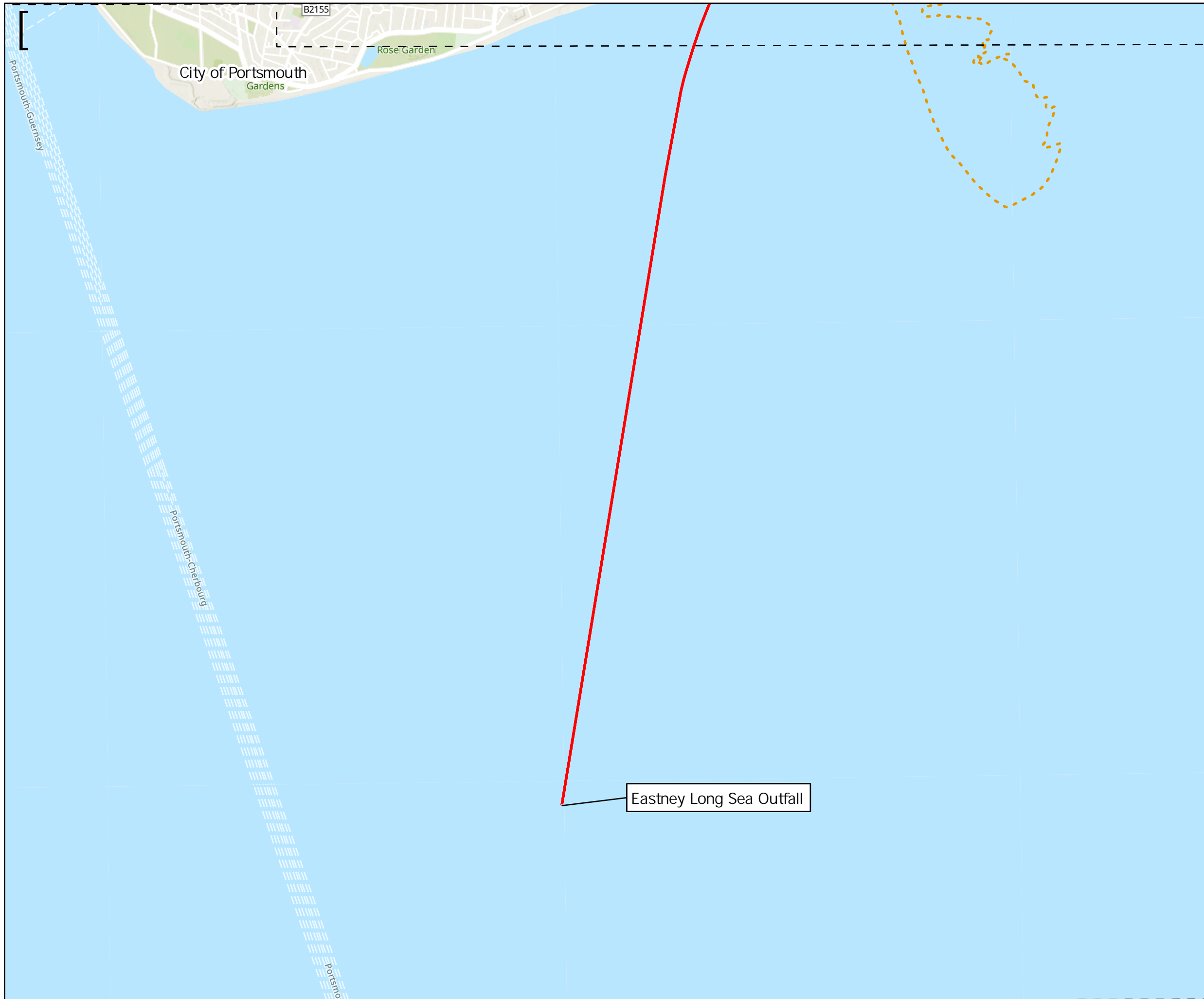
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 Figure 7.1
 Designated Heritage Assets within 1km of
 Scoping Area
 Sheet 7 of 8

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Key to Symbols

- Scoping Area
- Extent Boxes 25K
- District boundary
- ▲ Grade I Listed Building
- ▲ Grade II Listed Building
- Registered Park or Garden
- Scheduled Monument

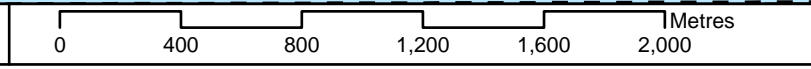
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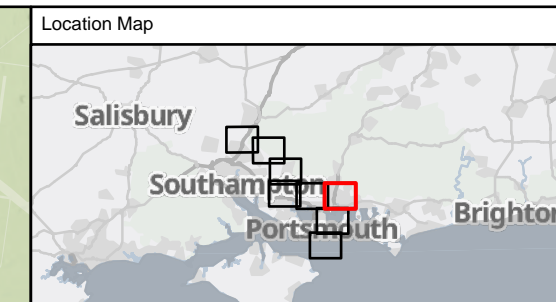
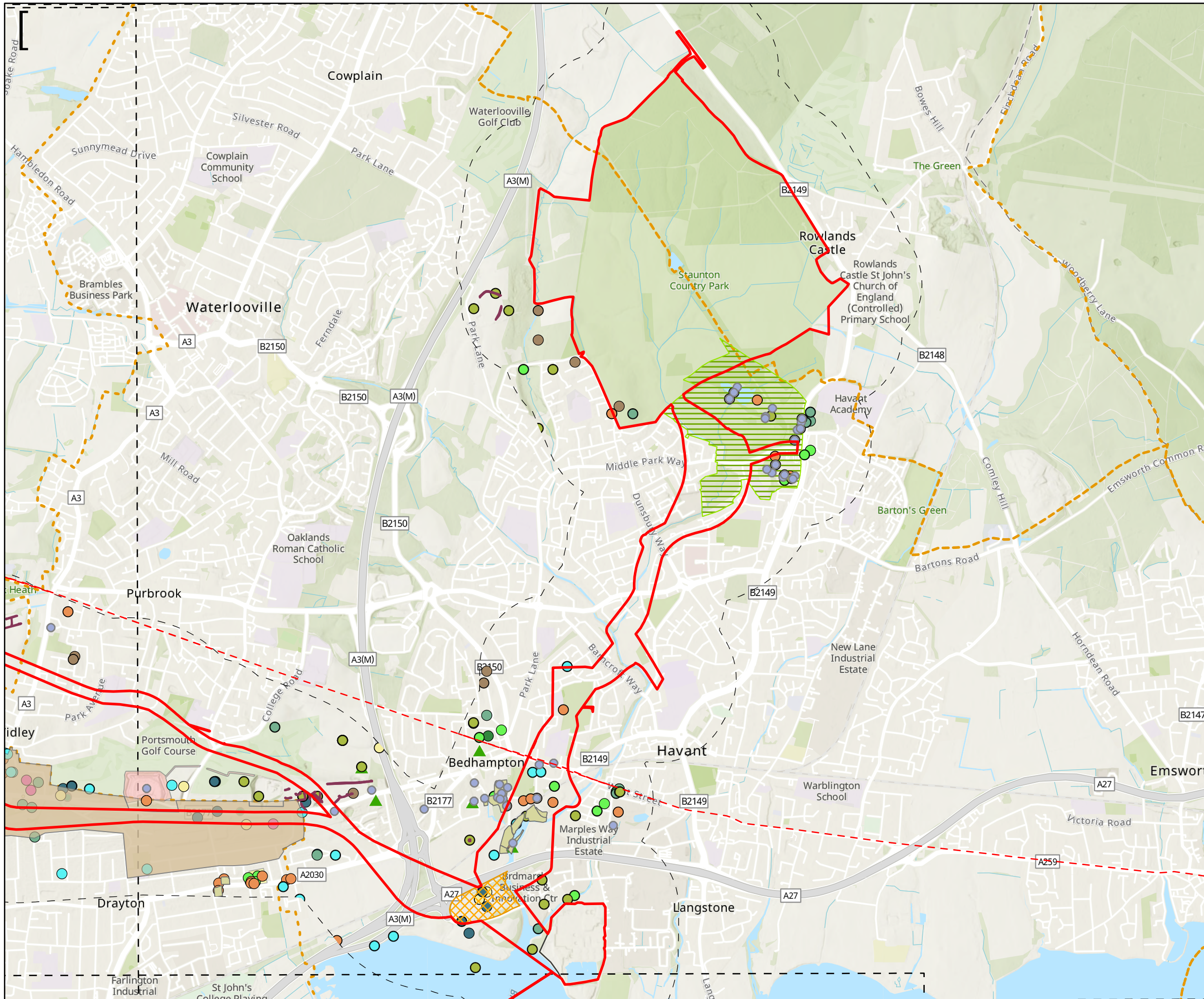
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Title
 Figure 7.1
 Designated Heritage Assets within 1km of
 Scoping Area
 Sheet 8 of 8

Designed	ND	-	Check	SF	JM
Drawn	ND	-	Review	Core Team	JM
GIS Check	GC	-	Approved	MP	JM
Scale at A3	Status	Rev	Security		
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Key to Symbols

Scoping Area	Non Designated Heritage Records
Extent boxes 25K	Bronze Age
500m Study Area	Iron Age
District boundary	Medieval
Water Recycling Plant and High Lift Pumping Station	Mesolithic
Non-Designated Heritage Records	Modern
Historic Buildings	Neolithic
Cropmarks	Palaeolithic
Roman Roads	Post-Medieval
Parks And Gardens Point	Prehistoric
Park and Gardens	Roman
Historic Rural Settlement	Undated
	Portsmouth
	Portsmouth Alert yellow
	Portsmouth Alert red
	Archaeology Restraint Areas
	Portsmouth Alert green

Notes

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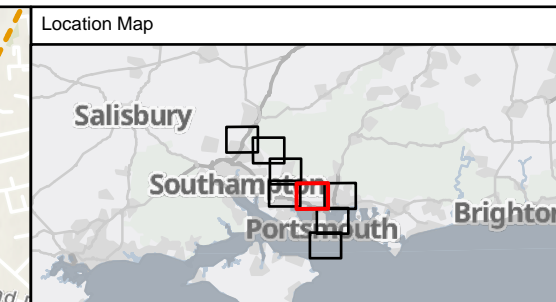
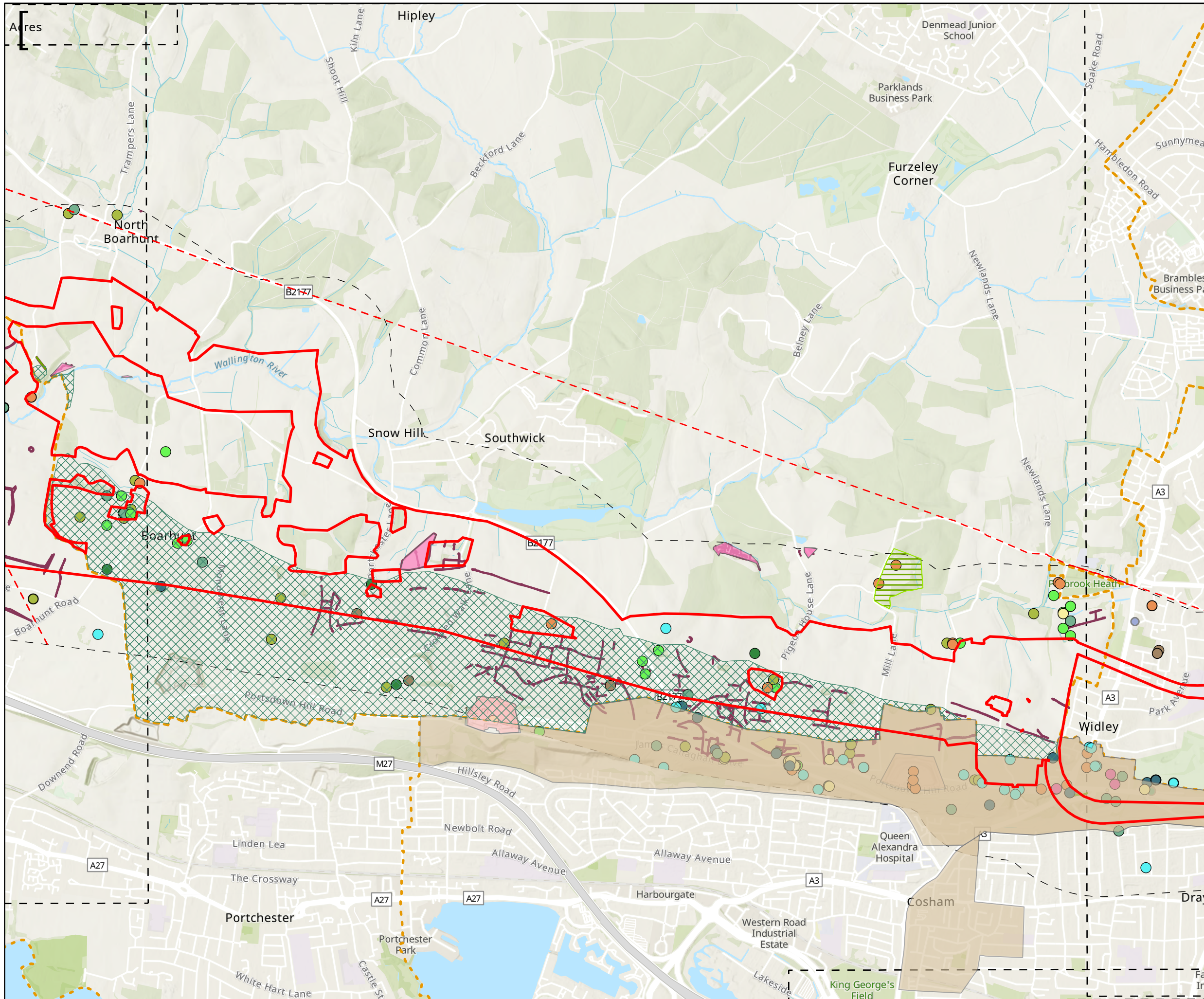
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Title
 Figure 7.2
 Non designated heritage assets within 500m of Scoping Area
 Sheet 1 of 8

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Drawn	ND	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	Rev	02	Security	STD
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Key to Symbols

- Scoping Area (Red outline)
- Extent boxes 25K (Black dashed line)
- 500m Study Area (Red dashed line)
- District boundary (Yellow dashed line)
- Non-Designated Heritage Records (Blue circle)
- Historic Buildings (Blue circle)
- Cropmarks (Purple line)
- Roman Roads (Red line)
- Park and Gardens (Green hatched area)
- Palaeolithic Predictive Model (Green grid pattern)
- Non Designated Heritage Records (Yellow circle)
- Bronze Age (Yellow circle)
- Iron Age (Dark blue circle)
- Medieval (Light green circle)
- Mesolithic (Dark green circle)
- Modern (Cyan circle)
- Neolithic (Brown circle)
- Palaeolithic (Purple circle)
- Post-Medieval (Orange circle)
- Prehistoric (Pink circle)
- Roman (Light green circle)
- Undated (Light green circle)
- Non Designated Heritage Records Polygons (Pink polygon)
- Post Medieval (Pink polygon)
- Non Designated Heritage Records Polygons (Green polygon)
- Medieval (Green polygon)
- Portsmouth (Blue circle)
- Portsmouth Alert yellow (Yellow polygon)
- Portsmouth Alert red (Red polygon)
- Archaeology Restraint Areas (Brown polygon)
- Portsmouth Alert green (Green circle)

Notes

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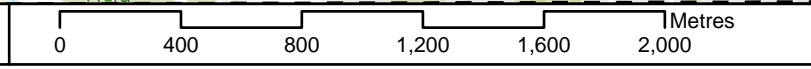
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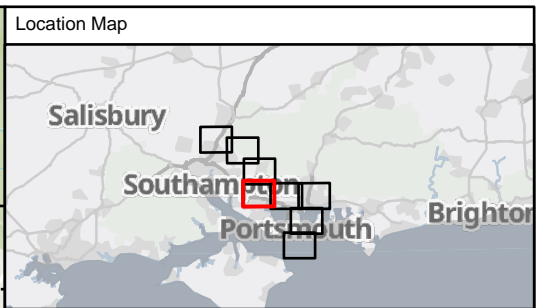
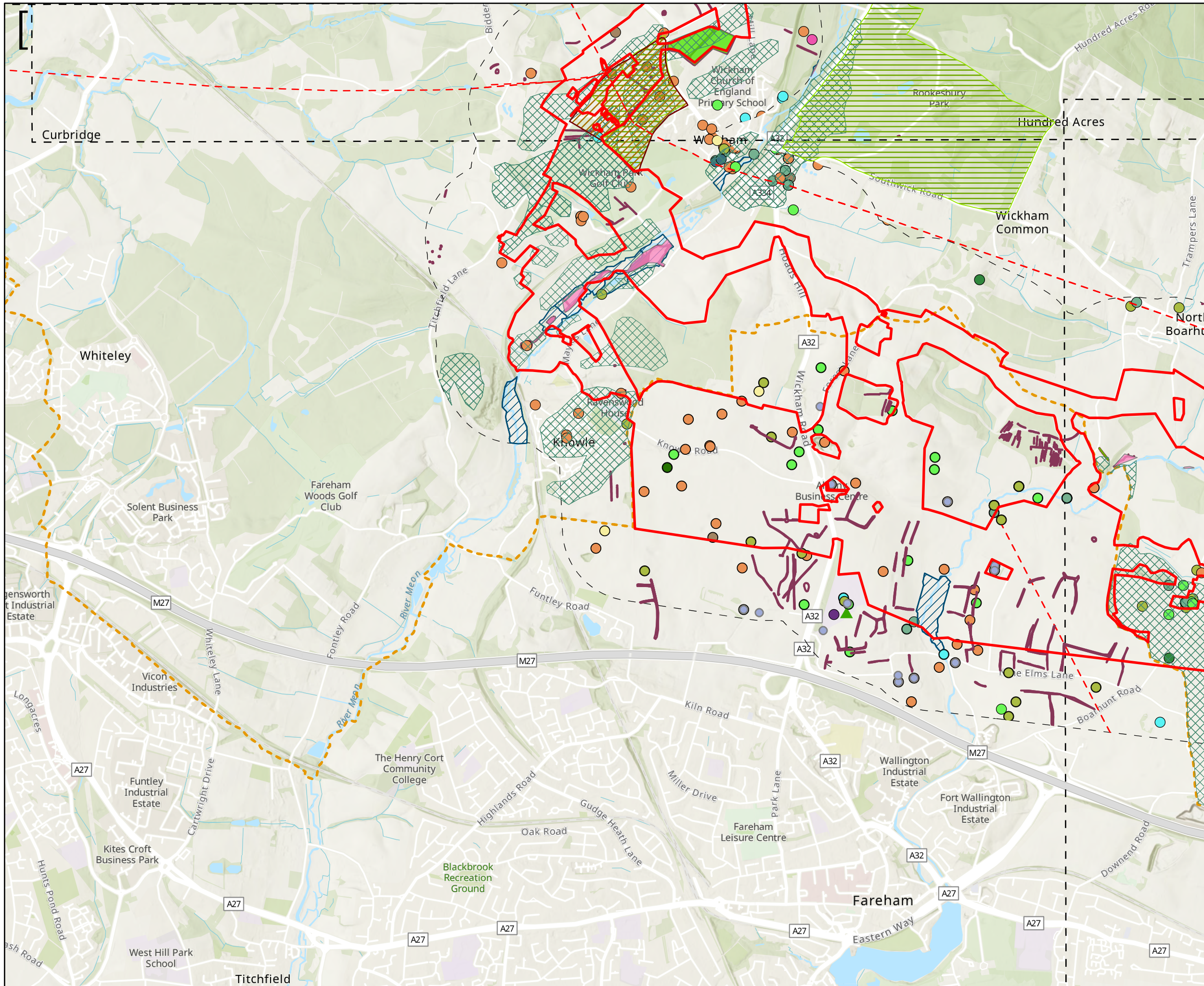
Figure 7.2
Non designated heritage assets within 500m of Scoping Area
Sheet 2 of 8

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Drawing Number
710166-SWS-XX-XX-DR-Z-00



Key to Symbols

Scoping Area	Non Designated Heritage Records - Bronze Age
Extent boxes 25K	Non Designated Heritage Records - Iron Age
500m Study Area	Non Designated Heritage Records - Medieval
District boundary	Non Designated Heritage Records - Mesolithic
Non-Designated Heritage Records - Historic Buildings	Non Designated Heritage Records - Modern
Cropmarks	Non Designated Heritage Records - Neolithic
Roman Roads	Non Designated Heritage Records - Palaeolithic
Parks And Gardens Point	Non Designated Heritage Records - Post-Medieval
Park and Gardens	Non Designated Heritage Records - Prehistoric
Historic Deer Park	Non Designated Heritage Records - Roman
Palaeolithic Predictive Model	Non Designated Heritage Records - Undated
Water Meadows	Non Designated Heritage Records Polygons - Medieval
Historic Water Meadows	Non Designated Heritage Records Polygons - Post Medieval
	Non Designated Heritage Records Polygons - Medieval

Notes

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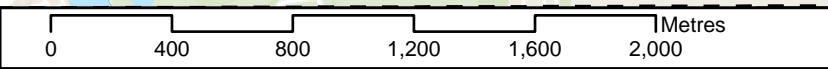
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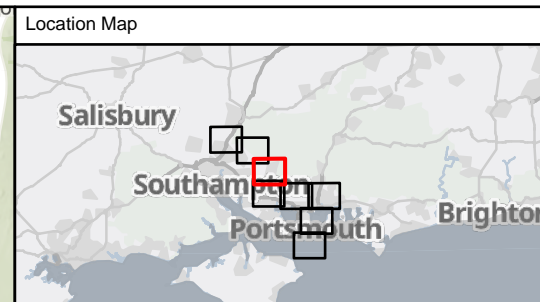
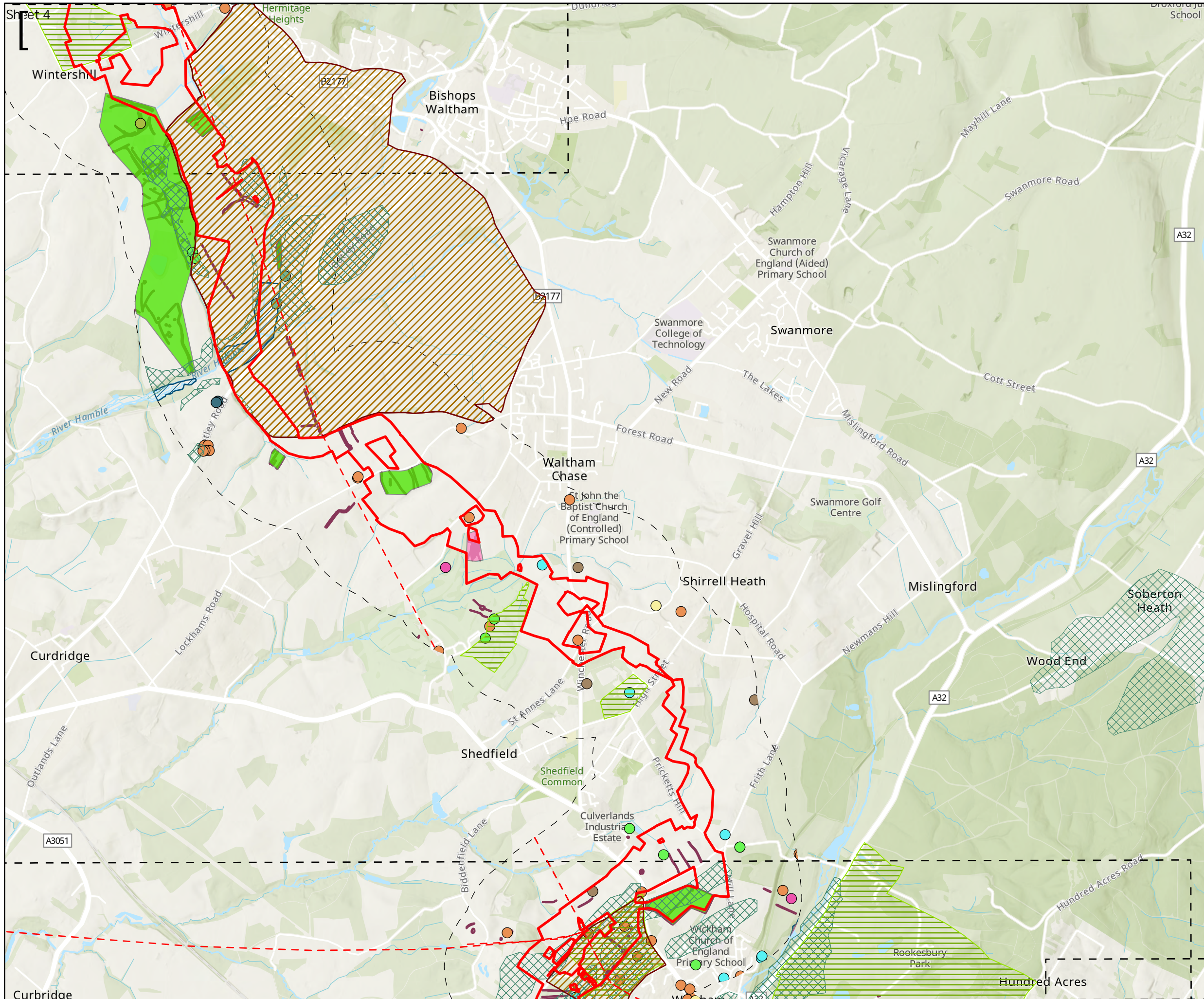
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 Figure 7.2
 Non designated heritage assets within
 500m of Scoping Area
 Sheet 3 of 8

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Drawing Number
 710166-SWS-XX-XX-DR-Z-00



Key to Symbols

Scoping Area	Bronze Age	Iron Age
Extent boxes 25K	Mesolithic	Modern
500m Study Area	Neolithic	Palaeolithic
District boundary	Post-Medieval	Prehistoric
Roman Roads	Roman	Undated
Park and Gardens	Non Designated Heritage Records Polygons	
Historic Deer Park	Medieval	
Palaeolithic Predictive Model	Post Medieval	
Historic Water Meadows		

Notes

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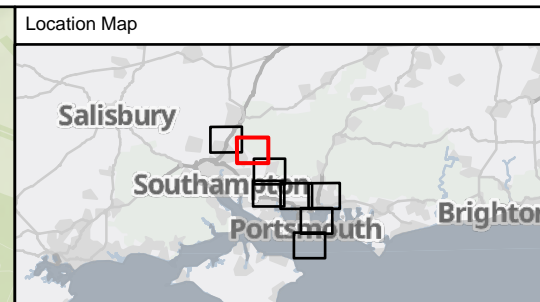
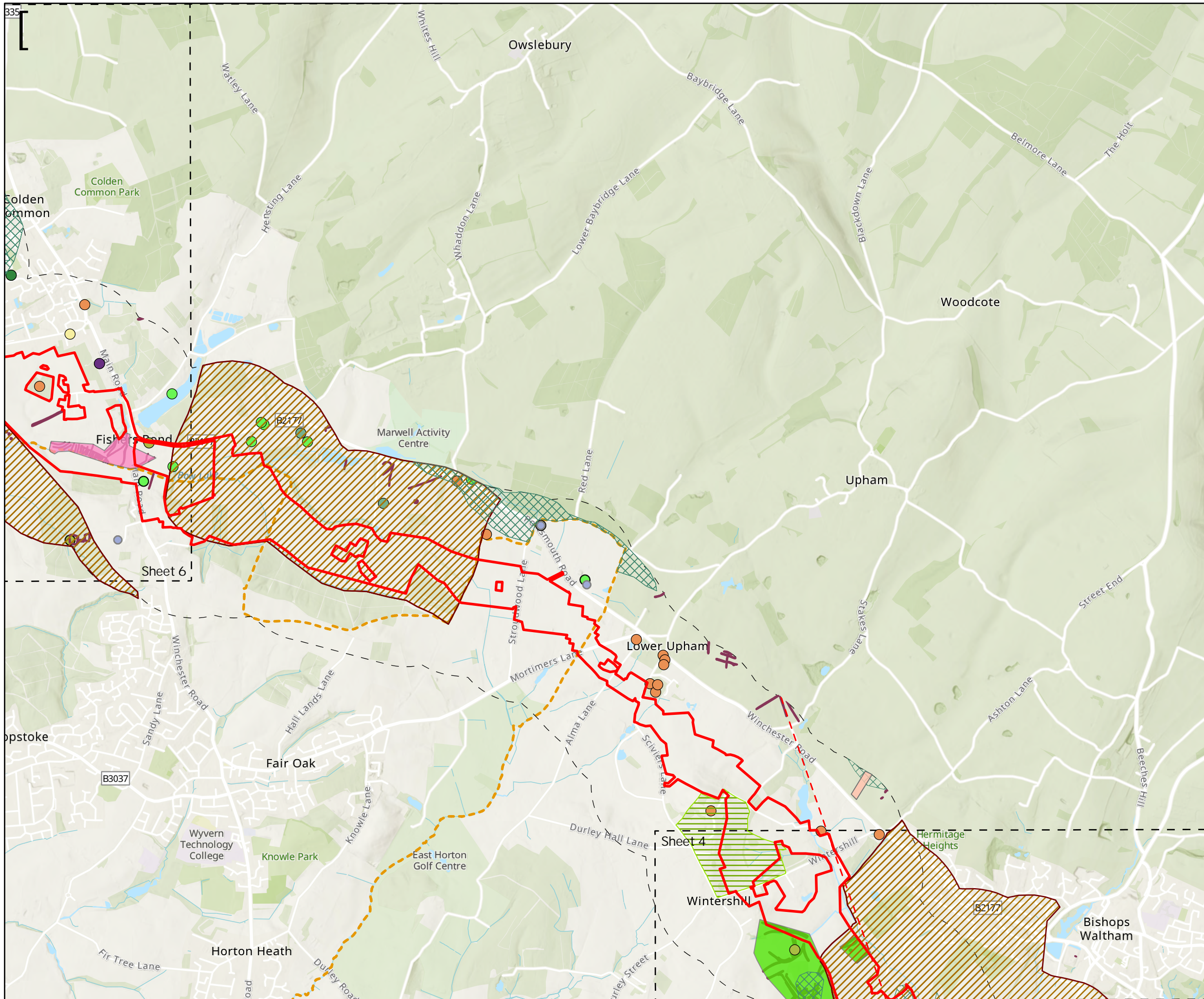
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Title
 Figure 7.2
 Non designated heritage assets within 500m of Scoping Area
 Sheet 4 of 8

Designed	ND	-	Check	SF	-
Drawn	ND	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	INF	Rev	02	Security
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Key to Symbols

Scoping Area	Non Designated Heritage Records
Extent boxes 25K	Bronze Age
500m Study Area	Iron Age
District boundary	Medieval
Non-Designated Heritage Records	Mesolithic
Historic Buildings	Modern
Cropmarks	Neolithic
Park and Gardens	Palaeolithic
Historic Deer Park	Post-Medieval
Palaeolithic Predictive Model	Prehistoric
	Roman
	Undated
	Non Designated Heritage Records Polygons
	Medieval
	Mesolithic
	Post Medieval

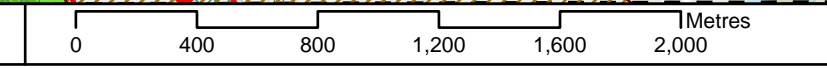
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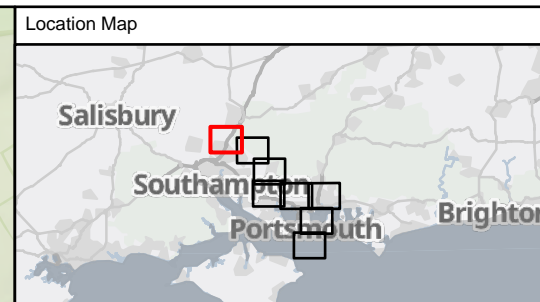
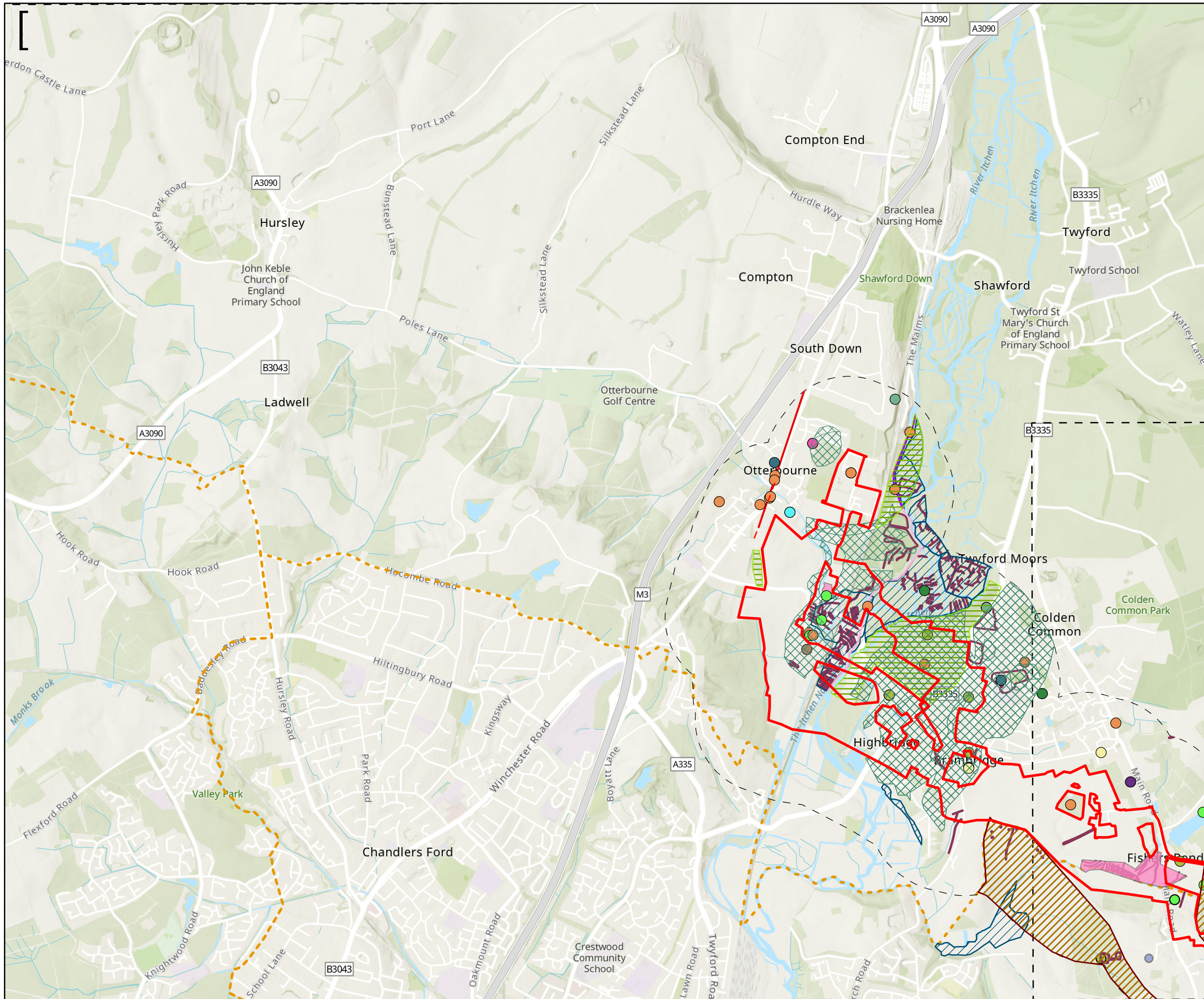
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Title
 Figure 7.2
 Non designated heritage assets within 500m of Scoping Area
 Sheet 5 of 8

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GIS Check	GC	-	Approved	MP	-
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Key to Symbols

Scoping Area	Non Designated Heritage Records - Bronze Age
Extent boxes 25K	Non Designated Heritage Records - Iron Age
500m Study Area	Non Designated Heritage Records - Medieval
District boundary	Non Designated Heritage Records - Mesolithic
Non-Designated Heritage Records	Non Designated Heritage Records - Modern
Historic Buildings	Non Designated Heritage Records - Neolithic
Cropmarks	Non Designated Heritage Records - Palaeolithic
Park and Gardens	Non Designated Heritage Records - Post-Medieval
Historic Deer Park	Non Designated Heritage Records - Prehistoric
Palaeolithic Predictive Model	Non Designated Heritage Records - Roman
Water Meadows	Non Designated Heritage Records - Undated
Historic Water Meadows	Non Designated Heritage Records Polygons
	Post Medieval
	Non Designated Heritage Records Polylines
	Post Medieval
	Post-Medieval
	Roman

Notes
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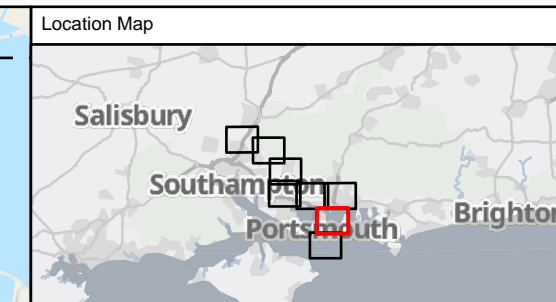
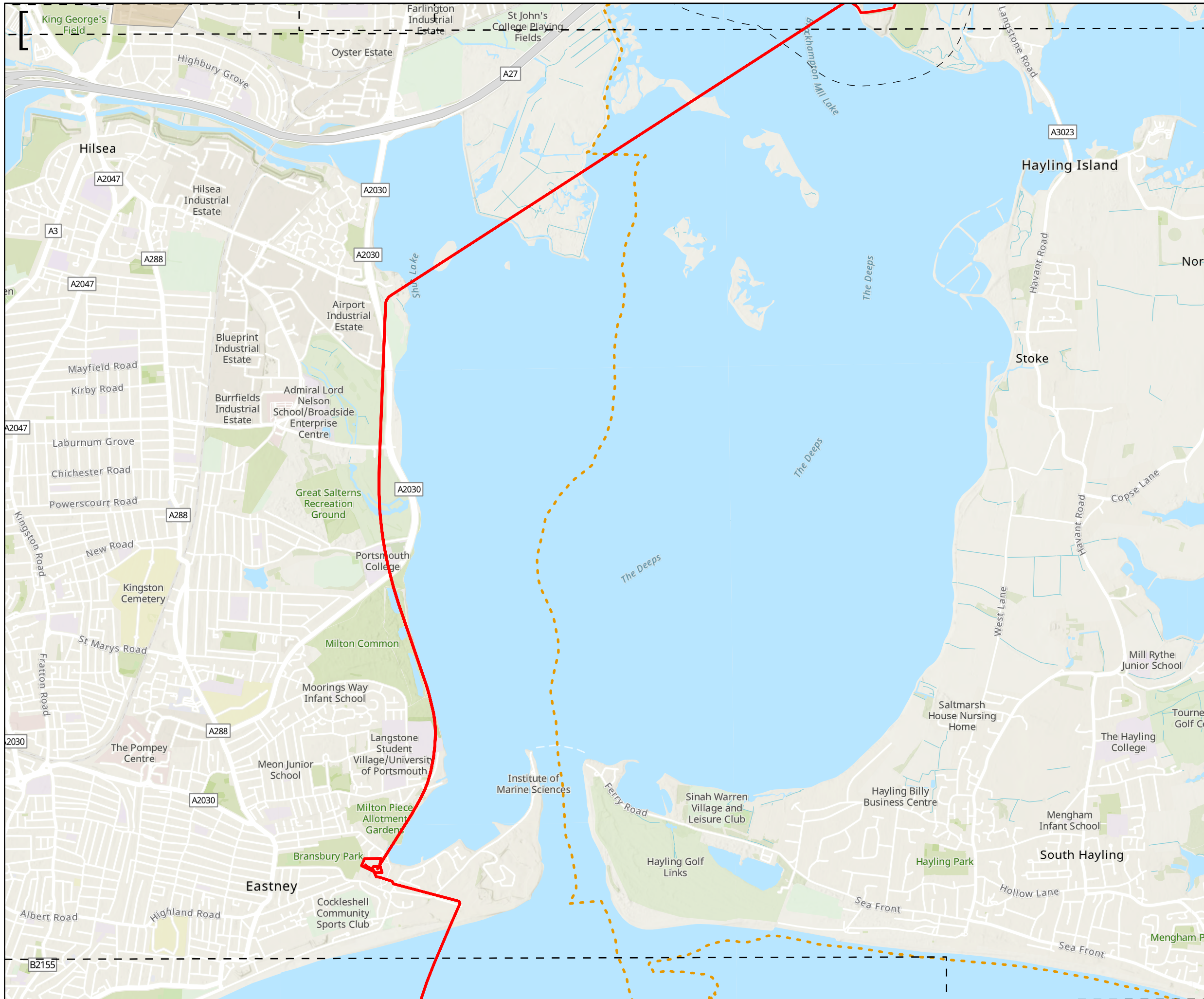
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Title
 Figure 7.2
 Non designated heritage assets within 500m of Scoping Area
 Sheet 6 of 8

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GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	INF	Rev	02	Security
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Key to Symbols

Scoping Area	Non Designated Heritage Records
Extent boxes 25K	Bronze Age
500m Study Area	Iron Age
District boundary	Medieval
	Mesolithic
	Modern
	Neolithic
	Palaeolithic
	Post-Medieval
	Prehistoric
	Roman
	Undated

Notes

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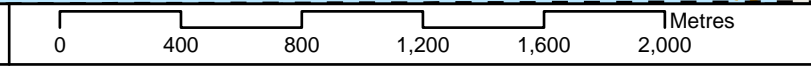
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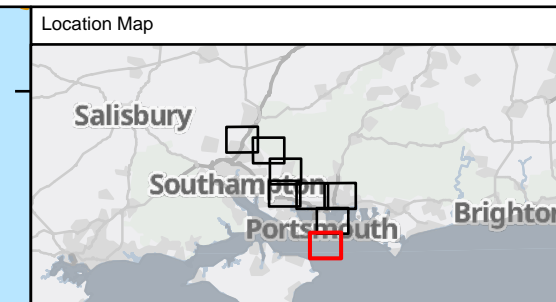
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Title
 Figure 7.2
 Non designated heritage assets within 500m of Scoping Area
 Sheet 7 of 8

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Key to Symbols

Scoping Area	Non Designated Heritage Records
Extent boxes 25K	Bronze Age
500m Study Area	Iron Age
District boundary	Medieval
	Mesolithic
	Modern
	Neolithic
	Palaeolithic
	Post-Medieval
	Prehistoric
	Roman
	Undated

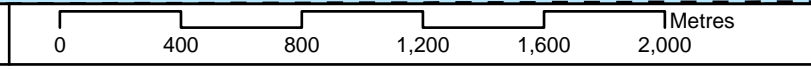
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Title
 Figure 7.2
 Non designated heritage assets within 500m of Scoping Area
 Sheet 8 of 8

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GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	Rev	Security		
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from
Southern
Water. 

The Southern Water logo graphic consists of three stylized, white, wavy lines that resemble water waves, positioned to the right of the word 'Water'.

Hampshire Water Recycling & Water Transfer Project EIA Scoping Report – Volume III Figures Part 2 of 5

VOLUME NUMBER: III

DOCUMENT REFERENCE: 208102-ARU-EGN-XX-DR-L-00002

July 2023 | Issue Rev 01 | The Infrastructure Planning (Environmental Impact Assessment (EIA)) Regulations 2017

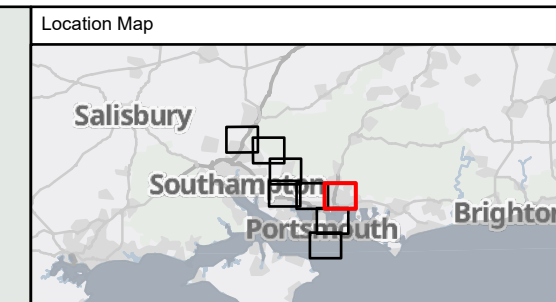
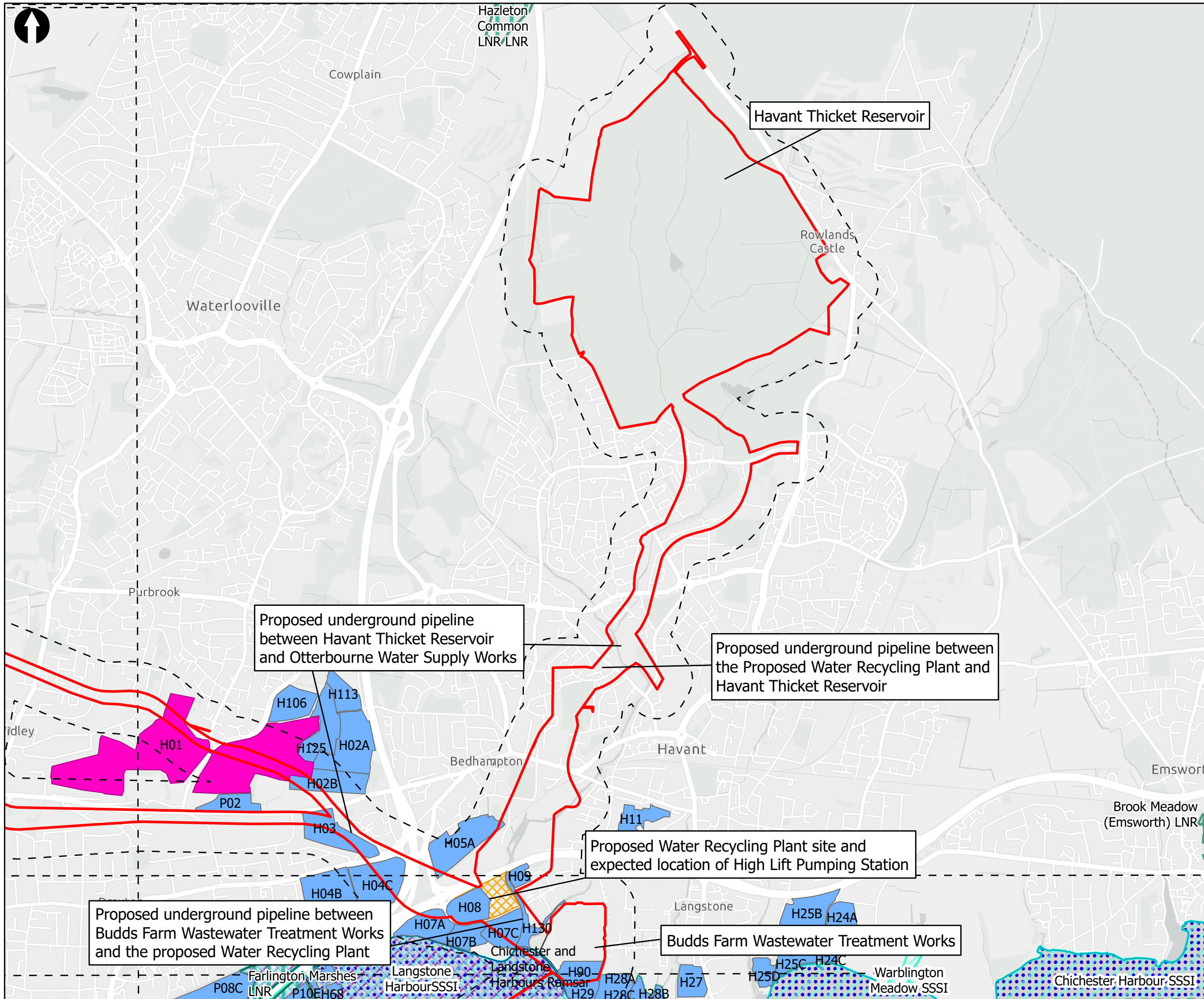


from
**Southern
Water** 

The Southern Water logo consists of the words 'Southern' and 'Water' stacked vertically in a dark blue, sans-serif font. To the right of the word 'Water' is a graphic element consisting of three stylized, wavy lines in shades of blue, representing water.

Contents

EIA Scoping Report Volume 3 Part 2 of 5 – Figures 8.1 to 11.6



Key to Symbols

Scoping Area	Ramsar Sites
Water Recycling Plant and High Lift Pumping Station	Sites of Special Scientific Interest (SSSI)
200m Study Area	Special Protection Area (SPA)
Budds Farm Wastewater Treatment Works	Special Areas of Conservation (SAC)
Statutory Designated Sites	Brent Goose Sites (2002)
Local Nature Reserve (LNR)	Solent Waders and Brent Goose Strategy

Notes

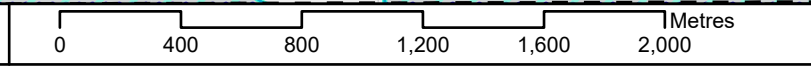
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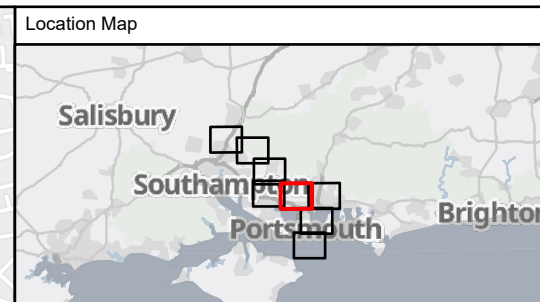
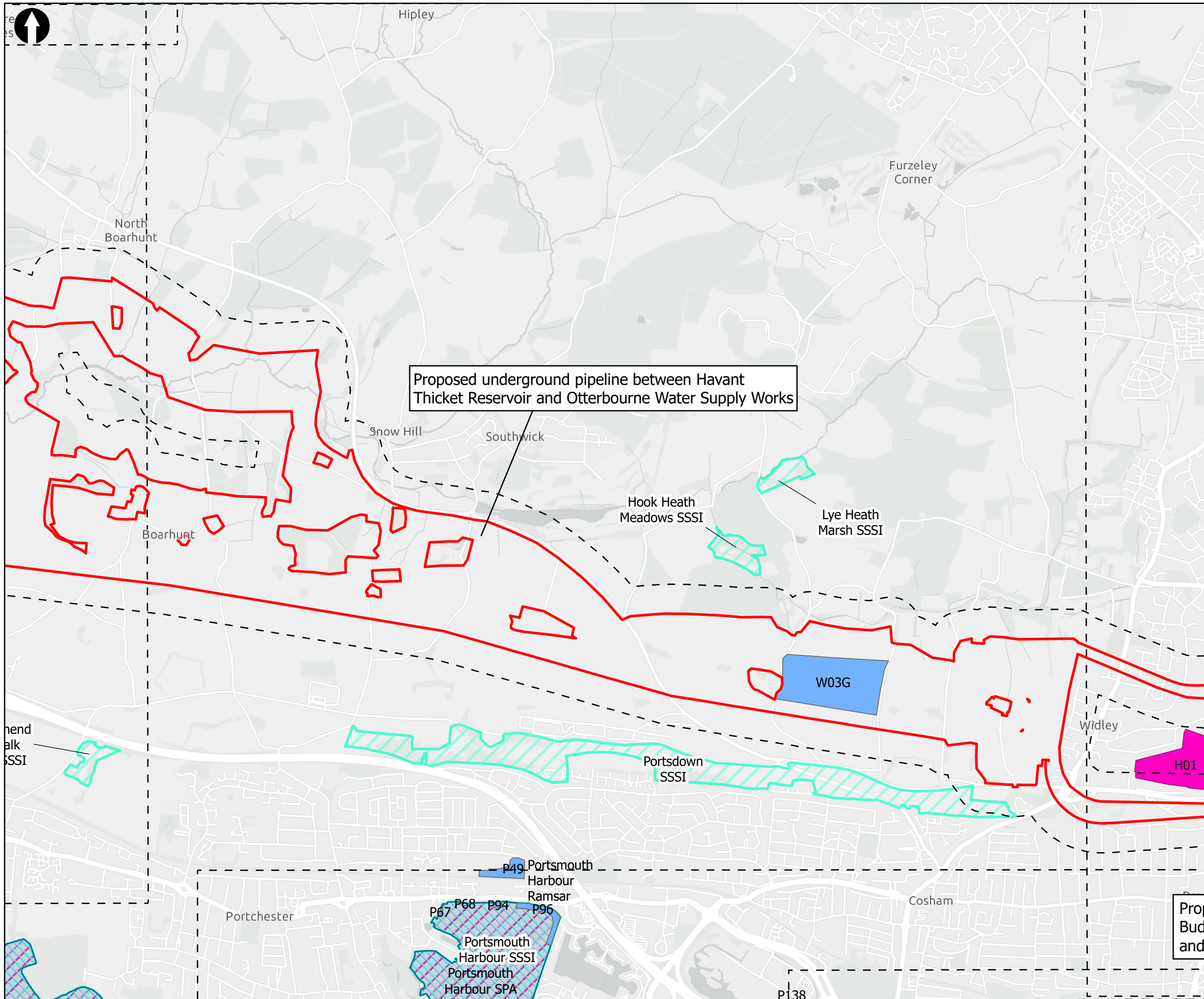
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Statutory Designated Sites
Sheet 1 of 9

Designed	N/A	-	Check	SW	-
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GIS Check	GC	-	Approved	MP	-
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Key to Symbols

Scoping Area	Special Areas of Conservation (SAC)
200m Study Area	Brent Goose Sites (2002)
Ramsar Sites	Solent Waders and Brent Goose Strategy
Sites of Special Scientific Interest (SSSI)	Special Protection Area (SPA)

Notes

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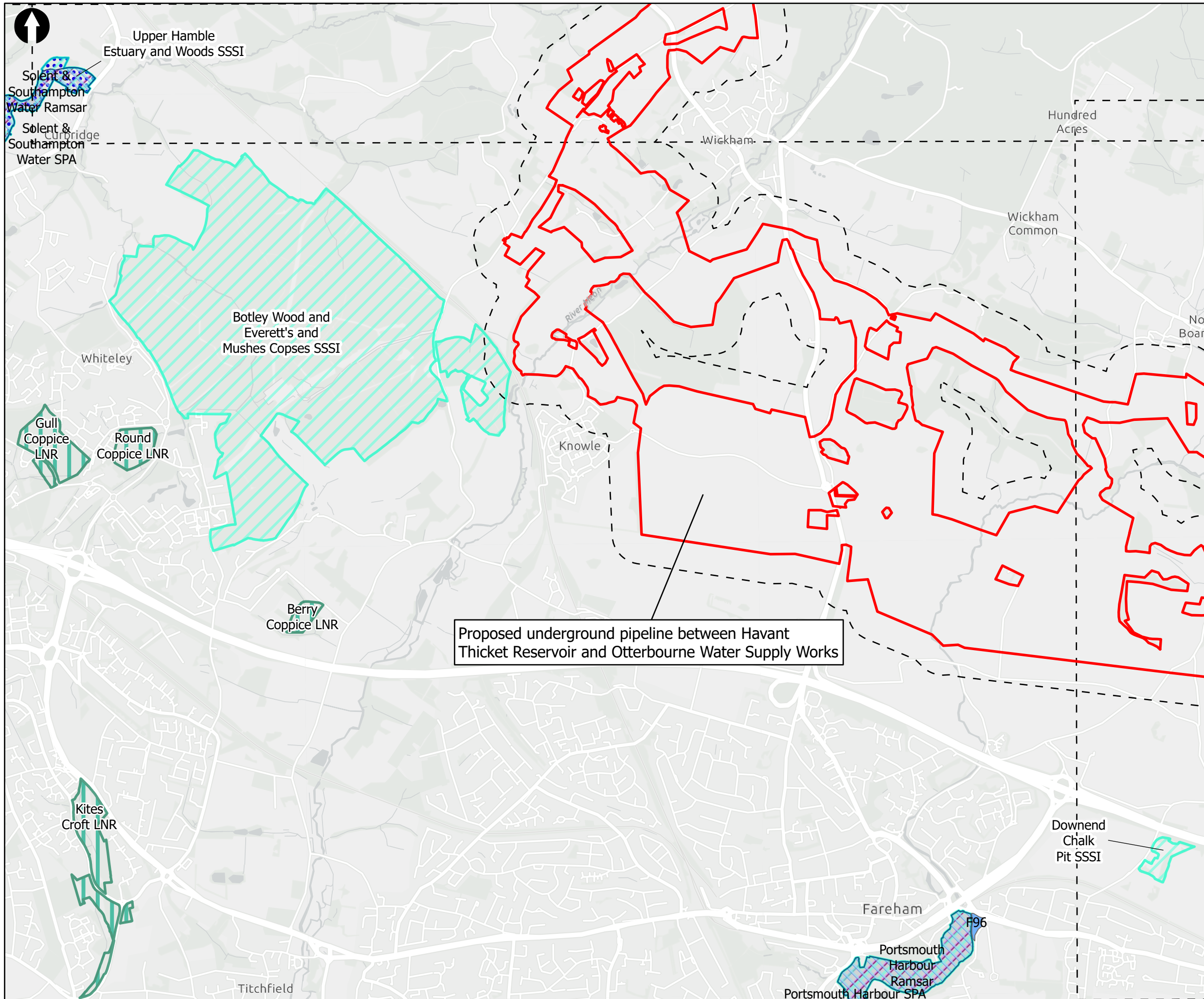
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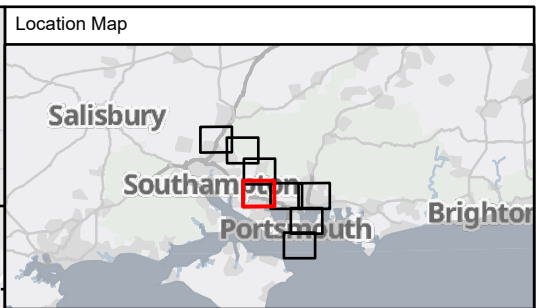
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Drawing Number
710166-SWS-XX-XX-DR-Z-00



Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

Scoping Area	Sites of Special Scientific Interest (SSSI)
200m Study Area	Special Protection Area (SPA)
Statutory Designated Sites	Special Areas of Conservation (SAC)
Local Nature Reserve (LNR)	Solent Waders and Brent Goose Strategy
Ramsar Sites	

Notes

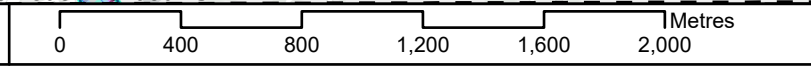
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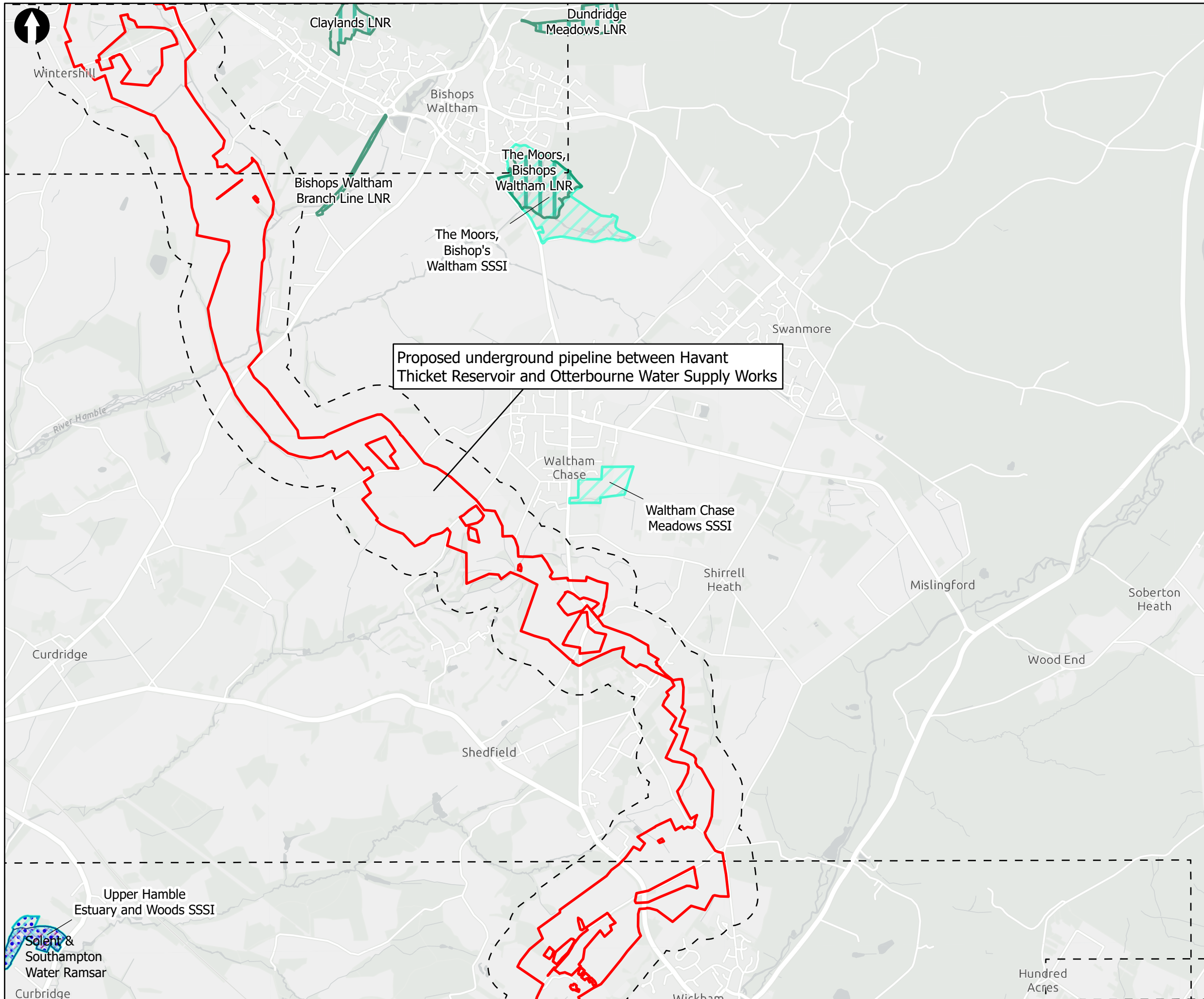
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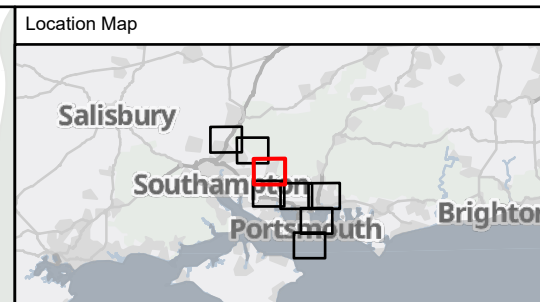
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 Statutory Designated Sites
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works




Key to Symbols

Scoping Area	Ramsar Sites
200m Study Area	Sites of Special Scientific Interest (SSSI)
Statutory Designated Sites	Special Protection Area (SPA)
Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)

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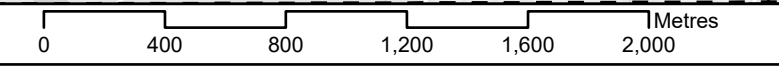
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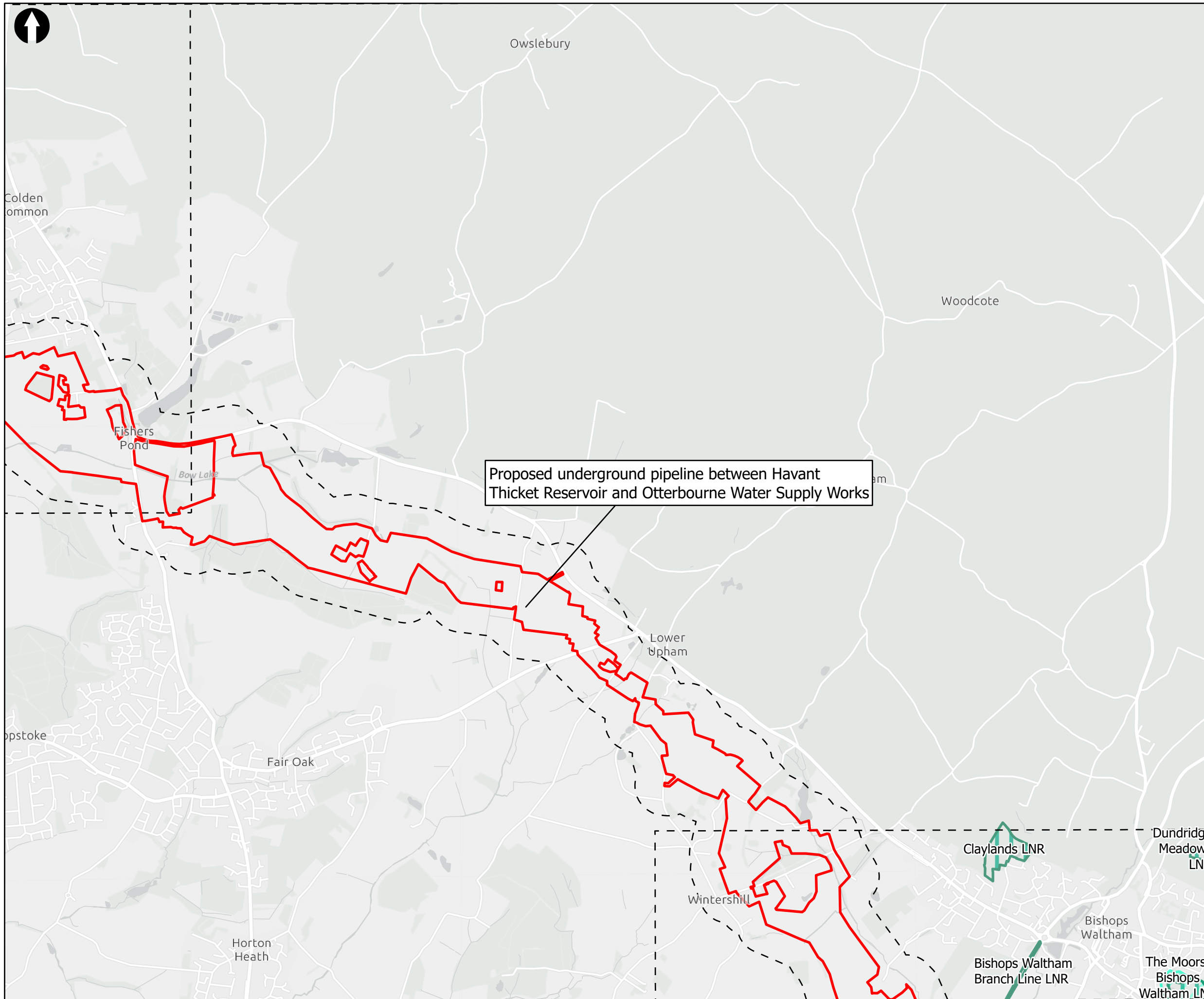


from Southern Water

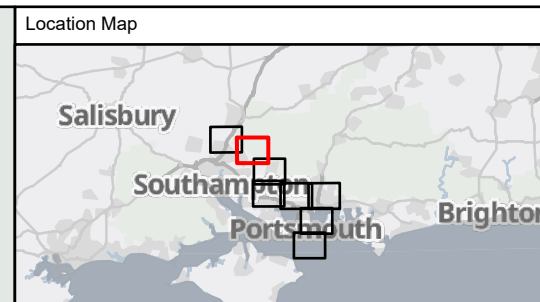
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols



Scoping Area	Sites of Special Scientific Interest (SSSI)
200m Study Area	Statutory Designated Sites
Local Nature Reserve (LNR)	Special Areas of Conservation (SAC)

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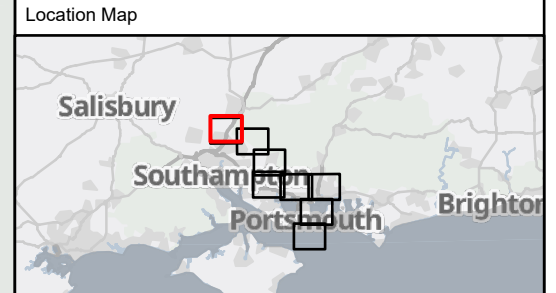
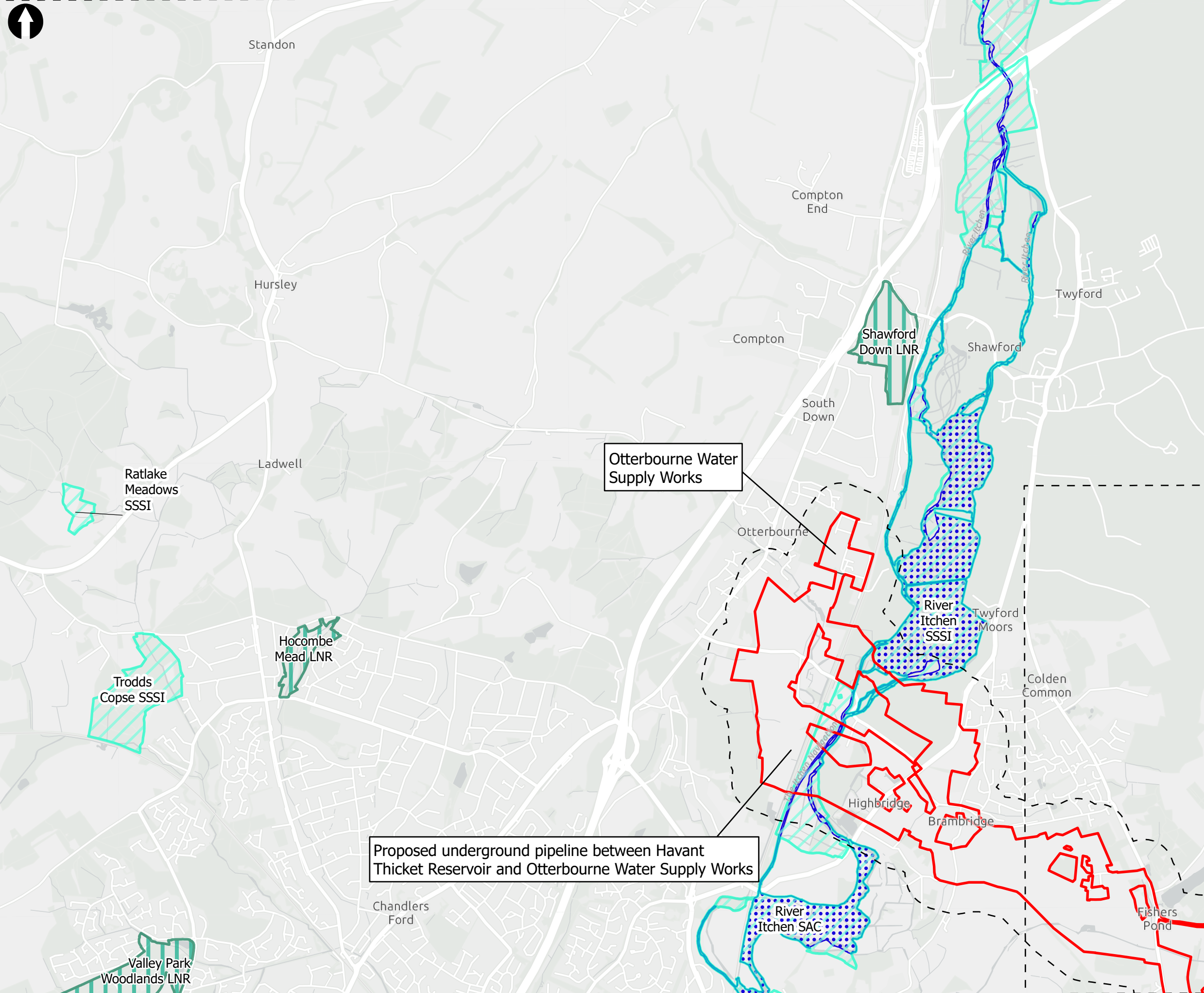
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 Statutory Designated Sites
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Key to Symbols

Scoping Area	Statutory Designated Sites
Otterbourne Water Supply Works	Local Nature Reserve (LNR)
200m Study Area	Sites of Special Scientific Interest (SSSI)
Otterbourne Water Supply Works	Special Areas of Conservation (SAC)

Notes

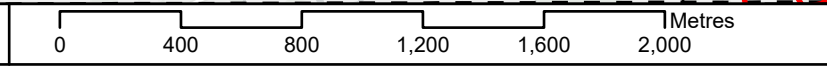
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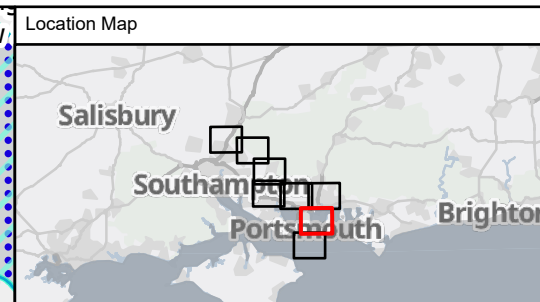
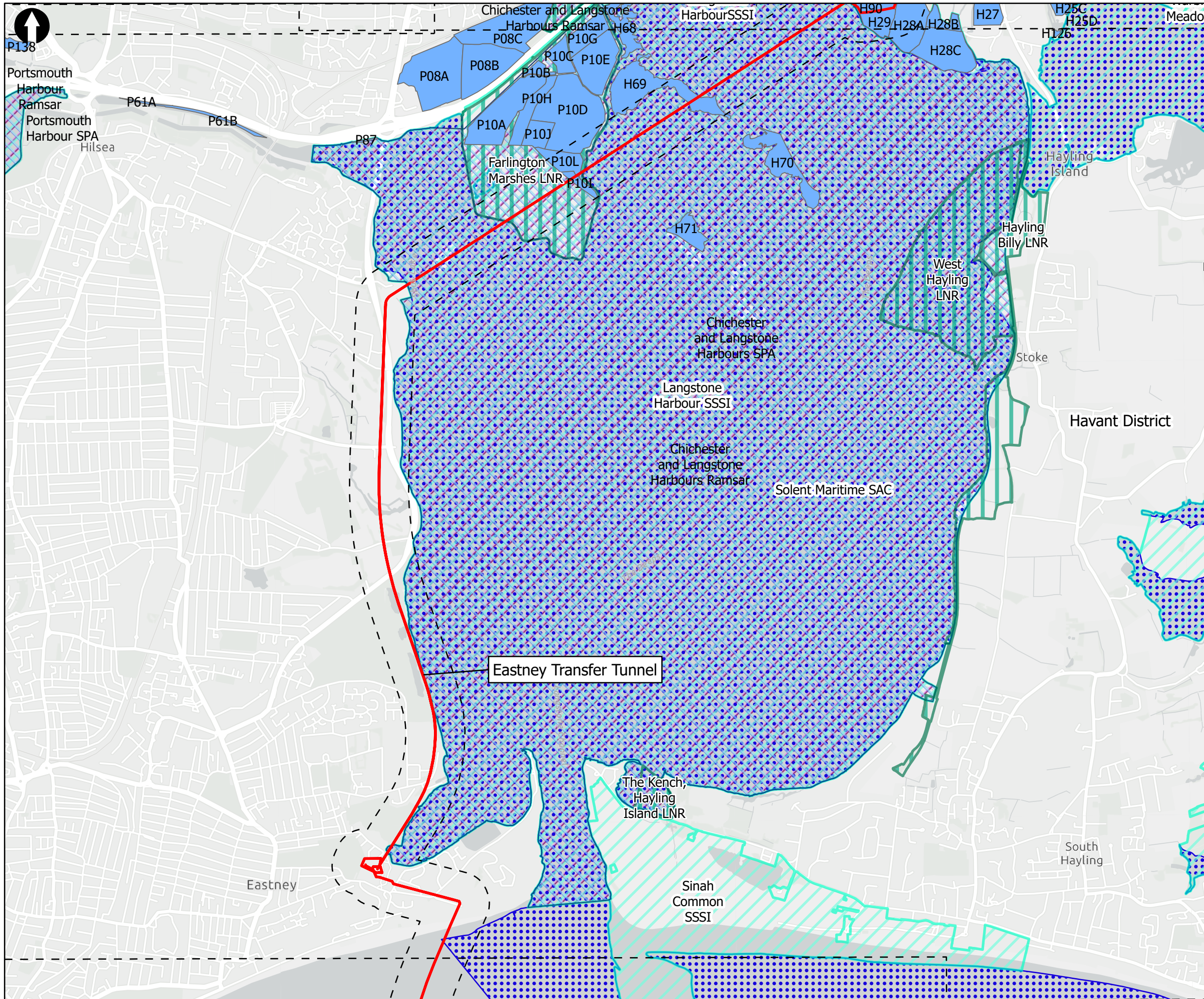
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Key to Symbols

Scoping Area	Ramsar Sites
200m Study Area	Sites of Special Scientific Interest (SSSI)
Budds Farm Wastewater Treatment Works	Special Protection Area (SPA)
Statutory Designated Sites	Special Areas of Conservation (SAC)
Local Nature Reserve (LNR)	Solent Waders and Brent Goose Strategy

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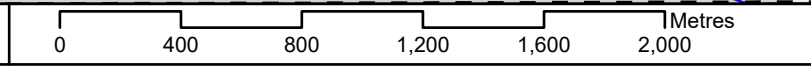
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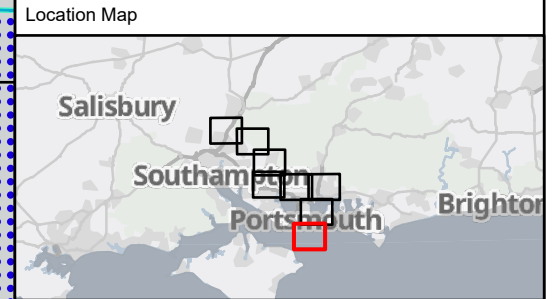
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City of Portsmouth



Key to Symbols

	Scoping Area		Special Areas of Conservation (SAC)
	200m Study Area		Sites of Special Scientific Interest (SSSI)

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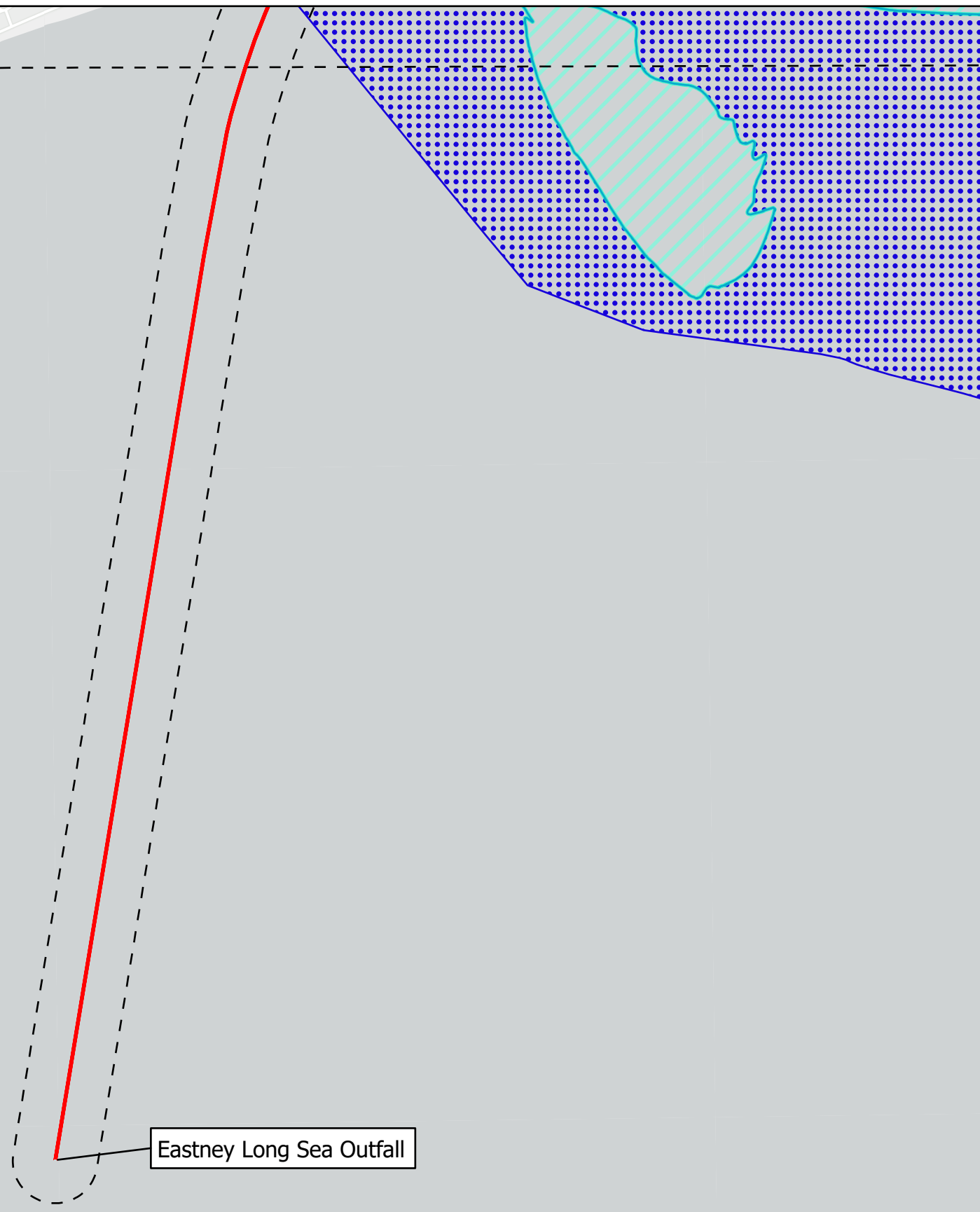
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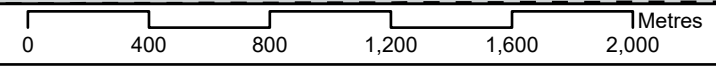
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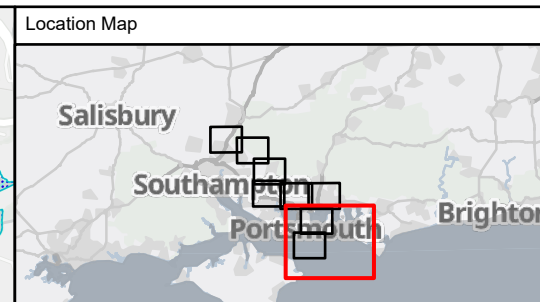
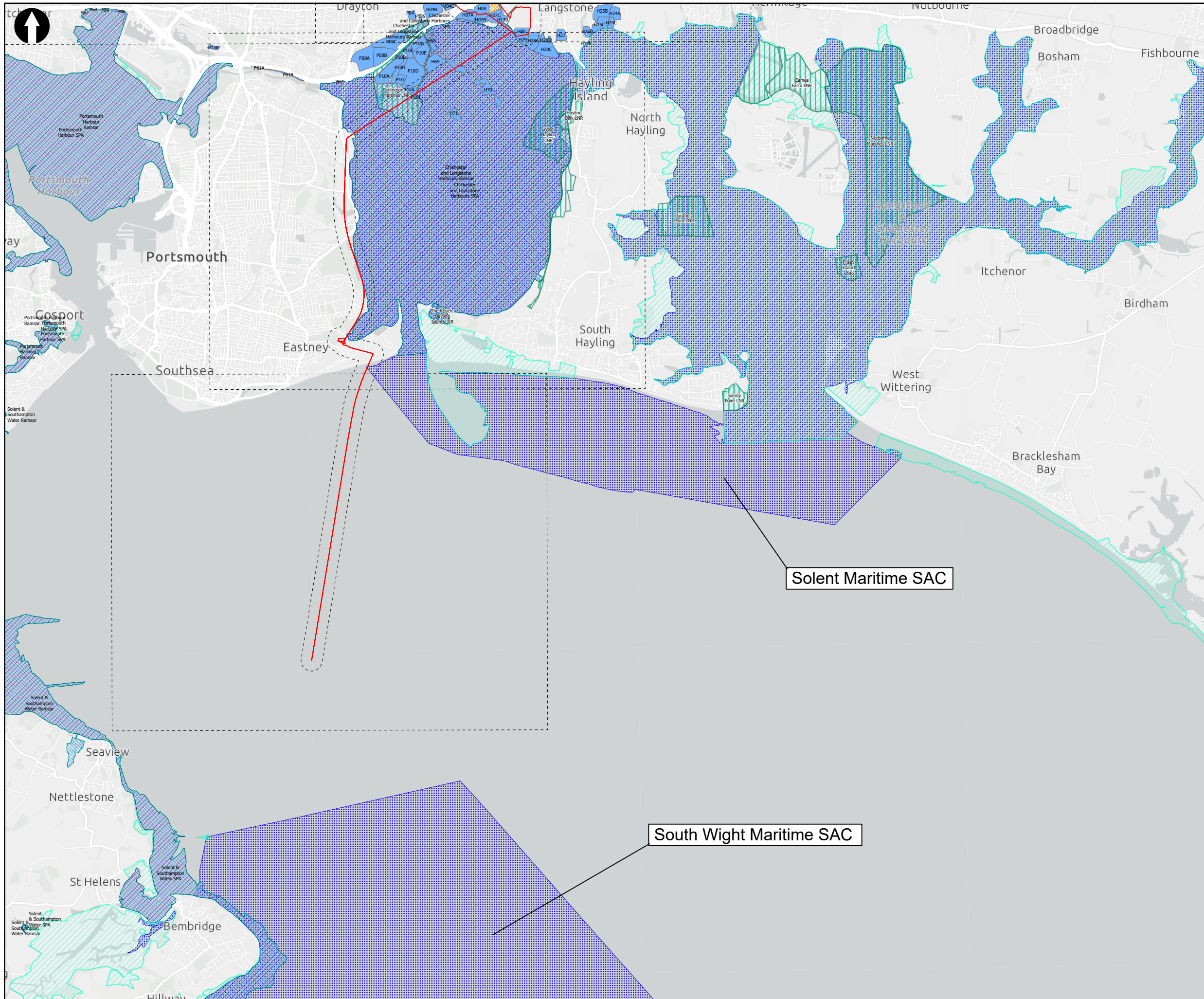
Figure 8.1
 Statutory Designated Sites
 Sheet 8 of 9

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GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	Rev	Security		
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Eastney Long Sea Outfall





- Key to Symbols**
- Scoping Area
 - 200m Study Area
 - Budds Farm Wastewater Treatment Works
 - Local Nature Reserve (LNR)
 - Ramsar Sites
 - Sites of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Areas of Conservation (SAC)
 - Solent Waders and Brent Goose Strategy
 - Water Recycling Plant and High Lift Pumping Station

Notes

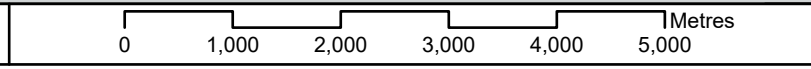
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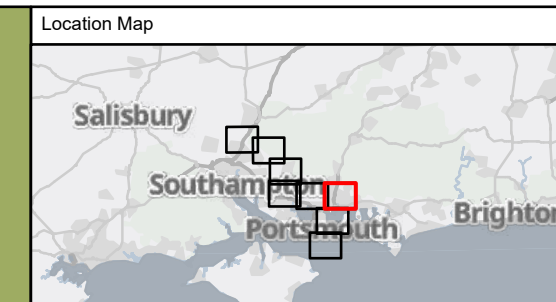
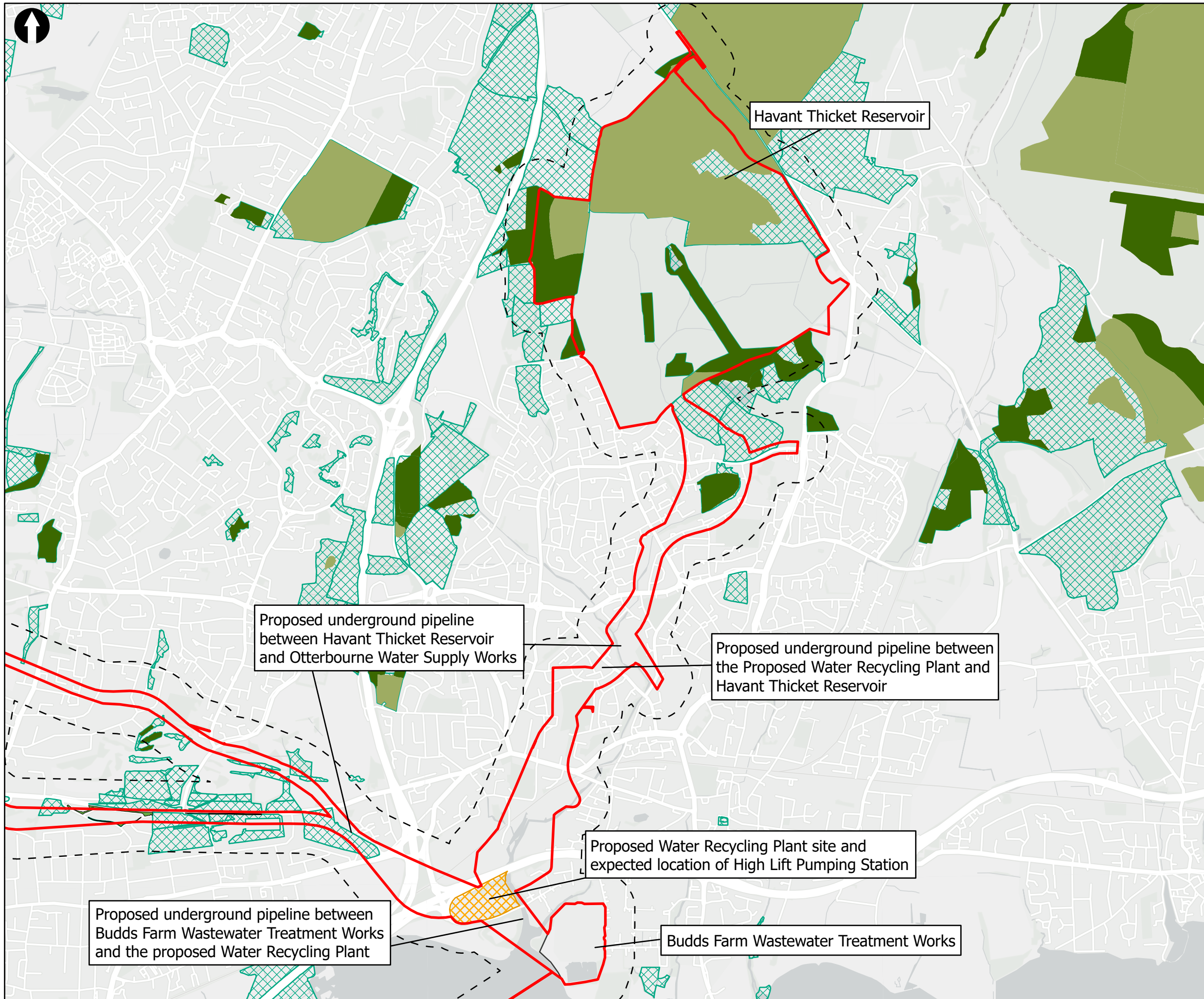
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 Sheet 9 of 9

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GIS Check	GC	-	Approved	MP	-
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Key to Symbols

- Scoping Area
- 200m Study Area
- Water Recycling Plant and High Lift Pumping Station
- Budds Farm Wastewater Treatment Works

Layer

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Sites of Importance for Nature Conservation (SINCs)
- Road Verges of Ecological Importance (RVEI)

Notes

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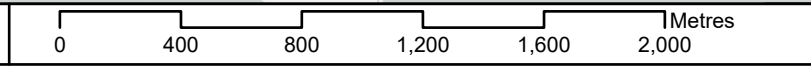
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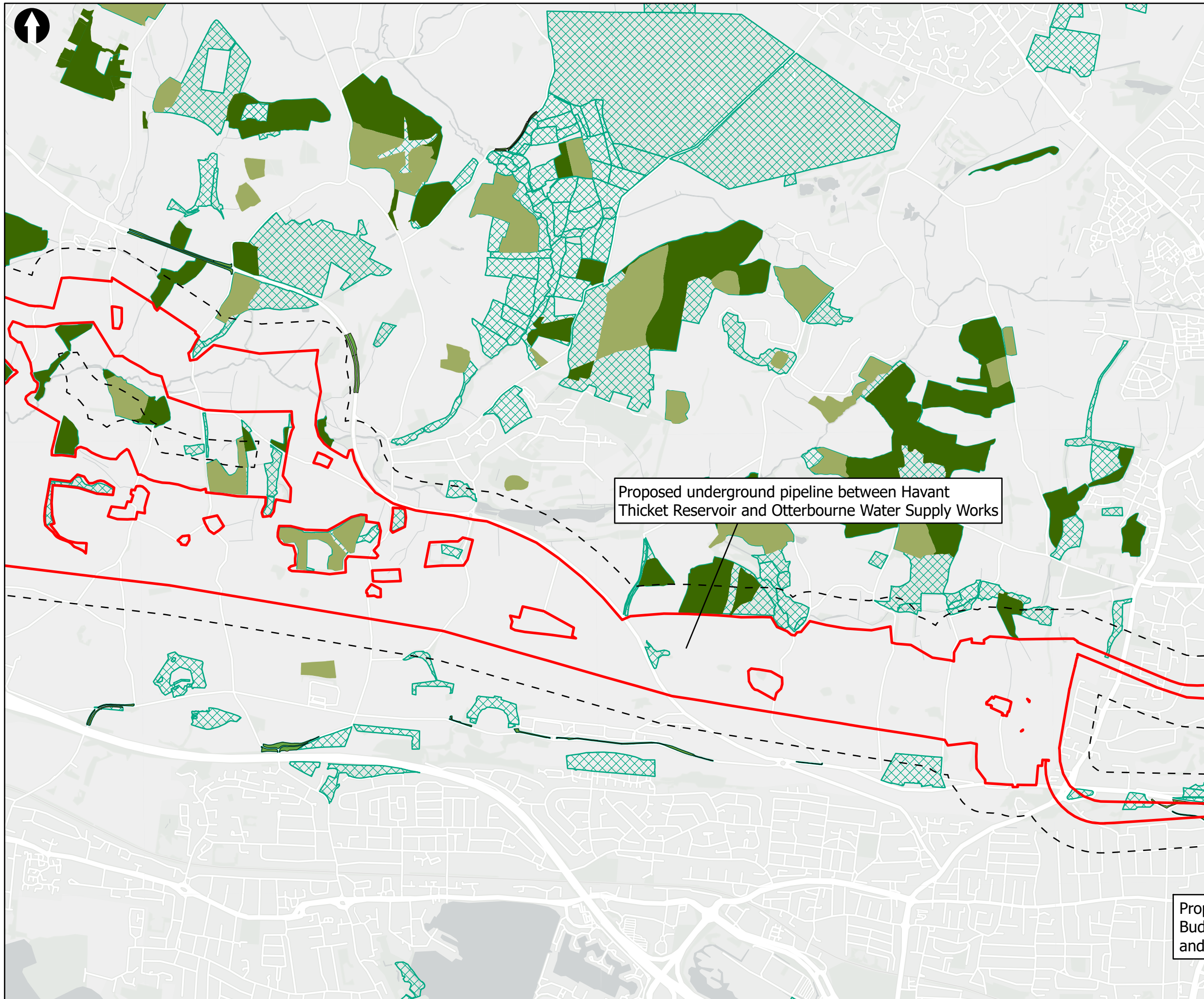


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Figure 8.2
Non-statutory Designated Sites
Sheet 1 of 8

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Scale at A3	Status	INF	Rev	02	Security
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 200m Study Area

Layer

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Sites of Importance for Nature Conservation (SINCs)
- Road Verges of Ecological Importance (RVEI)

Notes

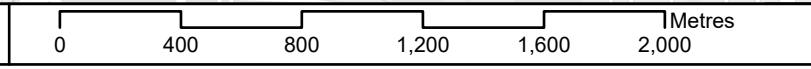
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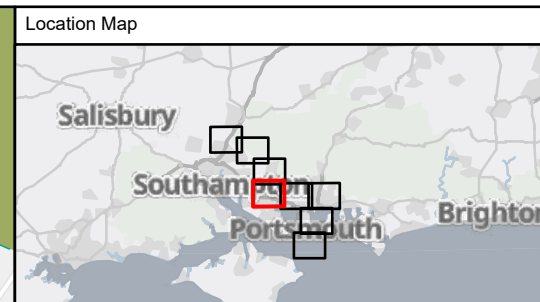
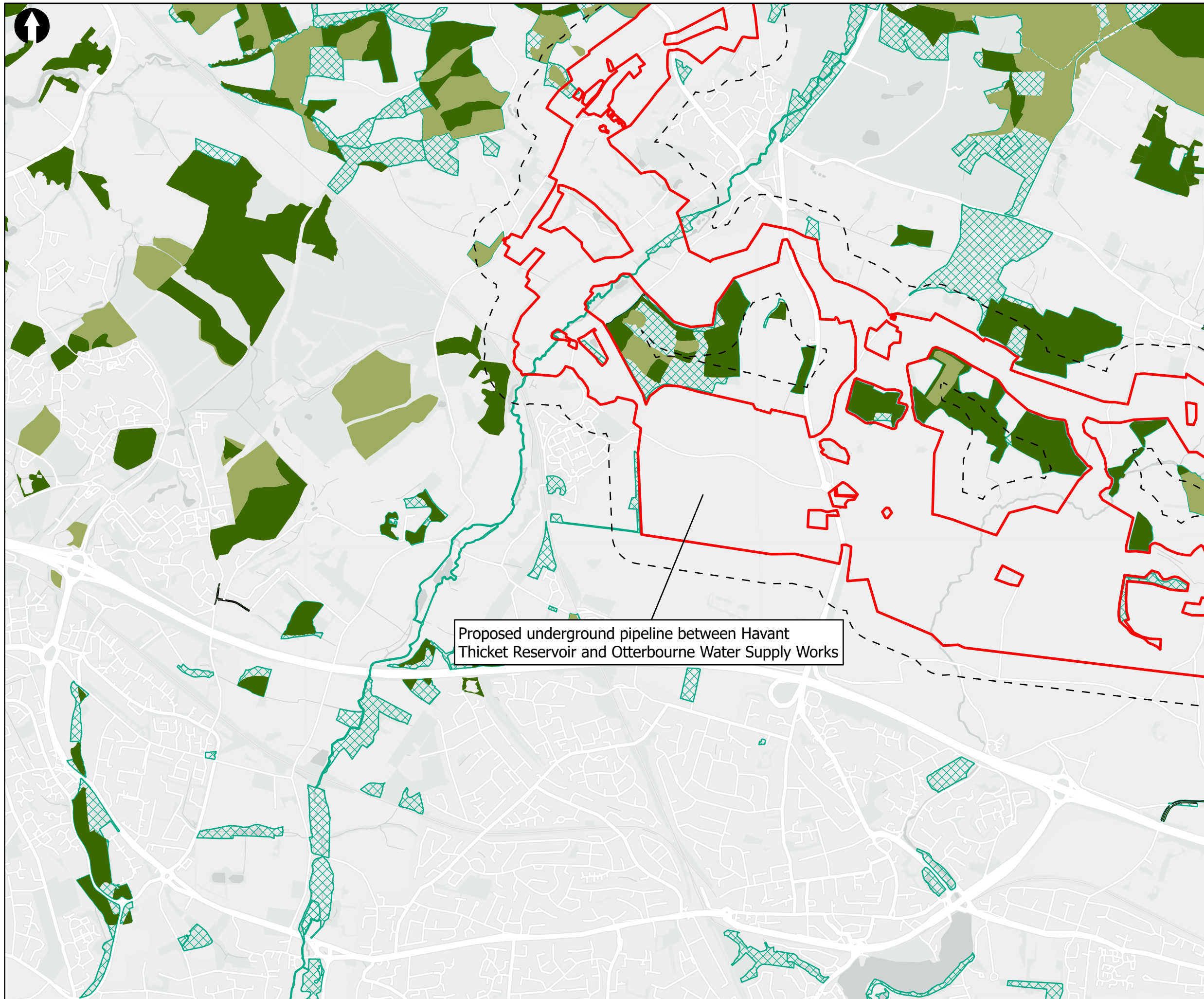
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 Non-statutory Designated Sites
 Sheet 2 of 8

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Key to Symbols

- Scoping Area
- 200m Study Area

Layer

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Sites of Importance for Nature Conservation (SINC)
- Road Verges of Ecological Importance (RVEI)

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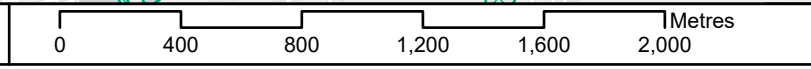
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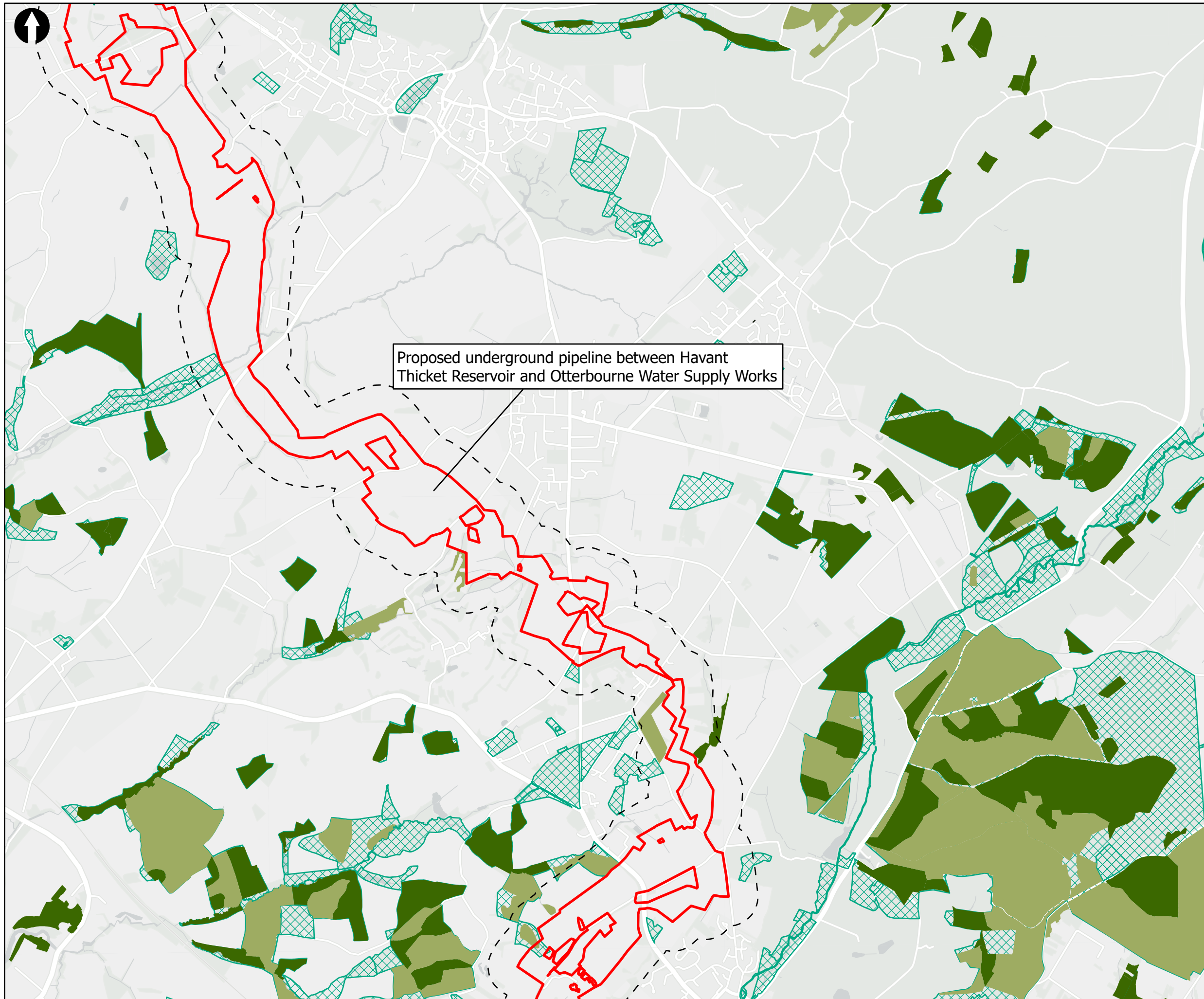
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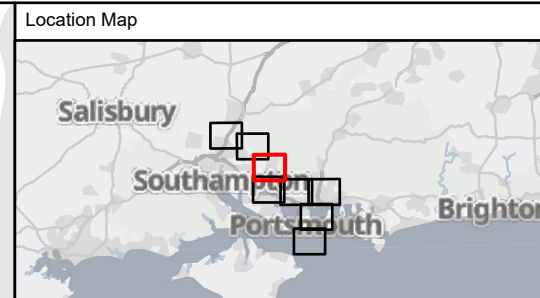
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 Sheet 3 of 8

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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 200m Study Area

Layer

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Sites of Importance for Nature Conservation (SINCs)
- Road Verges of Ecological Importance (RVEI)

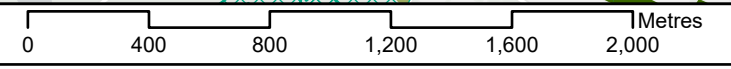
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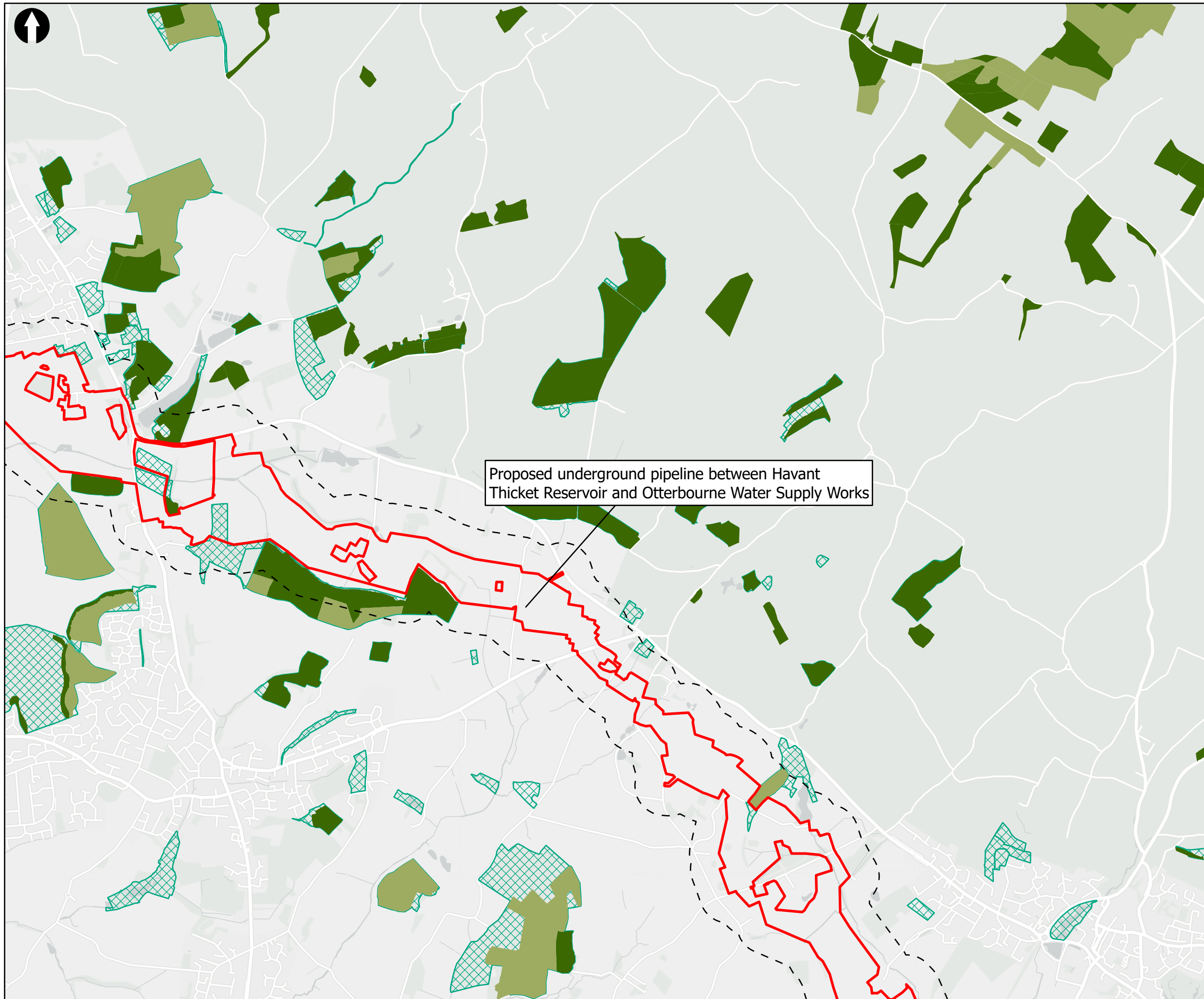
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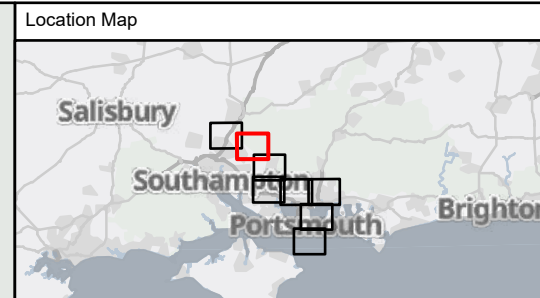
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 200m Study Area

Layer

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Sites of Importance for Nature Conservation (SINCs)
- Road Verges of Ecological Importance (RVEI)

Notes

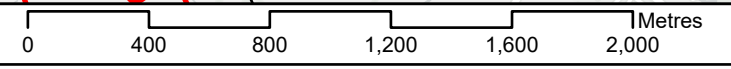
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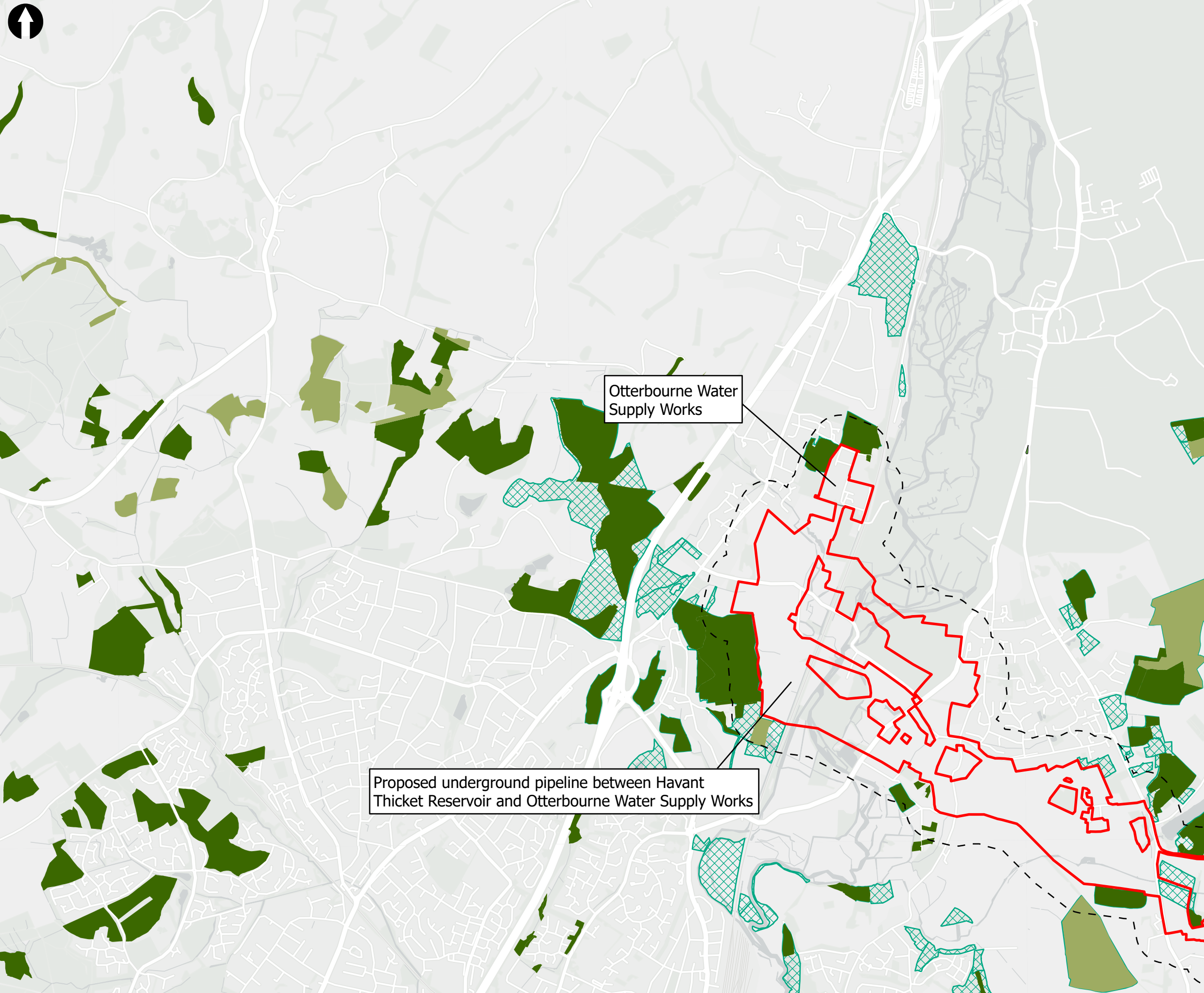
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Title
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 Non-statutory Designated Sites
 Sheet 5 of 8

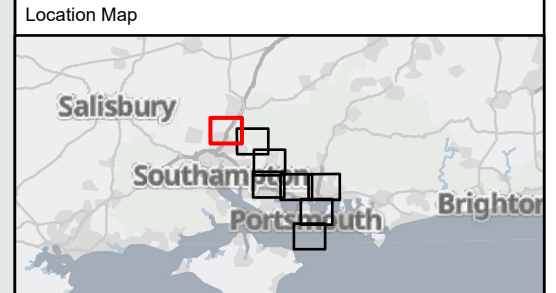
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Scale at A3	Status	INF	Rev	02	Security
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Otterbourne Water Supply Works

Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 200m Study Area
- Otterbourne Water Supply Works

Layer

- Ancient & Semi-Natural Woodland
- Ancient Replanted Woodland
- Sites of Importance for Nature Conservation (SINCs)
- Road Verges of Ecological Importance (RVEI)

Notes

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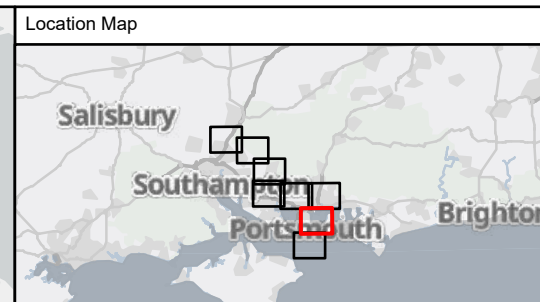
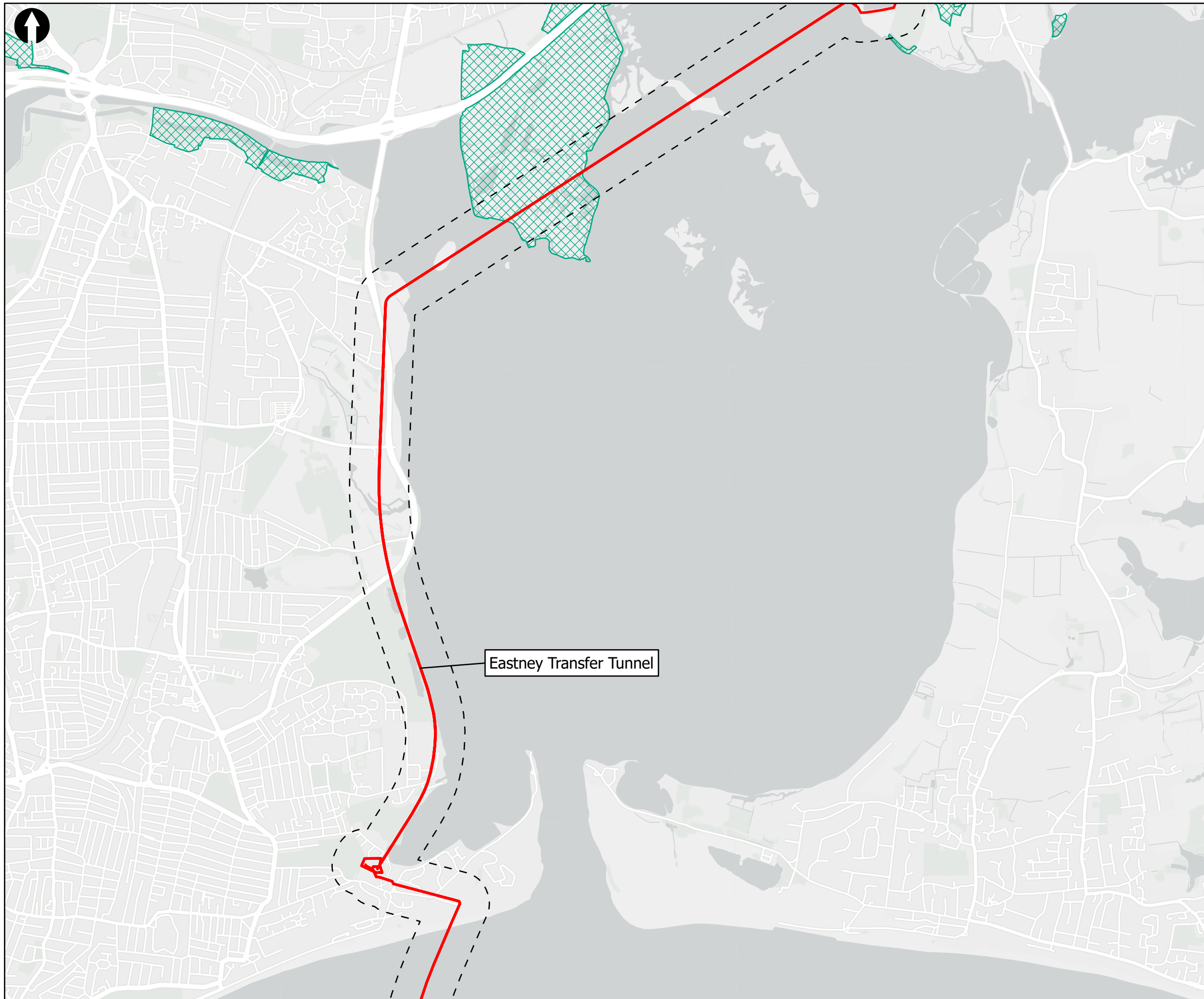
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Title
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 Sheet 6 of 8

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Key to Symbols

- Scoping Area
- 200m Study Area
- Budds Farm Wastewater Treatment Works
- Sites of Importance for Nature Conservation (SINCs)

Notes

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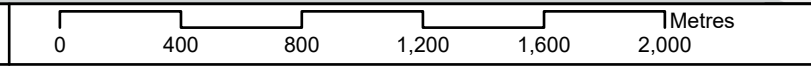
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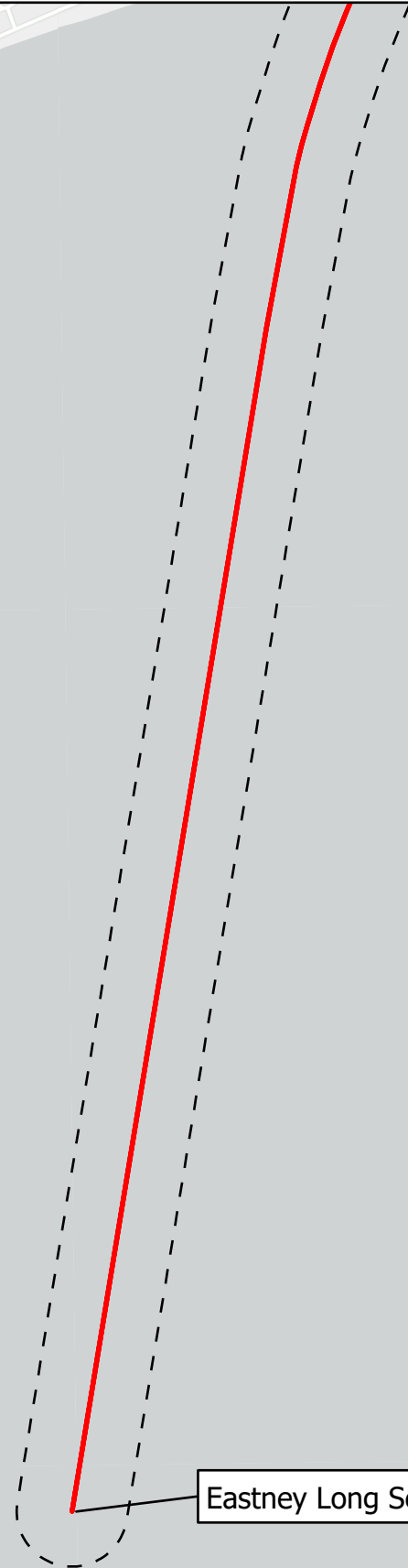
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Figure 8.2
Non-statutory Designated Sites
 Sheet 7 of 8

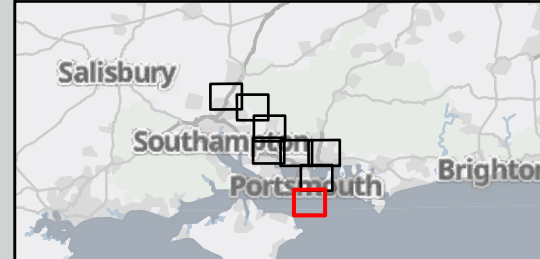
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Eastney Long Sea Outfall

Location Map



Key to Symbols

- Scoping Area
- 200m Study Area

Notes

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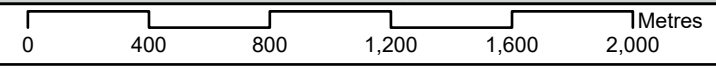
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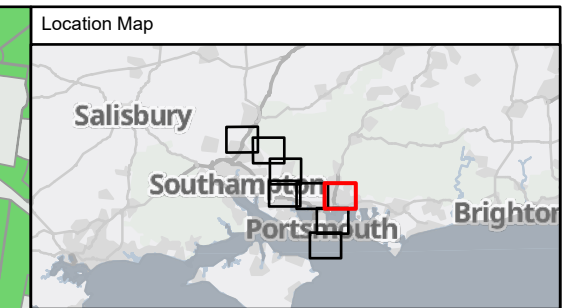
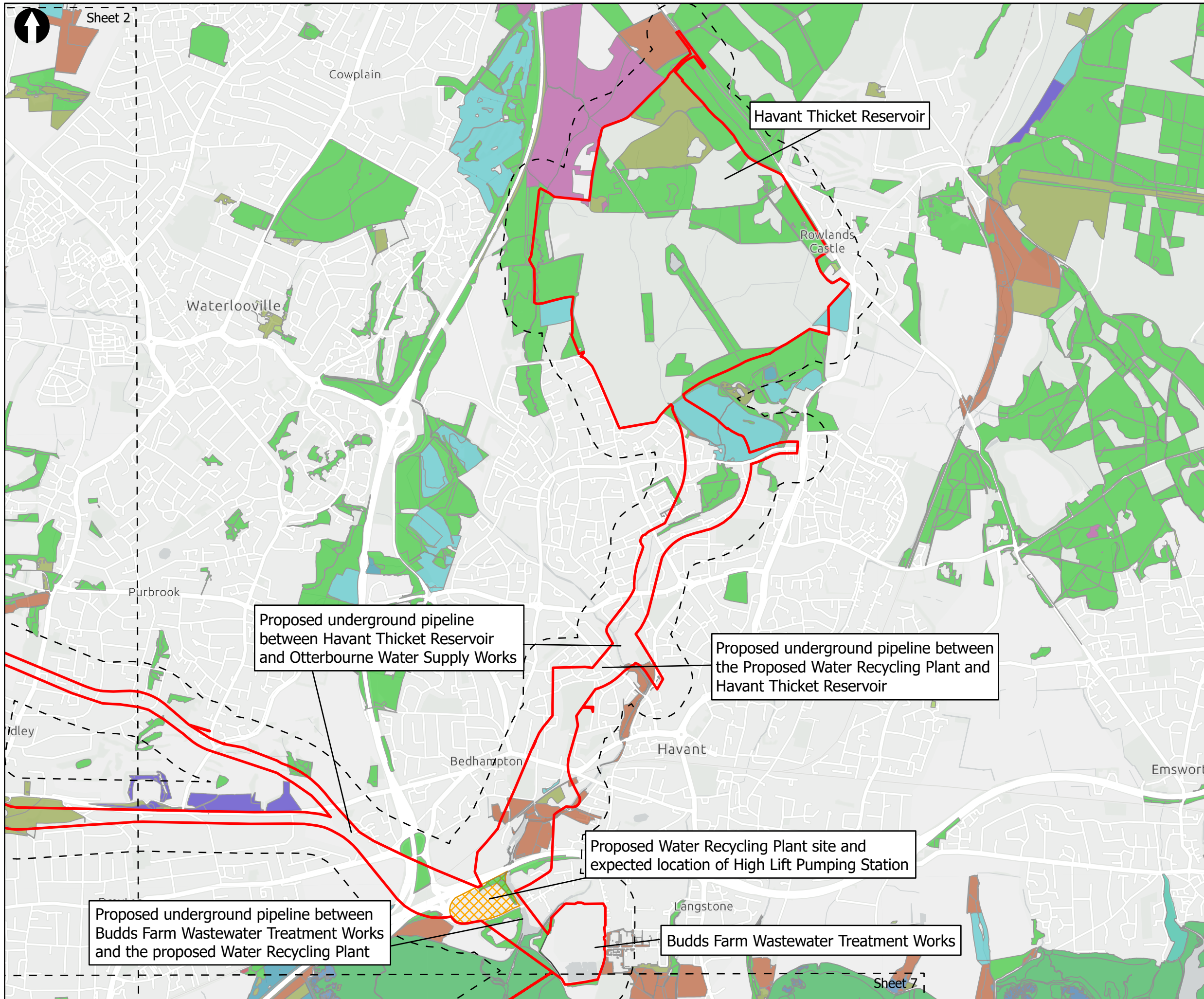
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Non-statutory Designated Sites
Sheet 8 of 8

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GIS Check	GC	-	Approved	MP	-
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Key to Symbols

- Scoping Area
- 200m Study Area
- Water Recycling Plant and High Lift Pumping Station
- Budds Farm Wastewater Treatment Works

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Coastal saltmarsh
- Deciduous woodland
- Good quality semi-improved grassland
- Lowland calcareous grassland
- Lowland dry acid grassland
- Lowland meadows
- Mudflats
- No main habitat but additional habitats present
- Reedbeds
- Saline lagoons
- Traditional orchard

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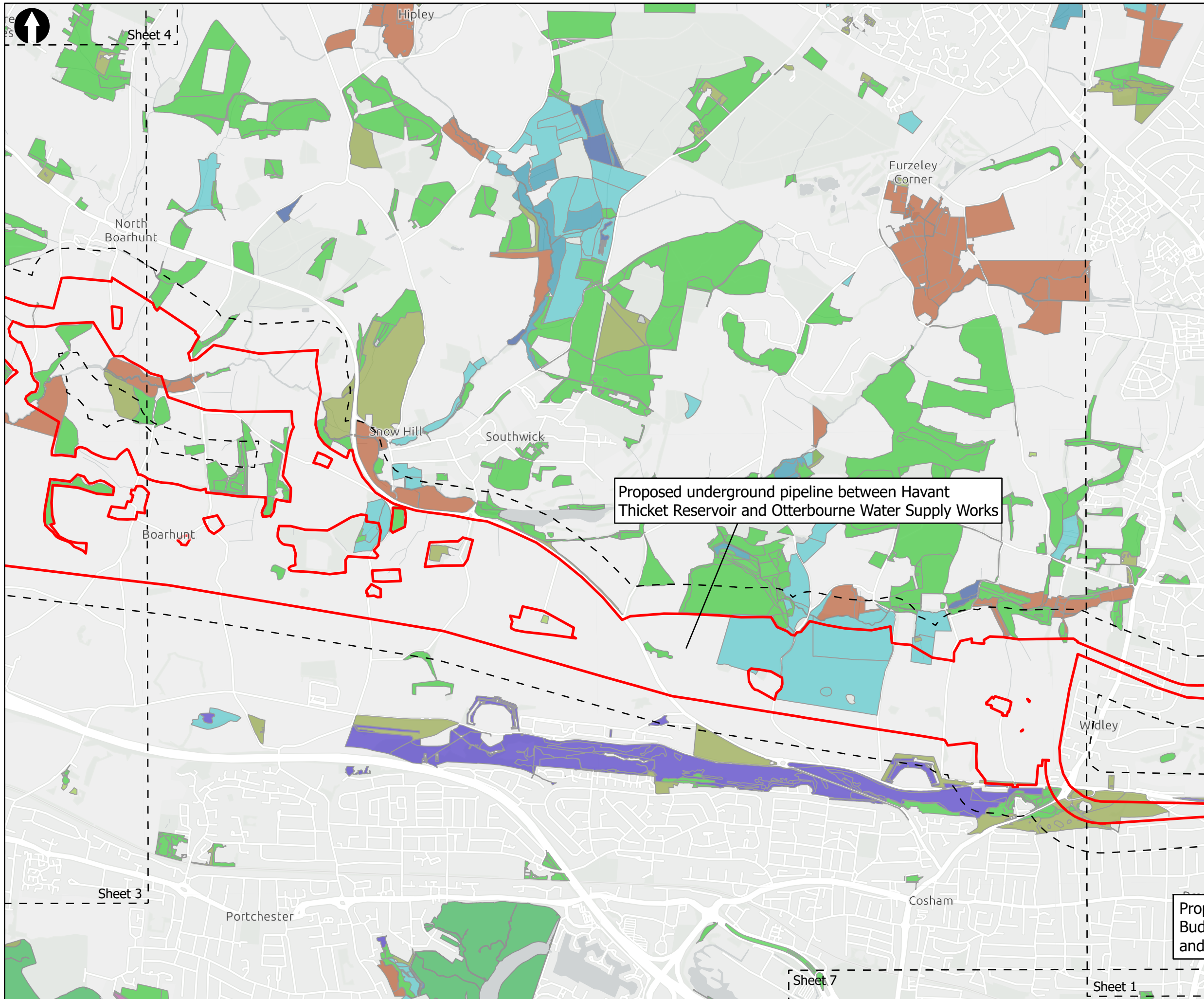
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Title
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 Priority Habitats
 Sheet 1 of 8

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Scale at A3	Status	INF	Rev	01	Security





Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



- Key to Symbols**
- Scoping Area
 - 200m Study Area
- Priority Habitat Inventory**
- Coastal and floodplain grazing marsh
 - Coastal saltmarsh
 - Deciduous woodland
 - Good quality semi-improved grassland
 - Lowland calcareous grassland
 - Lowland dry acid grassland
 - Lowland fens
 - Lowland meadows
 - Mudflats
 - No main habitat but additional habitats present
 - Purple moor grass and rush pastures
 - Traditional orchard

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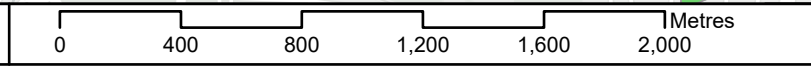
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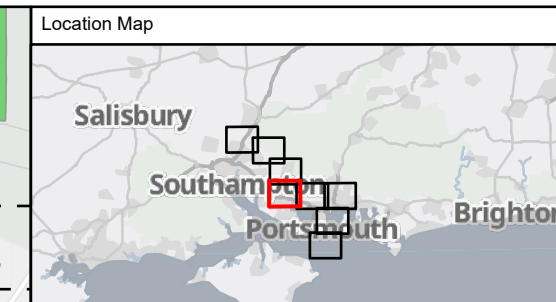
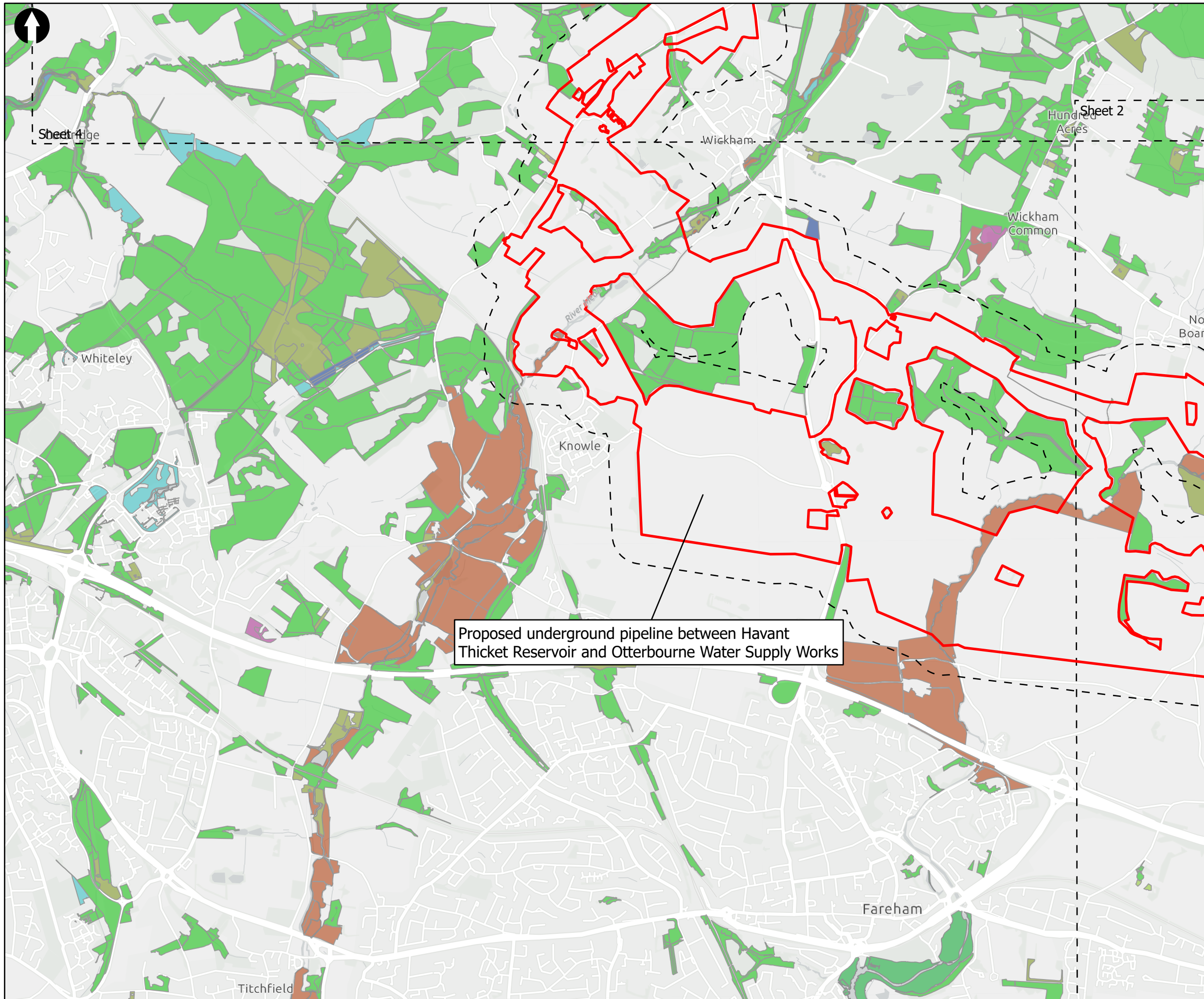
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 Priority Habitats
 Sheet 2 of 8

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Key to Symbols

- Scoping Area
- 200m Study Area

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Coastal saltmarsh
- Deciduous woodland
- Good quality semi-improved grassland
- Lowland dry acid grassland
- Lowland heathland
- Lowland meadows
- Mudflats
- No main habitat but additional habitats present
- Purple moor grass and rush pastures
- Traditional orchard

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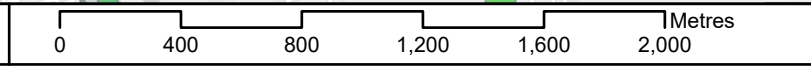
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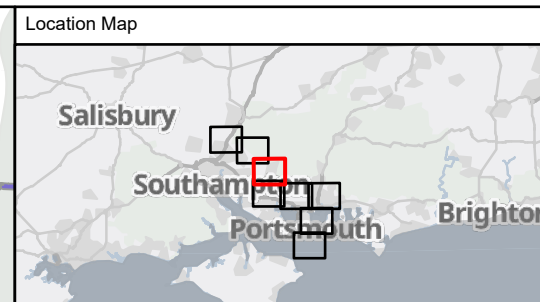
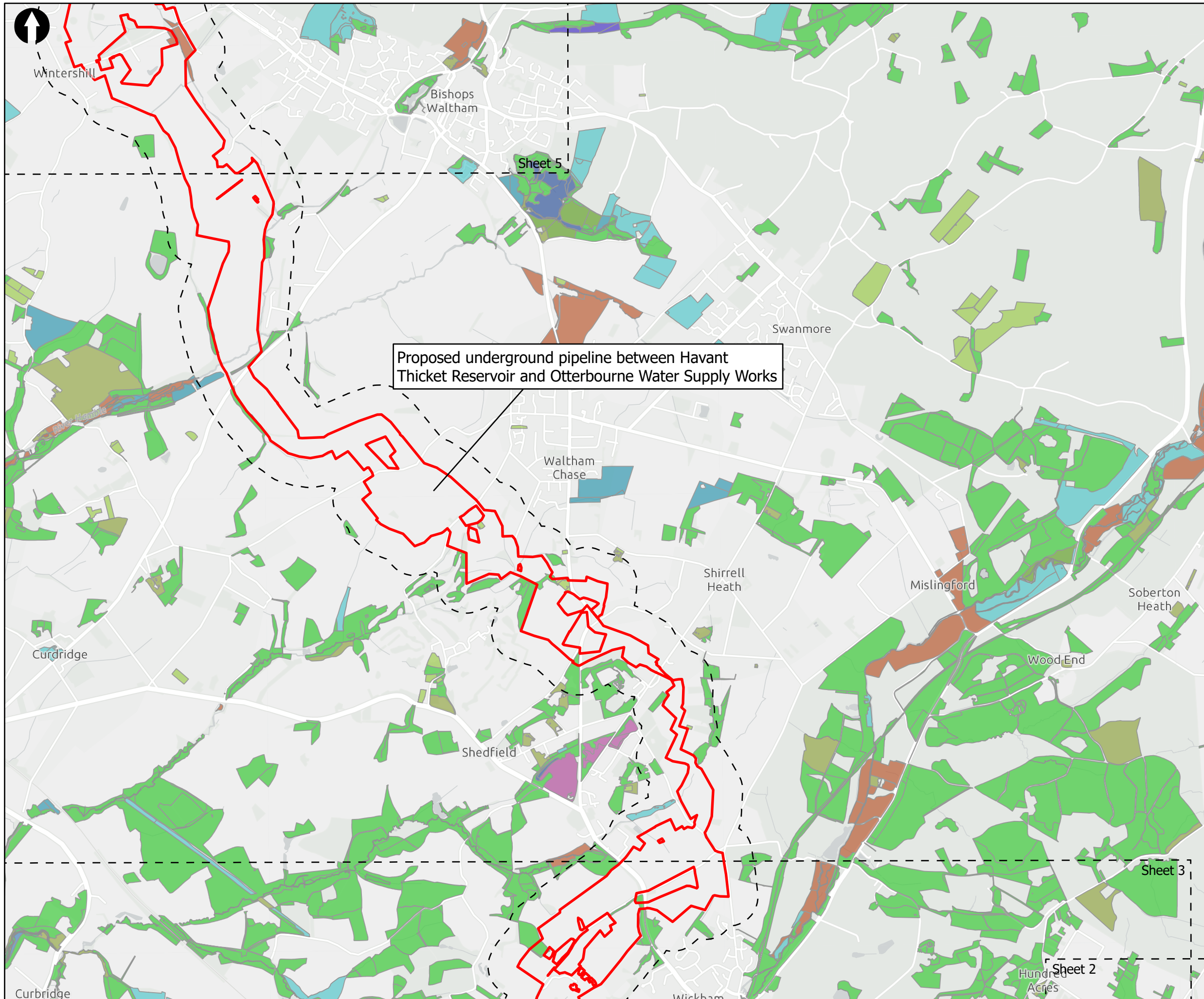
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 Priority Habitats
 Sheet 3 of 8

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Key to Symbols

- Scoping Area
- 200m Study Area

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Coastal saltmarsh
- Deciduous woodland
- Good quality semi-improved grassland
- Lowland calcareous grassland
- Lowland dry acid grassland
- Lowland fens
- Lowland meadows
- Mudflats
- No main habitat but additional habitats present
- Purple moor grass and rush pastures
- Traditional orchard

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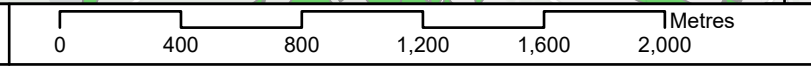
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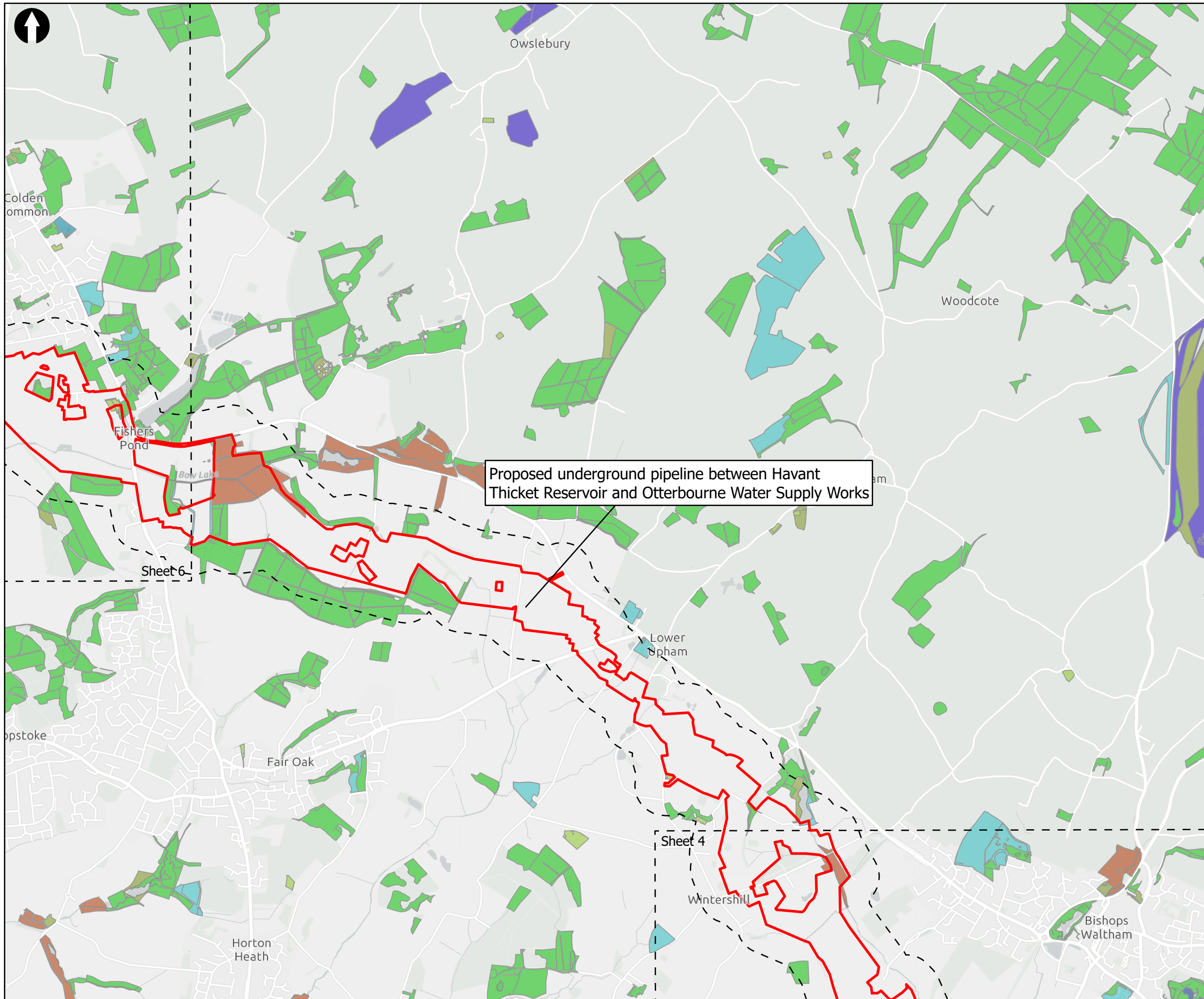
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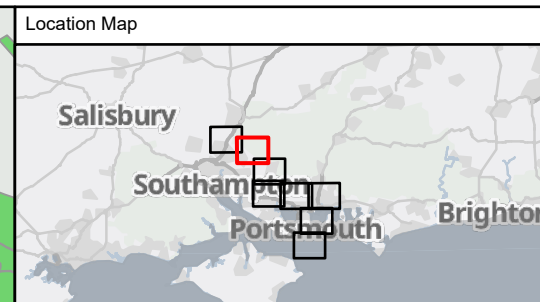

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 Sheet 4 of 8

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GIS Check	MB	-	Approved	MB	-
Scale at A3	Status	INF	Rev	01	Security
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 200m Study Area

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Deciduous woodland
- Good quality semi-improved grassland
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- No main habitat but additional habitats present
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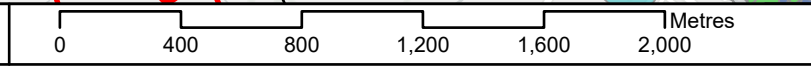
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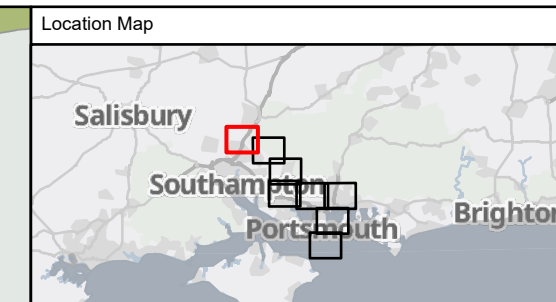
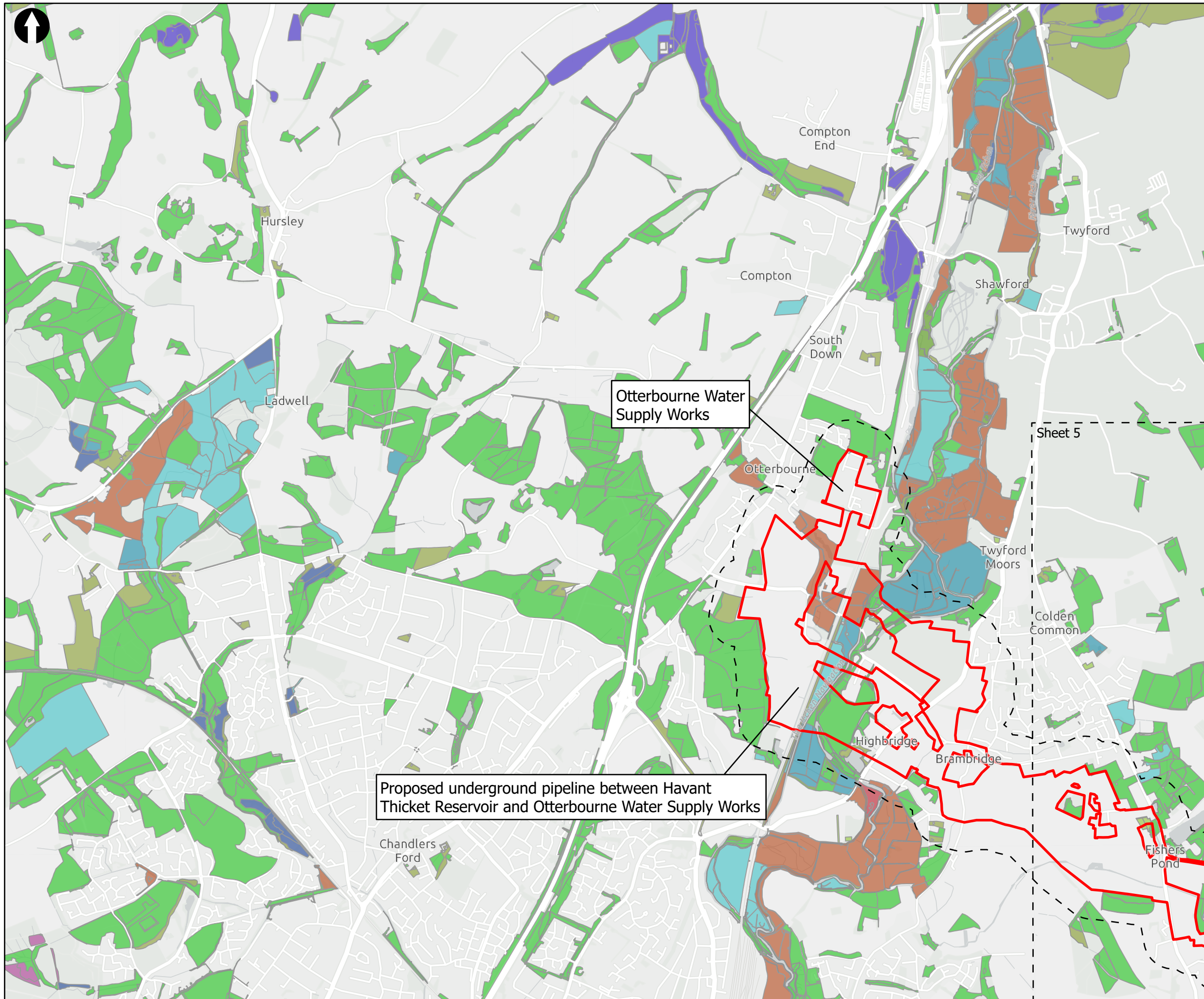
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Drawing Number
 710166-SWS-XX-XX-DR-Z-00



Key to Symbols

- Scoping Area
- 200m Study Area
- Otterbourne Water Supply Works

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Deciduous woodland
- Good quality semi-improved grassland
- Lowland calcareous grassland
- Lowland dry acid grassland
- Lowland fens
- Lowland meadows
- No main habitat but additional habitats present
- Purple moor grass and rush pastures
- Reedbeds
- Traditional orchard

Notes

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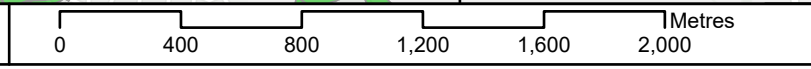
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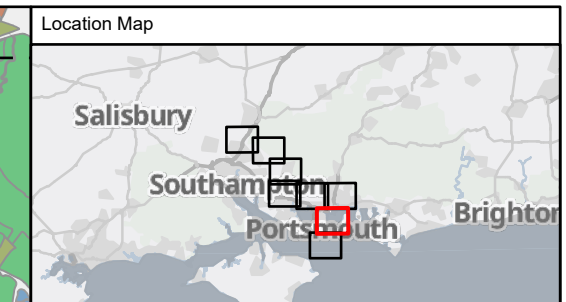
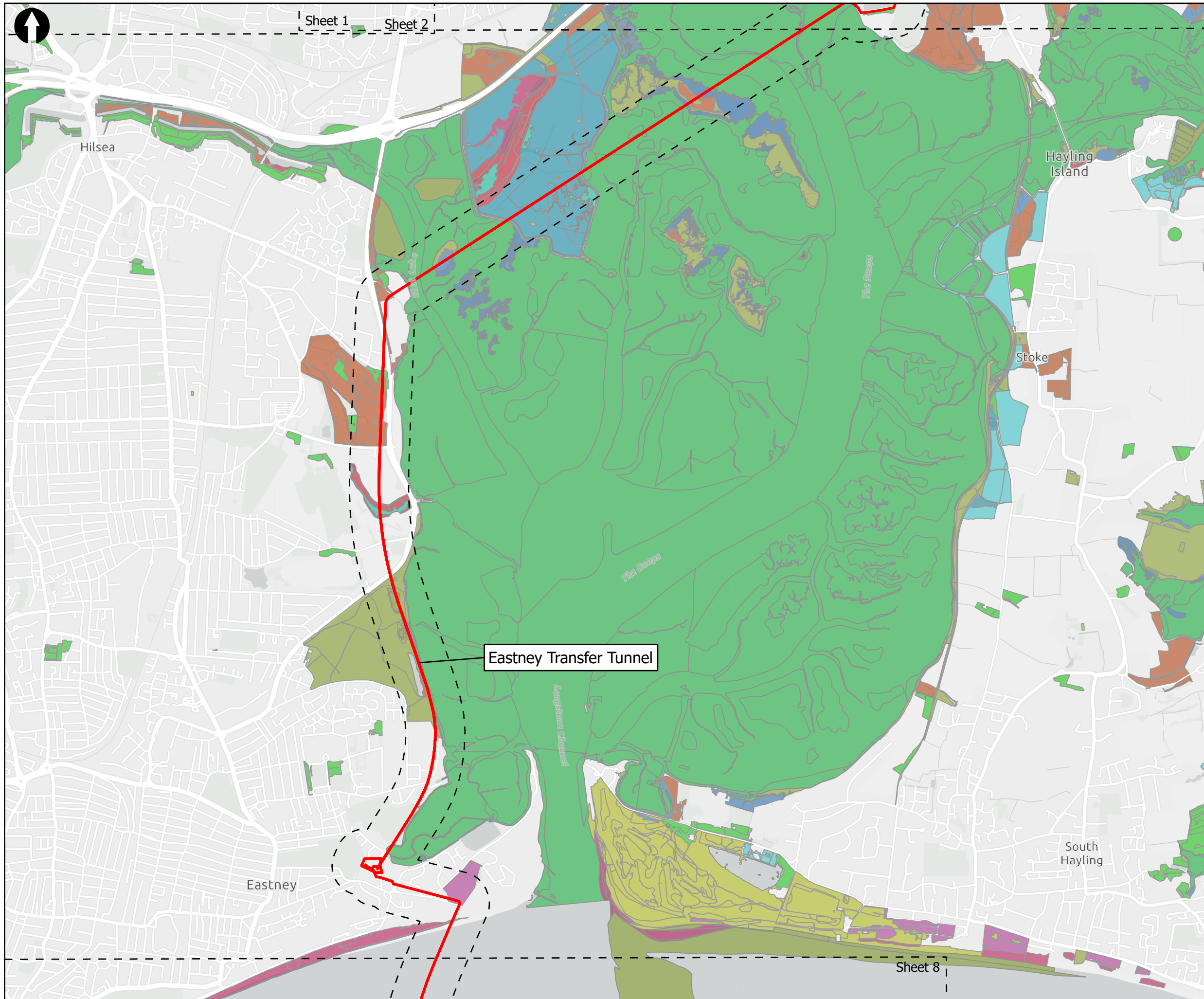
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Title

Figure 8.3
Priority Habitats
Sheet 6 of 8

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Drawn	ND	-	Review	MB	-
GIS Check	MB	-	Approved	MB	-
Scale at A3	Status	INF	Rev	01	Security
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Key to Symbols

- Scoping Area
- 200m Study Area
- Budds Farm Wastewater Treatment Works

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Coastal saltmarsh
- Coastal sand dunes
- Coastal vegetated shingle
- Deciduous woodland
- Good quality semi-improved grassland
- Lowland dry acid grassland
- Lowland meadows
- Mudflats
- No main habitat but additional habitats present
- Reedbeds
- Saline lagoons
- Traditional orchard

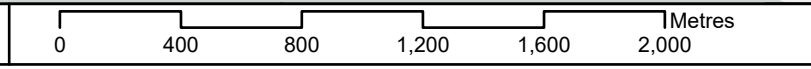
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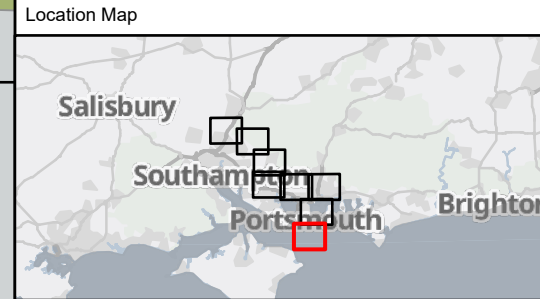
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 Figure 8.3
 Priority Habitats
 Sheet 7 of 8

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GIS Check	MB	-	Approved	MB	-
Scale at A3	Status	INF	Rev	01	Security
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Sheet 7



Key to Symbols

- Scoping Area
- 200m Study Area

Priority Habitat Inventory

- Coastal and floodplain grazing marsh
- Coastal vegetated shingle
- No main habitat but additional habitats present

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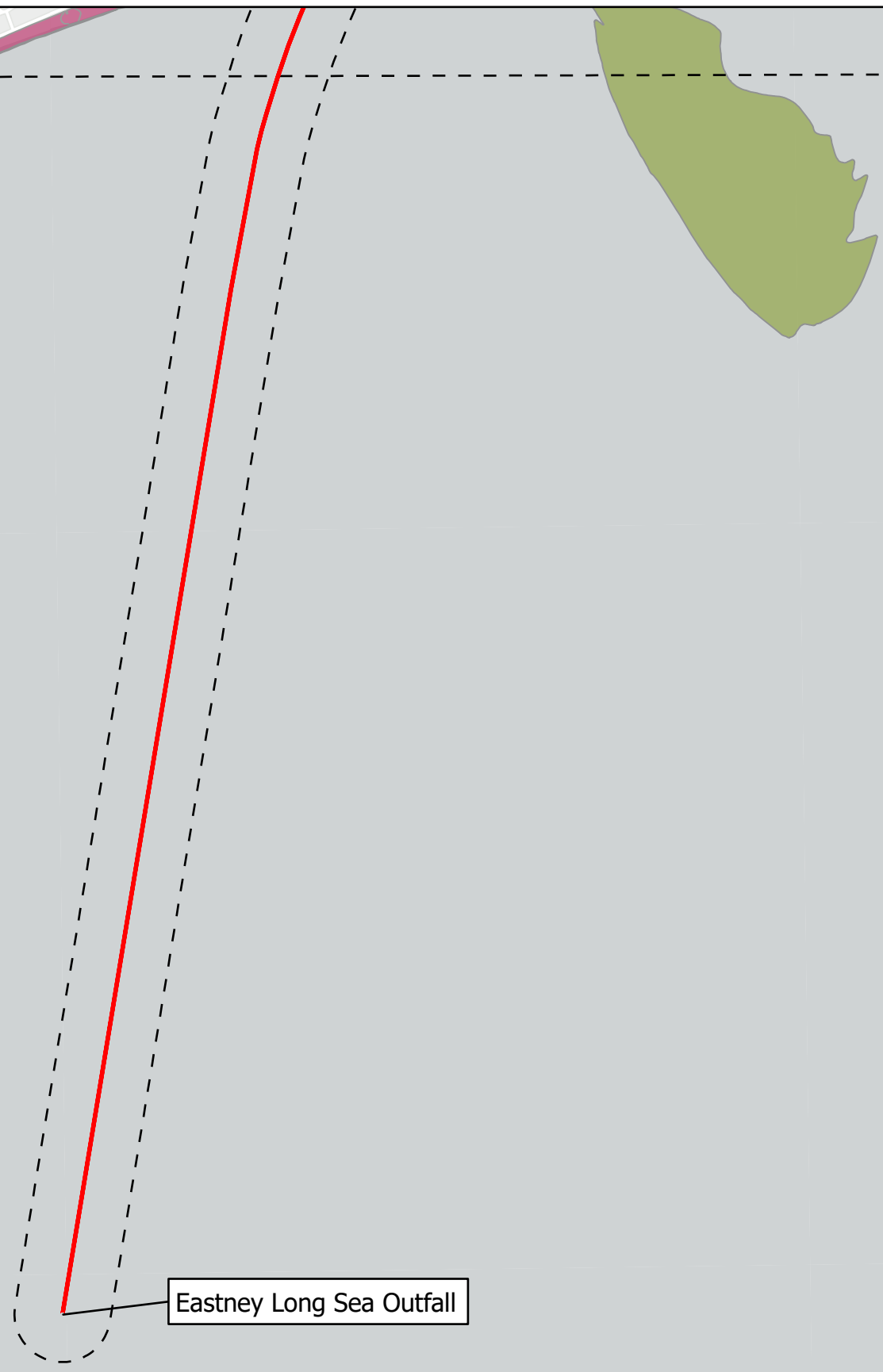
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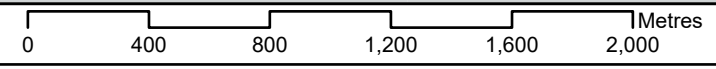
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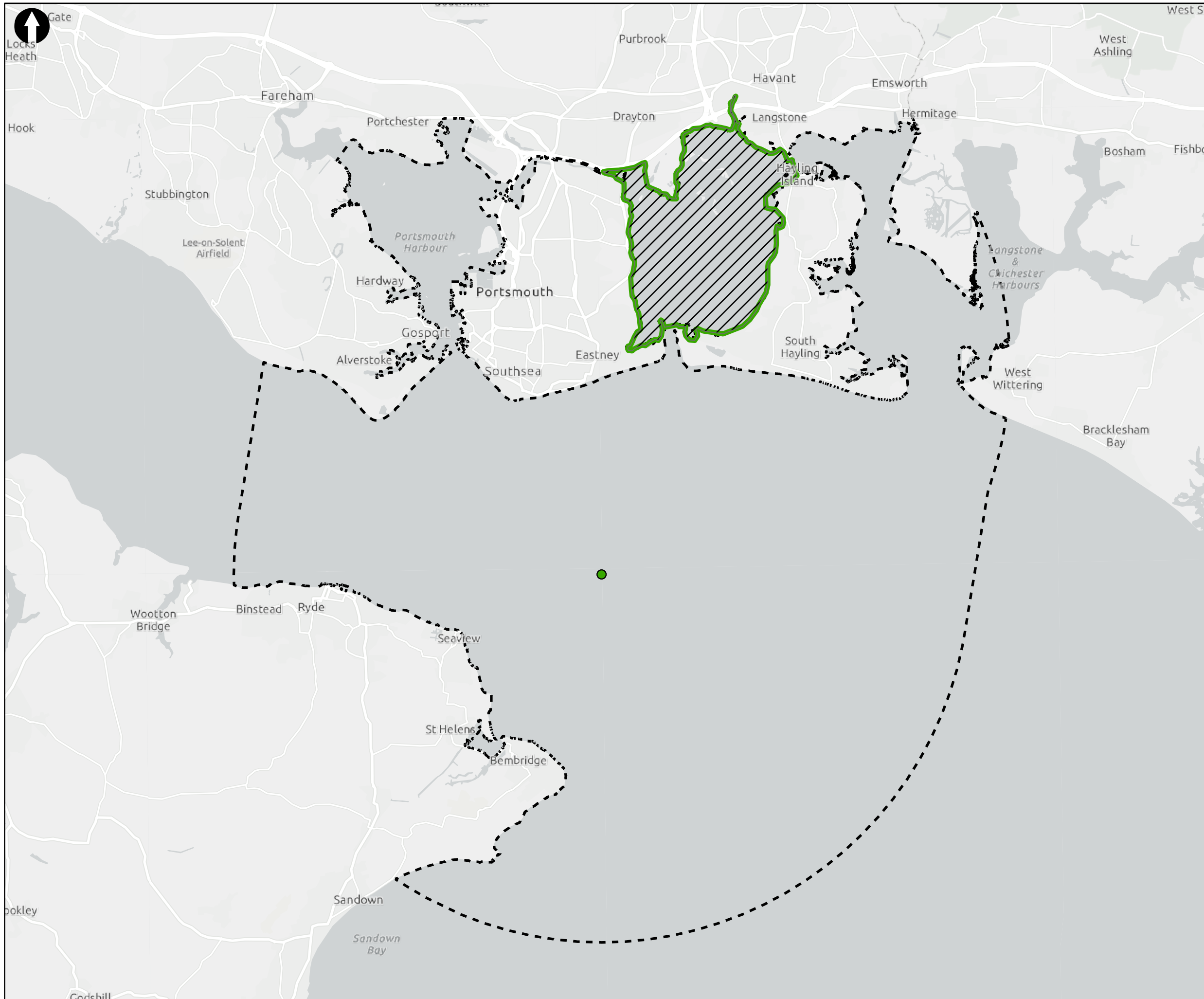
Figure 8.3
Priority Habitats
Sheet 8 of 8

Designed	ND	-	Check	MB	-
Drawn	ND	-	Review	MB	-
GIS Check	MB	-	Approved	MB	-
Scale at A3	Status	Rev	Security		
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Eastney Long Sea Outfall





Key to Symbols

- Study Area 1
- Study Area 2
- Eastney Long Sea Outfall Discharge Point
- Study Area 3 (Associated with the Construction Works Immediately Adjacent to the Marine Area and Flood Risk Zones)

Notes

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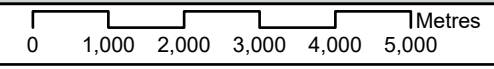
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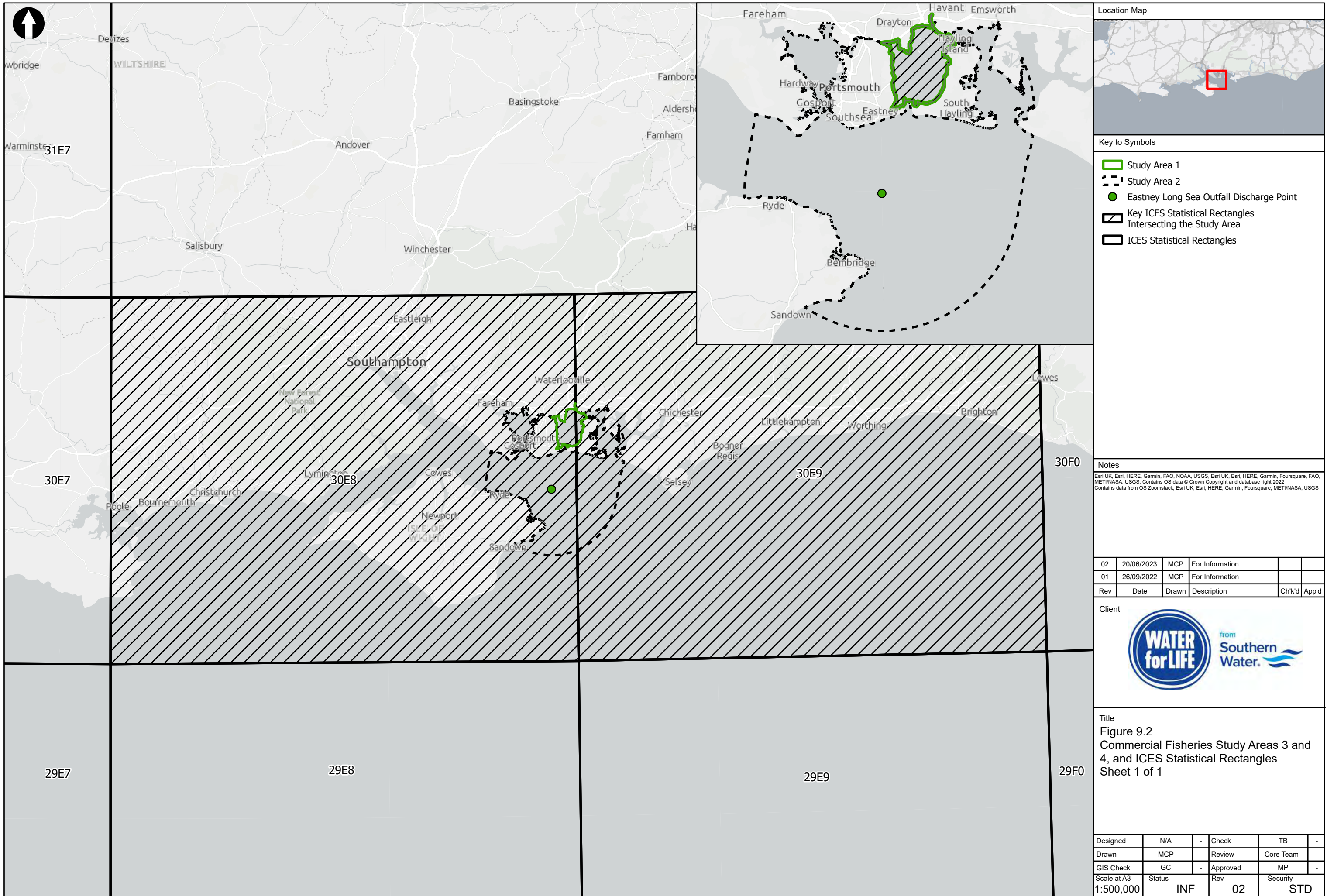
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Title

Figure 9.1
Marine Ecology Study Areas 1 and 2
 Sheet 1 of 1

Designed	N/A	-	Check	EH	-
Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	Rev	Security		
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Key to Symbols

- Study Area 1
- Study Area 2
- Eastney Long Sea Outfall Discharge Point
- Key ICES Statistical Rectangles Intersecting the Study Area
- ICES Statistical Rectangles

Notes

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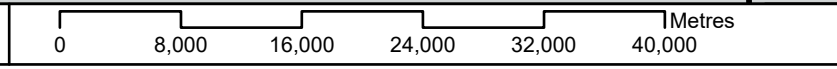
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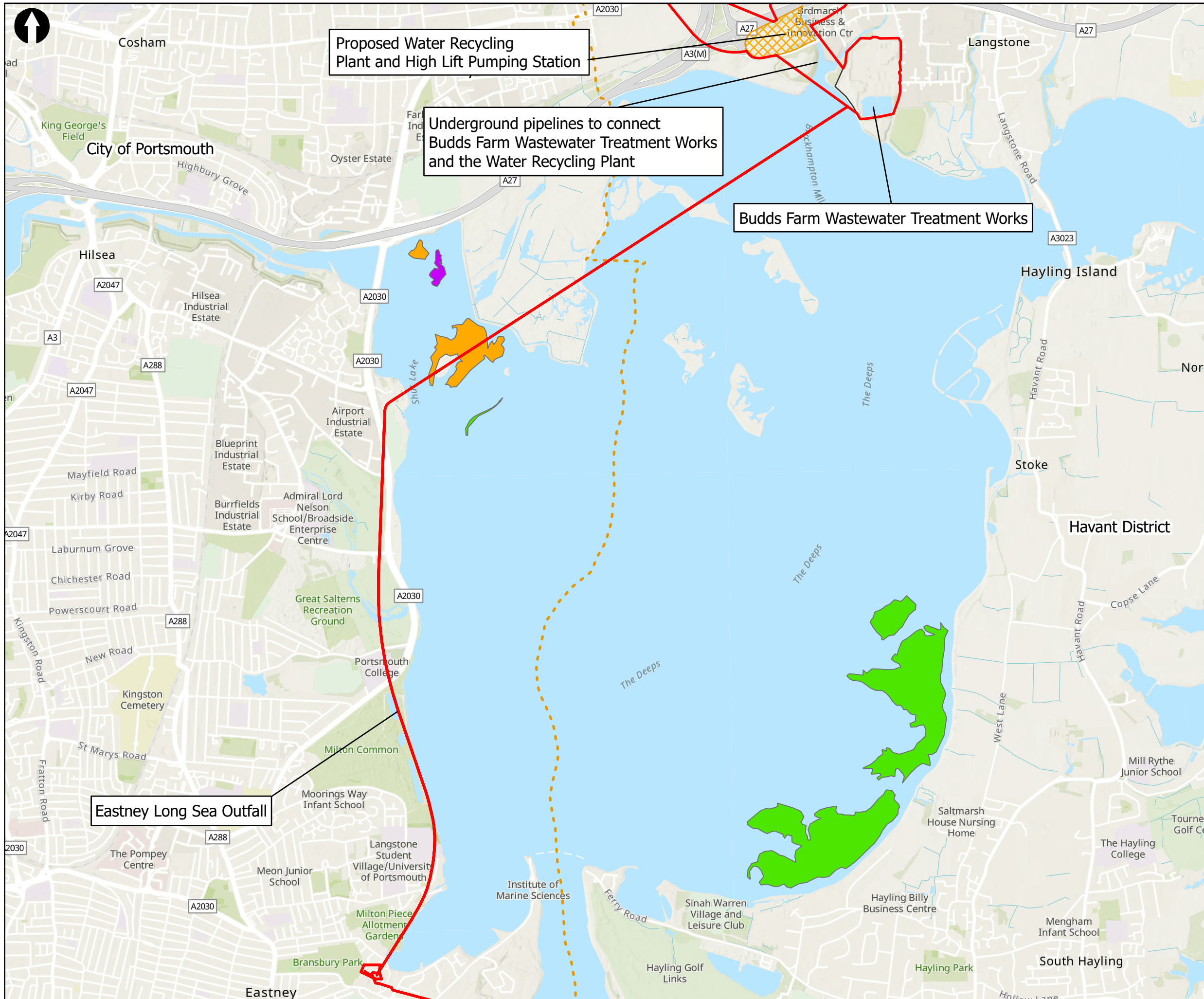


Title

Figure 9.2
Commercial Fisheries Study Areas 3 and 4, and ICES Statistical Rectangles
Sheet 1 of 1

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Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	Rev	Security		
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Proposed Water Recycling Plant and High Lift Pumping Station

Underground pipelines to connect Budds Farm Wastewater Treatment Works and the Water Recycling Plant

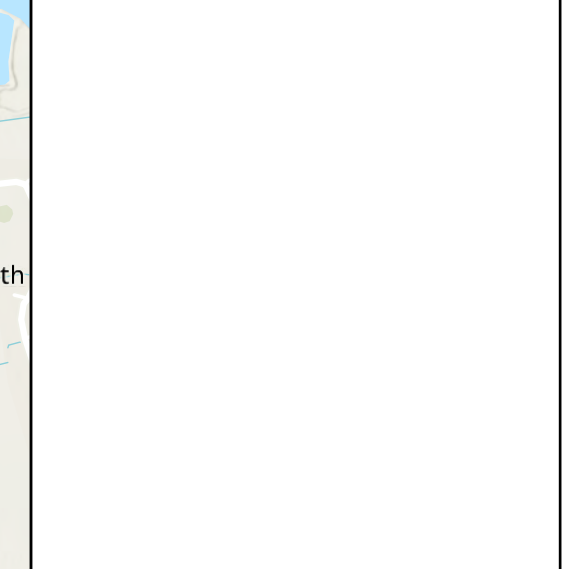
Budds Farm Wastewater Treatment Works

Eastney Long Sea Outfall



Key to Symbols

	Scoping Area		Langstone Harbour Seagrass 2022
	District boundary		Both
	Water Recycling Plant and High Lift Pumping Station		Z. marina
	Budds Farm Wastewater Treatment Works		Z. noltii

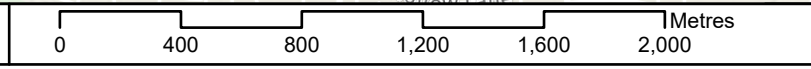


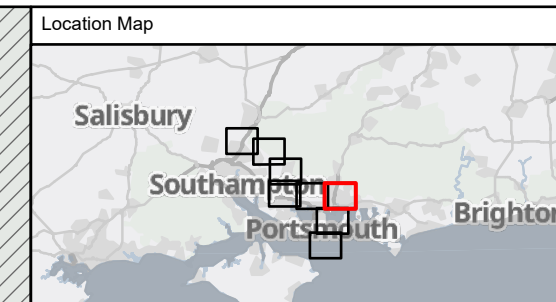
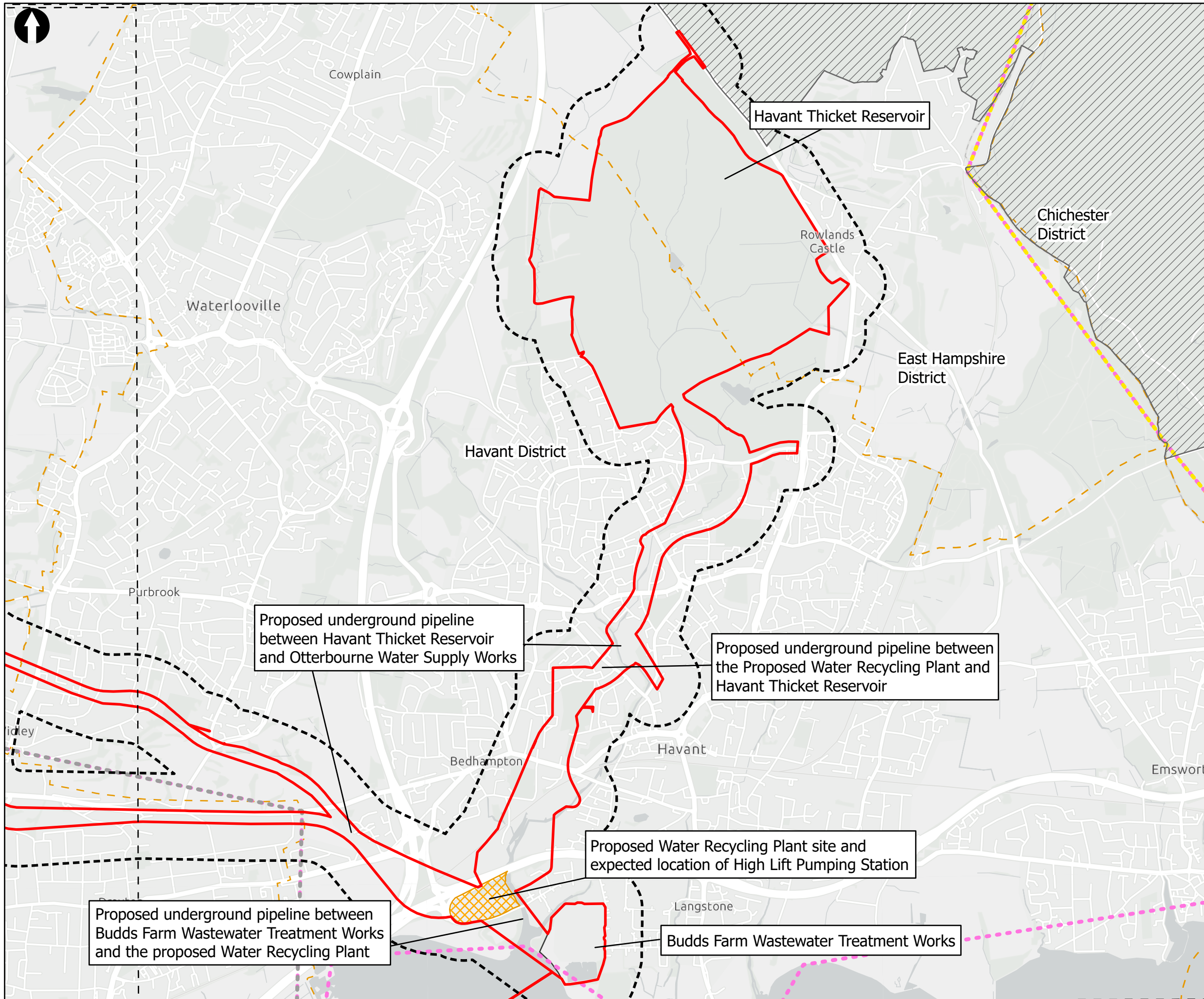
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Title
Figure 9.3
Seagrass beds mapped in Langstone Harbour during the seagrass survey

Designed	ND	-	Check	SF	-
Drawn	ND	-	Review	Core Team	-
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Key to Symbols

- Scoping Area
- 250m Study Area
- Extent boxes 25K
- Budds Farm Wastewater Treatment Works
- Water Recycling Plant and High Lift Pumping Station
- South Downs National Park Area
- District boundary
- Hampshire
- Portsmouth
- West Sussex

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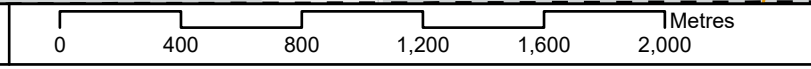
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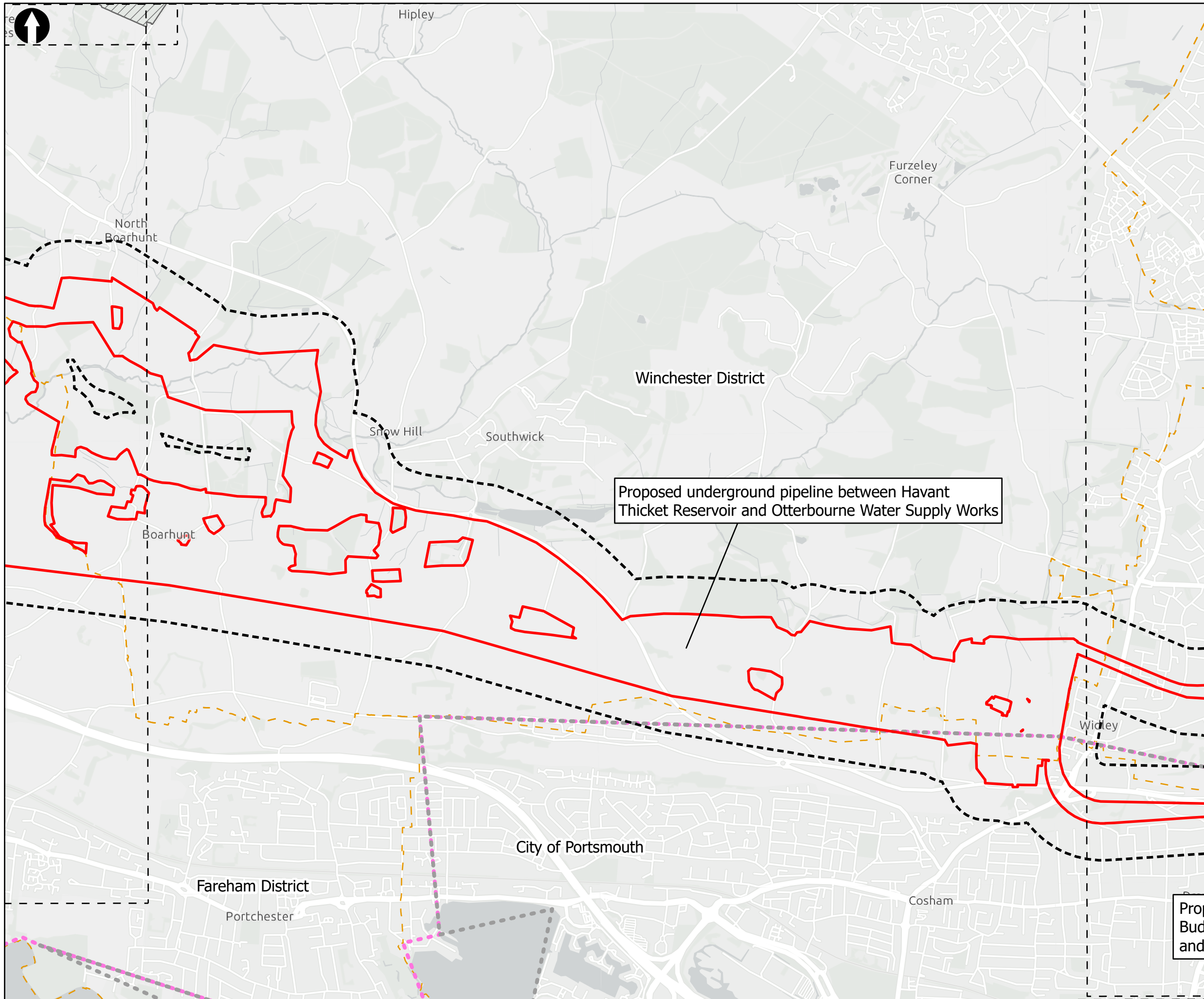

Title
 Figure 11.1
 Land quality and ground conditions Study Area
 Sheet 1 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
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Drawing Number
710166-SWS-XX-XX-DR-Z-00



Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 250m Study Area
- Extent boxes 25K
- South Downs National Park Area
- District boundary
- Hampshire
- Portsmouth

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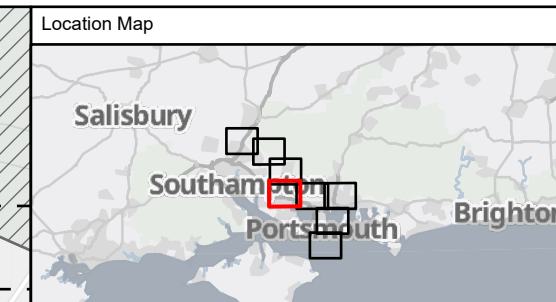
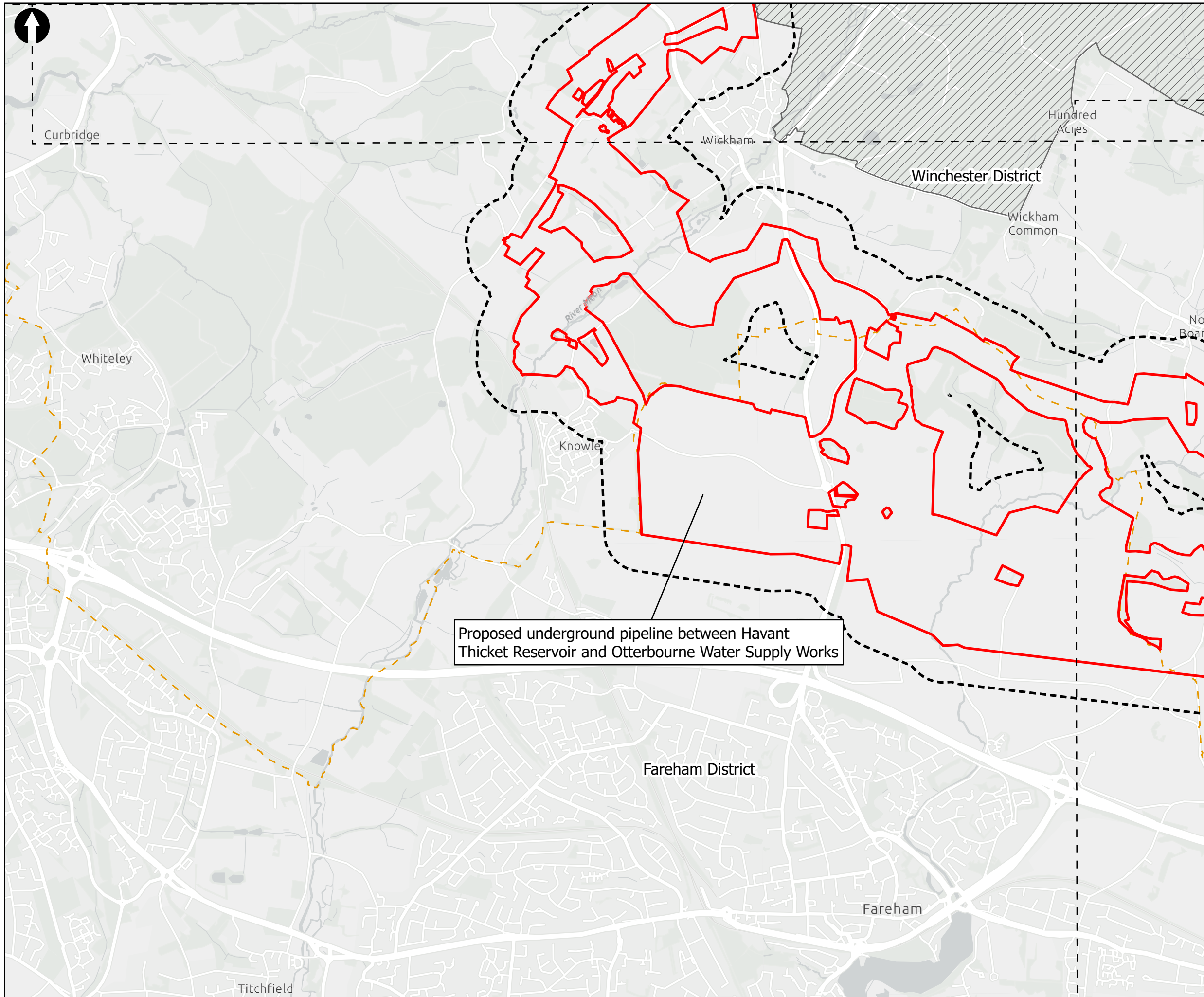
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Figure 11.1
Land quality and ground conditions Study Area
Sheet 2 of 6

Designed	N/A	-	Check	DF	-
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Scale at A3	Status	INF	Rev	02	Security
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Drawing Number
710166-SWS-XX-XX-DR-Z-00





Key to Symbols

- Scoping Area
- 250m Study Area
- Extent boxes 25K
- South Downs National Park Area
- District boundary
- Hampshire

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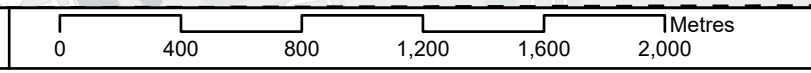
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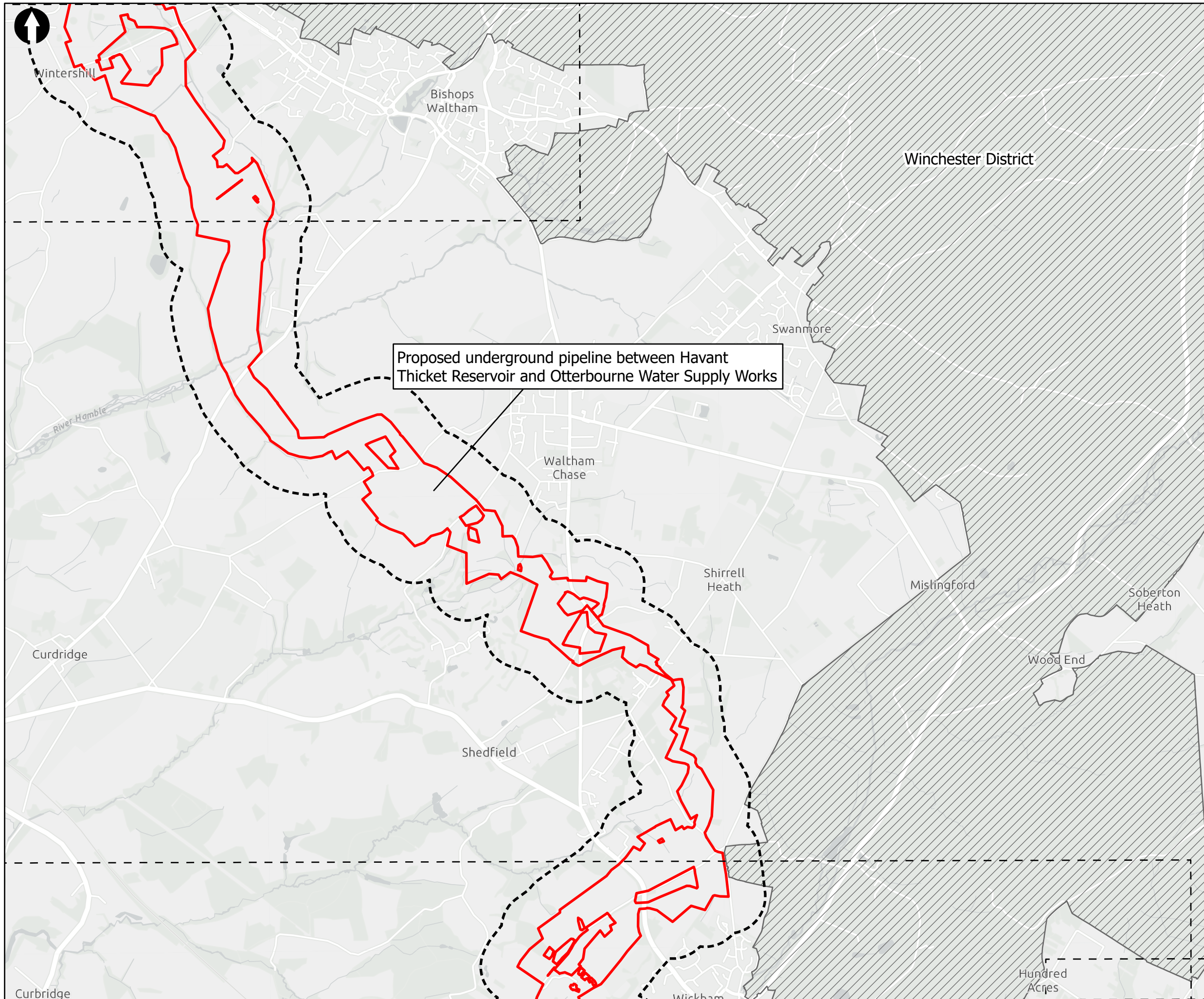
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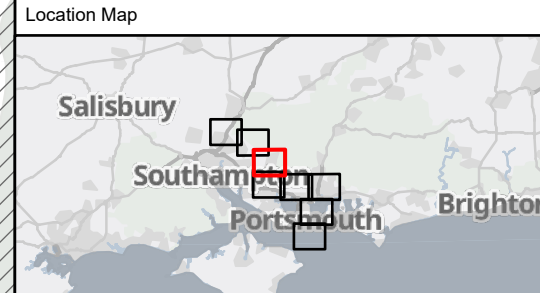

Title
 Figure 11.1
 Land quality and ground conditions Study Area
 Sheet 3 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	INF	Rev	02	Security
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 250m Study Area
- Extent boxes 25K
- South Downs National Park Area
- District boundary
- Hampshire

Winchester District

Swanmore

Waltham Chase

Shirrell Heath

Misingford

Soberton Heath

Wood End

Shedfield

Wickham

Hundred Acres

Curdrige

Curdrige

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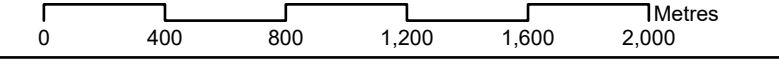
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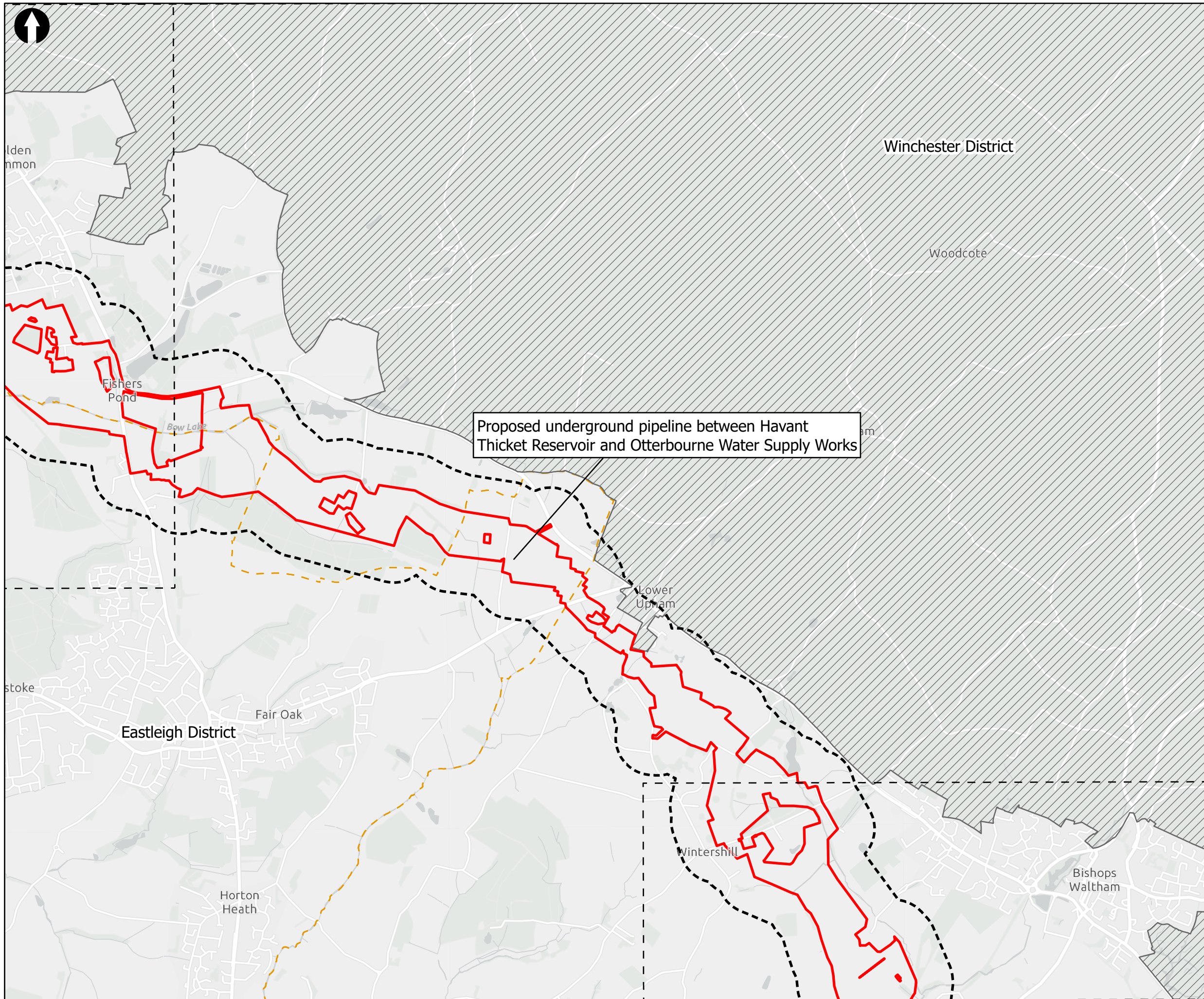


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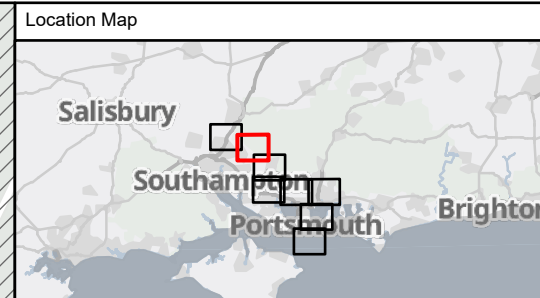
Figure 11.1
Land quality and ground conditions Study Area
Sheet 4 of 6

Designed	N/A	-	Check	DF	-
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Scale at A3	Status	INF	Rev	02	Security
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Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

- Scoping Area
- 250m Study Area
- Extent boxes 25K
- South Downs National Park Area
- District boundary
- Hampshire

Notes

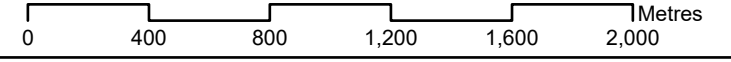
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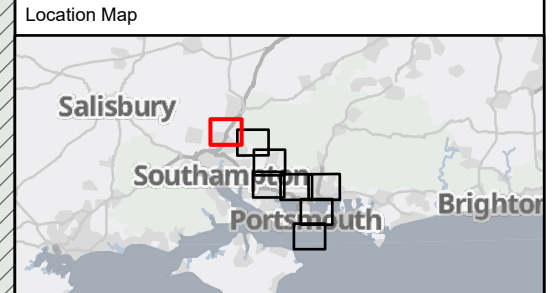
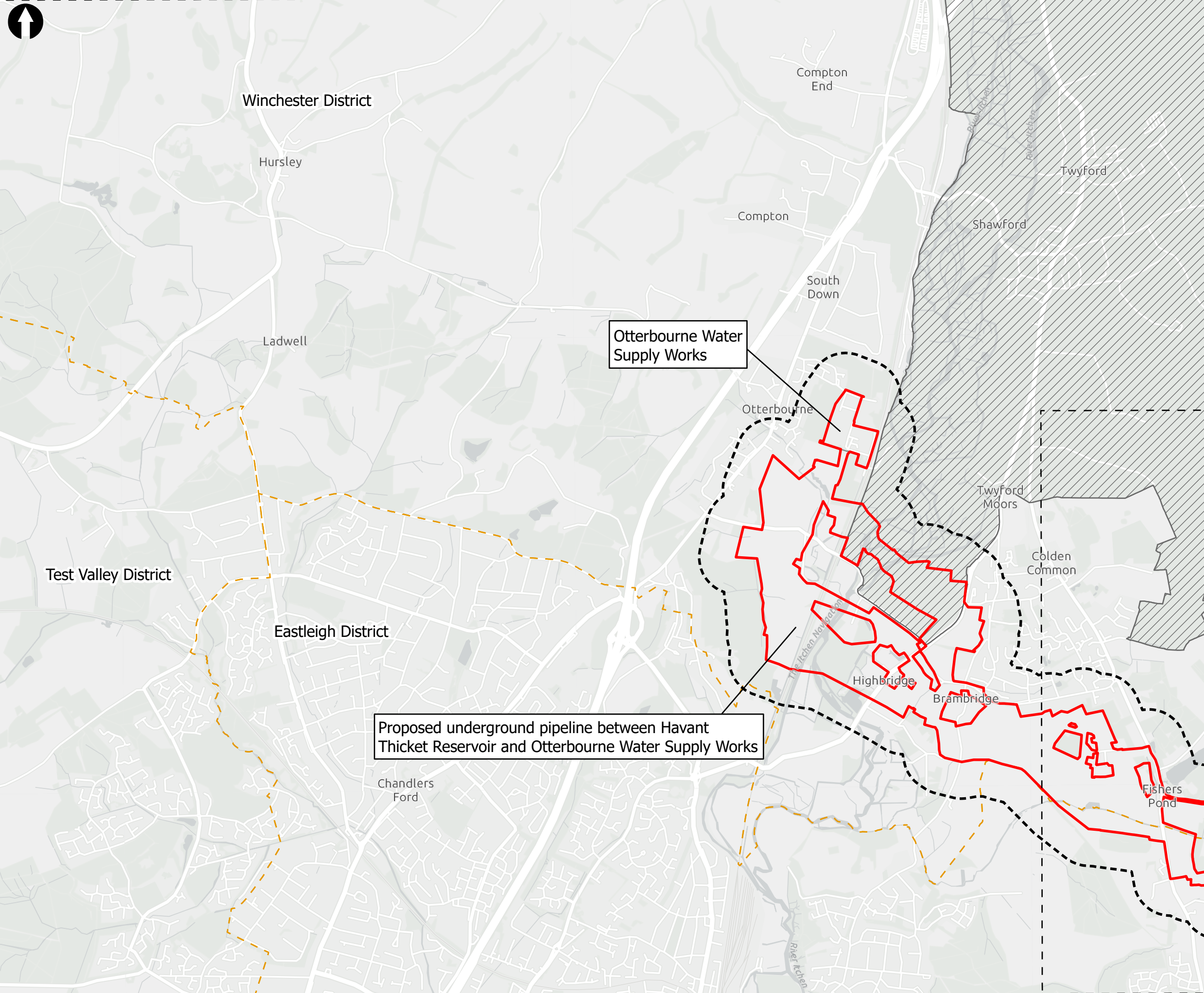
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Title
Figure 11.1
 Land quality and ground conditions Study Area
 Sheet 5 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
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Scale at A3	Status	INF	Rev	02	Security
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Key to Symbols

- Scoping Area
- 250m Study Area
- Extent boxes 25K
- Otterbourne Water Supply Works
- South Downs National Park Area
- District boundary
- Hampshire

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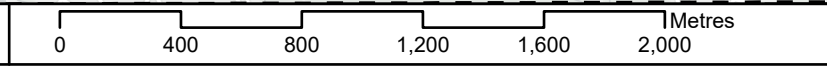
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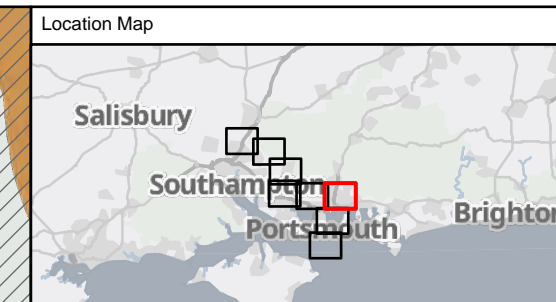
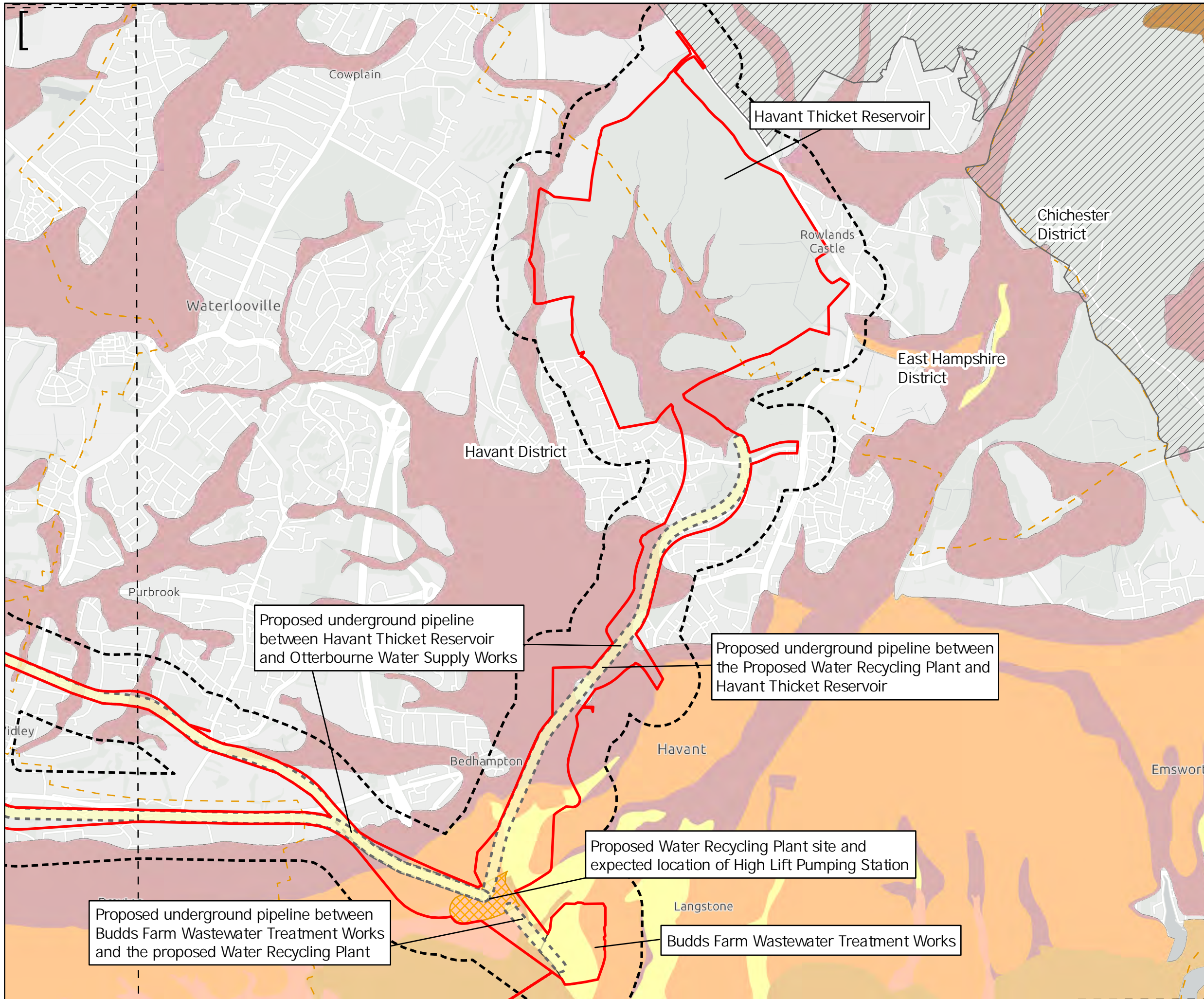
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Title
 Figure 11.1
 Land quality and ground conditions Study Area
 Sheet 6 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	INF	Rev	02	Security
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Key to Symbols

Scoping Area	River Terrace Deposits (Undifferentiated) - Gravel, Sand and Silt
Extent boxes 25K	River Terrace Deposits (Undifferentiated) - Sand, Silt and Clay
Tunnel Buffer (Zone of Influence)	Alluvium - Clay, Silt, Sand and Gravel
250m Study Area	Raised Beach Deposits - Sand and Gravel
South Downs National Park Area	Raised Marine Deposits - Sand and Gravel
District boundary	Clay-With Flints Formation - Clay, Silt, Sand and Gravel
Water Recycling Plant and High Lift Pumping Station	Beach and Tidal Flat Deposits (Undifferentiated) - Clay, Silt, Sand and Gravel
Budds Farm Wastewater Treatment Works	Tidal Flat Deposits - Clay and Silt
Otterbourne Water Supply Works	Tidal Flat Deposits - Clay, Silt, Sand and Gravel

Superficial Deposits 1:50000

Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay and Silt
Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay, Silt, Sand and Gravel
	Blown Sand - Sand

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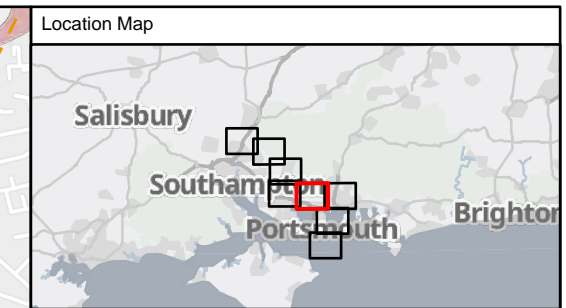
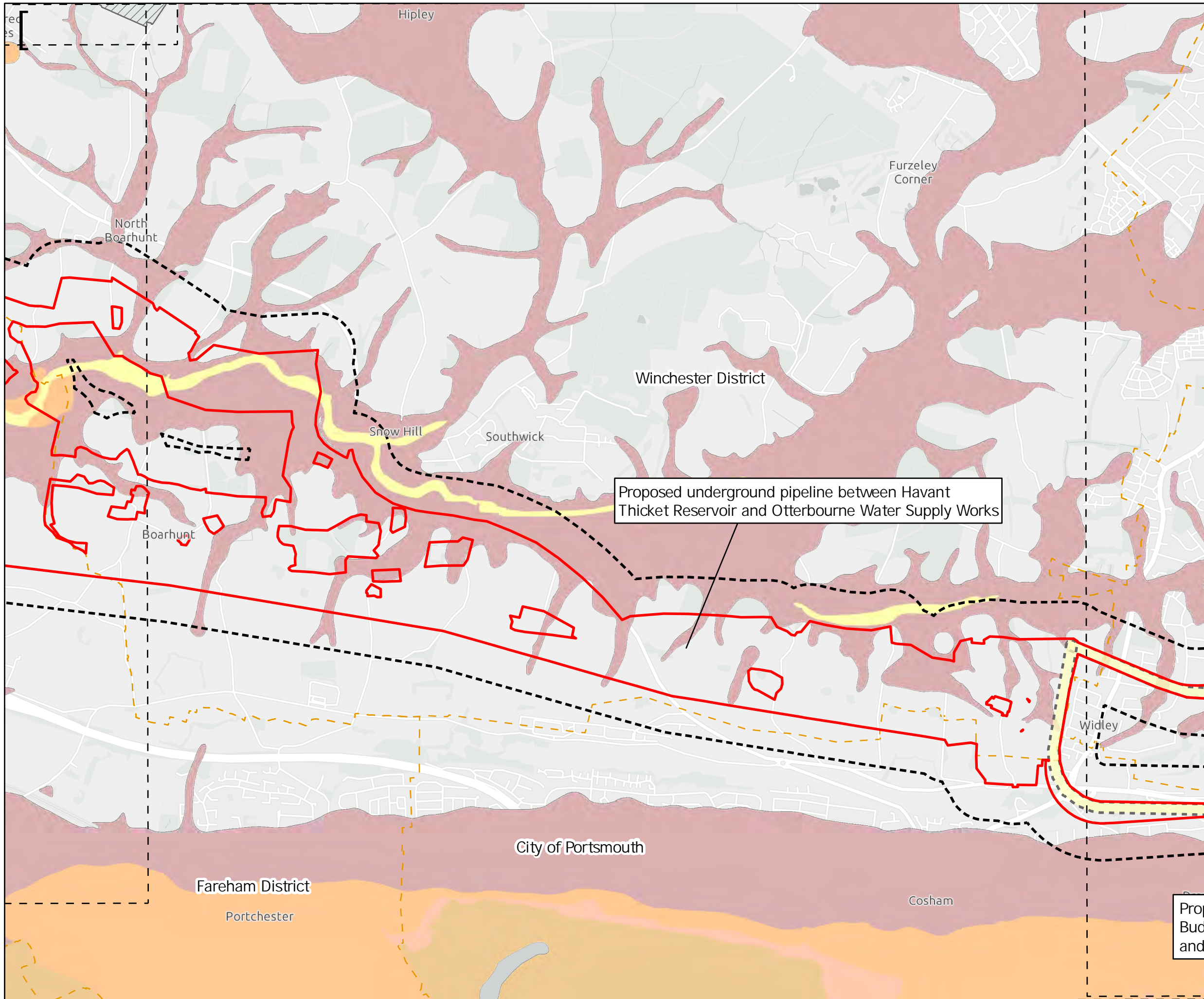
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Title
 Figure 11.2
 Superficial Geology of the Study Area
 Sheet 1 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	INF	Rev	02	Security
1:25,000					STD





Key to Symbols

Scoping Area	River Terrace Deposits (Undifferentiated) - Gravel, Sand and Silt
Extent boxes 25K	River Terrace Deposits (Undifferentiated) - Sand, Silt and Clay
Tunnel Buffer (Zone of Influence)	Alluvium - Clay, Silt, Sand and Gravel
250m Study Area	Raised Beach Deposits - Sand and Gravel
South Downs National Park Area	Raised Marine Deposits - Sand and Gravel
District boundary	Clay-With Flints Formation - Clay, Silt, Sand and Gravel
Water Recycling Plant and High Lift Pumping Station	Beach and Tidal Flat Deposits (Undifferentiated) - Clay, Silt, Sand and Gravel
Budds Farm Wastewater Treatment Works	Tidal Flat Deposits - Clay and Silt
Otterbourne Water Supply Works	Tidal Flat Deposits - Clay, Silt, Sand and Gravel

Superficial Deposits 1:50000

Head - Clay, Silt, Sand and Gravel	Blown Sand - Sand
Head - Clay, Silt, Sand and Gravel	

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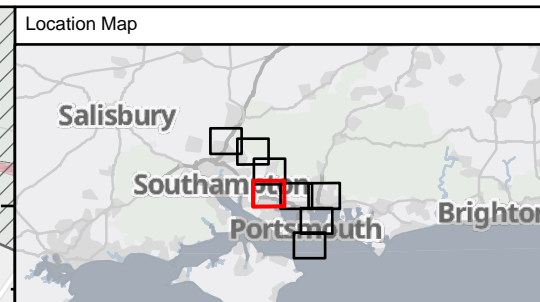
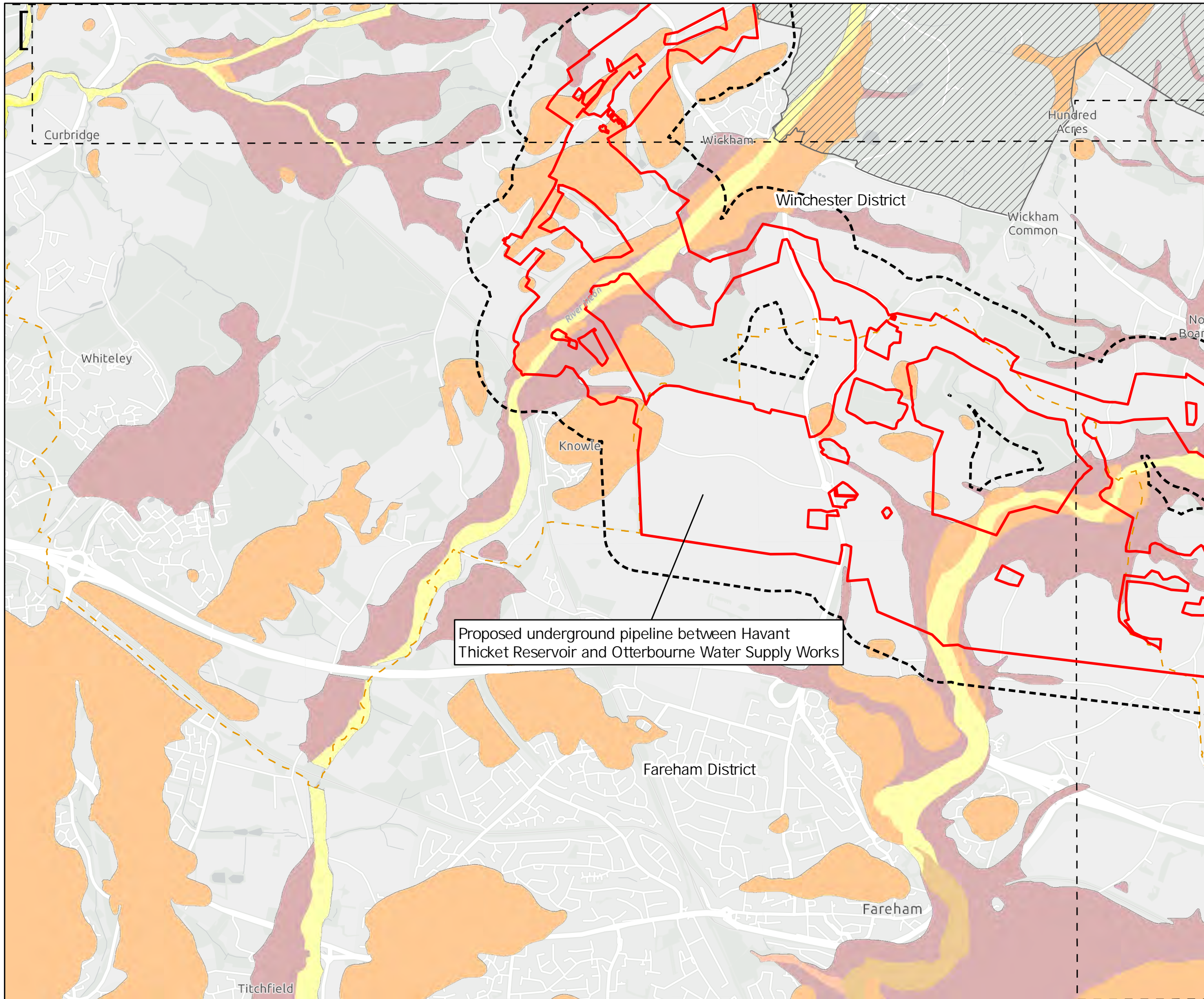
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Title
 Figure 11.2
 Superficial Geology of the Study Area
 Sheet 2 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
GIS Check	GC	-	Approved	MP	-
Scale at A3	Status	INF	Rev	02	Security
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Key to Symbols

Scoping Area	River Terrace Deposits (Undifferentiated) - Gravel, Sand and Silt
Extent boxes 25K	River Terrace Deposits (Undifferentiated) - Sand, Silt and Clay
Tunnel Buffer (Zone of Influence)	Alluvium - Clay, Silt, Sand and Gravel
250m Study Area	Raised Beach Deposits - Sand and Gravel
South Downs National Park Area	Raised Marine Deposits - Sand and Gravel
District boundary	Clay-With Flints Formation - Clay, Silt, Sand and Gravel
Water Recycling Plant and High Lift Pumping Station	Beach and Tidal Flat Deposits (Undifferentiated) - Clay, Silt, Sand and Gravel
Budds Farm Wastewater Treatment Works	Tidal Flat Deposits - Clay and Silt
Otterbourne Water Supply Works	Tidal Flat Deposits - Clay, Silt, Sand and Gravel

Superficial Deposits 1:50000

Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay and Silt
Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay, Silt, Sand and Gravel
	Blown Sand - Sand

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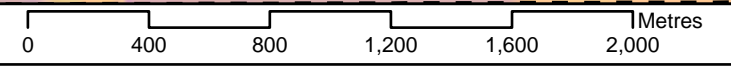
Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works

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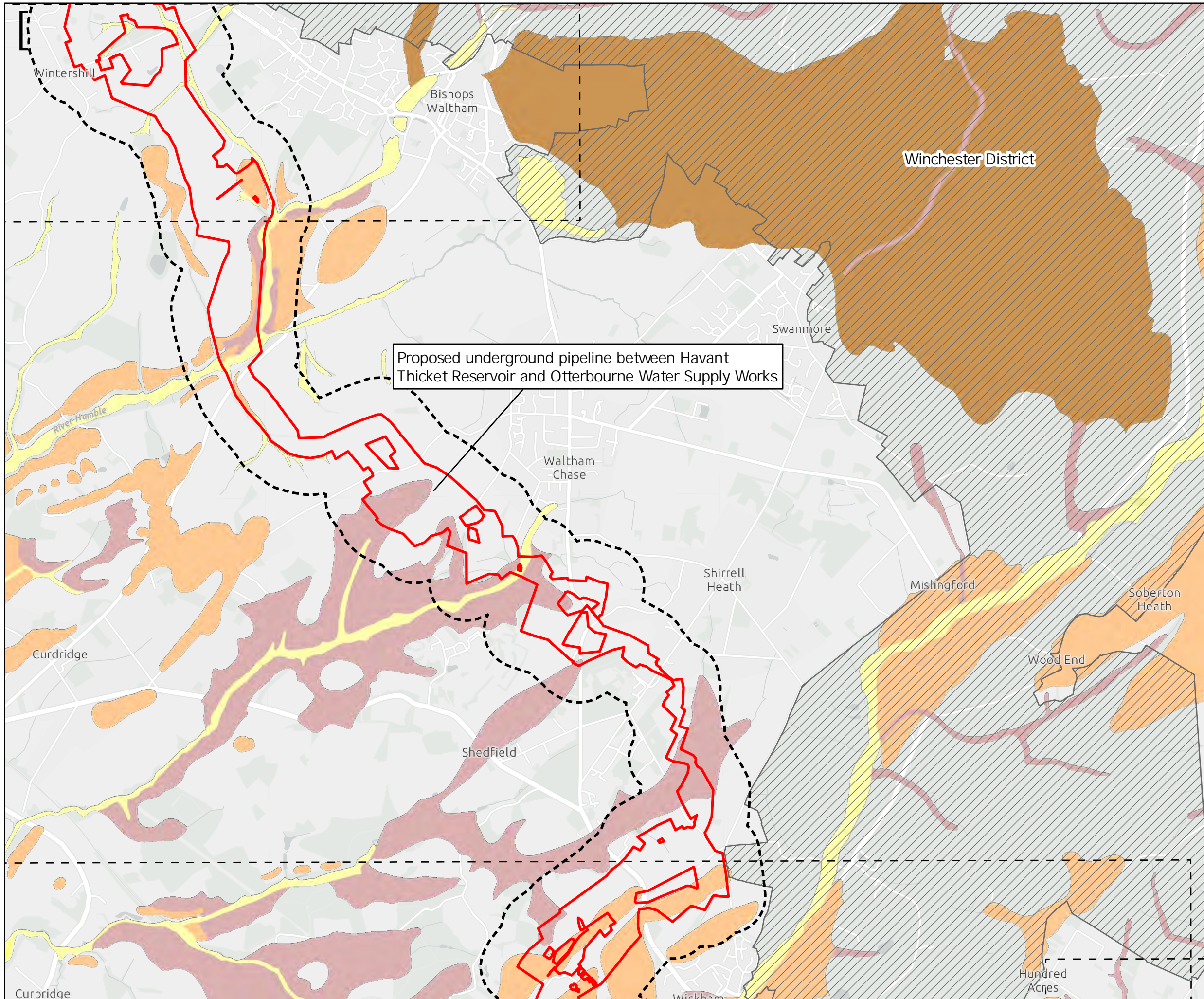


Title
 Figure 11.2
 Superficial Geology of the Study Area
 Sheet 3 of 6

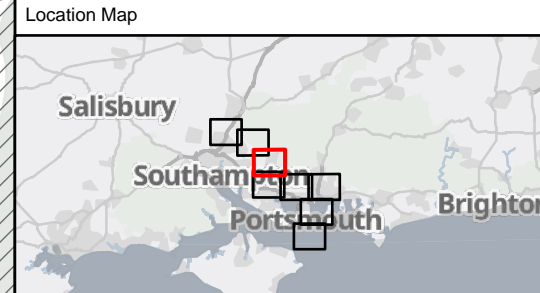
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Drawing Number
 710166-SWS-XX-XX-DR-Z-00



Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

Scoping Area	River Terrace Deposits (Undifferentiated) - Gravel, Sand and Silt
Extent boxes 25K	River Terrace Deposits (Undifferentiated) - Sand, Silt and Clay
Tunnel Buffer (Zone of Influence)	Alluvium - Clay, Silt, Sand and Gravel
250m Study Area	Raised Beach Deposits - Sand and Gravel
South Downs National Park Area	Raised Marine Deposits - Sand and Gravel
District boundary	Clay-With Flints Formation - Clay, Silt, Sand and Gravel
Water Recycling Plant and High Lift Pumping Station	Beach and Tidal Flat Deposits (Undifferentiated) - Clay, Silt, Sand and Gravel
Budds Farm Wastewater Treatment Works	Tidal Flat Deposits - Clay and Silt
Otterbourne Water Supply Works	Tidal Flat Deposits - Clay, Silt, Sand and Gravel
Superficial Deposits 1:50000	Blown Sand - Sand
Head - Clay, Silt, Sand and Gravel	
Head - Clay, Silt, Sand and Gravel	

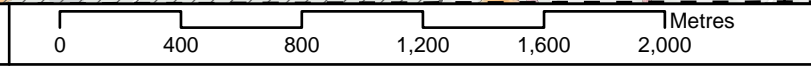
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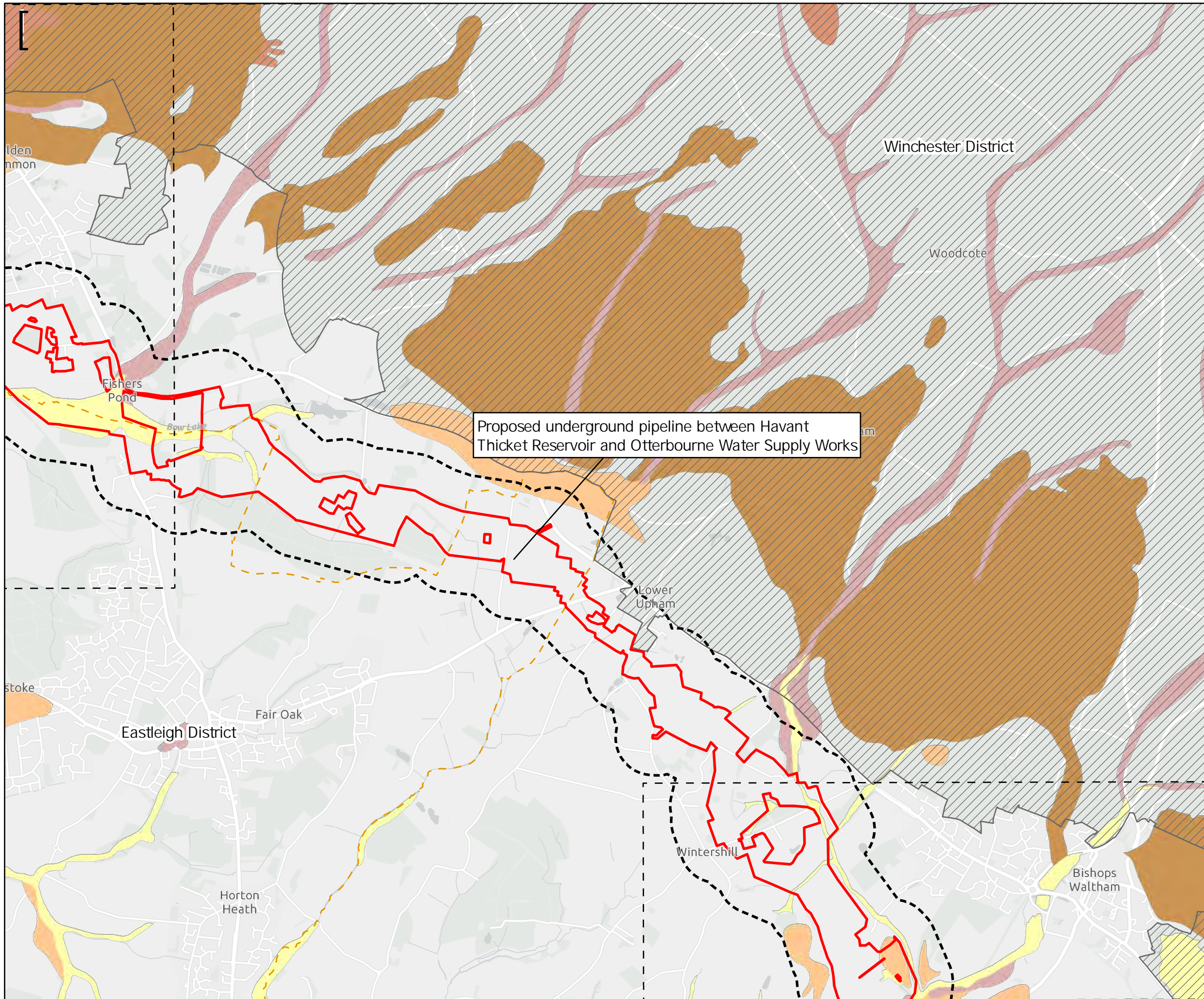


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 Figure 11.2
 Superficial Geology of the Study Area
 Sheet 4 of 6

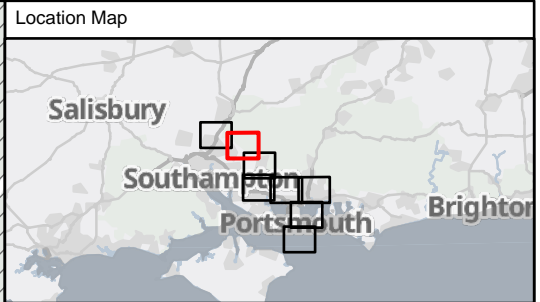
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Drawing Number: 710166-SWS-XX-XX-DR-Z-00



Proposed underground pipeline between Havant Thicket Reservoir and Otterbourne Water Supply Works



Key to Symbols

Scoping Area	River Terrace Deposits (Undifferentiated) - Gravel, Sand and Silt
Extent boxes 25K	River Terrace Deposits (Undifferentiated) - Sand, Silt and Clay
Tunnel Buffer (Zone of Influence)	Alluvium - Clay, Silt, Sand and Gravel
250m Study Area	Raised Beach Deposits - Sand and Gravel
South Downs National Park Area	Raised Marine Deposits - Sand and Gravel
District boundary	Clay-With Flints Formation - Clay, Silt, Sand and Gravel
Water Recycling Plant and High Lift Pumping Station	Beach and Tidal Flat Deposits (Undifferentiated) - Clay, Silt, Sand and Gravel
Budds Farm Wastewater Treatment Works	Tidal Flat Deposits - Clay and Silt
Otterbourne Water Supply Works	Tidal Flat Deposits - Clay, Silt, Sand and Gravel

Superficial Deposits 1:50000

Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay and Silt
Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay, Silt, Sand and Gravel
Head - Clay, Silt, Sand and Gravel	Blown Sand - Sand

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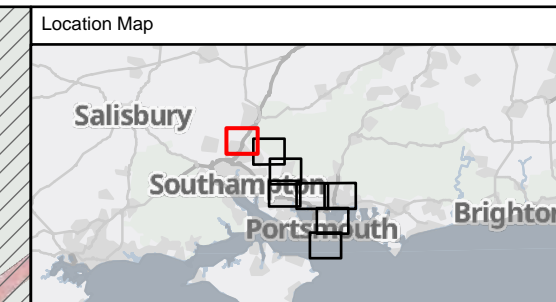
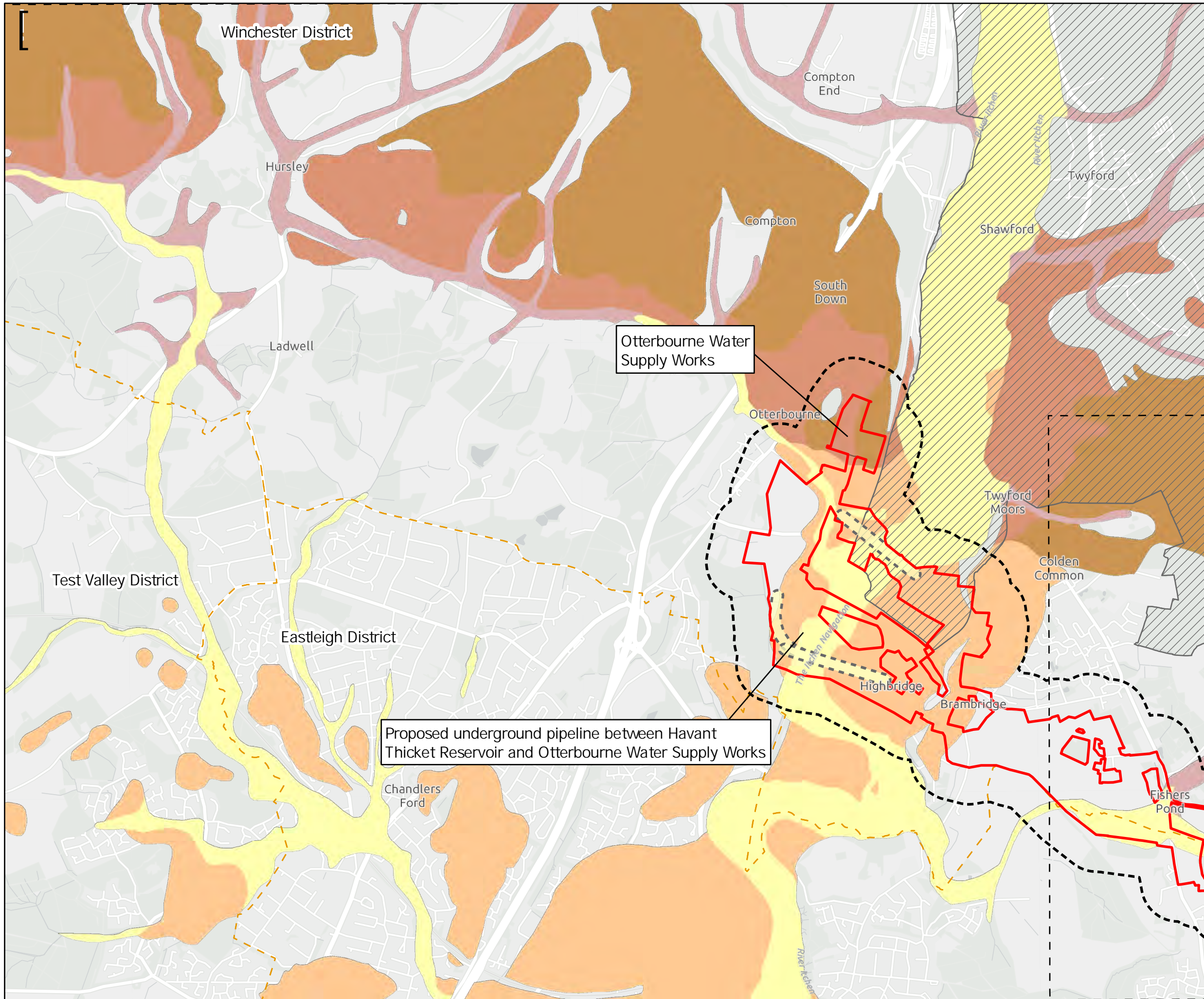
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Title
 Figure 11.2
 Superficial Geology of the Study Area
 Sheet 5 of 6

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Drawing Number
 710166-SWS-XX-XX-DR-Z-00



Key to Symbols

Scoping Area	River Terrace Deposits (Undifferentiated) - Gravel, Sand and Silt
Tunnel Buffer (Zone of Influence)	River Terrace Deposits (Undifferentiated) - Sand, Silt and Clay
250m Study Area	Alluvium - Clay, Silt, Sand and Gravel
South Downs National Park Area	Raised Beach Deposits - Sand and Gravel
District boundary	Raised Marine Deposits - Sand and Gravel
Water Recycling Plant and High Lift Pumping Station	Clay-With Flints Formation - Clay, Silt, Sand and Gravel
Budds Farm Wastewater Treatment Works	Beach and Tidal Flat Deposits (Undifferentiated) - Clay, Silt, Sand and Gravel
Otterbourne Water Supply Works	Tidal Flat Deposits - Clay and Silt

Superficial Deposits 1:50000

Head - Clay, Silt, Sand and Gravel	Tidal Flat Deposits - Clay, Silt, Sand and Gravel
Head - Clay, Silt, Sand and Gravel	Blown Sand - Sand

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Rev	Date	Drawn	Description	Ch'k'd	App'd
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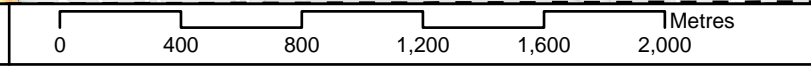
Client



from Southern Water

Title
 Figure 11.2
 Superficial Geology of the Study Area
 Sheet 6 of 6

Designed	N/A	-	Check	DF	-
Drawn	MCP	-	Review	Core Team	-
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