

# **Outer Dowsing Offshore Wind Preliminary Environmental Information Report Volume 1, Chapter 21: Onshore Ecology**

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## Abbreviations

Acronym	Expanded name
AIL	Abnormal Indivisible Load
AIS	Automatic Identification System
AoS	Area of Search
BAEF	Boston Alternative Energy Facility
BAP	Biodiversity Action Plan
BCT	Bat Conservation Trust
BNG	Biodiversity Net Gain
CIEEM	Chartered Institute of Ecology and Environmental Management
CIRIA	Construction Industry Research and Information Association
DAS	Discretionary Advice Service
DCO	Development Consent Order
Defra	Department for Environment, Food and Rural Affairs
DESNZ	Department for Energy Security and Net Zero, formerly Department of Business, Energy and Industrial Strategy (BEIS), which was previously Department of Energy & Climate Change (DECC)
ECC	Export Cable Corridor (offshore ECC or indicative onshore ECC)
EclA	Ecological Impact Assessment
EcMS	Ecological Management Strategy
ECoW	Ecological Clerk of Works
EIA	Environmental Impact Assessment
EMS	Environmental Management System
EPP	Evidence Plan Process
EPS	European Protected Species
EPSL	European Protected Species Licence
ES	Environmental Statement
ETG	Expert Topic Group
EU	European Union
GCN	Great Crested Newt
GIS	Geographical Information System
GLNP	Greater Lincolnshire Nature Partnership
GT R4 Ltd	The Applicant. The special project vehicle created in partnership between Corio Generation (a wholly owned Green Investment Group portfolio company), Gulf Energy Development and TotalEnergies
HDD	Horizontal Directional Drilling
HRA	Habitats Regulations Assessment
HSI	Habitat Suitability Index
IEF	Important Ecological Feature
IEMA	Institute of Environmental Management and Assessment
INNS	Invasive Non-Native Species
IPA	Important Plant Areas
IPC	Infrastructure Planning Commission
IUCN	International Union for Conservation of Nature

Acronym	Expanded name
JNCC	Joint Nature Conservation Committee
LCC	Lincolnshire County Council
LEDPP	Landscape and Ecology Design Principles Plan
LEMS	Landscape and Ecology Management Strategy
LNR	Local Nature Reserve
LWS	Local Wildlife Site
LWT	Lincolnshire Wildlife Trust
MAGIC	Multi-agency Geographic Information Centre
MDS	Maximum Design Scenario
MHWS	Mean High Water Springs
MLWS	Mean Low Water Springs
MMU	Minimum Mapping Unit
MS	Method Statement
N/A	Not Applicable
NIA	Nature Improvement Area
NERC	Natural Environment and Rural Communities
NGET	National Grid Electricity Transmission
NG OnSS	National Grid Onshore Substation
NGR	National Grid Reference
NNR	National Nature Reserve
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NSIP	Nationally Significant Infrastructure Project
ODOW	Outer Dowsing Offshore Wind (The Project)
OLEMS	Outline Landscape and Ecological Management Strategy
OnSS	Onshore Substation
OS	Ordnance Survey
OWF	Offshore Wind Farm
PEA	Preliminary Ecological Appraisal
PEIR	Preliminary Environmental Information Report
PPEIRP	Pollution Prevention and Emergency Incident Response Plan
RAM	Reasonable Avoidance Measures
RIAA	Report to inform Appropriate Assessment
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation
SoS	Secretary of State
SPA	Special Protection Areas
SSSI	Site of Special Scientific Interest
The Inspectorate	The Planning Inspectorate
UK	United Kingdom
WFD	Water Framework Directive
Zol	Zone of Influence

## Terminology

Term	Definition
Baseline	The status of the environment at the time of assessment without the development in place.
Biodiversity Net Gain	An approach to development that leaves biodiversity in a measurably improved state than it was previously. Where a development has an impact on biodiversity, developers are encouraged to provide an increase in appropriate natural habitat and ecological features over and above that being affected, to ensure that the current loss of biodiversity through development will be halted and ecological networks can be restored.
Cumulative Effect	The combined effect of the Project acting cumulatively with the effects of a number of different projects, on the same single receptor/resource.
Damage	Damage here means any form of impact such as loss of habitat, soil compaction, changes in hydrology, nutrient enrichment, pollution, disturbance of species, spread of invasive species, etc.
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for a Nationally Significant Infrastructure Project (NSIP) from the Secretary of State (SoS) for Department for Energy Security and Net Zero (DESNZ).
Effect	Term used to express the consequence of an impact.
Environmental Impact Assessment (EIA)	A statutory process by which certain planned projects must be assessed before a formal decision to proceed can be made. It involves the collection and consideration of environmental information, which fulfils the assessment requirements of the Environmental Impact Assessment (EIA) Regulations, including the publication of an Environmental Statement (ES).
EIA Directive	European Union 2011/92/EU of 13 December 2011 (as amended in 2014 by Directive 2014/52/EU)
EIA Regulations	Infrastructure Planning (Environmental Impact Assessment) Regulations 2017.
Environmental Statement (ES)	The suite of documents that detail the processes and results of the Environmental Impact Assessment (EIA).
Evidence Plan	A voluntary process of stakeholder consultation with appropriate Expert Topic Groups (ETGs) that discusses and, where possible, agrees the detailed approach to the Environmental Impact Assessment (EIA) and information to support Habitats Regulations Assessment (HRA) for those relevant topics included in the process, undertaken during the pre-application period.
Habitats Regulations Assessment (HRA)	Habitats Regulations Assessment. A process which helps determine likely significant effects and (where appropriate) assesses adverse impacts on the integrity of European conservation sites and Ramsar sites. The process consists of up to four stages of assessment: screening, appropriate assessment, assessment of alternative solutions and assessment of imperative reasons of over-riding public interest (IROPI) and compensatory measures.
Haul Road	The track within the onshore ECC which the construction traffic would use to facilitate construction.
Impact	An impact to the receiving environment is defined as any change to its baseline condition, either adverse or beneficial.



Term	Definition
Indicative Working Width	The indicative working width within the Export Cable Corridor (ECC), required for the construction of the onshore cable route.
Intertidal	Area where the ocean meets the land between high and low tides.
Joint Bays	A joint bay provides a secure environment for the assembly of cable joints as well as bonding and earthing leads. A joint bay is installed between each length of cable.
Landfall	The location at the land-sea interface where the offshore export cable will come ashore.
Link Boxes	Underground chambers or above ground cabinets next to the cable trench housing electrical earthing links.
Maximum Design Scenario	The maximum design parameters of the combined project assets that result in the greatest potential for change in relation to each impact assessed
Mitigation	Mitigation measures, or commitments, are commitments made by the Project to reduce and/or eliminate the potential for significant effects to arise as a result of the Project. Mitigation measures can be embedded (part of the project design) or secondarily added to reduce impacts in the case of potentially significant effects.
National Grid's OnSS	Onshore substation which is owned and operated by National Grid
National Policy Statement (NPS)	A document setting out national policy against which proposals for Nationally Significant Infrastructure Projects (NSIPs) will be assessed and decided upon.
Non-statutory consultee	Organisations that the Applicant may be required to (under Section 42 of the 2008 Act) or may otherwise choose to engage during the pre-application phases (if, for example, there are planning policy reasons to do so) who are not designated in law but are likely to have an interest in a proposed development.
Outer Dowsing Offshore Wind (ODOW)	The Project
Onshore Export Cable Corridor (ECC)	The Onshore Export Cable Corridor (Onshore ECC) is the area within which the export cable running from the landfall to the onshore substation will be situated.
Onshore substation (OnSS)	The Project's onshore substation, containing electrical equipment to enable connection to the National Grid.
Onshore Infrastructure	The combined name for all onshore infrastructure associated with the Project from landfall to grid connection.
Pre-construction and post-construction	The phases of the Project before and after construction takes place.
Preliminary Environmental	The PEIR is written in the style of a draft Environmental Statement (ES) and provides information to support and inform the statutory consultation process in the pre-application phase. Following that consultation, the PEIR

Term	Definition
Information Report (PEIR)	documentation will be updated to produce the Project's ES that will accompany the application for the Development Consent Order (DCO).
PEIR Boundary	The PEIR Boundary is outlined in Figure 3.1 of Volume 1, Chapter 3: Project Description and comprises the extent of the land and/or seabed for which the PEIR assessments are based upon.
Receptor	A distinct part of the environment on which effects could occur and can be the subject of specific assessments. Examples of receptors include species (or groups) of animals or plants, people (often categorised further such as 'residential' or those using areas for amenity or recreation), watercourses etc.
Statutory Consultee	Organisations that are required to be consulted by the Applicant, the Local Planning Authorities and/or The Inspectorate during the pre-application and/or examination phases, and who also have a statutory responsibility in some form that may be relevant to the Project and the DCO application. This includes those bodies and interests prescribed under Section 42 of the Planning Act 2008.
Study Area	Area(s) within which environmental impact may occur - Area within which the desk-based studies for habitats and species have been undertaken. Habitats and species have bespoke study areas which are described within this chapter.
Survey Area	Area within which the field-based surveys for habitats and species have been undertaken. Habitats and species may have bespoke survey areas.
The Planning Inspectorate	The agency responsible for operating the planning process for Nationally Significant Infrastructure Projects (NSIPs).
The Project	Outer Dowsing Offshore Wind including proposed onshore and offshore infrastructure
Transition Joint Bay (TJBs)	The offshore and onshore cable circuits are jointed on the landward side of the sea defences/beach in a Transition Joint Bay (TJB). The TJB is an underground chamber constructed of reinforced concrete which provides a secure and stable environment for the cable.
Trenchless technique	Trenchless technology is an underground construction method of installing, repairing and renewing underground pipes, ducts and cables using techniques which minimize or eliminate the need for excavation. Trenchless technologies involve methods of new pipe installation with minimum surface and environmental disruptions. These techniques may include Horizontal Directional Drilling (HDD), thrust boring, auger boring, and pipe ramming, which allow ducts to be installed under an obstruction without breaking open the ground and digging a trench.
Trenched technique	Trenching is a construction excavation technique that involves digging a narrow trench in the ground for the installation, maintenance, or inspection of pipelines, conduits, or cables.

## 21 Onshore Ecology

### 21.1 Introduction

- 21.1.1 This Chapter of the Preliminary Environmental Information Report (PEIR) presents the results to date of the Environmental Impact Assessment (EIA) process for the potential impacts of Outer Dowsing Offshore Wind (“the Project”) on Onshore Ecology, including biodiversity and nature conservation receptors, but excluding birds. Breeding and wintering birds and sites designated for birds are discussed in Volume 1, Chapter 22: Onshore Ornithology. Specifically, this Chapter considers the potential impact of the Project from the mean high water spring (MHWS), along the Onshore Export Cable Corridor (onshore ECC), and incorporating the Onshore substation (OnSS) during the construction, operation and maintenance, and decommissioning phases. Additionally, alongside the PEIR a draft Report to Inform Appropriate Assessment (RIAA) has been produced (Document reference 7.1).
- 21.1.2 This assessment is preliminary as many ecological baseline surveys are ongoing with only the desk study and preliminary habitat, badger (*Meles meles*) and bat roost assessment surveys largely complete at the time of writing. Information from the remaining baseline surveys will be incorporated at the Environmental Statement (ES) stage.
- 21.1.3 Ongoing surveys include those for bats (activity and presence / absence and roost characterisation), otter (*Lutra lutra*), water vole (*Arvicola amphibius*), great crested newt (GCN)(*Triturus cristatus*), reptiles and habitats.
- 21.1.4 GT R4 Limited (trading as Outer Dowsing Offshore Wind) hereafter referred to as the 'Applicant', is proposing to develop the Project. The Project will be located approximately 54km from the Lincolnshire coastline in the southern North Sea. The Project will include both offshore and onshore infrastructure including an offshore generating station (windfarm), export cables to landfall, onshore cables, and connection to the electricity transmission network, and ancillary and associated development (see Volume 1, Chapter 3: Project Description for full details).
- 21.1.5 There are three OnSS locations under consideration in this PEIR; Lincolnshire Node, Weston Marsh North and Weston Marsh South. All of these options share a common landfall at Wolla Bank where the onshore ECC will come ashore and continue on to the adopted OnSS option. There are also three Onshore ECC options under consideration, one to the Lincolnshire Node connection point and two options under consideration for the Weston Marsh connection point. All onshore ECC options are defined by a 300m width corridor within which the onshore ECC would be developed. As a collective, the landfall, onshore ECC and OnSS search zones are referred to as the onshore PEIR Boundary. Figure 3.1 in Volume 1, Chapter 3: Project Description illustrates the extent of the PEIR Boundary for the three options.
- 21.1.6 Relevant technical appendices that should be read alongside this Chapter include:
- Volume 2, Appendix 21.1 – Onshore Ecology Desk Study;
  - Volume 2, Appendix 21.2– Preliminary Habitat Study Report;
  - Volume 2, Appendix 21.3 – Preliminary Bat Roost Assessment Report;

- Volume 2, Appendix 21.4 – Badger Survey Report; and
- Document Reference 8.7 – Landscape and Ecology Design Principles Plan (LEDPP).

21.1.7 Breeding and wintering birds and sites designated for birds are discussed in Volume 1, Chapter 22: Onshore Ornithology.

21.1.8 Intertidal habitats are discussed separately in Volume 1, Chapter 9: Benthic and Intertidal Ecology.

## **21.2 Statutory and Policy Context**

21.2.1 The relevant legislation and planning policy for offshore renewable energy Nationally Significant Infrastructure Projects (NSIPs), specifically in relation to Onshore Ecology, is outlined in Table 21.1 below.

Table 21.1: Legislation and Policy Context

Legislation/policy	Key provisions	Section where key provisions addressed
Legislation		
Conservation of Habitats and Species Regulations 2017 (as amended)	<p>Protection of Special Protection Areas (SPA) and Special Areas of Conservation (SAC).</p> <p>Protection of certain animal species and their resting places or shelter, including but not limited to all species of bat, great crested newt (<i>Triturus cristatus</i>), otter (<i>Lutra lutra</i>) and natterjack toad (<i>Epidalea calamita</i>).</p> <p>Protection of certain plant species, including but not limited to creeping marshwort (<i>Apium repens</i>) and floating-leaved water plantain (<i>Luronium natans</i>).</p>	The relevant provisions of the Conservation of Habitat and Species Regulations are addressed in sections 21.4 to 21.9
Wildlife and Countryside Act 1981 (as amended)	<p>Protection of certain animals and plant species and their place of shelter or protection including species of bird listed under Schedule 1, species of invertebrate, all species of bat, water vole and otter listed under Schedule 5, plant species protected under Schedule 8.</p> <p>Prohibition of allowing certain non -native plant species listed in Schedule 9(14) to grow or spread in the wild.</p>	The relevant provisions of the Wildlife and Countryside Act are addressed in sections 21.4 to 21.9
The Environment Act 2021	<p>The Environment Act has wide ranging provisions including those around Environmental governance, Environmental regulation, Waste and resource efficiency, Air quality and environmental recall, Water, Nature and biodiversity, and Conservation covenants.</p> <p>Schedule 15 of the 2021 Act is of particular relevance, and introduces “biodiversity gain in nationally significant infrastructure projects (NSIP)”. The part of the Environment Act relating to biodiversity net gain (and the associated amendments to the Planning Act 2008) is not yet in force, with the parts relating to NSIPs unlikely to commence until November 2025.</p>	The relevant provisions of the Environment Act are addressed in sections 21.4 to 21.9

Legislation/policy	Key provisions	Section where key provisions addressed
Protection of Badgers Act 1992	Protection of badgers ( <i>Meles meles</i> ) from killing and injury (section 1) and disturbance whilst occupying a sett (section 3). The 1992 Act makes it an offence to obstruct, damage or destroy a sett (section 3).	The relevant provisions of the Protection of Badgers Act are provided in confidential Volume 2, Appendix 21.4: Badger Survey.
Natural Environment and Rural Communities (NERC) Act 2006	This Act obliges the Secretary of State (SoS) to compile a list of habitats and species of principal importance in England. The list includes 56 habitats and 943 species first identified as Priority Habitats and species in the UK Biodiversity Action Plan. Relevant Priority Habitats are detailed in Section 1.4 Priority species include common toad, natterjack toad, great crested newt, species of alga, invertebrates, birds, fish, fungi, lichen, water vole ( <i>Arvicola amphibius</i> ), otter, hedgehog ( <i>Erinaceus europaeus</i> ), brown hare ( <i>Lepus lepus</i> , harvest mouse ( <i>Micromys minutus</i> ), common seal ( <i>Phoca vitulina</i> ), noctule bat ( <i>Nyctalus noctule</i> ), barbastelle bat ( <i>Barbastellus barbastellus</i> ), Bechstein's bat ( <i>Myotis bechsteinii</i> ), soprano pipistrelle bat ( <i>Pipistrellus pygmaeus</i> ) and brown long-eared bat ( <i>Plecotus auritus</i> ).	The relevant provisions of the NERC Act are addressed in sections 21.4 to 21.9.
Hedgerow Regulations 1997	Protection of hedgerows deemed “important” under ecological or historical criteria set out in the Regulations.	The relevant provisions of the Hedgerow Regulations are addressed in sections 21.4 to 21.9.
The Water Environment (Water Framework Directive (England and Wales) Regulations 2017	The Water Framework Directive is transposed into law in England and Wales by The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (the 2017 Regulations). Part 3 of the regulations provide for the protection of areas of habitats or species where maintenance of the status of water is an important factor. Under the regulations additional consideration may need to be given to sites in the form of a Water Framework Directive (WFD) assessment where a project lies in proximity to a water body or to linked water bodies which could be affected. This includes consideration of whether water bodies are WFD receptors, in particular those of high status or which have high status morphology.	WFD assessment is provided in Volume 2, Appendix 8.1: Water Framework Directive.

Legislation/policy	Key provisions	Section where key provisions addressed
National Planning Policy		
Government Circular 06/05	This circular provides administrative guidance on the application of Biodiversity and geological conservation law relating to planning and nature conservation as it applies in England. It complements the national planning policy in the National Planning Policy Framework and the relevant planning practice guidance.	The relevant guidance is taken into account in sections 21.4 to 21.9.
National Planning Policy Framework	<p><u>Section 15: Conservation and enhancing the natural environment:</u></p> <p><i>174. 'Planning policies and decisions should contribute to and enhance the natural and local environment by:</i></p> <p><i>a) protecting and enhancing valued landscapes, sites of biodiversity or geological value and soils (in a manner commensurate with their statutory status or identified quality in the development plan);</i></p> <p><i>b) recognising the intrinsic character and beauty of the countryside, and the wider benefits from natural capital and ecosystem services – including the economic and other benefits of the best and most versatile agricultural land, and of trees and woodland;</i></p> <p><i>c) maintaining the character of the undeveloped coast, while improving public access to it where appropriate;</i></p> <p><i>d) minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures....'</i></p> <p><i>175. 'Plans should: distinguish between the hierarchy of international, national and locally designated sites; allocate land with the least environmental or amenity value, where consistent with other policies in this Framework; take a strategic approach to maintaining and enhancing networks of habitats and green infrastructure; and plan for the enhancement of natural capital at a catchment or landscape scale across local authority boundaries.'</i></p>	<p>Volume 1, Chapter 4: Site Selection and Consideration of Alternatives illustrates how direct impacts on designated sites have been avoided through project design. Also, how blocks of woodland are avoided and the loss of individual trees and hedgerows has been minimised.</p> <p>Embedded mitigation measures are provided in Table 21.13. These will be updated in the ES once baseline surveys are complete and more detailed project information is available.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent Outline Landscape and Ecological Management Strategy (OLEMS) to be submitted with ES.</p> <p>The hierarchy of designated sites is provided in section 21.4.</p>

Legislation/policy	Key provisions	Section where key provisions addressed
	<p>179. To protect and enhance biodiversity and geodiversity, plans should:</p> <p><i>a) Identify, map and safeguard components of local wildlife-rich habitats and wider ecological networks, including the hierarchy of international, national and locally designated sites of importance for biodiversity; wildlife corridors and stepping stones that connect them; and areas identified by national and local partnerships for habitat management, enhancement, restoration or creation; and,</i></p> <p><i>b) promote the conservation, restoration and enhancement of Priority Habitats, ecological networks and the protection and recovery of priority species; and identify and pursue opportunities for securing measurable net gains for biodiversity.'</i></p>	<p>Priority Habitats have been included within the desk-based study (section 21.4) and impacts are assessed in section 21.7.</p>
<p>Overarching NPS for Energy 2011 (EN-1)</p>	<p>Para 5.3.3: <i>'Where the development is subject to EIA the applicant should ensure that the ES [Environmental Statement] clearly sets out any effects on internationally, nationally and locally designated sites of ecological or geological conservation importance, on protected species and on habitats and other species identified as being of principal importance for the conservation of biodiversity. The applicant should provide environmental information proportionate to the infrastructure where EIA is not required to help the Infrastructure Planning Commission (IPC) [now the Planning Inspectorate] consider thoroughly the potential effects of a proposed project.'</i></p>	<p>An assessment of effects is presented in section 21.7 Impact Assessment.</p>
	<p><u>Para 5.3.11:</u> <i>'Where a proposed development on land within or outside a Site of Special Scientific Interest (SSSI) is likely to have an adverse effect on an SSSI (either individually or in combination with other developments), development consent should not normally be granted. Where an adverse effect, after mitigation, on the site's notified special interest features is likely, an exception should only be</i></p>	<p>Designated sites are presented in section 21.4</p> <p>The route options have been selected to minimise impacts to interest features within designated sites. Embedded mitigation measures are provided in Table 21.13</p>



Legislation/policy	Key provisions	Section where key provisions addressed
	<p><i>made where the benefits (including need) of the development at this site, clearly outweigh both the impacts that it is likely to have on the features of the site that make it of special scientific interest and any broader impacts on the national network of SSSIs</i></p>	
	<p><u>Para 5.3.16-5.3.17:</u> <i>'The IPC shall have regard to the protection of legally protected species and habitats and species of principal importance for nature conservation.</i></p> <p><i>The IPC should refuse consent where harm to the habitats or species and their habitats would result, unless the benefits (including need) of the development outweigh that harm. In this context, the IPC should give substantial weight to any such harm to the detriment of biodiversity features of national or regional importance which it considers may result from a proposed development.'</i></p>	<p>Embedded mitigation measures are provided in Table 21.13.</p> <p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
<p>Overarching NPS for Energy 2023 draft (EN-1)</p>	<p><u>Para 5.4.2:</u> <i>'The government's policy for biodiversity in England is set out in the Environmental Improvement Plan, Biodiversity 2020, the National Pollinator Strategy and the UK Marine Strategy. The aim is to halt overall biodiversity loss, support healthy well-functioning ecosystems and establish coherent ecological networks, with more and better places for nature for the benefit of wildlife and people. This aim needs to be viewed in the context of the challenge presented by climate change. Healthy, naturally functioning ecosystems and coherent ecological networks will be more resilient and adaptable to climate change effects. Failure to address this challenge will result in significant adverse impact on biodiversity and the ecosystem services it provides.'</i></p>	<p>Embedded mitigation measures are presented in Table 21.13.</p>

Legislation/policy	Key provisions	Section where key provisions addressed
	<p><u>Para 5.4.8:</u> <i>'Development on land within or outside a SSSI, and which is likely to have an adverse effect on it (either individually or in combination with other developments), should not normally be permitted. The only exception is where the benefits (including need) of the development in the location proposed clearly outweigh both its likely impact on the features of the site that make it of special scientific interest, and any broader impacts on the national network of SSSIs'.</i></p>	<p>Designated sites are presented in section 21.4</p> <p>The route options have been selected to minimise impacts to interest features within designated sites. Embedded mitigation measures are provided in Table 21.13</p>
	<p><u>Para 5.4.17:</u> <i>Where the development is subject to EIA the applicant should ensure that the ES clearly sets out any effects on internationally, nationally, and locally designated sites of ecological or geological conservation importance (including those outside England), on protected species and on habitats and other species identified as being of principal importance for the conservation of biodiversity, including irreplaceable habitats.</i></p>	<p>An assessment of effects is presented in section 21.7 Impact Assessment and will be addressed fully in the ES.</p>
	<p><u>Para 5.4.19:</u> <i>'The applicant should show how the project has taken advantage of opportunities to conserve and enhance biodiversity and geological conservation interests'.</i></p>	<p>Embedded mitigation measures are provided in Table 21.13.</p> <p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>

Legislation/policy	Key provisions	Section where key provisions addressed
	<p><u>Para 5.4.20:</u> <i>'Applicants should consider wider ecosystem services and benefits of natural capital when designing enhancement measures'</i></p>	<p>Proposals for enhancement will be presented in the ES.</p>
	<p><u>Para 5.4.21:</u> <i>'As set out in Section 4.6, the design process should embed opportunities for nature inclusive design. Energy infrastructure projects have the potential to deliver significant benefits and enhancements beyond Biodiversity Net Gain, which result in wider environmental gains (see Section 4.5 on Environmental and Biodiversity Net Gain). The scope of potential gains will be dependent on the type, scale, and location of each project.'</i></p>	<p>A Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) has been prepared which outlines the commitment of the Project to providing Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p>
	<p><u>Para 5.4.32:</u> <i>'Applicants should include measures to mitigate the direct and indirect effects of development on ancient woodland, veteran trees or other irreplaceable habitats during both construction and operational phase.'</i></p>	<p>Embedded mitigation measures are provided in Table 21.13.</p>
	<p><u>Para 5.4.33:</u> <i>'Applicants should also consider any reasonable opportunities to maximise the restoration, creation, and enhancement of wider biodiversity, and the protection and restoration of the ability of habitats to store or sequester carbon'</i></p>	<p>Embedded mitigation measures are provided in Table 21.13.</p> <p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
	<p><u>Para 5.4.35:</u> <i>'Applicants should include appropriate avoidance, mitigation, compensation and enhancement measures as an integral</i></p>	<p>Embedded mitigation measures are provided in Table 21.13</p>

Legislation/policy	Key provisions	Section where key provisions addressed
	<p><i>part of the proposed development. In particular, the applicant should demonstrate that:</i></p> <p><i>during construction, they will seek to ensure that activities will be confined to the minimum areas required for the works the timing of construction has been planned to avoid or limit disturbance during construction and operation best practice will be followed to ensure that risk of disturbance or damage to species or habitats is minimised, including as a consequence of transport access arrangements habitats will, where practicable, be restored after construction works have finished opportunities will be taken to enhance existing habitats rather than replace them, and where practicable, create new habitats of value within the site landscaping proposals. Where habitat creation is required as mitigation, compensation, or enhancement the location and quality will be of key importance. In this regard habitat creation should be focused on areas where the most ecological and ecosystems benefits can be realised.'</i></p>	<p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
	<p><b>Para 5.4.35:</b> <i>'Applicants should produce and implement a Biodiversity Management Strategy as part of their development proposals. This could include provision for biodiversity awareness training to employees and contractors so as to avoid unnecessary adverse impacts on biodiversity during the construction and operation stages.'</i></p>	<p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
	<p><b>Para 5.4.42</b> <i>As a general principle, and subject to the specific policies below, development should, in line with the mitigation hierarchy, aim to avoid significant harm to biodiversity and geological conservation</i></p>	<p>Embedded mitigation measures are provided in Table 21.13</p>

Legislation/policy	Key provisions	Section where key provisions addressed
	<p><i>interests, including through consideration of reasonable alternatives.... Where significant harm cannot be avoided, impacts should be mitigated and as a last resort, appropriate compensation measures should be sought.</i></p>	<p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
	<p><u>Para 5.4.44</u> <i>The Secretary of State should consider what appropriate requirements should be attached to any consent and/or in any planning obligations entered into, in order to ensure that any mitigation or biodiversity net gain measures, if offered, are delivered and maintained. Any habitat creation or enhancement delivered including linkages with existing habitats for compensation or biodiversity net gain should generally be maintained for a minimum period of 30 years, or for the lifetime of the project, if longer.</i></p>	<p>Mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
	<p><u>Para 5.4.49</u> <i>The Secretary of State must consider whether the project may have a likely significant effect on a protected site which is part of the National Site Network (an HRA Site), a Marine Protected Area (MPA), or on any site to which the same protection is applied as a matter of policy, either alone or in combination with other plans or projects</i></p>	<p>An assessment of effects is presented in section 21.7 Impact Assessment and will be addressed fully in the ES.</p>
	<p><u>Para 5.4.50</u> <i>The Secretary of State should use requirements and/or planning obligations to mitigate the harmful aspects of the development and, where possible, to ensure the conservation and enhancement of the site's biodiversity or geological interest.</i></p>	<p>Embedded mitigation measures are provided in Table 21.13</p> <p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity</p>

Legislation/policy	Key provisions	Section where key provisions addressed
		<p>Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures, including those for biodiversity offsetting, will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
<p>NPS for Renewable Energy Infrastructure 2011 (EN-3)</p>	<p><u>Para 2.4.2:</u> <i>‘Proposals for renewable energy infrastructure should demonstrate good design in respect of landscape and visual amenity, and in the design of the project to mitigate impacts such as noise and effects on ecology.’</i></p>	<p>Project design is an iterative process that has sought to avoid sensitive features wherever possible.</p> <p>Embedded mitigation measures are provided in Table 21.13.</p> <p>Further mitigation measures will be developed and presented in the OLEMS to be submitted with ES.</p>
	<p><u>Section 2.6.71:</u> <i>‘Ecological monitoring is likely to be appropriate during the construction and operational phases to identify the actual impact so that, where appropriate, adverse effects can then be mitigated and to enable further useful information to be published relevant to future projects.’</i></p>	<p>Further mitigation measures will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
<p>NPS for Renewable Energy Infrastructure 2023 draft (EN-3)</p>	<p><u>Para 3.5.2:</u> <i>‘Proposals for renewable energy infrastructure should demonstrate good design, particularly in respect of landscape and visual amenity, opportunities for co-existence/co-location with other marine uses, and in the design of the project to mitigate impacts such as noise and effects on ecology and heritage.’</i></p>	<p>Project design is an iterative process that has sought to avoid sensitive features wherever possible.</p> <p>Embedded mitigation measures are provided in Table 21.13.</p>

Legislation/policy	Key provisions	Section where key provisions addressed
		Further mitigation measures will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.
	<u>Para 3.8.236:</u> <i>‘Applicants are advised to develop an ecological monitoring programme to monitor impacts during the pre-construction, construction and operational phases to identify the actual impacts caused by the project and compare them to what was predicted in the EIA/HRA.’</i>	Further mitigation measures will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.  Alongside the PEIR a draft Report to Inform Appropriate Assessment has been produced (Document reference 7.1).
NPS for Electricity Networks Infrastructure 2023 draft (EN-5)	<u>Paragraph 2.5.1:</u> <i>‘When planning and evaluating the proposed development’s contribution to environmental and biodiversity net gain, it will be important – for both the applicant and the Secretary of State – to supplement the generic guidance set out in EN-1 (Section 4.5) with recognition that the linear nature of electricity networks infrastructure can allow for excellent opportunities to: reconnect important habitats via green corridors, biodiversity stepping zones, and reestablishment of appropriate hedgerows; and/or connect people to the environment, for instance via footpaths and cycleways constructed in tandem with environmental enhancements.’</i>	The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.
The UK Biodiversity Action Plan (UK BAP): 1992-2012	The UK BAP set out definitions of Priority Habitats and Species which continue to be used to define habitats and species of principal importance listed by the SoS in response to obligations under S41 of the NERC Act.	The definitions provided within the UK BAP have been referred to in order to identify Important Ecological Features (IEFs) within the Chapter and associated appendices.
Local Planning Policy		
East Lindsey Core Strategy	1. <i>‘Development proposals should seek to protect and enhance the biodiversity and geodiversity value of land and buildings and</i>	Section 21.8: Important ecological receptors including statutory and non-statutory designations

Legislation/policy	Key provisions	Section where key provisions addressed
<p>Strategic Policy 24 Biodiversity and Geodiversity</p>	<p><i>minimise fragmentation and maximise opportunities for connection between natural habitats.</i></p> <p><i>2. The Council will protect sites designated internationally, nationally or locally for their biodiversity and geodiversity importance, species populations and habitats identified in the Lincolnshire Biodiversity Action Plan and the Natural Environment and Rural Communities (NERC) Act 2006. Development, which could adversely affect such a site, will only be permitted in exceptional circumstances:</i></p> <p><i>In the case of internationally designated sites, where there is no alternative solution and there are overriding reasons of public interest for the development;</i></p> <p><i>In the case of nationally designated sites, there is no alternative solution and the reasons for the development clearly outweigh the biodiversity value of the site; or</i></p> <p><i>In the case of locally designated sites, and sites that meet the criteria for selection as a Local Site, the reasons for the development clearly outweigh the need to protect the site in the long term.</i></p> <p><i>3. In exceptional circumstances, where adverse impacts are demonstrated to be unavoidable and development is permitted which would damage the nature conservation or geological value of a site, the Council will ensure that such damage is kept to a minimum and will ensure appropriate mitigation, compensation or enhancement of the site through the use of planning conditions or planning obligations. Compensation measures towards loss of habitat will be used only as a last resort where there is no alternative. Where any mitigation and compensation measures are required, they should be in place before development activities start that may disturb protected or important habitats and species. Proposals to provide or enhance a site will be supported.</i></p>	<p>will be avoided and safeguarded through careful design.</p> <p>Ancient woodlands have been scoped out of the assessment as there are no designations of this type within the PEIR or 2km study area.</p> <p>Embedded mitigation measures are provided in Table 21.13.</p> <p>Further mitigation measures will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p> <p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p>



Legislation/policy	Key provisions	Section where key provisions addressed
	<p><i>4. Where new habitat is created it should, where possible, be linked to other similar habitats to provide a network of such sites for wildlife.</i></p> <p><i>5. Planning permission will only be granted for development which directly or indirectly leads to loss or harm to ancient woodland or aged or veteran trees, in exceptional circumstances, where the developer can demonstrate that the wider benefits of that loss clearly outweigh the protection of the trees.'</i></p>	
<p>East Lindsey Core Strategy</p> <p>SP 25 – Green Infrastructure</p>	<p><i>'The Council will safeguard and deliver a network of accessible green infrastructure by:</i></p> <p><i>Protecting and safeguarding all greenspace identified through the Settlement Proposals DPD so that there is no net loss;</i></p> <p><i>Maximising opportunities for new and enhanced green infrastructure and publicly accessible open spaces in and around all communities;</i></p> <p><i>Seek opportunities to connect existing green infrastructure to improve the network of spaces and accessibility for both the local population and wildlife.</i></p> <p><i>In the case of sites not identified on the Inset Maps, development will only be permitted on open spaces provided unacceptable harm will not be caused to their appearance, character or role in providing: a locally important habitat.'</i></p>	<p>Section 21.4 provides details of all statutory and non-statutory designations within the study areas.</p> <p>Embedded mitigation measures are provided in Table 21.13.</p> <p>The Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3) outlines the commitment of the Project to adopting Biodiversity Net Gain. A Biodiversity Net Gain assessment using the latest metric will be provided with the ES.</p> <p>Further mitigation measures will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>
<p>South East Lincolnshire Local Plan 2011-2036</p>	<p><i>'A high quality, comprehensive ecological network of interconnected designated sites, sites of nature conservation importance and wildlife-friendly greenspace will be achieved by protecting, enhancing and managing natural assets:</i></p> <p><i>1. Internationally-designated sites, on land or at sea:</i></p>	<p>Embedded mitigation measures are provided in Table 21.13</p> <p>Further mitigation measures will be developed within the LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES.</p>

Legislation/policy	Key provisions	Section where key provisions addressed
<p>Policy 28 – The Natural Environment</p>	<p><i>1(a) development proposals that would cause harm to these assets will not be permitted, except in exceptional circumstances, where imperative reasons of overriding public interest exist, and the loss will be compensated by the creation of sites of equal or greater nature conservation value;'</i></p> <p><i>'Where the project-level HRA concludes that avoidance and/or mitigation measures are required, it is expected that;'</i></p> <p><i>1(iv)' Suitable Alternative Natural Greenspaces should be designed in accordance with capacity and facility requirements in relation to the developments they mitigate for, best practice elsewhere and relevant evidence.</i></p> <p><i>2. Nationally or locally-designated sites and protected or Priority Habitats and species:</i></p> <p><i>a. development proposals that would directly or indirectly adversely affect these assets will not be permitted unless:</i></p> <p><i>(a) i. there are no alternative sites that would cause less or no harm; and</i></p> <p><i>(a)ii. the benefits of the development at the proposed site, clearly outweigh the adverse impacts on the features of the site and the wider network of natural habitats; and</i></p> <p><i>(a)iii. suitable prevention, mitigation and compensation measures are provided.</i></p> <p><i>3. Addressing gaps in the ecological network:</i></p> <p><i>a. by ensuring that all development proposals shall provide an overall net gain in biodiversity, by:</i></p>	<p>Alongside the PEIR a draft RIAA has been produced (Document reference 7.1).</p>

Legislation/policy	Key provisions	Section where key provisions addressed
	<p><i>(a)i. protecting the biodiversity value of land, buildings and trees (including veteran trees) minimising the fragmentation of habitats;</i></p> <p><i>(a)ii. maximising the opportunities for restoration, enhancement and connection of natural habitats and species of principal importance;</i></p> <p><i>(a)iii. incorporating beneficial biodiversity conservation features on buildings, where appropriate; and maximising opportunities to enhance green infrastructure and ecological corridors, including water space; and</i></p> <p><i>(a)iv. conserving or enhancing biodiversity or geodiversity conservation features that will provide new habitat and help wildlife to adapt to climate change, and if the development is within a Nature Improvement Area (NIA), contributing to the aims and objectives of the NIA.'</i></p>	
<p>Lincolnshire Biodiversity Action Plan: Action for Wildlife in Lincolnshire 2<sup>nd</sup> Edition (2006)</p>	<p>The Lincolnshire BAP sets out definitions of Priority Habitats and Species present within the county, refining, where appropriate, descriptions provided in the UK BAP.</p>	<p>The definitions provided within the Lincolnshire BAP have been referred to in order to identify IEFs within the Chapter and associated appendices.</p>

## 21.3 Consultation

- 21.3.1 Consultation is a key part of the Development Consent Order (DCO) application process. Consultation regarding Onshore Ecology has been conducted through the Evidence Plan Process (EPP) Expert Technical Group (ETG) meetings and the EIA scoping process (ODOW, 2022). An overview of the Project consultation process is presented within Volume 1, Chapter 6: Consultation Process.
- 21.3.2 A summary of the key issues raised, in relation to Onshore Ecology, within the Scoping Opinion (Case Reference: EN010130, The Planning Inspectorate (The Planning Inspectorate), 2022), consultee meetings, ETGs and Discretionary Advice Service (DAS) responses are outlined in Table 21.2 below, together with where these issues are addressed within this Chapter or will be addressed at a later date in the ES. Referencing of responses follows that presented in the Scoping Opinion. Consultee responses with specific relevance to survey scope and methodologies are provided in Annex 1: Survey Scope to be included in ES and relevant Consultee Comments.
- 21.3.3 The Scoping Opinion was based on an Area of Search (AoS) which has subsequently been reduced and refined to the PEIR boundary which has been fixed for the purposes of this assessment. Therefore, some Important Ecological Features (IEFs) highlighted at the scoping stage are no longer within the area likely to be impacted by the Project. Some issues raised by stakeholders during the consultation process are therefore now considered redundant, as certain receptors are no longer at risk of being impacted. Any such instances are explained within Table 21.2 below.

Table 21.2: Summary of consultation responses relating to Onshore Ecology

Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
ETG 9 <sup>th</sup> June 2022	Discussion surrounding the need for Biodiversity Net Gain commitment and the incorporation of functionally linked habitats within the assessment.	A Biodiversity Net Gain Principles and Approach document has been produced as part of the PEIR (Document reference 8.3) The impact section (21.7) of this Chapter states that functionally linked habitats are being considered.
ETG 19 <sup>th</sup> July 2022	Updates provided by the Project on survey progress.	Details of surveys completed to date are provided in Appendices 21.4 to 21.4.
Scoping Opinion (the Planning Inspectorate, 9 <sup>th</sup> September 2022) Comment ID: 3.15.1	Impacts to ancient woodland: <i>'The Scoping Report identifies that there is no ancient woodland present within 2km of Lincolnshire Node or Weston Marsh. The Inspectorate is content to scope out impacts to ancient woodland on the basis that the ES demonstrates ancient woodland would not be directly or indirectly affected by the Proposed Development.'</i>	Section 21.4 confirms no ancient woodland exists within 2km of the PEIR boundary.
Scoping Opinion (the Planning Inspectorate, 9 <sup>th</sup> September 2022) Comment ID: 3.15.2	Study area and data collection: <i>'The Environmental Statement (ES) should clearly define and justify the study area for each ecological feature, with reference to the Zone of Influence (Zoi) for the Proposed Development. The Applicant's attention is directed to the comments of Natural England (Appendix 2 of this Opinion) that identifies some concerns with regards to the spatial scope of the data sources, as specified in Table</i>	Natural England's comments have been taken into account and study areas revised accordingly.  Study areas and data sources referenced for each ecological feature are provided in section 21.4. Desk study data are summarised in Volume 2, Appendix 21.1: Desk Study.

Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
	<p><i>8.3.1. The Applicant should seek to agree the sources and extent of data sources with relevant consultation bodies, including Natural England, as the onshore element of the scheme develops further.'</i></p>	
<p>Scoping Opinion (the Planning Inspectorate, 9<sup>th</sup> September 2022) Comment ID: 3.15.3</p>	<p>Mitigation measures for Invasive Non-Native Species (INNS): <i>'INNS are identified in the study areas. The ES should detail and secure mitigation/ biosecurity measures during all phases of the Proposed Development to avoid/ reduce the spread and introduction of INNS. Effort should be made to agree the approach with the relevant consultation bodies.'</i></p>	<p>Section 21.4 details known records of INNS. Additional records from field survey work will be included in the ES. Embedded mitigation (Table 21.13) includes measures to avoid the spread of INNS. An INNS Management Plan will be provided with the ES.</p>
<p>Scoping Opinion (the Planning Inspectorate, 9<sup>th</sup> September 2022) Comment ID: 3.15.4</p>	<p>Drilling fluid breakout plan: <i>'Scoping Report paragraph 3.6.6 states that high-speed directional drilling (HDD) may be utilised for construction. The ES should confirm where HDD will be employed and should this have potential to impact sensitive ecological features, appropriate mitigation, such as measures to be included in a drilling fluid breakout plan, should be described in the ES and appropriately secured.'</i></p>	<p>Volume 1, Chapter 23: Geology and Ground Conditions includes an assessment of the risk of trenchless breakout. The locations of trenchless operations are being included and engineered to avoid designated sites and sensitive ecological features. Those potential impacts on ecological features that cannot be avoided will be mitigated for, with details to be provided in the ES.</p>
<p>Scoping Opinion (the Planning Inspectorate, 9<sup>th</sup> September 2022) Comment ID: 3.15.5</p>	<p>Impacts to waterbodies, fish and freshwater species: <i>'Surveys are proposed for otter and water vole; however, impacts to fish and other freshwater species and on water quality have not been considered in the Onshore Ecology</i></p>	<p>As all sizeable water bodies and those with significant flow will be avoided or trenchless techniques used at their crossing, the need to survey for fish and other freshwater species is at present, considered unnecessary.</p>

Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
	<p><i>aspect Chapter of the Scoping Report. The ES should assess impacts to fish and other freshwater species and on water quality, where significant effects are likely to occur, supported by desk study information and surveys as necessary. Effort should be made to agree the methodology with the relevant consultation bodies.'</i></p>	<p>However, on receipt of more detailed design information the risks will be reassessed and further assessment will be included, where necessary, in the ES.</p> <p>Volume 1, Chapter 24: Hydrology, Hydrogeology and Flood Risk of the PEIR presents an assessment of impacts on water quality.</p>
<p>Scoping Opinion (the Planning Inspectorate, 9<sup>th</sup> September 2022) Comment ID: 3.15.6</p>	<p>Survey methodologies: <i>'The Scoping Report contains limited detail concerning the proposed species-specific surveys for onshore ecology and at this stage, the location of the onshore ECC and OnSS is not yet known. Effort should be made to agree the approach to surveys with relevant consultation bodies, including Natural England, as part of the EPP. The ES should detail the specific methodologies, this information could be included within appendices to the ES aspect Chapter.'</i></p>	<p>Volume 2, Appendices 21.1 – 21.4 provide information regarding desk study and field survey work undertaken to date.</p> <p>Annex 1: Survey Scope to be included in ES and relevant Consultee Comments outlines the survey scopes for protected species.</p> <p>Details of the methodologies adopted in further 2023 surveys have been discussed will stakeholders through the EPP Process and will be provided in the ES (Volume 1, Chapter 6: Consultation Process).</p>
<p>Scoping Opinion (the Planning Inspectorate, 9<sup>th</sup> September 2022) Comment ID: 3.15.7</p>	<p>Confidential Annexes: <i>'Public bodies have a responsibility to avoid releasing environmental information that could bring about harm to sensitive or vulnerable ecological features. Specific survey and assessment data relating to the presence and locations of species such as badgers, rare</i></p>	<p>Badger data has been presented in Volume 2, Appendix 21.4: Badger surveys (Confidential). Information relating to the locations of badger setts, other protected species resting places or rare and vulnerable plants that could be subject to disturbance or persecution if they became publicly known,</p>

Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
	<p><i>birds and plants that could be subject to disturbance, damage, persecution, or commercial exploitation resulting from publication of the information, should be provided in the ES as a confidential annex. All other assessment information should be included in an ES Chapter, as normal, with a placeholder explaining that a confidential annex has been submitted to the Inspectorate and may be made available subject to request.'</i></p>	<p>will be included within a confidential annex to the ES.</p>
<p>Scoping Report Response</p>	<p>Biodiversity Net Gain (BNG): <i>'Lincolnshire Wildlife Trust (LWT) would have liked to see stronger commitments to biodiversity net gain (BNG) detailed in the Scoping Report (terrestrial and marine), given the importance of biodiversity recovery and the mandatory requirements that will be in place by the end of this proposed project. The main requirements of concern being: Minimum 10% gain required, calculated using the Biodiversity Metric, and approval of a biodiversity plan Habitat secured for at least 30 years via planning obligations and/or conservation covenants.'</i></p>	<p>A Biodiversity Net Gain Principles and Approach document has been produced as part of the PEIR (Document reference 8.3), which will set out measure to achieve up to 10% gain.</p>
<p>ETG 12<sup>th</sup> October 2022</p>	<p>The Project confirmed that ancient woodlands of &lt;2ha will be included in the ES if records are made available by Greater</p>	<p>Volume 2, Appendix 21.1: Desk Study details the scope of the desk study. As all sizeable water bodies and those with significant flow will be avoided or trenchless</p>



Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
	<p>Lincolnshire Nature Partnership (GLNP) in time for incorporation into the ES. The Project confirmed that the desk study for roosting bats will be increased to 5 km. The Project confirmed that surveys of breeding populations of natterjack toads at Saltfleetby-Theddlethorpe Dunes, fish and freshwater species, and mitigation measures for INNS will all be scoped into the assessment, along with functionally linked land between Within Wood and Hornby/ Mother Woods.</p> <p>Lincolnshire Wildlife Trust (LWT) outlined the need for Biodiversity Net Gain and a 30-year commitment to secure habitats.</p>	<p>techniques used at their crossing, the need to survey for fish and other freshwater species is at present, considered unnecessary. However, on receipt of more detailed design information the risks will be reassessed, and further consideration will be given, where necessary in the ES. The LEDPP (Document reference 8.7) sets out principles relating to mitigation and avoidance measures for INNS. Biodiversity Net Gain Principles and Approach document has been produced as part of the PEIR (Document reference 8.3)</p>
<p>Natural England DAS Response, letter dated 29<sup>th</sup> July 2022</p>	<p><i>Biodiversity Net Gain: 'While Natural England recognises that we are currently in the transition period before the requirements for Biodiversity Net Gain (BNG) delivery are mandatory for Nationally Significant Infrastructure Projects (NSIPs), Natural England strongly advises that the project engages with this at an early stage to maximise positive environmental impact and in order to ensure your project is future proofed.'</i></p>	<p>A Biodiversity Net Gain Principles and Approach document has been produced to support the PEIR (Document reference 8.3).</p>
<p>Natural England DAS Response, letter dated 29<sup>th</sup> July 2022</p>	<p><i>'Natural England advises that 'Moderate or large-scale impacts' need to be defined.</i></p>	<p>The LEDPP (document reference 8.7) sets out principles relating to mitigation and</p>

Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
	<i>Presence/likely absence surveys are not proposed for 'low potential habitat'. And whilst Reasonable Avoidance Measures (RAM) will be employed, Natural England would anticipate a contingency plan included within the Outline Landscape and Environment Management plan to account for situations where avoidance is not possible.'</i>	compensation for reptile habitat. The LEDPP (document reference 8.7) and the subsequent OLEMS to be submitted with ES will ensure appropriate mitigation and compensation practices are introduced to ensure there are no significant adverse impacts on reptile populations (if present).
ETG 26 <sup>th</sup> January 2023	The Project provided an update on the survey results to date and provided the scope for the impact assessment which will follow Chartered Institute of Ecology and Environmental Management (CIEEM) guidelines.	Section 21.7 mirrors the approach outlined during the 26 <sup>th</sup> January ETG.
Natural England Meeting 30 <sup>th</sup> January 2023	Natural England asked for a justification around the decision for 2km study area for mobile species and 5km for roosting bats. Natural England ask that bat activity surveys cover the migration period for barbestelle and nathusius' pipistrelle (May and Sept/Oct).	The Project responded in a letter dated 17 <sup>th</sup> February 2023 (Doc No. ODO-NAE-LET-0000008) to provide justification and confirmed that bat activity surveys would be carried out between May and October.
Meeting with Royal Society for the Protection of Birds (RSPB) (8 <sup>th</sup> March 2023): Emailed comments from RSPB dated 8 <sup>th</sup> March 2023	Greater Frampton Vision: Landscape Recovery Project: RSPB stated <i>'we currently have a landscape recovery project running in the area that will be looking at how the land to the south-east of Boston can be developed to expand the habitats that have developed so successfully at Frampton Marsh and Freiston Shore to seek to better link the reserve areas and provide a greater area for wildlife.....we</i>	Future discussions and consultation with the RSPB will be undertaken to provide assurances that the location and design of the cable route corridor will be compatible with Greater Frampton Vision. Opportunities to support and contribute to the Greater Frampton Vision will be explored with RSPB over the coming months. Any commitments to the Vision will be clearly set out in the ES.

Date and consultation phase/ type	Consultation and key issues raised	Section where comment addressed
	<p><i>have serious concerns about projects that would limit the ability to deliver the vision for the area. It was encouraging to hear about how the project might help deliver biodiversity benefits as part of net gain actions. We will be happy to explore these and potentially how they could help us deliver the landscape work we would like to in the area, although this will be subject to securing sufficient certainties that a cable in this location was appropriate.'</i></p>	
ETG 16 <sup>th</sup> March 2023	Natural England sought clarity on GCN survey methodology and licensing approaches.	<p>DAS Letter sent to Natural England regarding GCN surveys methods and licensing approaches in May 2023.</p> <p>The survey approach proposed within the letter was as described within this Chapter, and the proposed licencing approach was to use Licencing Policy 1 to secure long-term habitat gains for GCN, whilst safeguarding the construction programme.</p>

## 21.4 Baseline Environment

- 21.4.1 This section seeks to establish the current baseline conditions and identify the presence of and potential for IEFs within the study and survey areas, as far as is possible at this time.
- 21.4.2 The assessment scope has been informed by relevant national and local planning policy and guidance, established best practice and experience, as well as via the Project's consultation process.
- 21.4.3 Ecological surveys necessary to inform the Ecological Impact Assessment (EclA) are outlined in Annex 1: Survey Scope to be included in ES and relevant Consultee Comments, which also provides details of any relevant consultee responses. Many of the required surveys are either ongoing, or yet to commence and therefore, due to time required for follow-up analyses, interpretation and reporting, only the desk study and those surveys completed by the end of February 2023 are presented within this PEIR. The baseline information presented herein comprises:
- Volume 2, Appendix 21.1: Desk study;
  - Volume 2, Appendix 21.2: Preliminary habitat study;
  - Volume 2, Appendix 21.3: Preliminary roost surveys for bats; and
  - Volume 2, Appendix 21.4: Badger surveys (CONFIDENTIAL)
- 21.4.4 Full details are presented in the associated appendices, with detail necessary for the assessment summarised within this Chapter.

### Study Area

- 21.4.5 The study / survey area selected for each of the baseline studies completed to date is listed below:
- Desk study areas include the following:
    - Internationally designated sites (Special Areas of Conservation (SAC) and nationally designated sites (Sites of Special Scientific Interest (SSSI) and Local Nature Reserves (LNR)) within 15km;
    - Locally designated sites Local Wildlife Sites (LWS) within 2km from the PEIR Boundary; and
    - Section 41 Priority Habitats and Species and protected or notable species within 2km from the PEIR boundary, extended to 5km from the PEIR boundary for bat roosts.
  - Habitat surveys within the PEIR boundary plus the surrounding 100m;
  - Preliminary bat roost assessment of all accessible trees and buildings / structures within the PEIR boundary and a 100m buffer; and
  - Badger surveys or all accessible suitable habitat within the PEIR boundary and a 100m buffer.
- 21.4.6 Figure 21.1 illustrates the extent of the Lincolnshire Node desk study and study areas for each receptor, and Figure 21.2 provides the desk study and study areas for Weston Marsh.

## Desk Study Sources

21.4.7 A desk-based study has been undertaken to identify sources of pre-existing ecological data of relevance to the Project. The results of this study are provided in Volume 2, Appendix 21.1: Desk Study. The sources consulted included the following:

- Joint Nature Conservation Committee (JNCC);
- Multi-agency Geographic Information Centre (MAGIC) website and Natural England’s datasets at data.gov.uk;
- Greater Lincolnshire Nature Partnership (GLNP); and
- Lincolnshire Wildlife Trust (LWT): Nature conservation from the Humber to the Wash.

## Study / Survey Methods

21.4.8 Table 21.3 below sets out a summary of the survey methods used during baseline data collection to date, along with a reference to the relevant appendix where the full survey method is presented in detail.

Table 21.3: Survey or Study methods

Survey / Study Type	Methodology
Initial habitat Study	All habitat types mapped from aerial images in Geographical Information System (GIS) using the UK Habitat Classification Documents V1.1 using the highest level of the UKHab Primary Habitat Hierarchy possible. Undertaken with reference to UKHab habitat definitions (Butcher, 2020), and small sample ground-truthed. Full details provided in Volume 2, Appendix 21.2: Initial Habitat Survey.
Preliminary roost surveys (bats)	Inspection of buildings / structures and trees for potential roost features and evidence of use by bats. Undertaken with reference to Collins (2016). Full details provided in Volume 2, Appendix 21.3: Preliminary Roost Surveys for Bats.
Badger surveys	Walkover of suitable habitat to search for and classify setts, and to record other evidence of badger activity. Undertaken with reference to Cheeseman (1996). Full details provided in Volume 2, Confidential Appendix 21.4: Badger Survey.

## Uncertainty and Technical Difficulties Encountered

21.4.9 Most ecological surveys required for robust impact assessment are currently ongoing and therefore it is only possible to assess impacts on a limited range of IEFs at this stage. A full assessment for all IEFs will be provided in the ES.

- 21.4.10 The existing Ancient Woodland Inventory, from the 1980s, only includes areas of ancient woodland at least 0.5ha in area. The Greater Lincolnshire Nature Partnership is contributing to the Ancient Woodland Inventory Update Project which will provide more up to date information and include pockets of ancient woodland smaller than 0.5ha. This will account for strips of ancient woodland along field margins. The Ancient Woodland Inventory Update Project is anticipated to be completed in 2024. Until that time, the existing Ancient Woodland Inventory will be relied upon, although habitat surveys will identify small areas of ancient and semi-natural ancient woodland, if present, during future field surveys.
- 21.4.11 The Initial Habitat Study was a GIS exercise using aerial imagery and as such only very generic habitat categories could be used, and in some cases, land could not be categorised (See Appendix 21.2). At the time of writing, field surveys are ongoing to more accurately record the habitats present and more detailed information will be presented within the ES.
- 21.4.12 At the time of writing, the baseline for bats and badgers has not been characterised to a level of detail sufficient to determine the importance of any populations which may be present within the study area. This is due in part to access constraints limiting the coverage of data. Such valuations will be informed by data generated during further surveys, such as presence / absence and roost characterisation surveys, and will be presented within the ES.
- 21.4.13 As parts of the scheme design remain unresolved at this stage, the Maximum Design Scenarios (MDS) for each route have informed the assessment and these are detailed in section 21.5.

### Ongoing Data Collection

- 21.4.14 Baseline data will continue to be collated and assessed beyond the publication date of this PEIR for inclusion within the EclA. Further data collection will include ground-based habitat surveys for the study area.
- 21.4.15 Ongoing habitat surveys will inform the need and extent of species-specific surveys within suitable habitats, including those for:
- Important plants, reptiles, invertebrates, badger (where access not possible prior to end of February 2023), bats (where access not possible prior to 2023, and for activity and presence / absence and roost characterisation) and other mammals within the 100m Survey Area;
  - Water vole within the PEIR Boundary and both 200m upstream and downstream beyond;
  - Fish (if update assessment indicates necessary) and otter within the PEIR Boundary and both 250m upstream and downstream from the PEIR Boundary; and
  - GCN within the PEIR Boundary and up to 250m beyond it.

## Baseline Environment

- 21.4.16 The three route options, Lincolnshire Node and Weston Marsh north of the A52 and south of the A52, are situated on the Lincolnshire coast on low-lying, predominantly agricultural land. Each route is described below. Due to the length of each route, they have been divided into segments to assist with locating features of interest, as illustrated in Figure 3.1, Volume 1, Chapter 3: Project Description. Descriptions for Weston Marsh via north of the A52, and Weston Marsh via south of the A52 have been presented in the same section to avoid excessive repetition of descriptions for segments which are common to both options (as further explained below).
- 21.4.17 In addition to the Project OnSS a National Grid OnSS (NG OnSS) and associated enabling works will be required at, or near to, the Project OnSS, further details can be found in Volume 1, Chapter 3: Project Description.

### Lincolnshire Node

- 21.4.18 The Lincolnshire Node connection option has a proposed 11km onshore ECC from the Project's landfall at Wolla Bank. The onshore ECC runs west and then in a north-westerly direction to the OnSS search area south of Asserby. It has been divided into two indicative route segments: 'LN1 – Landfall to A52 – Mumby' and 'LN2 – A52 – Mumby to Lincolnshire Node'. The route segments are listed in Table 21.4 along with a short description defining the extent of each respective segment and are shown on the relevant figures in this Chapter as well as Figure 3.3 in Volume 1, Chapter 3: Project Description.

Table 21.4: Route Segments for Lincolnshire Node

Route Segment – Full Name	Description	Ecological Context
LN1 – Landfall to A52 – Mumby	MHWS to Station Road (A52) northwest of Mumby. Crosses Main Drain.	Beach, sand dunes and dune grassland are present at the landfall. Designations include Chapel Point to Wolla Bank SSSI, Sea Bank Clay Pits SSSI, Anderby Creek Sand Dunes LWS, Chapel Six Marshes LWS, Marsh Yard to Anderby Creek Dunes LWS and Wolla Bank South LWS. Anderby Marsh LWT Reserve is a traditional coastal grazing marsh. Inland from Anderby Marsh, are predominantly low-lying agricultural fields with a network of drainage ditches. Hedgerows and woodlands are relatively scarce.
LN2 - A52 – Mumby to Lincolnshire Node	Station Road (A52) northwest of Mumby to land near Boy Grift Drain, south of Asserby.	Predominantly low-lying agricultural fields with a network of drainage ditches. Hedgerows and woodlands are relatively scarce.

Route Segment – Full Name	Description	Ecological Context
		A tree and scrub lined former railway line, now used as a public footpath is present at the substation zone.

### Weston Marsh North of the A52 and Weston Marsh South of the A52

- 21.4.19 There are two ECC options for the Weston Marsh Connection option, both of which are approximately 80km long from the Project’s landfall at Wolla Bank. The onshore ECCs progress southwest to meet the two potential OnSS search areas for the Weston Marsh connection option: Weston Marsh North and Weston Marsh South.
- 21.4.20 The two options follow the same route from landfall to Low Road, but then bifurcate and run approximately parallel to each other; Weston Marsh south of the A52 and Weston Marsh north of the A52. The two options then converge at Church End Lane and follow the same route to terminate at the substation study areas.
- 21.4.21 Weston Marsh North substation study area lies to the north of the River Welland, and covers an area of approximately 1,500ha. The Weston Marsh South substation study area crosses the River Welland before running south towards existing National Grid infrastructure near Wykeham Lane, Wykeham. It covers an area of just over 300ha.
- 21.4.22 The route segments are listed in Table 21.5 along with a short description defining the extent of each respective segment and are shown on the relevant figures in this Chapter as well as in Figure 3.5 of Volume 1, Chapter 3: Project Description.



Table 21.5: Route Segments for Weston Marsh South of the A52 and Weston Marsh North of the A52

Route Segment – Full Name	South of A52	North of A52	Description	Ecological Context
WM1 - Landfall to A52 – Hogsthorpe	Y	Y	MHWS to Station Road (A52) northwest of Hogsthorpe, passing across or near to Four Hundred Acre Drain, Wigg Drain. The onshore ECC splits into two options between Lowgate Road and Station Road.	Beach, sand dunes and dune grassland are present at the landfall. Designations include Chapel Point to Wolla Bank SSSI, Sea Bank Clay Pits SSSI, Anderby Creek Sand Dunes LWS, Chapel Six Marshes LWS, Marsh Yard to Anderby Creek Dunes LWS and Wolla Bank South LWS. Anderby Marsh LWT Reserve is a traditional coastal grazing marsh. Inland from Anderby Marsh, the corridor is predominantly low-lying agricultural fields with a network of drainage ditches. Hedgerows and woodlands are relatively scarce.
WM2 - A52 Hogsthorpe to Marsh Lane	Y	Y	Station Road (A52) northwest of Hogsthorpe to Marsh Lane, west of Addlethorpe. Passing Willoughy High Drain, Wyche Drain and Orby Drain.	Predominantly low-lying agricultural fields with a network of drainage ditches. Hedgerows and woodlands are relatively scarce.
WM3 - Marsh Lane to A158 Skegness Road	Y	Y	Marsh Lane, west of Addlethorpe to A158 Skegness Road. Passing close to South Drain at Marsh Lane.	Predominantly low-lying agricultural fields with a network of drainage ditches. Hedgerows and woodlands are relatively scarce.
WM4 - A158 Skegness Road to Low Road	Y	Y	A158 Skegness Road to Steeping River (Wainfleet Haven), splitting at Rookery Farm to just beyond Steeping River. Passing across Wedland’s Drain, Catchwater Drain and twice across Croft Drain.	Predominantly low-lying agricultural fields with a network of drainage ditches. Hedgerows and woodlands are relatively scarce.
WM5 - Low Road to Steeping River	Y	N	From Low Road passing south across A52 and the Skegness to Wainfleet All Saints railway line to Steeping River	

Route Segment – Full Name	South of A52	North of A52	Description	Ecological Context
WM6 - Steeping River to Ivy House Farm/Marsh Yard	Y	N	Steeping River to Ivy House Farm/ Marsh Yard.	
WM7 - Ivy House Farm/Marsh Yard to Staples Farm	Y	N	Ivy House Farm/ Marsh Yard to Staples Farm running almost parallel with the coastline. Wrangle Drain is within the onshore ECC.	Predominantly low-lying agricultural fields with a network large number of drainage ditches. Hedgerows are relatively scarce and there are no woodlands.
WM8 - Staples Farm to Crowhall Lane	Y	N	Staples Farm at Friskney Flats to Crowhall Lane. The width of the onshore ECC extends at Roman Bank Cottage, Sea Lane.	
WM9 - Crowhall Lane to Church End Lane	Y	N	A shorter segment between Crowhall Lane and Church End Lane, to the southeast of Butterwick.	
A1 - Low Road to Steeping River	N	Y	From Low Road running southwest crossing The Lymn, Wainfleet Road, the Wainfleet Relief Channel ending at Steeping River	
A2 - Steeping River to Fodder Dike Bank / Fen Bank	N	Y	Segment between Steeping River and Fodderdyke bank running west of Wainfleet St Mary's.	From Steeping River passing through predominantly large agricultural fields, some with tree lines along boundaries, hedgerows and ditches, and crossing several small roads.
A3 - Fodder Dike Bank / Fen Bank to Broadgate	N	Y	West of Friskney	From Fodder Dike Road passing southwest across large agricultural fields and associated drainage ditches, with occasional hedges and lines of trees, and further to the south crossing Gold Fen Dike.
A4 - Broadgate to Ings Drove	N	Y	West of Old Leake	From Broad Gate (road) southwest across very large agricultural fields, with associated drainage ditches and several small roads.

Route Segment – Full Name	South of A52	North of A52	Description	Ecological Context
A5 - Ings Drove to Church End Lane	N	Y	West of Butterwick	From Ings Drove, southwest then south, crossing the A52 and running to the east of the Hobhole Drain.
WM10 - Church End Lane to The Haven	Y	Y	A shorter segment between Church End Lane and the north eastern bank of The Haven. Passing across Hobhole Drain.	Crosses Havenside LNR. Predominantly low-lying agricultural fields with a network large number of drainage ditches.
WM11 - The Haven to Marsh Road	Y	Y	Includes The Haven. Also passes across Wyberton Branch Drain, Craile Eau at Sandholme and Frampton Towns Drain. Boundary Drain is inside the route corridor. The segment finishes at Marsh Road.	The Haven is a tidal river that takes water from the River Witham and South Forty Foot Drain. It flows through Boston town before discharging into The Wash. South of this, low-lying agricultural fields dominate the landscape. A series of drainage ditches, several of which are large, form field boundaries. Hedgerows and woodlands are relatively scarce.
WM12 - Marsh Road to Fosdyke Bridge	Y	Y	Marsh Road to Fosdyke Bridge passing Kirkton Drain. At Fosdyke Bridge the route splits into two; leading to Weston Marsh North and Weston Marsh South.	A tree and scrub line extend from Fosdyke Bridge to the northwest. Predominantly low-lying agricultural fields with a network large number of drainage ditches.
WM13 - Fosdyke Bridge to Weston Marsh North	Y	Y	The route runs southwest from Fosdyke Bridge along the left bank of the River Welland where it crosses Five Towns Drain, Risegate Eau and Bicker Creek.	Arable fields with main watercourses in close proximity. A tree and scrub lined lane (potentially a valuable wildlife corridor) meanders in parallel to the River Welland. The substation study area comprises several large, arable fields. There are no trees within the substation zone.
WM14 – Fosdyke to Weston Marsh South	Y	Y	From the River Welland at Fosdyke Bridge, the route runs south-southwest and crosses Lord’s Drain.	The onshore ECC crosses the western edge of Moulton Marsh LWS/ LWT Reserve. The substation zone includes several large arable fields. Away from the River Welland, hedgerows and trees are relatively scarce.

## Designated Sites

### Lincolnshire Node

- 21.4.23 Figure 21.3 shows the location of statutory and non-statutory designated sites in relation to the PEIR Boundary for Lincolnshire Node. Descriptions for each site, including details of their qualifying or notified features, are provided in Volume 2, Appendix 21.1: Desk Study. As set out in the Introduction (Section 21.1), this Chapter does not address offshore sites or ornithology, including onshore, ornithology related designations.
- 21.4.24 Table 21.6 presents the designated sites within the study areas for the Lincolnshire Node and their distance from the nearest segment.
- 21.4.25 There are three SACs, 14 SSSIs (excluding those designated for geological interest or solely for their ornithological interest) and two NNRs within the Lincolnshire Node study area.
- 21.4.26 There are 12 LWS and six LWT reserves within the study area. Some sites are designated as both a LWS and a LWT reserve, for example Chapel Six Marshes, Spendluffe Meadow and Chapel Pit, although it should be noted that the surface area of each site does vary slightly between the two types of designation.
- 21.4.27 There are no Important Plant Areas (IPA) within the study area. The nearest is North Norfolk Coast and The Wash IPA, 11.9km south-southeast.
- 21.4.28 There are no areas of ancient semi-natural or ancient replanted woodland within the study areas.

Table 21.6: Designated sites within the Lincolnshire Node study area

Site Name and Designation	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
<b>Statutory designations</b>			
The Wash (and North Norfolk Coast) SAC	13.4	LN1 – Landfall to A52 – Mumby	SSE
Saltfleetby - Theddlethorpe Dunes and Gibraltar Point SAC	9.6	LN2 – A52 – Mumby to Lincolnshire Node	N
Humber Estuary SAC	16.0	LN2 – A52 – Mumby to Lincolnshire Node	NW
Sea Bank Clay Pits SSSI	0	LN1 – Landfall to A52 – Mumby	ESE
Willoughby Meadow SSSI	4.5	LN2 – A52 – Mumby to Lincolnshire Node	SSW
Hoplands Wood SSSI	5.1	LN2 – A52 – Mumby to Lincolnshire Node	SW
Willoughby Wood SSSI	5.3	LN2 – A52 – Mumby to Lincolnshire Node	SW
Skendleby Psalter Banks SSSI	6.5	LN2 – A52 – Mumby to Lincolnshire Node	SW

Site Name and Designation	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
Candlesby Hill SSSI	7.7	LN2 – A52 – Mumby to Lincolnshire Node	SSW
Calceby Marsh SSSI	8.7	LN2 – A52 – Mumby to Lincolnshire Node	W
Swaby Village SSSI	9.4	LN2 – A52 – Mumby to Lincolnshire Node	W
Saltfleetby-Theddlethorpe Dunes SSSI (and National Nature Reserve (NNR))	9.7	LN2 – A52 – Mumby to Lincolnshire Node	N
Bratoft Meadows SSSI	10.9	LN2 – A52 – Mumby to Lincolnshire Node	S
Muckton Wood SSSI	11.1	LN2 – A52 – Mumby to Lincolnshire Node	WNW
Gibraltar Point SSSI (and NNR)	11.8	LN1 – Landfall to A52 – Mumby	E
Mavis Enderby Valley SSSI	15.0	LN2 – A52 – Mumby to Lincolnshire Node	WSW
The Wash SSSI (and NNR)	16.3	LN1 – Landfall to A52 – Mumby	SSE
Gibraltar Point NNR	13.3	LN1 – Landfall to A52 – Mumby	S
Saltfleetby-Theddlethorpe Dunes NNR	9.8	LN2 – A52 – Mumby to Lincolnshire Node	N
<b>Local Wildlife Sites</b>			
Anderby Creek Sand Dunes	0	LN1 – Landfall to A52 – Mumby	ENE
Chapel Six Marshes	0	LN1 – Landfall to A52 – Mumby	ESE
Marsh Yard to Anderby Creek Dunes	0	LN1 – Landfall to A52 – Mumby	NNE
Wolla Bank South	0	LN1 – Landfall to A52 – Mumby	ESE
Spendluffe Meadows	0	LN2 – A52 – Mumby to Lincolnshire Node	SE
Anderby Gravity Outfall	0.06	LN1 – Landfall to A52 – Mumby	NE
Chapel Point Dunes, North	0.3	LN1 – Landfall to A52 – Mumby	NNE
Chapel Pit Nature Reserve (non-SSSI)	0.3	LN1 – Landfall to A52 – Mumby	SE

Site Name and Designation	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
Chapel Point Dunes, South	1.0	LN1 – Landfall to A52 – Mumby	SE
Moggs Eye Sea Bank Ponds	1.2	LN1 – Landfall to A52 – Mumby	N
Huttoft Carr Terrace to Marsh Yard Dunes	1.4	LN1 – Landfall to A52 – Mumby	N
Hogsthorpe Pit	1.8	LN1 – Landfall to A52 – Mumby	NNE
<b>Lincolnshire Wildlife Trust Reserves</b>			
Anderby Marsh	0	LN1 – Landfall to A52 – Mumby	ENE
Chapel Six Marshes	0	LN1 – Landfall to A52 – Mumby	ESE
Wolla Bank Pit	0	LN1 – Landfall to A52 – Mumby	ESE
Wolla Bank Reedbed	0	LN1 – Landfall to A52 – Mumby	E
Spendluffe Meadows	0	LN2 – A52 – Mumby to Lincolnshire Node	SE
Chapel Pit	0.3	LN1 – Landfall to A52 – Mumby	SE

- 21.4.29 Weston Marsh South of the A52 and Weston Marsh North of the A52 Figure 21.5 shows the location of statutory and non-statutory designated sites in relation to the PEIR Boundary for Weston Marsh south of the A52 and Weston Marsh north of the A52. Descriptions for each site, including details of their qualifying or notified features, are provided in Volume 2, Appendix 21.1: Desk Study. As set out in the Introduction (Section 21.1), this Chapter does not address offshore or ornithology, including onshore, related designations.
- 21.4.30 Table 21.7 presents the designated sites within the study areas for the two Weston Marsh options in relation to individual segments of the onshore ECCs.
- 21.4.31 There are three SACs, 15 SSSIs (excluding geological designations or sites designated solely for their ornithological interest), three NNRs and one LNR within the onshore study areas for both Weston Marsh south of the A52 and Weston Marsh north of the A52.
- 21.4.32 A total of 34 non-statutory Local Wildlife Sites occur within the study area for Weston Marsh south of the A52, and a total of 37 non-statutory LWS occur within the study area for Weston Marsh north of the A52. For both options, 12 of these sites fall within/partially within the PEIR Boundary.
- 21.4.33 There are seven Lincolnshire Wildlife Trust Reserves (LWT Reserves) within the 2km study area including five within/partially within the PEIR Boundary for both options.
- 21.4.34 Additionally, North Norfolk Coast and The Wash Important Plant Area is situated 146m east of segment WM11 - The Haven to Marsh Road (both options). The IPA has been identified for the vascular plant species richness of coastal habitats.

21.4.35 There are no areas of ancient semi-natural or ancient replanted woodland within the study areas.

Table 21.7: Designated sites within Weston Marsh south of the A52 and Weston Marsh north of the A52 study areas

Site Name	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
<b>Statutory designations</b>			
The Wash (and North Norfolk Coast) SAC	0.01	WM11 - The Haven to Marsh Road (both routes)	E
Saltfleetby - Theddlethorpe Dunes and Gibraltar Point SAC	2.3 (south of A52)	WM6 - Steeping River to Ivy House Farm / Marsh Yard	ENE
	3.7 (north of A52)	WM5 - Low Road to Steeping River	ESE
Humber Estuary SAC	18.5	WM1 - Landfall to A52 – Hogsthorpe (both routes)	NW
Sea Bank Clay Pits SSSI	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	ENE
The Wash SSSI	0.01	WM11 - The Haven to Marsh Road (both routes)	E
Gibraltar Point SSSI	2.3 (south of A52)	WM6 - Steeping River to Ivy House Farm / Marsh Yard	E
	3.7 (north of A52)	WM5 - Low Road to Steeping River	
Bratoft Meadows SSSI	3.1	WM4 - A158 – Skegness Road to Low Road (both routes)	WNW
Surfleet Lows SSSI	3.5	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	WSW
Willoughby Meadow SSSI	5.5	WM2 - A52 – Hogsthorpe to Marsh Lane (both routes)	W

Site Name	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
Willoughby Wood SSSI	6.3	WM2 - A52 – Hogsthorpe to Marsh Lane (both routes)	W
Candlesby Hill SSSI	6.5	WM3 - Marsh Lane to A158 – Skegness Road (both routes)	WNW
Hoplads Wood SSSI	6.6	WM2 - A52 – Hogsthorpe to Marsh Lane (both routes)	W
Skendleby Psalter Banks SSSI	8.5	WM2 - A52 – Hogsthorpe to Marsh Lane (both routes)	W
Jenkins Carr SSSI	12.3 (south of A52)	WM4 - A158 – Skegness Road to Low Road	W
	10.0 (north of A52)	A2 – Steeping River to Fodder Dike Bank/Fen Bank	NW
Saltfleetby-Theddlethorpe Dunes SSSI	12.1	WM1 - Landfall to A52 – Hogsthorpe (both routes)	NNW
Keal Carr SSSI	13.0 (south of A52)	WM4 - A158 – Skegness Road to Low Road	WNW
	10.5 (north of A52)	A2 – Steeping River to Fodder Dike Bank/Fen Bank	NW
Calceby Marsh SSSI	13.4	WM1 - Landfall to A52 – Hogsthorpe (both routes)	W
Swaby Village SSSI	14.1	WM1 - Landfall to A52 – Hogsthorpe (both routes)	WNW
The Wash NNR	0.5	WM12 - Marsh Road to Fosdyke Bridge (both Routes)	ENE
Gibraltar Point NNR	2.5 (south of A52)	WM6 - Steeping River to Ivy House Farm / Marsh Yard	E
	3.9 (north of A52)	WM5 - Low Road to Steeping River	ESE
Saltfleetby-Theddlethorpe Dunes NNR	12.3	WM1 - Landfall to A52 - Hogsthorpe (both Routes)	NNW



Site Name	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
Havenside Country Park LNR	0	WM10 - Church End Lane to The Haven (both Routes)	/
<b>Local Wildlife Sites</b>			
Anderby Creek Sand Dunes	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	NNE
Chapel Six Marshes	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	E
Hogsthorpe Pit	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	SW
Marsh Yard to Anderby Creek Dunes	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	N
Wolla Bank South	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	ENE
Shore Road Drain	0 (south of A52)	WM9 - Crowhall Lane to Church End Lane	SSW
	0 (north of A52)	A5 - Ings Drove to Church End Lane	SSE
Havenside	0	WM10 - Church End Lane to The Haven (both routes)	W
Hobhole Bank	0	WM10 - Church End Lane to The Haven (both routes)	SSW
Hobhole Drain, Baker's Bridge South	0	WM10 - Church End Lane to The Haven (both routes)	NNW
Risegate Eau	0	WM13 - Fosdyke Bridge to Weston Marsh Substation North (both routes)	W
Moulton Marsh	0	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	NE
Dove's Lane Drain	0 (south of A52)	WM9 - Crowhall Lane to Church End Lane	SW
	0 (north of A52)	A5 - Ings Drove to Church End Lane	SSE

Site Name	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
South Bank Fosdyke	0.05	WM13 - Fosdyke Bridge to Weston Marsh Substation North (both routes)	NNE
Anderby Gravity Outfall	0.06	WM1 - Landfall to A52 – Hogsthorpe (both routes)	N
Middlemarsh Farm	0.1	WM4 - A158 – Skegness Road to Low Road (both routes)	ESE
Hobhole Drain, Benington Bridge to Baker’s Bridge	0.1 (north of A52)	A5 - Ings Drove to Church End Lane	NNW
Wrangle Brick Pits	1.5 (south of A52)	WM7 - Ivy House Farm / Marsh Yard to Staples Farm	W
	0.2 (north of A52)	A3 - Fodder Dike Bank/Fen Bank to Broadgate	SSW
Frampton Hall	0.3	WM11 - The Haven to Marsh Road (both routes)	WNW
Chapel Point Dunes, North	0.3	WM1 - Landfall to A52 - Hogsthorpe (both routes)	ESE
Chapel Pit Nature Reserve (non-SSSI)	0.3	WM1 - Landfall to A52 - Hogsthorpe (both routes)	ESE
Moulton River	0.4	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both Routes)	ENE
Surfleet Bank	0.5	WM13 - Fosdyke Bridge to Weston Marsh Substation North (both routes)	SW
Surfleet Seas End Saltmarsh	0.7	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	WSW
Sloothby Low Lane	0.7	WM2 - A52 – Hogsthorpe to Marsh Lane (both routes)	WNW

Site Name	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
Middlemarsh Meadows	0.7	WM4 - A158 – Skegness Road to Low Road (both routes)	NNE
Vernatt’s Drain	0.7	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	SW
River Glen Corridor	1.0	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	WSW
Steeping Marsh	1.0 (south of A52)	WM6 - Steeping River to Ivy House Farm / Marsh Yard	ENE
	2.3 (north of A52)	WM5 - Low Road to Steeping River	ESES
Chapel Point Dunes, South	1.0	WM1 - Landfall to A52 - Hogsthorpe (both routes)	SE
A16 verges North of the River Glen	1.0	WM13 - Fosdyke Bridge to Weston Marsh Substation North (both routes)	SW
The Lymn	1.2 (north of A52)	WM5 - Low Road to Steeping River	WNW
Blue Gowt Drain, North	1.2	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	WSW
Moggs Eye Sea Bank Ponds	1.2	WM1 - Landfall to A52 - Hogsthorpe (both routes)	N
Hobhole Drain, Simmon House Bridge to Benington Bridge	1.4 (north of A52)	A4 - Broadgate to Ings Drove	W
Huttoft Carr Terrace to Marsh Yard Dunes	1.4	WM1 - Landfall to A52 - Hogsthorpe (both routes)	N
Pinchbeck Marsh	1.5	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	SW

Site Name	Distance from the PEIR Boundary (km)	Nearest Segment	Compass Direction
Slippery Gowt Sea Bank	1.5	WM10 - Church End Lane to The Haven (both routes)	W
<b>Lincolnshire Wildlife Trust Reserves</b>			
Anderby Marsh	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	NNE
Chapel Six Marshes	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	E
Wolla Bank Pit	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	ENE
Wolla Bank Reedbed	0	WM1 - Landfall to A52 – Hogsthorpe (both routes)	NE
Moulton Marsh	0	WM14 - Fosdyke Bridge to Weston Marsh Substation South (both routes)	NE
Chapel Pit	0.3	WM1 - Landfall to A52 – Hogsthorpe (both routes)	ESE
Frampton Marsh	0.7	WM11 - The Haven to Marsh Road (both routes)	E

## Habitats

### Section 41 Priority Habitats and Lincolnshire Biodiversity Action Plan (BAP) Habitats

- 21.4.36 Habitats of Principal Importance (i.e., those included under Section 41 of the NERC Act (2006), many of which are also included on Annex 1 of the Habitats Directive) have been identified in Natural England’s Priority Habitat Inventory dataset (MAGIC website).
- 21.4.37 The Lincolnshire BAP (Lincolnshire Biodiversity Partnership, 2011) seeks to meet the needs of those UK priority species and habitats found in Lincolnshire as well as addressing more local needs.
- 21.4.38 Table 21.8 provides a list of Priority Habitats and Lincolnshire BAP habitats that have been identified within the study area. Definitions for these habitats are provided in Volume 2, Appendix 21.1: Desk Study.
- 21.4.39 The field-based habitat survey, which is currently underway, may find further Priority Habitats within the PEIR Boundary.

Table 21.8: UK BAP Habitats and Lincolnshire BAP Habitats identified within the study area

Priority Habitat	Lincolnshire BAP Habitat
<b>Coastal and marine</b>	
Coastal sand dunes	Coastal sand dunes
Saline lagoons	Saline lagoons
Coastal saltmarsh	Saltmarsh
Mudflats	
<b>Farmland and grassland</b>	
Coastal and floodplain grazing marsh	Grazing marsh
Hedgerows	Hedgerows and trees
Lowland meadows	Lowland meadows
<b>Rivers and wetland</b>	
Ponds	Ponds, lakes and reservoirs
Eutrophic standing waters	
Reedbeds	Reedbeds and bittern
Rivers, springs and flushes	Rivers, canals and drains
<b>Trees and woodland</b>	
Lowland mixed deciduous woodland	Lowland mixed deciduous woodland
Traditional orchards	Traditional orchards

21.4.40 In addition to the Priority Habitats identified using the MAGIC website, at least three other Priority Habitats have been identified during the Preliminary Habitat Study. These are:

- Hedgerows and hedgerow trees;
- Ponds, lakes and reservoirs; and
- Rivers, canals and drains.

21.4.41 The quality and condition of all habitat types is being explored during the field surveys and will be reported in the ES.

#### Lincolnshire Node

21.4.42 A summary of the Priority Habitats for the entire route, based on desk study and preliminary habitat survey data collected to date, is provided in Table 21.10. Within the table, the total area of each Priority Habitat is provided for both the land within the PEIR Boundary and also the within the 2km study area. Linear measurements and counts for hedgerows, rivers and drain and water bodies have been calculated within the PEIR Boundary and also for the PEIR Boundary plus the 100m buffer.

21.4.43 Figure 21.7 illustrates the locations and extent of the terrestrial Priority Habitats within the study area. See Figure 21.8 for River Canals and Drains, and Figure 21.19 for hedgerows and hedgerow trees which are currently identified within the Boundary and 100m buffer. The total areas for Priority Habitats per route segment are provided in Volume 2, Appendix 21.2: Initial Habitat Survey.

21.4.44 The desk study identified 10 Priority Habitat types within the Lincolnshire Node study area, with Coastal Floodplain Grazing Marsh and Coastal Sand Dunes occupying the largest extent.

21.4.45 Within the PEIR Boundary less than 5% of the land is mapped as Priority Habitats. Coastal Sand Dunes concentrated at the landfall are the most abundant Priority Habitat within the PEIR Boundary, with reedbeds and mudflats also present.

21.4.46 Within the PEIR Boundary, 18 water bodies have been identified.

Table 21.9: Summary of Total Areas, Lengths and Counts for Priority Habitats for Lincolnshire Node

Priority Habitat	Total within PEIR Boundary	Total within the 100m buffer beyond PEIR Boundary	Total for PEIR Boundary plus 2km buffer
Coastal and floodplain grazing marsh (ha)	-	-	49.25
Coastal sand dunes (ha)	6.74	-	25.97
Lowland mixed deciduous woodland (ha)	0.01	-	6.31
Lowland meadows (ha)	2.51	-	3.35
Mudflats (ha)	3.05	-	3.94
Reedbeds (ha)	3.05	-	3.15
Traditional orchard (ha)	0	-	0.52
<b>Total Area (ha)</b>	<b>15.36</b>	<b>-</b>	<b>92.49</b>
Hedgerow and Hedgerow Trees (km)	7.44	5.76	-
Rivers, Canals and Drains (km)	22.88	9.45	-

#### Weston Marsh south of the A52 and Weston Marsh north of the A52

21.4.47 A summary of the Priority Habitats for the entire route is provided in Table 21.10 for Weston Marsh south of the A52 and Weston Marsh north of the A52 and Table 21.11 for Weston Marsh north of the A52. Within the table, the total area of each Priority Habitat is provided for land within the PEIR Boundary and the surrounding 2km study area. Linear measurements and counts for hedgerows, rivers and drain and water bodies have been calculated within the PEIR Boundary and 100m buffer zone.

21.4.48 Figure 21.10 illustrates the locations and extent of the terrestrial Priority Habitats within the study area. See Figure 21.11 for River Canals and Drains, and Figure 21.12 for hedgerows and hedgerow trees which are currently identified within the Boundary and 100m buffer. The total areas for Priority Habitats per route segment are provided in Volume 2, Appendix 21.2: Initial Habitat Survey.

21.4.49 The desk study recorded 12 Priority Habitat types within the Weston Marsh 2km study area for both onshore ECC options. The largest total area of Priority Habitat was Coastal Saltmarsh (17.49 ha for Weston Marsh south of the A52 and 29.95 ha for Weston Marsh north of the A52 study areas), followed by Coastal Saltmarsh (8.5 ha for both options).

21.4.50 A total of 25 ponds have been recorded within the PEIR Boundary for Weston Marsh south of the A52, with 27 recorded within the PEIR Boundary for Weston Marsh north of the A52 study areas.

Table 21.10: Summary of Total Areas, Lengths and Counts for Priority Habitats at Weston Marsh south of the A52

Priority Habitat	Total within PEIR Boundary	Total within the 100m buffer	Total for PEIR Boundary and 2km study area
Coastal and floodplain grazing marsh (ha)	17.49	-	991.32
Coastal saltmarsh (ha)	8.50	-	1258.42
Coastal sand dunes (ha)	6.70	-	25.97
Lowland mixed deciduous woodland (ha)	2.56	-	70.86
Lowland calcareous grassland (ha)	0	-	5.05
Mudflats (ha)	5.95	-	60.48
Reedbeds (ha)	3.05	-	3.15
Saline lagoons (ha)	0	-	8.55
Traditional orchard (ha)	0	-	11.10
<b>Total Area (ha)</b>	<b>44.28</b>	<b>-</b>	<b>2434.92</b>
Hedgerow and Hedgerow Trees (km)	12.20	28.34	-
Rivers, Canals and Drains (km)	135.93	235.38	-

Table 21.11: Summary of Total Areas, Lengths and Counts for Priority Habitats at Weston Marsh north of the A52 study areas

Priority Habitat	Total within PEIR Boundary	Total within the 100m buffer	Total for PEIR Boundary and 2km study area
Coastal and floodplain grazing marsh (ha)	29.95	-	1158.068
Coastal saltmarsh (ha)	8.50	-	454.730
Coastal sand dunes (ha)	6.70	-	25.974
Lowland mixed deciduous woodland (ha)	2.79	-	81.363
Lowland calcareous grassland (ha)	0	-	5.052
Mudflats (ha)	5.98	-	60.476
Reedbeds (ha)	3.05	-	3.154
Saline lagoons (ha)	0	-	1.449
Traditional orchard (ha)	0	-	14.403

Priority Habitat	Total within PEIR Boundary	Total within the 100m buffer	Total for PEIR Boundary and 2km study area
<b>Total Area (ha)</b>	<b>56.96</b>		<b>1804.67</b>
Hedgerow and Hedgerow Trees (km)	14.73	35.21	-
Rivers, Canals and Drains (km)	209.60	362.88	-

## Initial Habitat Study

21.4.51 A summary of the initial habitat study findings is presented below, with further detail provided in PEIR Volume 2, Appendix 21.2: Initial Habitat Survey. This information will be updated on completion of habitat surveys within the ES.

### Lincolnshire Node

21.4.52 The 300m wide onshore ECC covers approximately 400 ha of land in total, with the 100m buffer zone extending the study area to just over 600 ha. Using Level 2 UK Habitat Classification, the main habitat types present are cropland, grassland, heathland and shrub, rivers and lakes, sparsely vegetated ground, woodland and forest, and urban habitats. Almost 70% of the total land area is covered by cropland, including both arable and horticulture. Grassland accounts for approximately 10%, sparsely vegetated land (largely concentrated at the coast) approximately 10%, with wetland, heathland and shrub, urban, woodland and rivers and streams forming the remaining percentage of cover. Descriptions of each habitat are provided below. Figure 21.9 show the location and extent of habitats within the study area.

21.4.53 Weston Marsh South of the A52 and Weston Marsh North of the A52 The onshore ECC for the Weston Marsh south of the A52 option covers approximately 2,500 ha of land in total, with the 100m buffer zone extending the study area to just over 4,100 ha. Using Level 2 UK Habitat Classification, the main habitat types present are cropland, grassland, heathland and shrub, rivers and lakes, sparsely vegetated ground, woodland and forest, marine inlets and transitional waters, wetland and urban habitats. Approximately 85% of the total land area within the PEIR Boundary is covered by cropland, including both arable and horticulture. Grassland accounts for almost 7% with the remaining habitat classifications forming the remaining 8%.

21.4.54 The Weston Marsh north of the A52 option covers approximately 2,500 ha of land, with the 100m buffer zone included increasing the study area to just over 4,000 ha. The main habitat types for Weston Marsh north of the A52 comprise cropland, grassland, heathland and shrub, rivers and lakes, sparsely vegetated ground, woodland and forest, marine inlets and transitional waters, wetland and urban habitats. As with Weston Marsh south of the A52, the most abundant habitat type for Weston Marsh north of the A52 is cropland, accounting for approximately 80% of the total study area. The second largest habitat classification is grassland, equating to approximately 10%. All other classifications denoted above form the remaining 10% of land cover.



21.4.55 Both the onshore ECC options share similar habitat composition, with cropland making up the largest percentage of land classification. For both options, habitats such as wetland and marine inlets and transitional waters make up less than 1% (each) of total land cover. Figure 21.12 shows the location and extent of habitats within the Weston Marsh onshore ECC study areas for both options.

## Species

### Lincolnshire Node

#### Plants

- 21.4.56 No records of protected or notable plant species were returned from GLNP within the PEIR Boundary or the surrounding 2km study area. However, the presence of important plants has been noted within Sea Bank Clay Pits SSSI, Chapel Six Marshes LWS and Spendluffe Meadows LWS and LWT Reserve. These sites are all within, or immediately adjacent to the PEIR Boundary. The species of note include green-winged orchid (*Anacamptis morio*) and soft hornwort (*Ceratophyllum submersum*) which are Red List species in England (Stroh et al., 2014).
- 21.4.57 Field surveys for habitats are ongoing in spring 2023 and any protected or notable plant species recorded will be reported in the ES.

#### Invertebrates

- 21.4.58 No records of invertebrates were returned from GLNP within the PEIR Boundary or the surrounding 2km study area. However, records have been made within designated sites at the landfall.
- 21.4.59 If permanent loss of good quality habitats suitable for potentially important invertebrate communities may occur, prescriptive invertebrate surveys will be undertaken to adequately assess impacts and inform mitigation for impacts that may significantly affected important populations and species and will be reported in the ES. However, based on the results of the Initial Habitat Study, the habitats within the OnSS search areas appear unlikely to be important to invertebrates, and impacts to designated sites will be avoided, therefore impacts are considered unlikely.

#### Fish

- 21.4.60 No records of fish were returned during the desk study. The chemical status of the main watercourses within the PEIR Boundary (Anderby Main Drain and Boy Grift Drain) is 'failed' due to land management practices and this may detrimentally effect fish populations.
- 21.4.61 Further information on the presence of fish species will be gathered during the remaining desk surveys. At the time of writing, a desk-based search of Environment Agency online records is underway and will be reported within the ES.

#### Amphibians

- 21.4.62 There are records for four species of amphibian within the 2km study area. These are:
- Great crested newt (GCN) (*Triturus cristatus*);
  - Smooth newt (*Lissotriton vulgaris*);

- Common toad (*Bufo bufo*); and
- Common frog (*Rana temporaria*).

- 21.4.63 GCN are protected through inclusion in Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and in Schedule 2 of the Conservation of Habitats and Species Regulations 2017 (as amended). GCN is also a Section 41 species.
- 21.4.64 The majority of amphibian records are from habitats around the landfall. The locations of records for amphibians are illustrated in Figure 21.13 with the number of records provided in Volume 2, Appendix 21.1: Desk Study.
- 21.4.65 There are no records of GCN presence within the PEIR Boundary and the only positive European Protected Species Licence (EPSL) return, and the closest record, was for a site near Huttoft, 1.18km east of PEIR Boundary.
- 21.4.66 Rough grassland, scrub, field margins, hedgerow, wetland and woodland edge habitats are suitable for use by this species group. They are present across the study area, although relatively scarce and largely concentrated at the landfall and inland along field boundaries.
- 21.4.67 Habitat Suitability Index (HSI) Assessments (Oldham, 2000) are currently underway for all accessible ponds within 250m, and ditches within 100m, of the PEIR Boundary. Those accessible ponds with habitat suitability for GCN will be subject to further surveys, including eDNA testing (Biggs, 2014) followed by a population class assessment (Langton, 2001) where the eDNA survey returns a positive result.

#### *Reptiles*

- 21.4.68 There are records for two species of reptile within the 2km study area:
- Common lizard (*Zootoca vivipara*); and
  - Grass snake (*Natrix natrix*).
- 21.4.69 Both common lizard and grass snake are protected from intentional killing, injuring and sale under Schedule 5 of the Wildlife and Countryside Act 1981 (as amended). All species of reptile are also Species of Principal Importance in England under Section 41 of the NERC Act.
- 21.4.70 There are no existing records for reptile species within the PEIR Boundary. Instead, records for both common lizard and grass snake are concentrated further along the coast. The locations of records for reptiles are illustrated in Figure 21.14. Volume 2, Appendix 21.1: Desk Study provides a summary of the number of records for each species with the 2km study area.
- 21.4.71 Rough grassland, scrub, field margins, hedgerow, wetland and woodland edge habitats are suitable for use by this species group. They are present across the study area, although relatively scarce and largely concentrated at the landfall and inland along field boundaries. Suitable habitat that will be permanently lost is likely limited to low suitability habitats within the OnSS areas. However, where more optimal habitats are identified by ongoing habitat surveys, these will be surveyed for the presence of reptiles, with the results provided in a reptile survey report to be appended to the ES.

## Bats

- 21.4.72 All bat species, their breeding sites and resting places are protected in the UK through inclusion in Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and in Schedule 2 of the Conservation of Habitats and Species Regulations 2017 (as amended).
- 21.4.73 The desk study returned records of at least six species of bat within the 5km study area as listed below:
- Brown long-eared bat (*Plecotus auritus*);
  - Common pipistrelle (*Pipistrellus pipistrellus*);
  - Soprano pipistrelle (*Pipistrellus pygmaeus*);
  - Nathusius' pipistrelle (*Pipistrellus nathusii*);
  - Noctule bat (*Nyctalus noctula*);
  - Myotis species (*Myotis* sp.); and
  - Whiskered/ Brandt's Bat (*Myotis mystacinus*/ *Myotis brandtii*).
- 21.4.74 Records for bats are concentrated inland, in the 'LN2 - A52 – Mumby to Lincolnshire Node' onshore ECC segment. Only one record of roosting common pipistrelle bat was returned from within the PEIR Boundary with 37 roost records in total for the whole 5km study area. The locations of records for bats are illustrated in Figure 21.15 with records for bat roost locations given in Figure 21.16. Volume 2, Appendix 21.1: Desk Study provides a summary of the number of records for each species within the study area.
- 21.4.75 The locations of buildings subject to preliminary roost surveys are presented in Figure 21.17, and Annex 1 of Volume 2, Appendix 21.3: Preliminary Roost Surveys for Bats presents full survey details for each. It is worth noting that some areas were not accessible (as shown in Figure 21.17) and will be captured in ongoing work.
- 21.4.76 No bats were directly observed roosting, and no evidence of bats was recorded within the study area for the Lincolnshire Node. No confirmed roosts or buildings with bat roosting potential were recorded within the PEIR Boundary.
- 21.4.77 Two domestic dwellings were recorded outside the PEIR Boundary as having moderate or below potential to support roosting bats, both dating from mid-late 1990s and with pitched, tiled roofs and stone / blockwork walls.
- 21.4.78 The locations of trees subject to preliminary roost potential surveys are presented in Figure 21.17, and Annex 4 of Volume 2, Appendix 21.3: Preliminary Roost Surveys for Bats presents full survey details for each.
- 21.4.79 No bats were directly observed roosting, and no evidence of bats was recorded within the study area for the Lincolnshire Node. A total of 51 trees with high, moderate or low bat roosting potential were recorded within the whole study area, with 20 of these located within the PEIR Boundary.

- 21.4.80 Species of tree assessed include ash (*Fraxinus excelsior*), beech (*Fagus sylvatica*), hawthorn (*Crataegus monogyna*), oak (*Quercus* sp.), sycamore (*Acer pseudoplatanus*), willow (*Salix* sp.) and horse chestnut (*Aesculus hippocastanum*). Trees were largely associated with field or property boundaries.
- 21.4.81 To gain a fuller understanding of the baseline for bats, survey work, including presence / absence and presence / absence and roost characterisation surveys will continue into the active seasons for 2023 from May to October.

#### *Badger*

- 21.4.82 Badger (*Meles meles*) receives protection under the Protection of Badgers Act 1992.
- 21.4.83 Records for badger are included in Volume 2, Confidential Appendix 21.4: Badger Survey and the locations are not reported within this Chapter.
- 21.4.84 The desk study returned 207 records of badger from within the 2km study area, 27 of which were recorded within the PEIR Boundary.
- 21.4.85 Within the Lincolnshire Node study area 12 active setts were recorded during field surveys, 11 of which were located within the PEIR Boundary, a further nine of which were recorded as main setts.
- 21.4.86 To gain a fuller understanding of the baseline for badgers, survey work (of areas not accessed by the end of February 2023) will continue in 2023.

#### *Otter*

- 21.4.87 Otter (*Lutra lutra*) is fully protected through inclusion on Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) and Schedule 2 of The Conservation of Habitats and Species Regulations 2017 (as amended).
- 21.4.88 A total of 18 records for otter were returned within the Lincolnshire Node 2km study area, two of which were located within the PEIR Boundary. Figure 21.18 illustrates the locations of these records.
- 21.4.89 Otters are likely to utilise the pond and ditch network present with the area, particularly during the spring when amphibians are breeding, when frog, toad and newt prey would be abundant.
- 21.4.90 An assessment of potential otter habitat within the PEIR Boundary and within ponds and watercourses 250m upstream/ downstream of the PEIR Boundary is currently ongoing. Further otter surveys will be undertaken for those watercourses offering suitable habitat for otter. The results of otter surveys undertaken will be provided in an otter survey report appended to the ES.

#### *Water Vole*

- 21.4.91 Water vole (*Arvicola amphibius*) is fully protected through its inclusion in Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).

- 21.4.92 A total of 466 records were received for water vole within the Lincolnshire Node 2km study area. Water vole records are evenly distributed across the study area with a total of 36 records from within the PEIR Boundary and include records at the landfall and at the substation zone within Boy Grift Drain. Within the PEIR Boundary, water vole has also been recorded within Cocking Pit Drain, Wigg Drain and South Fen Drain.
- 21.4.93 Records for water vole are provided in Volume 2, Appendix 21.1: Desk Survey, with Figure 21.18 illustrating the locations of the data.
- 21.4.94 An initial survey of the ditch network within the PEIR Boundary and 200m upstream/downstream of the PEIR Boundary is currently underway to evaluate habitat suitability within watercourses for water vole. Where suitable habitat exists, further water vole surveys will be carried out. The results of ongoing and further surveys will be provided in a water vole survey report appended to the ES.

#### *Other Terrestrial Mammals*

- 21.4.95 No records were returned for any other species of terrestrial mammals within the Lincolnshire Node study area.
- 21.4.96 Habitat suitable for a range of small mammals such as brown hare (*Lepus europaeus*), hedgehog (*Erinaceus europaeus*), and harvest mouse (*Micromys minutus*) is present within the PEIR Boundary and therefore such species are potentially present but unrecorded. Species observed incidentally during all field surveys will be recorded, and details presented in the ES where relevant.

#### *Invasive Non-Native Species (INNS)*

- 21.4.97 The INNS New Zealand pigmyweed has been recorded at Mogg's Eye Sea Bank LWS, 1.18km north of Lincolnshire Node PEIR Boundary.
- 21.4.98 No other records for INNS were returned by the GLNP.
- 21.4.99 The presence of INNS within the survey area will be noted during ongoing and future field surveys and reported within the ES.

#### *Weston Marsh South of the A52 and Weston Marsh North of the A52*

##### *Plants*

- 21.4.100 No records of important plant species were returned from within the PEIR Boundary for either Weston Marsh south of the A52 or Weston Marsh north of the A52.
- 21.4.101 GLNP returned records for two important plant species from within the 2km study area: bluebell and Deptford pink which are both protected under the Wildlife and Countryside Act 1981 (as amended). Deptford pink is also classified as endangered on the Vascular Plant Red Data List for Great Britain (Stroh *et al.*, 2014). The locations of important plant records returned from GLNP are provided in Figure 21.20.
- 21.4.102 Important plant records have also been extracted from the citations for statutory and non-statutory sites and are presented in Volume 2, Appendix 21.1: Desk Study.

### *Invertebrates*

- 21.4.103 No records of invertebrates were returned from GLNP within the PEIR Boundary or the surrounding 2km study area.
- 21.4.104 Sea Bank Clay Pits SSSI and a number of non-statutory designated sites within the PEIR Boundary support rich aquatic and terrestrial assemblages of invertebrates including several nationally scarce species. Further detail is provided in Volume 2, Appendix 21.1: Desk Study.
- 21.4.105 Beyond the PEIR Boundary, Gibraltar Point SSSI provides an important habitat for rare wetland invertebrates including four listed in the Red Data Book as endangered, and eight listed as rare and a further 12 considered to be nationally rare. Further details are again provided in Volume 2, Appendix 21.1: Desk Study.
- 21.4.106 If permanent loss of good quality habitats suitable for invertebrate communities may occur, prescriptive invertebrate surveys will be undertaken to adequately assess and mitigate for impacts that may significantly affect important populations and species.

### *Fish*

- 21.4.107 GLNP did not return any records of fish from within the PEIR Boundaries for either Weston Marsh south of the A52 or Weston Marsh north of the A52.
- 21.4.108 GLNP returned records of two fish species from the wider 2km study areas. Three records for river lamprey (*Lampetra fluviatilis*) were returned from the River Welland at the southern end of both onshore ECC options, and there was one record of burbot (*Lota lota*) from a fishing lake approximately 1.5km west of the PEIR Boundary for Marsh north of the A52, near Wainfleet All Saints. The location of these records is shown in Figure 21.21.
- 21.4.109 At the time of writing a desk-based search of Environment Agency online records is underway and will be reported within the ES.

### *Amphibians*

- 21.4.110 GNLP returned records of four species of amphibian from within the 2km study areas for Weston Marsh south of the A52 and Weston Marsh north of the A52. These are:
- GCN;
  - Smooth newt;
  - Common toad; and
  - Common frog.
- 21.4.111 No records of GCN were returned from within either of the study areas with relatively low numbers of records of common frog, common toad and smooth newt returned.
- 21.4.112 Class Licence Survey Returns published on the MAGIC website include records of GCN presence at four locations within the study area, approximately 0.3km to the West of segment WM4 - A158 – Skegness Road – Low Road (both options).
- 21.4.113 Volume 2, Appendix 21.1: Desk Study provides details of the number of records for each species within the 2km study area.

21.4.114 Rough grassland, scrub, field margins, ditches, hedgerow, wetland and woodland edge habitats are suitable for use by this species group. They are present across the study area, although relatively scarce and largely concentrated within designated sites at the landfall. Inland, suitable habitats are mainly found along field boundaries.

21.4.115 Habitat Suitability Index (HSI) Assessments are currently underway for accessible ponds and ditches within 250m of the PEIR Boundary. Those with moderate or above suitability for GCN will be subject to further surveys, where accessible, including eDNA followed by a population class assessment where the eDNA survey returned a positive result.

### Reptiles

21.4.116 GLNP returned records of three species of reptile from the 2km study area for both options. These are:

- Common lizard;
- Grass snake; and
- Slow worm (*Anguis fragilis*).

21.4.117 A single record of grass snake was returned from within the PEIR Boundary from the River Welland near segment WM12 - Marsh Road – Fosdyke Bridge (both options). Records of other reptiles were from outside the PEIR Boundary.

21.4.118 Volume 2, Appendix 21.1: Desk Study provides a summary of the number of records for each species with the 2km study area.

21.4.119 Rough grassland, scrub, field margins, hedgerow, wetland and woodland edge habitats are suitable for use by this species group. They are present across the study area, although relatively scarce and largely concentrated at the landfall and inland along field boundaries. Suitable habitat that will be permanently lost is likely limited to low suitability habitats within the OnSS search areas. However, where more optimal habitats are identified by ongoing habitat surveys, these will be surveyed for the presence of reptiles, with the results provided in a reptile survey report to be appended to the ES.

### Bats

21.4.120 The desk study returned records of at least seven species of bat within the 2km study area for both options, which are listed below:

- Brown long-eared bat;
- Common pipistrelle;
- Soprano pipistrelle;
- Nathusius' pipistrelle;
- Noctule bat;
- Daubenton's bat (*Myotis aubentoniid*); and
- Whiskered/ Brandt's Bat.

- 21.4.121 Records for bats are scattered across the 2km study area, with concentrations within the residential areas of Chapel St Leonards, Hogsthorpe and Wainfleet All Saints. There are two records of roosting bats within the PEIR Boundary and approximately 250 records in the surrounding 5km Study Area. The locations of records for bats are illustrated in Figure 21.23 with records for bat roost locations given in Figure 21.25. Volume 2, Appendix 21.1: Desk Study provides a summary of the number of records for each species within the 5km Study Area.
- 21.4.122 The locations of buildings subject to preliminary roost surveys are presented in Figure 21.26, and Volume 2, Appendix 21.3: Preliminary Roost Surveys for Bats presents survey details for each onshore ECC option. Not all areas were accessible and ongoing surveys will present this additional data within the ES.
- 21.4.123 No bats were directly observed roosting and no evidence of bats was recorded within the Study areas for Weston Marsh south of the A52 or Weston Marsh north of the A52, however the owners of three and four separate buildings respectively, reported the historic presence of bats. All such buildings were located outside the PEIR Boundary for Weston Marsh south of the A52 and Weston Marsh north of the A52.
- 21.4.124 Only one building with low bat roosting potential was recorded within both the boundaries for Weston Marsh south of the A52 and Weston Marsh north of the A52, with 50 and 56 buildings with high or below potential recorded in the wider study area for Weston Marsh south of the A52 and Weston Marsh north of the A52 respectively.
- 21.4.125 Within both Weston Marsh south of the A52 and Weston Marsh north of the A52 the majority of the buildings subject to preliminary roost assessments were agricultural barns dating from the mid-late 1900's with pitched metal roofs and stone / blockwork walls. These were mainly assessed as having low potential to support roosting bats. Domestic houses were also assessed with a range of ages and construction methods recorded, as well as ancillary sheds and modern warehouses.
- 21.4.126 The locations of trees subject to preliminary roost surveys are presented in Figure 21.26, and Volume 2, Appendix 21.3: Preliminary Roost Surveys for Bats presents survey details for each.
- 21.4.127 No bats were directly observed roosting, and no evidence of bats was recorded within the Survey Area for both of the Weston Marsh options.
- 21.4.128 For Weston Marsh south of the A52 a total of 142 trees with high, moderate or low bat roosting potential were recorded within the whole study area, with 60 of these located within the PEIR Boundary.
- 21.4.129 For Weston Marsh north of the A52 a total of 175 trees (most of which are also within the PEIR Boundary for Weston Marsh south of the A52) with high, moderate or low bat roosting potential were recorded within the whole study area, with 66 of these located within the PEIR Boundary.
- 21.4.130 Species of tree assessed in both Weston Marsh south of the A52 and Weston Marsh north of the A52 included ash, beech, hawthorn, oak, poplar (*Populus* sp.), silver birch (*Betula* sp.), sycamore, willow, blackthorn (*Prunus spinosa*), cherry (*Prunus* sp.), crab apple (*Malus* sp.), elder (*Sambucus nigra*), holly (*Ilex aquifolium*), horse chestnut and maple (*Acer* sp.). Trees were largely associated with field or property boundaries and individual farmsteads.



21.4.131 Survey work, including presence / absence and presence / absence and roost characterisation surveys, will continue into 2023 to give a fuller understanding of the baseline for bats.

#### *Badger*

21.4.132 Records for badger are included with a confidential badger appendix (Volume 2, Appendix 21.1: Desk Study and Volume 2, Confidential Appendix 21.4: Badger Survey).

21.4.133 GLNP returned just under 400 records of badger from within the study area for Weston Marsh south of the A52 and over 500 records of badger within the study area for Weston Marsh north of the A52. Of these, only 35 are from within the Weston Marsh south of the A52 PEIR Boundary, with 37 from within the PEIR Boundary for Weston Marsh north of the A52. Details of badger records are presented separately in the Volume 2, Confidential Appendix 21.4: Badger Survey.

21.4.134 Within the Weston Marsh south of the A52 survey area 65 active setts were recorded, 39 of which were located within the PEIR Boundary.

21.4.135 Within the Weston Marsh north of the A52 survey area 50 active setts (many of which are also within the PEIR Boundary for Weston Marsh south of the A52) were recorded, 22 of which were located within the PEIR Boundary.

21.4.136 Badger surveys within areas not accessed by the end of February 2023 within the study area are currently ongoing. The results of further badger surveys will be presented in a confidential appendix to the ES.

#### *Otter*

21.4.137 GLNP returned 59 records of otter within the 2km study area for Weston Marsh south of the A52 and 108 from within the 2km study area for Weston Marsh north of the A52. Of these, 12 were from within the Boundary for Weston Marsh south of the A52 and 13 from within the PEIR Boundary for Weston Marsh north of the A52. Figure 21.27 illustrates the locations of these records.

21.4.138 Otters are likely to utilise the pond and ditch network present with the area, particularly during the spring when frog, toad and newt prey would be abundant.

21.4.139 An assessment of potential otter habitat within the PEIR Boundary and within ponds and watercourses 250m upstream/ downstream of the PEIR Boundary is currently ongoing. Further otter surveys will be undertaken for those watercourses offering suitable habitat for otter. The results of otter surveys undertaken will be provided in an otter survey report appended to the ES.

#### *Water Vole*

21.4.140 GLNP returned over 2,000 records of water voles within the 2km study area for Weston Marsh south of the A52 and nearly 3,000 for the 2km study area for Weston Marsh north of the A52. Of these, 177 were from within the PEIR Boundary for Weston Marsh south of the A52 and 215 from within the PEIR Boundary for Weston Marsh north of the A52.

21.4.141 Records for water vole are provided in Volume 2, Appendix 21.1: Desk Study with Figure 21.27 illustrating the locations of the data.

21.4.142 An initial survey of the ditch network within the PEIR Boundary and 200m upstream/downstream of the PEIR Boundary is currently underway. The survey will evaluate habitat suitability within watercourses for water vole. Where suitable habitat exists, further water vole surveys will be carried out. The results of ongoing and further surveys will be provided in a water vole survey report appended to the ES.

#### *Other Terrestrial Mammals*

21.4.143 The desk study returned a single record for red squirrel (*Sciurus vulgaris*) dated 2000, from Weston, near Spalding, within the study area for 'WM14 - Fosdyke Bridge – Weston Marsh South' segment (Figure 21.28). This record may be spurious and as no suitable habitat is located within the OnSS in the vicinity no targeted survey for red squirrel is proposed at the time of writing. No other records of small mammals were returned.

21.4.144 Habitat suitable for a range of small mammals such as brown hare, hedgehog and harvest mouse (*Micromys minutus*) is present within the PEIR Boundary and therefore such species are potentially present but unrecorded. Species observed incidentally during all field surveys will be recorded, and details presented in the ES where relevant.

#### *Invasive Non-Native Species (INNS)*

21.4.145 The INNS New Zealand pigmyweed has been recorded at Mogg's Eye Sea Bank LWS, 1.18km north of both Weston Marsh PEIR Boundary options.

21.4.146 No other records for INNS were returned by the GLNP.

21.4.147 The presence of invasive species within the study area will be noted during ongoing and future field surveys and reported within the ES.

#### **Future Baseline**

21.4.148 Baseline ecological conditions could evolve in the future as a result of land use policy, environmental improvements and development pressures. There may also be some changes to the baseline over time as a result of natural variation and weather events.

21.4.149 Climate change is also predicted to result in complex changes to biodiversity. Of most relevance at the Project location is that coastal plants and wildlife that cannot respond to sea level rise or coastal erosion by moving inland (for example, due to the presence of urban land or flood defences) are anticipated to be lost. In addition, the number and species and distribution of INNS is likely to increase.

21.4.150 The above events and trends have the potential to alter the baseline assessment to the EclA over time. However, in the absence of any detailed, quantifiable information it has been assumed that the baseline conditions will remain largely as they are for the purpose of the assessment (with the exception of other developments, where known, which are considered in the assessment of cumulative effects (see section 21.8).

## 21.5 Basis of Assessment

### Realistic Worst-Case Scenario

21.5.1 As the Project design is ongoing, the MDS identified in Table 21.12 has been selected as having the potential to result in the greatest effect on an identified receptor or receptor group. These scenarios have been selected from the details provided in Volume 1, Chapter 3: Project Description. Effects of greater significance are not predicted to arise should any other development scenario to that assessed here be taken forward in the final scheme design, within the assessed boundaries. The MDS takes into consideration avoidance of impacts by design and the use of trenchless techniques, as described in Table 21.12.

### Scope of the Assessment

21.5.2 During the scoping phase of the assessment, a range of potential impacts on Onshore Ecology were identified which may occur during the construction, operation and maintenance, and decommissioning phases. In line with the Scoping Opinion (The Planning Inspectorate, 2022), it was agreed that the majority of impacts remain scoped into the assessment until further Project design details become available.

21.5.3 The impacts that have been scoped into the assessment are listed below:

- Construction:
  - Impact 1: Damage to international and national designated sites, local nature reserves, local wildlife sites, and other nature reserves within and surrounding the PEIR Boundary;
  - Impact 2: Damage to areas of priority habitat and veteran trees outside designated sites;
  - Impact 3: Permanent habitat loss, including veteran trees;
  - Impact 4: Temporary habitat loss;
  - Impact 5: Damage to populations of rare arable weeds;
  - Impact 6: Pollution of waterbodies and watercourses, especially via suspended solids but potentially also via spillage of vehicle fluids from construction machinery;
  - Impact 7: Killing, injury and disturbance of protected and priority species;
  - Impact 8: Loss and damage of habitat for protected and priority species, including disruption of movement;
  - Impact 9: Spread of INNS; and
  - Impact 10: Air quality impacts on all ecological features.
- Operation and maintenance:
  - Impact 1: Disturbance of protected and priority species during planned and unplanned maintenance works when the Project is operational.
- Decommissioning:

- Impacts are likely to be similar to construction, but more limited in geographical extent and timescale and there would be no permanent habitat loss.

Table 21.12: Maximum Design Scenario for Ecology (all options)

Potential effect	Maximum Design Scenario	Justification
<b>Construction</b>		
Impact 1: Damage to international and national designated sites, LNRs, local wildlife sites, and nature reserves within and surrounding the AoS known for including scarce and protected species.	Trenchless techniques will be adopted to prevent impacts to designated sites.	<p>The MDS includes the maximum development footprint (temporary and permanent) and therefore the largest possible area of damage and disturbance to ecological features.</p> <p>It also assumes use of the technologies likely to cause most damage where the technology to be used is still uncertain, e.g. trenched crossing of smaller watercourses, and that the most ecologically sensitive habitats would be affected, where there are different routing options.</p>
Impact 2: Damage to areas of priority habitat and veteran trees outside designated sites.	Where there is no certainty that trenchless techniques will be used, trenched crossing has been assumed as a worst-case scenario. Trenching options for smaller watercourse crossings are considered to represent the greatest potential impact to ecological features, either directly or indirectly through hydrological changes. For the assessment presented in the PEIR, the onshore ECC is assumed to be a maximum of 80m wide for open trench sections and approximately 120m wide for trenchless technique sections, and approximately 15km (Lincolnshire Node), and 60 km (Weston Marsh south of the A52 and Weston Marsh north of the A52) in length.	
AND Impact 3: Permanent habitat loss, including veteran trees.		
AND Impact 4: Temporary habitat loss.	Permanent habitat loss associated with the onshore ECC is limited to the transition joint bays. At the time of writing design detail relating to these is not available. Temporary habitat loss during construction includes land disturbed via the worst-case cable corridor route.	
AND Impact 5: Damage to population of rare arable weeds.		
AND	For PEIR, indicative OnSS locations have been provided and the following has been assumed:	

Potential effect	Maximum Design Scenario	Justification
<p>Impact 6: Pollution of waterbodies and watercourses, especially via suspended solids.</p>	<ul style="list-style-type: none"> <li>- Maximum of one substation;</li> <li>- Indicative permanent site area for substation of 18 ha (up to the permanent fencing)</li> <li>- Indicative temporary working area for construction of substation of up to 27 ha</li> </ul> <p>Potential damage to rare arable weeds would result from temporary and permanent habitat loss, pollution and changes to hydrological conditions.</p>	
<p>Impact 7: Killing, injury and disturbance of protected and priority species.</p>	<p>The potential exists for protected or notable species to be impacted by inadvertent injury or killing, or from disturbance via light, noise and human presence.</p> <p>Prior to the completion of detailed ecological field surveys, all UK legally protected and notable species known, or considered likely to occur within the study area are included.</p> <p>The maximum adverse scenario for this effect is based on the temporary and permanent habitat loss areas given above.</p> <p>At the time of writing the commencement of construction or duration is not well defined, however with regard to ecology the year is irrelevant. It is assumed that the construction will take place over 36 months and across all seasons.</p> <p>24-hour working has been assumed to be required on occasion, otherwise it has been assumed that works would be limited to 07:00 to 19:00 from Monday to Friday.</p> <p>Temporary lighting has been assumed to be necessary during construction hours at the times of year when working hours</p>	

Potential effect	Maximum Design Scenario	Justification
	<p>would otherwise be in darkness (approximately October – April).</p>	
<p>Impact 8: Loss and damage of habitat for protected and priority species.</p>	<p>The potential exists for protected or notable species to be impacted by construction activities via permanent or temporary habitat loss.</p> <p>There is potential for temporary habitat fragmentation and species isolation as a result of onshore ECC construction. Permanent habitat fragmentation and species isolation could result from land take associated with construction of the OnSS.</p> <p>Prior to the completion of detailed ecological field surveys, all UK legally protected and notable species known, or considered likely to occur within the study area are included.</p> <p>The maximum adverse scenario for this affect is based on the temporary and permanent habitat loss areas given above. However, the duration of temporary habitat fragmentation is habitat, location and species specific. For PEIR it is considered to last for a maximum period of five years post construction; this being the approximate duration for recovery of a hedgerow or drainage ditch to ecological function for use by most species.</p>	
<p>Impact 9: Spread of INNS.</p>	<p>No INNS have been identified at present. However, there is potential for the presence of INNS which could be spread by construction activities, anywhere across an area equal to the maximum habitat loss areas anticipated.</p>	

Potential effect	Maximum Design Scenario	Justification
<p>Impact 10: Air quality impacts on all ecological features.</p>	<p>Effects from air quality are largely associated with nutrient nitrogen deposition caused by construction traffic and equipment. The assessment will focus on areas within and close to the construction zone, temporary site compounds and along access roads where the Critical Load could exceed 1%. The assessment is presented in Volume 1, Chapter 19: Onshore Air Quality.</p>	
<p><b>Operation and Maintenance</b></p>		
<p>Impact 1: Disturbance of protected and priority species during planned and unplanned maintenance works when the proposed development is operational.</p>	<p>Planned maintenance of the onshore ECC requires visits to cable joint bays.</p> <p>Unplanned maintenance may involve the repair of onshore cable faults. This is extremely rare (indicatively 1-2 events per lifetime). Typically, this involves excavating the two adjacent joint bays, pulling the cable back through the ducting and pulling a new cable through. Alternatively, the area of the fault may be excavated, and two new joints installed within this area. Methods for exaction and reburial will be similar to the original installation.</p> <p>The extent or nature of any unplanned corrective maintenance required cannot be predicted at this stage and therefore possible effects in terms of disturbance cannot be assessed. Any unplanned corrective maintenance required would be subject to any necessary consents and consultation with the relevant nature conservation bodies at the time.</p>	<p>Parameters are based on those stated within the Onshore Project Description (6.1.3).</p>



Potential effect	Maximum Design Scenario	Justification
	<p>Planned maintenance at the OnSS is likely to be highly localised with a minimal likelihood of disturbance expected to the adjacent habitats and species.</p> <p>For unplanned major maintenance, vehicles similar to those used for construction may also be required (rigid lorries delivering materials, low loaders delivering plant and individual vehicles for personnel). In the event of a transformer replacement or failure, an Abnormal Indivisible Load (AIL) similar to that used during construction would be required.</p> <p>Lighting at the OnSS would be directional for safety and security. Task specific lighting could be used externally, if required, on a very infrequent basis.</p>	
Decommissioning		
<p>Impact 1: Impacts likely to be similar to construction, but more limited in geographical extent and timescale and there would be no permanent habitat loss.</p>	<p>Removal of the OnSS including areas of hardstanding.</p> <p>Buried cables would be de-energized with the ends sealed and left in place to avoid ground disturbance.</p> <p>Transition Joint Bays to be left in place.</p>	<p>The MDS includes the maximum footprint and therefore the largest possible area of disturbance to ecological features.</p> <p>It assumes that the most ecologically sensitive habitats would be affected, where there are different routing options.</p>

## Embedded Mitigation

- 21.5.4 Primary mitigation in respect of the proposed landfall, onshore ECC and OnSS options has involved the sensitive siting and design of the onshore infrastructure during site selection, to ensure potential impacts are avoided or reduced.
- 21.5.5 Mitigation measures that have been identified and adopted as part of the evolution of the Project design so far (embedded into the Project design) and that are relevant to Onshore Ecology are listed in Table 21.13. This list of measures may be expanded within the ES, as a result of ongoing survey findings and further development of the Project design.

Table 21.13: Embedded Mitigation relating to Onshore Ecology for all options

Project phase	Mitigation measures embedded into the Project design
<b>General</b>	
Project Design	<p>Careful siting of the landfall and onshore ECC and design of key crossing points and avoidance of direct impacts to designated sites, including SSSIs, LWSs and LWT reserves followed as far as possible.</p> <p>Where the route unavoidably crosses these designations, trenchless techniques will be used.</p> <p>Avoidance of direct impacts on key areas of sensitivity including Priority Habitats (e.g., coastal sand dunes and reedbeds), wherever possible.</p>
<b>Construction</b>	
Bat EPSL	<p>Although surveys have yet to be completed, existing data suggest that roosting bats are present within the study area and that an EPSL may be required if impacts on bats, their roosts, or their resting places are unable to be avoided. If required, the conditions of the EPSL would be specified to ensure that construction and continued presence of the cable route, OnSS and associated infrastructure, does not result in significant adverse effects on the local population. This may include creation of compensation/mitigation roost spaces and habitats for use by bats.</p> <p>An EPSL will be sought for any significant impacts on bats.</p> <p>Further details will be provided in the ES once surveys have been completed and mitigation/ compensation proposals have been further developed.</p>
GCN EPSL	<p>Although surveys have yet to be completed, existing data suggest that GCN are present within the study area and that an EPSL may be required for impacts on any aquatic or terrestrial habitats of breeding populations of GCN. If required, the conditions of the EPSL would be specified to ensure that construction and continued presence of the cable route, OnSS and associated infrastructure, does not result in significant adverse effects on the local population. This may include creation of compensation/mitigation habitats for use by GCN and other amphibians.</p>

Project phase	Mitigation measures embedded into the Project design
	<p>An EPSL will be sought for any significant impacts on GCN.</p> <p>Further details will be provided in the ES once surveys have been completed and mitigation/ compensation proposals have been further developed.</p>
<p>Water Vole Licence (Wildlife and Countryside Act, 1981)</p>	<p>Although surveys have yet to be completed, existing data suggest that water vole are present within the study area and that displacement of water voles and damage or destruction of burrows and bankside habitat may be required. Any such work would be undertaken under licence to ensure that construction and continued presence of the cable route, OnSS and associated infrastructure, does not result in significant adverse effects on the local population. This may require the creation of compensation/ mitigation habitats for water vole, in which event an ecological compensation and mitigation scheme will be developed for the Project.</p> <p>Further details will be provided in the ES once surveys have been completed and mitigation/ compensation proposals have been further developed.</p>
<p>Badger Licence (Protection of Badgers Act, 1992)</p>	<p>Provision will be made for badger access in relevant construction areas, when work is not taking place in order to ensure normal movements as far as reasonably possible. Provision will be made to ensure avoiding the entrapment of any animals within relevant construction areas subject to further ecological surveys. Checks will be made prior to the commencement start of any works to ensure no animals badgers are trapped isolated. Appropriate checks will be made as required by the Ecological Clerk of Works (ECoW).</p> <p>Field surveys have recorded the presence of main setts within the study area and destruction of one or more setts may be required. Any such work would be undertaken under licence to ensure that construction and continued presence of the cable route, OnSS and associated infrastructure, does not result in killing or injury of badgers or impacts to the local population. This may require the creation of compensatory setts, in which event an ecological compensation and mitigation scheme will be developed for the Project.</p> <p>Further details will be provided in the ES once surveys have been completed and mitigation/ compensation proposals have been further developed.</p>
<p>Vegetation Clearance and Other Construction Works</p>	<p>Development of, and adherence to, a Code of Construction Practice (CoCP) for all construction works. The CoCP will be developed which may include the following measures for ecological protection:</p> <ul style="list-style-type: none"> <li>▪ Pre-construction surveys for protected species whose distribution could have changed since the 2022/2023 baseline surveys. These will</li> </ul>

Project phase	Mitigation measures embedded into the Project design
	<p>be undertaken to update the baseline and determine potential impacts at the time of construction;</p> <ul style="list-style-type: none"> <li>▪ Micro-siting of the Project elements will be used to avoid IEFs where possible;</li> <li>▪ Protective fencing will be installed around retained habitats of importance;</li> <li>▪ An ECoW will be employed to oversee construction work and minimise risks to IEFs;</li> <li>▪ All habitats will be reinstated as soon as practicable following construction. Hedgerows will be reinstated using a species-rich, locally appropriate native mixture including heavy standard trees at a 3:1 ratio for any lost; and</li> <li>▪ Checks for the presence of badger setts, reptiles, amphibians, hedgehogs and other protected or notable species will be carried out by the EcoW prior to vegetation clearance. Additional reasonable avoidance measures will be implemented, and mitigation licences will be applied for as necessary. Details will be provided in the ES upon completion of the relevant surveys.</li> </ul>
Landscape and Ecology Management Strategy (LEMS)	<p>Ecological, mitigation and compensation will be identified within a LEMS. The LEMS will also include details of proposed biodiversity enhancements. A LEDPP has been provided with the PEIR (document 8.7), and will be updated to produce the LEMS to be submitted alongside the ES once relevant surveys have been completed and proposed measures have been developed further, with a detailed final version prepared at the Detailed Design stage. The LEDPP sets out the key ecology and landscape elements that will be secured in the final LEMS which the Project will be required to submit to the relevant planning authority for approval as a requirement of the DCO.</p>
Biosecurity and INNS Management Plan	<p>All construction work will be undertaken in accordance with an INNS Management Plan. An outline INNS Management Plan will be included within the ES.</p>
Pollution Prevention and Emergency Incident Response Plan	<p>Construction practices will incorporate measures to prevent pollution. All construction work will be undertaken in accordance with a Pollution Prevention and Emergency Incident Response Plan (PPEIRP). A draft PPEIRP (document reference 8.1.4) has been provided with PEIR and will be updated to be submitted alongside the ES.</p>
Best Practice	<p>All construction work will be undertaken in accordance with the CoCP and relevant good practice guidance including, but not limited to:</p> <ul style="list-style-type: none"> <li>▪ Control of Water Pollution from Construction Sites – Guidance for Consultants and Contractors CIRIA (C532) (CIRIA, 2001);</li> <li>▪ CIRIA – SuDS Manual (C753) (CIRIA, 2015) including: <ul style="list-style-type: none"> <li>○ No discharge to main river watercourses will occur without permission from the relevant IDBs, including the Environment Agency (SuDS Manual or alternative appropriate standard);</li> </ul> </li> </ul>

Project phase		Mitigation measures embedded into the Project design
		<ul style="list-style-type: none"> <li>○ Wheel washers and dust suppression measures to be used as appropriate to prevent the migration of pollutants (SuDS Manual or alternative appropriate standard); and</li> <li>○ Regular cleaning of roads of any construction waste and dirt to be carried out (SuDS Manual or alternative appropriate standard).</li> </ul>
Operation and Maintenance		
General		<p>Operational practices will incorporate measure to prevent pollution and increased flood risk, including emergency spill response procedures, clean up and control of any potentially contaminated surface water runoff. These measures will be included within an Environmental Management System (EMS).</p> <p>The EMS would also include specific measures to avoid potential impact to protected or notable species or sensitive habitats.</p> <p>Where unplanned operational or maintenance works are required, appropriate mitigation measures would be developed and agreed with relevant consultees prior to works taking place.</p>
Decommissioning		
General		<p>Decommissioning practices will incorporate measure similar to the construction phase, to prevent impact to ecological features.</p> <p>Provision of a decommissioning plan in advance of decommissioning works will be a requirement of the DCO, to include protection of ecological features, based on up-to-date survey information and relevant guidance in place at the time of decommissioning.</p>

## 21.6 Assessment Methodology

- 21.6.1 The ecological evaluation and impact assessment approach used in this report is based on CIEEM Guidelines for Ecological Impact Assessment in the United Kingdom and Ireland (CIEEM, 2018, updated in April 2022), which are widely regarded as industry best practice.
- 21.6.2 It has not been possible to complete the impact assessment fully owing to the continuing development of Project design and ongoing field surveys. However, an interim assessment has been provided where possible.

### Important Ecological Feature (IEFs)

- 21.6.3 Ecological features can be important for a variety of reasons and the rationale used to identify them is explained below. Importance may relate, for example, to protected status, the quality or extent of the site or habitats therein; habitat and/ or species rarity; the extent to which such habitats and/ or species are threatened throughout their range, or to their rate of decline.
- 21.6.4 Important habitats are considered to be those which:

- Match descriptions of habitats listed on Annex 1 of the Habitats Directive, so far as it applies to the UK and as transposed by The Conservation of Habitats and Species Regulations 2017 (as amended);
- Comprise irreplaceable habitats, such as (but not limited to) sand dunes, and veteran trees;
- Match descriptions for Priority Habitats and/or Lincolnshire BAP habitats; and/or
- Comprise a significant habitat resource for an important species (see below).

21.6.5 Important species are considered here to be those:

- Of European conservation importance (as listed on Annexes II, IV and V of the Habitats Directive) so far as it applies to the UK and as transposed by The Conservation of Habitats and Species Regulations 2017 (as amended);
- Specially protected under the terms of the Wildlife and Countryside Act 1981 (as amended);
- Red listed or listed as near threatened using International Union for the Conservation of Nature (IUCN) criteria (IUCN, 2012; IUCN, 2016; IUCN, 2019), e.g., in one of the UK Species Status Project reviews, or where a more recent assessment of the taxonomic group has not yet been undertaken, listed in a Red Data Book;
- Which are listed as a Nationally Rare or Nationally Scarce species (e.g. in one of the Species Status Project reviews) or listed as a nationally notable species where a more recent assessment of the taxonomic group has not yet been undertaken; and/ or,
- Endemic to a country of geographic location (it is appropriate to recognise endemic subspecies, phenotypes, or cultural behaviours of a population that are unique to a particular place).

21.6.6 The CIEEM Guidelines state that the importance of an ecological feature should be considered within a defined geographical context. At the time of writing, it is not possible to determine the importance of most habitats and species as baseline surveys have yet to be completed. However, the following frame of reference is used for features for which survey data are available (e.g. designated sites) and will be used for habitats and species in the ES:

- International;
- UK;
- National (i.e. England);
- County (i.e. Lincolnshire); and
- Local (i.e. within *circa* 5km of the PEIR Boundary).

21.6.7 For the purposes of this assessment, only ecological features of Local importance or greater and/ or subject to legal protection are subject to detailed assessment (and are referred to as “IEFs”). Effects on other ecological features of lower importance are considered unlikely to be significant in legal or policy terms so are not subject to detailed assessment.

21.6.8 Table 21.14 outlines the IEFs that have been identified within the relevant study areas for each option, or which based upon desk study information or habitat suitability are considered likely to be present within the relevant study areas, and which may be affected by the Project.

21.6.9 It has not been possible to evaluate the importance of some habitats and species populations for this Chapter, as data are still being collected through ongoing baseline survey. Where this is case, it is acknowledged in tables below.

21.6.10 As baseline data continues to be collected it is possible that some of the valuations provided in Table 21.14 may be subject to change on completion of the ongoing and proposed surveys.

Table 21.14: IEFs identified within the route study areas

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
The Wash (and North Norfolk Coast) SAC, SSSI and NNR	<b>Beyond the PEIR Boundary.</b> Site of European Importance	International	Y	Y	Y
Saltfleetby-Theddlethorpe Dunes SAC, SSSI and NNR	<b>Beyond PEIR Boundary.</b> Site of European and national importance	International	Y	Y	Y
Humber Estuary SAC	<b>Beyond the PEIR Boundary.</b> Site of European Importance	International	Y	Y	Y
Bratoft Meadows SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	Y	Y	Y
Gibraltar Point SSSI and NNR	<b>Beyond the PEIR Boundary.</b> Site of national importance	National	Y	Y	Y
Mavis Enderby Valley SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	Y	/	/
Sea Bank Clay Pits SSSI	<b>Within PEIR Boundary.</b> Site of national importance	National	Y	Y	Y
Surfleet Lows SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
Willoughby Meadow SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Willoughby Wood SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Candlesby Hill SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Hoplands Wood SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Skendleby Psalter Banks SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Jenkins Carr SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Keal Carr SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Calceby Marsh SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Swaby Village SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	/	Y	Y
Muckton Wood SSSI	<b>Beyond PEIR Boundary.</b> Site of national importance	National	Y	/	/
A16 verges North of the River Glen LWS	<b>Beyond PEIR Boundary.</b> Site of county importance	County	/	Y	Y
Anderby Creek Sand Dunes LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Anderby Gravity Outfall LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Anderby Marsh LWT	<b>Within PEIR Boundary.</b>	County	Y	Y	Y



Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
	Site of County Importance				
Blue Gowt Drain, North LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Chapel Pit Nature Reserve (non-SSSI) LWS, LWT	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Chapel Point Dunes, North LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Chapel Point Dunes, South LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Chapel Point Dunes, North LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Chapel Six Marshes LWS, LWT	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Dove's Lane Drain LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Frampton Hall LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Frampton Marsh LWT Reserve	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Havenside Country Park LNR, LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Hobhole Bank LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Hobhole Drain, Baker's Bridge South LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Hobhole Drain, Benington Bridge	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	/	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
to Baker's Bridge LWS					
Hobhole Drain, Simmon House Bridge to Benington Bridge LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	/	Y
Hogsthorpe Pit LWS	<b>Within. PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Hogsthorpe Pit LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Huttoft Carr Terrace to Marsh Yard Dunes LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Marsh Yard to Anderby Creek Dunes LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Middlemarsh Farm LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Middlemarsh Meadows LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Moggs Eye Sea Bank Ponds LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Moulton Marsh LWS, LWT	<b>Within PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Moulton River LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Pinchbeck Marsh LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Risegate Eau LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	/	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
River Glen Corridor LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Shore Road Drain LWS	<b>Within PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Slippery Gowt Sea Bank LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Sloothby Low Lane LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
South Bank Fosdyke LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Spendluffe Meadows LWS, LWT	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	/	Y
Steeping Marsh LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Surfleet Bank LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Surfleet Seas End Saltmarsh LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
The Lymn LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	/	Y
Vernatt's Drain LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Wolla Bank Pit LWT	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Wolla Bank Reedbed LWT	<b>Within PEIR Boundary.</b> Site of County Importance	County	Y	Y	Y
Wolla Bank South LWS	<b>Within PEIR Boundary.</b>	County	Y	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
	Site of County Importance				
Wrangle Brick Pits LWS	<b>Beyond PEIR Boundary.</b> Site of County Importance	County	/	Y	Y
Coastal and Floodplain Grazing Marsh – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Coastal Sand Dunes – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Coastal Saltmarsh – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	/	Y	Y
Lowland Mixed Deciduous Woodland – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Lowland Meadows – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	/	Y
Lowland Calcareous Grassland – Priority Habitat (and Lincolnshire BAP)	<b>Beyond the PEIR boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	/	Y	Y
Saline Lagoons – Priority Habitat	<b>Beyond the PEIR boundary</b>	Not assessed pending	/	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
(and Lincolnshire BAP)	Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	further habitat survey			
Mudflats - Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Reedbeds/ Reedbeds and Bittern – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Traditional Orchard – Priority Habitat (and Lincolnshire BAP)	<b>Beyond the PEIR boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Hedgerow and Hedgerow Trees - Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Rivers, Canals and Drains - Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Ponds, Lakes and Reservoirs – Priority Habitat (and Lincolnshire BAP)	<b>Within PEIR Boundary</b> Examples of habitat may be Priority Habitat and Lincolnshire BAP habitat.	Not assessed pending further habitat survey	Y	Y	Y
Arable field margins	<b>May be present within PEIR Boundary</b> Examples of habitat likely to be present and may be Priority Habitat	Not assessed pending further habitat survey	Y	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
	and under the Lincolnshire BAP				
Urban	<b>Within PEIR Boundary</b> Examples of habitat and may be Priority Habitat under the Lincolnshire BAP and may also qualify under the UK BAP criteria.	County	Y	Y	Y
Shrub	<b>Within PEIR Boundary</b> Not BAP habitat but supports many BAP species.	At least Local	Y	Y	Y
Grassland	<b>Within PEIR Boundary</b> Where not Priority or BAP habitat, this habitat still supports many Priority and BAP species.	At least Local	Y	Y	Y
Important Plants	<b>May be present within PEIR Boundary</b> Records of notable species from designated sites within or immediately adjacent to the PEIR Boundary.	Not yet assessed. Surveys ongoing.	Y	Y	Y
Invertebrates	<b>May be present within PEIR Boundary</b> Records of notable species from designated sites within or immediately adjacent to the PEIR Boundary.	Not yet assessed. Habitat survey ongoing.	Y	Y	Y
Fish	<b>May be present within PEIR Boundary</b> Some suitable habitat present within PEIR boundary which may support	Not yet assessed. Desk study ongoing.	Y	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
	protected/notable species.				
Amphibians	<b>Present within Study Area</b> Surveys ongoing, suitable habitat present within the PEIR boundary which may support protected species.	Not yet assessed. Surveys ongoing.	Y	Y	Y
Reptiles	<b>Present within Study Area</b> Surveys ongoing, suitable habitat present within the PEIR boundary which may support protected species.	Not yet assessed. Surveys ongoing.	Y	Y	Y
Bats	<b>Present within Study Area</b> Surveys ongoing, suitable habitat present within the PEIR boundary which is likely to support foraging, commuting and potentially roosting bats.	Not yet assessed. Surveys ongoing.	Y	Y	Y
Badger	<b>Present within PEIR Boundary</b> Presence of main setts confirmed, but surveys ongoing.	Not yet assessed. Surveys ongoing.	Y	Y	Y
Otter	<b>Present within Study Area</b> Surveys ongoing, suitable habitat present within the PEIR boundary for this protected species.	Not yet assessed. Surveys ongoing.	Y	Y	Y

Important Ecological Feature	Reason for Importance	Geographic Scale of Importance	Route Option of relevance		
			Lincolnshire Node	Weston Marsh South of A52	Weston Marsh North of A52
Water Vole	<b>Present within Study Area</b> Surveys ongoing, suitable habitat present within the PEIR boundary for this protected species..	Not yet assessed. Surveys ongoing.	Y	Y	Y
Other Mammals	<b>Likely to be present within PEIR Boundary</b> Some suitable habitat present for other notable mammal species within PEIR boundary.	Not yet assessed. Surveys ongoing.	Y	Y	Y

## Impact Assessment

21.6.11 The impact assessment process involves the following steps:

- Identifying and characterising potential impacts;
- Incorporating measures to avoid and mitigate (reduce) these impacts;
- Assessing the significance of any residual effects after mitigation;
- Identifying appropriate compensation measures to offset significant residual effects (if required); and
- Identifying opportunities for ecological enhancement.

21.6.12 When describing impacts, reference has been made to the following characteristics, as appropriate:

- Beneficial, negligible or adverse;
- Extent;
- Magnitude;
- Duration (short term <5 years, mid term 5-10 years, long term >10 years);
- Timing;
- Frequency; and,
- Reversibility.

21.6.13 The impact assessment process considers both direct and indirect impacts:



- Direct ecological impacts are changes that are directly attributable to a defined action, e.g., the physical loss of habitat occupied by a species during the construction process; and
- Indirect ecological impacts are attributable to an action, but which affect ecological resources through effects on an intermediary ecosystem, process or features, e.g., the interruption of watercourses which cause hydrological changes, which, in the absence of mitigation, could lead to the drying out of downstream habitats.

## Significant Effects

21.6.14 The concept of ecological significance is addressed in paragraphs 5.24 through to 5.28 of the CIEEM Guidelines. Significance is a concept related to the weight that should be attached to effects when decisions are made. For the purpose of an EclA, a 'significant effect' is an effect that either supports or undermines biodiversity conservation objectives for 'IEFs' or for biodiversity in general. Conservation objectives may be specific (e.g., for a designated site) or broad (e.g., national/ local nature conservation policy) or more wide-ranging (enhancement of biodiversity). Effects can be considered significant at a wide range of scales from international to local and the scale of significance of an effect may or may not be the same as the geographic context in which the features is considered important.

21.6.15 Paragraphs 5.29-5.34 of the CIEEM Guidelines cover how significant effects are determined. To summarise:

- For designated sites – effects may be significant if they are likely to undermine the conservation objectives of the site; or positively or negatively affect the conservation status of species or habitats for which the site is designated; or may affect the condition of the site or its interest/ qualifying features;
- For ecosystems – effects may be significant if the Project is likely to result in a change in ecosystem structure and function. Consideration should be given as to whether any processes or key characteristics will be removed or changed, if there will be an effect on the nature, extent, structure and function of component habitats or if there is an effect on the average population size and viability of component species; and
- For habitats and species – consideration of conservation status is important for evaluating the effects of impacts on individual habitats and species and assessing their significance. Conservation status is defined as follows:
  - Habitats – conservation status is determined by the sum of the influences acting on the habitat that may affect its extent, structure and functions as well as its distribution and its typical species within a given geographical area; and
  - Species – conservation status is determined by the sum of influences acting on the species concerned that may affect its abundance and distribution within a given geographical area.

21.6.16 Aside from the desk study, initial habitat survey, preliminary bat roost assessment and badger survey, all ecological surveys required for robust impact assessment are currently ongoing and therefore it is only possible to assess impacts on a limited range of ecological features at this stage. A full assessment for all IEFs will be provided in the ES.

21.6.17 As the exact route corridor and scheme design remain to be resolved, the MDS identified in Table 21.12 has been selected as having the potential to result in the greatest effect on an identified receptor or receptor group. These scenarios have been selected from the details provided in Volume 1, Chapter 3: Project Description. Effects of greater significance are not predicted to arise should any other development scenario be taken forward in the final design scheme, assuming that it is within the assessed boundaries.

## 21.7 Impact Assessment

### Construction

21.7.1 This section addresses the site clearance and construction phase impacts to the IEFs identified, through reference to the MDS presented in Table 21.12 and assuming that all of the embedded mitigation measures set out in Table 21.13 are implemented. At this stage, it is not possible to assess potential impacts to most ecological features as the baseline dataset is incomplete and the Project design is ongoing. Instead, the potential impacts are based on an interpretation of likely IEF presence and the MDS.

21.7.2 The 80m preferred cable route will lie within the 300m wide PEIR boundary (See PEIR Chapter 3 Project Description (document 6.1.3)). Regardless of the exact siting of the cable route and assuming that priority habitats are avoided as far as possible, the impact of habitat loss would remain broadly similar. However, as the precise area affected is currently unknown, the exact losses are unquantifiable at this stage. The MDS for the OnSS temporary works area is 27 ha, although its final footprint is currently unknown. This initial assessment is therefore a largely qualitative one and includes anticipated impacts which may alter following completion of the relevant surveys and provision of more detailed design information.

21.7.3 The heading 'All Options' is used in this section where a discussion of impacts is presented where these are predicted to occur for all three route options (Lincolnshire Node, Weston Marsh South of A52 and Weston Marsh North of A52).

### Impact 1: Damage to international and national designated sites, local nature reserves, local wildlife sites, and nature reserves within and surrounding the PEIR Boundary

#### *Lincolnshire Node*

21.7.4 Excluding geological designations and sites designated solely for their ornithological interest there is one statutory and 11 non-statutory designations within or immediately adjacent to the PEIR Boundary (see Figure 21.1). These are:

- Sea Bank Clay Pits SSSI (within segment LN1);
- Anderby Creek Sand Dunes LWS (within segment LN1);
- Chapel Six Marshes LWS and LWT Reserve (within segments LN1 and LN2);
- Marsh Yard to Anderby Creek Dunes LWS (within segment LN1);
- Wolla Bank South LWS (within segment LN1);
- Spendluffe Meadows LWS and LWT Reserve (within segments LN1 and LN2);
- Anderby Gravity Outfall LWS;

- Anderby Marsh LWT Reserve;
- Wolla Bank Reedbed LWT Reserve (within segment LN2); and
- Wolla Bank Pit LWT Reserve (within segment LN2).

21.7.5 These designations are largely concentrated along the coast where avoidance or trenchless techniques will be employed to ensure no temporary or permanent loss of habitats within these designations occurs.

*Weston Marsh South of A52 and Weston Marsh North of A52*

21.7.6 There are four statutory and 20 non-statutory designations within, or immediately adjacent to the PEIR boundary (Figure 21.2). These are:

- The Wash (and North Norfolk Coast) SAC and SSSI (within segment WM11);
- Sea Bank Clay Pits SSSI (within segment WM1);
- Havenside Country Park LNR (within segment WM10);
- Anderby Creek Sand Dunes LWS (within segment WM1);
- Chapel Six Marshes LWS and LWT Reserve (within segment WM1);
- Hogsthorpe Pit LWS (within segment WM1);
- Marsh Yard to Anderby Creek Dunes LWS (within segment WM1);
- Wolla Bank South LWS (within segment WM1);
- Shore Road Drain LWS (within segment WM9 and A5);
- Havenside LWS (within segment WM10);
- Hobhole Bank LWS (within segment WM10);
- Hobhole Drain, Baker's Bridge South LWS (within segment WM10);
- Risegate Eau LWS (within segment WM13);
- Moulton Marsh LWS and LWT Reserve (within segment WM14);
- Dove's Lane Drain LWS (within segment WM9 and A5);
- South Bank Fosdyke LWS;
- Anderby Gravity Outfall LWS;
- Anderby Marsh LWT Reserve (within segment WM1);
- Wolla Bank Pit LWT Reserve (within segment WM1); and
- Wolla Bank Reedbed LWT Reserve (within segment WM1).

21.7.7 Trenchless techniques will be employed to ensure no temporary or permanent loss of habitats within these designations occurs.

### *All Options*

- 21.7.8 For all designated sites, indirect impacts from construction activities in nearby land parcels and are possible. Indirect impacts are considered under sections relating to Impact 6 (pollution of waterbodies and watercourses) and Impact 11 (air quality impacts) below. In addition, there is potential for impacts to mobile species associated with these sites, whilst utilising habitats near to / within the PEIR boundary. Such impacts are considered below under Impact 7 (impacts to protected species of fauna) and will be explored in more detail within the ES, once detailed survey information has been collected.
- 21.7.9 Indirect impacts will be minimised through commitment to the embedded mitigation outlined in Table 21.13. Operations on functionally and hydrologically linked land may also be detrimental to habitats within the designations and the species populations for which they are designated. The connectivity of land parcels and designated sites will be investigated, and the Project designed to minimise all the potentially significant impacts identified.
- 21.7.10 **No significant effect** upon designated sites is predicted in respect of non-avian ecological qualifying/ interest features following the implementation of embedded mitigation. However, this will be subject to confirmation in the ES following a review of more detailed Project design information and analysis of the completed baseline surveys.

### **Impact 2: Damage to areas of priority habitat and veteran trees outside designated sites**

#### *Lincolnshire Node*

- 21.7.11 Within the Lincolnshire Node PEIR Boundary there are approximately 12 ha of Priority Habitats which are largely associated with designated sites concentrated along the coast.
- 21.7.12 Away from the landfall, the only other Priority Habitat within the PEIR Boundary is 0.01 ha of deciduous woodland, located in segment LN1, which will be avoided in the route selection process or through the use of trenchless techniques.
- 21.7.13 Additional Priority Habitats identified during the Initial Habitat Survey include ponds, lakes and reservoirs, hedgerows and hedgerow trees and rivers and ditches which are distributed throughout the route.

#### *Weston Marsh South of A52 and Weston Marsh North of A52*

- 21.7.14 There are approximately 44 ha of Priority Habitat within the PEIR boundary for Weston Marsh south of A52 and 57 ha for north of A52. For both options, the coastal Priority Habitat types present within designated sites dominate, however there are small areas of coastal and floodplain grazing marsh outside of designations and within the PEIR boundaries within segments WM2, WM3, WM4 and A1. There are also small areas of lowland deciduous woodland present inland. Priority habitats will be avoided in the route selection process or through the use of trenchless techniques.
- 21.7.15 Additional Priority Habitats identified within the majority of segments across the two routes during the Initial Habitat Survey include ponds, hedgerows and hedgerow trees and rivers and ditches.

### *All Options*

- 21.7.16 The temporary loss of hedgerows, smaller ditches and ponds is likely for all options. Permanent habitat loss is also possible at the OnSS search areas.
- 21.7.17 Damage to Priority Habitats within the PEIR Boundary and the wider study area is possible through the indirect impacts of pollution and significant hydrological changes. These impacts will be avoided by siting the route away from potential receptors wherever possible and adopting the embedded mitigation detailed in Table 21.13. Indirect impacts are considered under sections relating to Impact 6 (pollution of waterbodies and watercourses) and Impact 11 (air quality impacts) below.
- 21.7.18 At this stage of the Project, it is not possible to accurately estimate areas of loss of, or damage to, each Priority Habitat.
- 21.7.19 In the short term the temporary loss of Priority Habitats within the PEIR boundary, all of which are well represented in the wider area, is considered likely to have **significant temporary adverse** effect up to the county level only. **No significant effect** is predicted in the mid-term, once reinstatement has established. This assessment will be subject to confirmation in the ES following a review of more detailed Project design information and analysis of the completed baseline surveys.

### Impact 3: Permanent habitat loss

#### *All Options*

- 21.7.20 At this stage of the Project, it is not possible to accurately estimate the extent of permanent habitat loss for the Project as the final design is not yet known and the habitat field surveys are ongoing. The true extent of the permanent habitat loss will be assessed in the ES when survey data and the Project design become available.
- 21.7.21 Volume 2, Appendix 21.1: Desk Study and Volume 2, Appendix 21.2: Initial Habitat Survey provide totals for habitat types within the PEIR Boundary. With the exception of the coastline, habitats across the PEIR Boundary are predominantly agricultural in nature.
- 21.7.22 Permanent habitat loss is anticipated within the OnSS construction footprint, with the potential for small areas of habitat associated with the onshore ECC, construction site compounds and access infrastructure to also be permanently lost. Losses will be minimised through careful Project design, the adoption of embedded mitigation detailed in Table 21.13 and through employment of trenchless techniques at the landfall, beneath designated sites and elsewhere along the onshore ECC (locations still to be determined). Where permanent habitat loss is unavoidable, opportunities for compensation will be explored and included within the ES and the OLEMS.
- 21.7.23 The permanent loss of small areas of (non-priority) habitats within the PEIR boundary, all of which are well represented in the wider area, is predicted to have **no significant** effect in the short term.

#### Impact 4: Temporary habitat loss

##### *All Options*

- 21.7.24 Temporary habitat loss will occur within the 80m wide corridor, at construction site compounds and along access roads, largely affecting cropland bordered by ditches, hedgerows and grassed field margins.
- 21.7.25 Loss of hedgerows will be mitigated through replanting/ reinstatement with a species-rich, locally appropriate native mixture including heavy standard trees at a 3:1 replacement ratio for any lost. New hedgerows will be created at historic field boundaries or along new ones as close to possible to the site of the original.
- 21.7.26 Where temporary loss of important grassland and/ or field margins will occur, turfs of grassland and/ or field margins will be salvaged for re-use, or a hay cut taken as seed material to aid re-establishment. The mitigation design will be developed fully and details will be provided once the Project design is finalised and field surveys are completed.
- 21.7.27 Field ditches and the vegetation within them will be subject to temporary habitat loss. These will be reinstated and allowed to recolonise naturally following completion of the construction phase. Additional planting of native and locally appropriate plants will also be included where necessary.
- 21.7.28 In the short term the temporary loss of relatively large areas of (non-priority) habitats within the PEIR boundary, all of which are well represented in the wider area, is considered likely to have **significant temporary adverse** effect at no greater than the local level. **No significant effect** is predicted in the mid-term, once reinstatement has established.

#### Impact 5: Damage to populations of rare arable weeds

##### *All Options*

- 21.7.29 Rare arable weeds are most likely to occur within field margins, road verges and grassland fields that have little or no management practices. The presence of arable weeds is being determined through ongoing surveys. Mitigation practices embedded in the Project design will help to minimise impacts including temporary and permanent habitat loss, pollution, dust deposition and hydrological changes. Additional mitigation opportunities will be explored once survey data and further information regarding Project design becomes available. These may include salvage of turf from specific areas for re-use as seed material during re-establishment and seeding of new grassland areas with native and locally appropriate seed mixes.
- 21.7.30 In the short term the temporary and permanent loss of arable habitats within the PEIR boundary, which are well represented in the wider area, could adversely impact populations of rare arable weeds, if present, therefore the Project may have a **significant temporary adverse** effect at no greater than the local level only. **No significant effect** is predicted in the mid-term, once transplanted material / seeding has established.

**Impact 6: Pollution of waterbodies and watercourses, especially via suspended solids but potentially also via spillage of vehicle fluids from construction machinery**

*All Options*

21.7.31 Measures to minimise the risk of a pollution event will be contained within a PPEIRP (document reference 8.1.4), a draft of which has been provided with PEIR and will be updated to be provided alongside the ES. A detailed assessment of this impact is also provided within Volume 1, Chapter 24: Hydrology, Hydrogeology and Flood Risk. To summarise, it concludes that with embedded mitigation measures in place, the impact to water quality as a result of direct spills would be negligible to minor adverse and therefore **no significant effect** is predicted.

**Impact 7: Killing, injury and disturbance of protected and priority species, and Impact 8: Loss and damage of habitat for protected and priority species**

*All Options*

21.7.32 Surveys are ongoing in respect of protected and notable species. Potential impacts along with preliminary mitigation and compensation measures that may be appropriate, if required, are outlined in Table 21.15. Note that some of the potential mitigation and compensation measures are in addition to Embedded Mitigation provided in Table 21.13. The proposed mitigation and compensation will be refined once the development proposals are finalised and the field survey data have been evaluated.

Table 21.15: Potential Impacts and Preliminary Mitigation and Compensation Measures for Important Species

Important Ecology Features (and key locations of records within PEIR)	Potential Impacts	Preliminary Mitigation/ Compensation
Important plants  (Within designated sites)	Temporary and permanent habitat loss. Habitat damage due to pollution.	Safeguarding of important habitats. Salvage of turf from specific areas for re-use as seed material during re-establishment. Translocation of individual plants and areas of grassland. Embedded mitigation is provided to reduce pollution risks.
Invertebrates  (Within segments LN1 and WM1 in Sea Bank Clay Pitts SSSI)	Temporary and permanent habitat loss. Habitat damage due to pollution.	Safeguarding of important habitats. Salvage of turf from specific areas for re-use as seed material during re-establishment. Embedded mitigation is provided to reduce pollution risks.
Fish  (Within segments WM13 and WM14)	Vibration and pollution events resulting from the use of trenchless techniques and other construction activities. Temporary and permanent	Improvement and extension of existing habitats. Embedded mitigation is provided to reduce pollution risks.

Important Ecology Features (and key locations of records within PEIR)	Potential Impacts	Preliminary Mitigation/ Compensation
	habitat loss of smaller ditches.	
Amphibians  (GCN records within 500m of segment WM4)	Temporary loss of ponds and ditches within PEIR Boundary including those used by breeding populations. Permanent pond loss is also possible, although unlikely. Temporary and permanent loss of terrestrial habitat and associated fragmentation. Accidental killing and injury.	EPSLs may be required for impacts to GCN populations. Compensation for permanent pond loss and terrestrial habitat loss provided in advance of construction. Scheduling of certain work to avoid sensitive periods of amphibian life cycles. Translocation of amphibians in advance of site clearance operations. Embedded mitigation is provided to reduce pollution risks.
Reptiles  (Within segments WM12, WM14 and A3)	Temporary and permanent habitat loss possible. Accidental killing and injury.	Mitigation for GCN will also reduce risks to reptiles. Reasonable avoidance measures would be used, where necessary, to reduce the risk of committing an offence under the protecting legislation.
Bats  (Roosts within segments LN2, WM2, WM12 and WM14)	Loss of buildings and trees within the PEIR Boundary with the potential to support roosting bats, or disturbance or roosts (through artificial lighting) Permanent loss of flight lines and foraging habitat at the substation area. Temporary fragmentation of hedgerow flight lines (direct loss and artificial lighting) and loss of foraging habitat elsewhere within the PEIR Boundary.	EPSL for disturbance or loss of bat roosts obtained in advance if any roosts are affected. Compensation installed for every moderate or high potential roost feature prior to loss; to include bat boxes on retained trees or installed poles, re-use of whole felled trunks by setting vertically as monoliths and/ or veteranisation (cutting and carving into healthy trees to mimic nature, to speed up the development of decay and rot holes) as appropriate. Temporary hedgerow gaps to be filled with 'dead hedge' until such time as reinstated vegetation has established and is at least 1 m tall. Permanent hedgerow/ tree loss to be compensated for as described in relation to Impact 4. Details to be provided in the LEDPP.



Important Ecology Features (and key locations of records within PEIR)	Potential Impacts	Preliminary Mitigation/ Compensation
		Artificial lighting to avoid light spill onto roosts, commuting / foraging habitat.
Badger	Loss or disturbance to active badger setts. Temporary and permanent loss of foraging habitat. Accidental killing and injury.	Setts closed under licence from Natural England and creation of compensatory setts if required. Reasonable avoidance measures would be used to reduce the risk of committing an offence under the protecting legislation. These may include micro-siting certain elements and/ or installing protective fencing to minimise disturbance to retained setts, ensure excavations remain closed overnight or contain ramps such that badgers cannot become trapped and ensuring stockpiled soil is fenced or regularly disturbed so as to deter badger sett creation within it.
Otter  (Within segments LN1, LN2, WM1, WM2, WM13, WM14 and A1)	Potential for the Project to directly impact otter holts. Temporary and permanent loss and fragmentation of foraging routes and areas. Disturbance to otter from construction, operations. Accidental killing and injury.	Reasonable avoidance measures would be used to reduce the risk of committing an offence under the protecting legislation. These would be broadly similar to those described for badger (above). A licence from Natural England may be required depending on the nature of any impact. Artificial lighting to avoid light spill onto commuting foraging habitat.
Water Vole  (Within most segments)	Potential for the Project to directly impact water vole burrows. Temporary and permanent loss of foraging and sheltering habitat. Temporary and permanent fragmentation of foraging areas/ routes. Accidental killing and injury.	Mitigation for temporary habitat loss in advance; this may involve temporary relaxation of bankside cutting/ grazing regimes or alterations to main river maintenance schedules. Scheduling of work to avoid sensitive periods of the water vole life cycle. Deterrence, or if necessary, removal of water vole from areas where there is risk of injury or death in advance. Reinstatement of bankside habitats immediately after work, to include sowing with a species rich, locally

Important Ecology Features (and key locations of records within PEIR)	Potential Impacts	Preliminary Mitigation/ Compensation
		appropriate sward and fencing to prevent stock access.
Other Mammals	Temporary and permanent habitat loss. Temporary and permanent fragmentation of foraging areas/ routes and resting places. Disturbance and accidental killing and injury.	Embedded mitigation practices adopted. The additional mitigation and compensation measures outlined above will also benefit other mammal species. Species-specific practices (including those for hedgehog) to be adopted should important populations be identified during field surveys.

21.7.33 Taking account of the embedded mitigation measures, and additional mitigation measures if required, **no significant effect** on the local conservation status of any protected or priority species is predicted.

#### Impact 10: Spread of Invasive Non-Native Species (INNS)

##### All Options

21.7.34 Although no records of INNS within the PEIR boundary have been returned, field surveys are ongoing and it is possible that some are present.

21.7.35 The primary ways the Project could increase the spread of INNS is via:

- Disturbance to existing INNS populations within the construction footprint;
- Inadvertently importing INNS from elsewhere, primarily on vehicles, but also other equipment of personnel; and
- Via seeds, planting stock or planting substrate.

21.7.36 Embedded mitigation outlined in Table 21.13 will effectively minimise the spread of any INNS and **no significant effect** on any IEF is predicted.

#### Impact 11: Air quality impacts on all ecological features.

##### All Options

21.7.37 Impacts in relation to air quality have been assessed in Volume 1, Chapter 19: Onshore Air Quality and are summarised below in respect of ecological features:

- The sensitivity of the study area with respect to ecological impacts in relation to earthworks and construction is considered to be high, and low in relation to trackout<sup>1</sup> activities;

<sup>1</sup> The term 'trackout' refers to the movement of dust and dirt from a construction/demolition site onto the public road network, where it may be deposited and then re-suspended by vehicles using the network.

- The risk to ecological features from dust (without appropriate mitigation in place) is high during earthworks and construction and low in relation to trackout activities;
- Potential effects from dust during construction are temporary, short-term and intermittent depending on activity / meteorological conditions; and
- Ecological designations could experience air quality effects, in-combination.

21.7.38 Embedded mitigation measures are presented in the Outline Air Quality Management Plan (document reference 8.1.2). These will ensure that residual effects are negligible to minor adverse and **not significant** in terms of the EIA Regulations.

## Operation and Maintenance

**Impact 1: Disturbance of protected and priority species during planned and unplanned maintenance works when the proposed development is operational.**

### *All Options*

- 21.7.39 Once the OnSS is operational, activities would be limited to regular inspections and occasional maintenance. This would be highly localised within the OnSS, with a minimal likelihood of disturbance expected to the adjacent habitats and species. Any such maintenance would be subject to an Ecological Method Statement (EcMS) which would include specific measures to avoid potential impacts to protected/ notable species or sensitive habitats (precise contents dependent upon ongoing survey results). The EcMS would also include measures to minimise the risk of a pollution event. Following the implementation of an agreed EcMS, no significant adverse effects are anticipated for any IEFs as a result of regular maintenance at the substation.
- 21.7.40 Details in respect of sound levels generated by the operation of the OnSS will be included within the ES. There are no statutory or non-statutory designated sites within any of the OnSS search areas and at this stage it is considered unlikely that operational noise will significantly affect IEFs, although this will need to be confirmed following completion of ongoing survey and provision of the OnSS design. Non-avian ecological features that could be affected by operational noise at the OnSS are likely to be limited to bats. Surveys are ongoing and should a significant roost be recorded in close proximity to the OnSS, there may be potential for adverse effects. Should mitigation be necessary, this will be detailed in the ES.
- 21.7.41 A lighting scheme for the OnSS has not yet been finalised but lighting will be directional for safety and security only. An outline Light Emissions Plan (document reference 8.1.10) has been submitted alongside this PEIR. It is anticipated that there would be no light spill beyond the OnSS site boundary and the lighting scheme will follow current guidance to minimise impacts to bat species (BCT, 2018).
- 21.7.42 Planned maintenance of the cable route is likely to involve an annual visit by a small team. Maintenance would be subject to an EcMS which would include specific measures to avoid potential impacts to protected/ notable species or sensitive habitats.
- 21.7.43 Taking account of the embedded mitigation measures, **no significant effect** on any IEF is predicted.

21.7.44 The extent or nature of any unplanned corrective maintenance required can't be predicted at this stage and therefore possible effects in terms of disturbance cannot be assessed. However, any effect would be of a scale and duration that is no greater than that for the construction phase and so any resulting effects would be the same or lower than the effects predicted for the construction phase. Any unplanned corrective maintenance required would be subject to any necessary consents and consultation with the relevant nature conservation bodies prior to work taking place.

## Decommissioning

**Impact 1: Impacts likely to be similar to construction, but more limited in geographical extent and timescale and there would be no permanent habitat loss.**

### *All Options*

21.7.45 At the time of writing, the approach to decommissioning is not defined, however it is considered likely that impacts would be much less significant than those associated with construction, as works would likely be limited to removal of cabling via jointing bays and removal of permanent infrastructure associated with the OnSSs.

21.7.46 Mitigation and compensation for any impacts would be in-line with that described for the construction phase impacts.

21.7.47 Therefore, in the short term the temporary loss of habitats non-Priority habitats within the PEIR boundary, all of which are well represented in the wider area, is considered likely to have **no significant effect**.

## 21.8 Cumulative Impact Assessment

21.8.1 Cumulative effects can result from individually insignificant but collectively significant actions taking place over a period of time or concentrated in a location. Cumulative effects can occur where a proposed development results in individually insignificant impacts that, when considered cumulatively with impact of other proposed or permitted plans and projects, can result in significant effects.

21.8.2 Projects and plans were selected as relevant to the assessment of cumulative impacts to Onshore Ecology based upon an initial screening exercise which has informed the production of Volume 2, Appendix 5.2: Onshore Cumulative Effects Assessment. Each project, plan or activity was considered and scoped in or out on the basis of effect-receptor pathway, data confidence and the temporal and spatial scales involved as presented. Where no hydrological or ecological connection exists, the project or plan is located more than 1km from any part of the onshore ECC, or 5km from the centre of the OnSS search area, or the plan or project have been considered for planning after mid-March 2023, these have been scoped out. Projects or plans which are considered to have potential for cumulative effects on Onshore Ecology are presented in Table 21.16 below.

21.8.3 This exercise will be repeated ahead of submission of the ES, and the updated cumulative effects assessment will be described therein. At the time of writing, there is insufficient design and baseline information to support a more detailed assessment of cumulative impacts.

Table 21.16: Projects considered to have potential for cumulative effects on Onshore Ecology

Reference Number	Description	Distance from Project (and nearest segment)	Potential contribution to cumulative effects	Explanation
B/20/048 8	Outline application for 46 residential dwellings and associated works with all matters reserved for later approval	850m NW of PEIR Boundary at Church End Lane to The Haven (WM10)	Accidental pollution of watercourses and hydrologically connected habitats, direct / indirect impacts on protected or notable species.	Moderate sized housing development. Impacts on hydrological and functional linkages will need to be assessed cumulatively within the ES.
B/20/048 9	Proposed residential development of 20 affordable dwellings and associated works	800m NW of PEIR Boundary at Church End Lane to The Haven (WM10)	Accidental pollution of watercourses and hydrologically connected habitats, direct / indirect impacts on protected or notable species.	Moderate sized housing development. Impacts on hydrological and functional linkages will need to be assessed cumulatively within the ES.
B/21/019 6	Approval of reserved matters (Access, appearance, landscaping, layout and scale) following outline approval b/16/0465 (Residential development of up to 42 dwellings)	230m N of PEIR Boundary at Crowhall Lane to Church End Lane (WM9)	Permanent and temporary habitat loss, accidental pollution of watercourses and hydrologically connected habitats, direct / indirect impacts on protected or notable species and spread of INNS.	Moderate sized housing development. Loss of habitats, disturbance and impacts on hydrological and functional linkages will need to be assessed cumulatively within the ES.
B/21/041 9	Outline Application with all Matters (Access, Appearance,	160m SW of PEIR Boundary at Marsh Road to Fosdyke Bridge(WM12)	Permanent and temporary habitat loss, accidental pollution of watercourses and hydrologically connected	Cumulative effects are likely to be small and not significant. However, habitat loss, and impacts on hydrological and functional linkages

Reference Number	Description	Distance from Project (and nearest segment)	Potential contribution to cumulative effects	Explanation
	Landscaping, Layout and Scale) reserved for later approval for a proposed residential development of 9no. self-build/ custom-build homes and 2no. Almshouses (Resubmission of B/20/0295)		habitats, direct / indirect impacts on protected or notable species and spread of INNS.	will need to be assessed cumulatively within the ES.
N/084/01 712/22	Detailed particulars relating to the erection of 89no. Dwellings, erection of a pumping station, construction of a vehicular access and construction of internal roads (Outline planning permission ref no. N/084/0809/19, granted 13th September 2019).	220m SSW of PEIR Boundary at Landfall to A52 – Hogsthorpe (WM1)	Permanent and temporary habitat loss, accidental pollution of watercourses and hydrologically connected habitats, direct / indirect impacts on protected or notable species and spread of INNS.	Housing development near to the PEIR Boundary. Habitat loss and impacts on hydrological and functional linkages will need to be assessed within the ES.

Reference Number	Description	Distance from Project (and nearest segment)	Potential contribution to cumulative effects	Explanation
Boston Alternative Energy Facility (BAEF)	Energy from waste facility with wharf, gasification plant, turbine plant, lightweight aggregate manufacturing plant, electrical export infrastructure and associated site infrastructure. Secretary of State (SoS) set new deadline of 06/07/2023 to decide the application.	2.5km N of PEIR Boundary	Accidental pollution of watercourses and hydrologically connected habitats, direct / indirect impacts on protected or notable species.	Hydrological and functional linkages to the Project will need to be assessed within the ES.
Low Farm Solar Farm	Construction of a temporary 49.9MW solar farm, to include the erection of ground mounted solar panels with transformers to the maximum height of 2.46 metres, a 132KV substation, a DNO control room, a customer	Approximately 260m NW of the PEIR Boundary	Permanent and temporary habitat loss, accidental pollution of watercourses and hydrologically connected habitats, direct / indirect impacts on protected or notable species and spread of INNS.	Solar farm near to the PEIR Boundary. Habitat loss and impacts on hydrological and functional linkages will need to be assessed within the ES.

Reference Number	Description	Distance from Project (and nearest segment)	Potential contribution to cumulative effects	Explanation
	substation, GRP communications cabin, erection of security fencing and provision of landscaping and other associated infrastructure			



## 21.9 Inter-Relationships

21.9.1 Table 21.17 below sets out the inter-relationships between this Chapter and others within the PEIR.

Table 21.17: Inter-relationships between Onshore Ecology and other Chapters within the PEIR

Topic/ Chapter	Details
Volume 1, Chapter 19: Onshore Air Quality	The Onshore Air Quality Chapter considers air quality impact during construction to sensitive ecological features as a result of dust and increased road traffic concluding that residual effects are not significant in terms of the EIA Regulations.
Volume 1, Chapter 22: Onshore Ornithology	The Onshore Ornithology Chapter addressed impacts on birds and sites designated for birds. At the time of writing, effects will be assessed at ES stage when more baseline information and detailed design information are available.
Volume 1, Chapter 24: Hydrology, Hydrogeology and Flood Risk	The Hydrology, Hydrogeology and Flood Risk Chapter provides a description of the hydrological setting of water courses within the survey area and assesses impacts upon them. It concludes that there will be no significant residual effects on water quality and flood as a result of the Project.
Volume 1, Chapter 28: Landscape and Visual Assessment	The Landscape and Visual Assessment Chapter considers the impact of the Project on hedgerows and trees as landscape resource and visual amenity elements, and concludes that there will be significant effects, predominantly onshore during the construction phase (vegetation removal).

## 21.10 Potential Transboundary Effects

21.10.1 The approach to assessment of potential transboundary effects is described in Section 5 of the Scoping Report.

21.10.2 With respect to onshore ecology and biodiversity (excluding ornithology) potential for transboundary effects is limited to migratory species of bat, such as Nathusius' pipistrelle (*Pipistrellus nathusii*), which breed or winter overseas.

21.10.3 Surveys in 2023 will collect bat activity data across the entire season, including during key migration periods in September, October and May (as requested by Natural England at a meeting on 30<sup>th</sup> January 2023). Analysis of data will include a review for activity peaks for species known to migrate during these key periods.

## 21.11 Avoidance, Mitigation, Compensation and Enhancement

21.11.1 When seeking mitigation or compensation solutions, the CIEEM Guidelines state that effects should be consistent with the geographical scale at which an effect is significant. For example, mitigation and compensation for effects on a species population that is significant at a county scale should ensure, wherever possible, there are no adverse effects upon the population status at a county scale. The relative geographic scale at which the effect is significant therefore has a bearing on the required outcome which must be achieved.

- 21.11.2 Where potentially significant effects have been identified, the mitigation hierarchy has been applied, as recommended in the CIEEM Guidelines. The mitigation hierarchy sets out a sequential approach beginning with the avoidance of impacts where possible, the application of mitigation measures to minimise unavoidable impacts and then compensation for any remaining impacts. Once avoidance and mitigation measures have been applied, residual effects are then identified along with any necessary compensation measures, and incorporation of proposals for biodiversity enhancement.
- 21.11.3 It is important for the EclA to clearly differentiate between avoidance, mitigation, compensation, and enhancement. These terms are defined here as follows:
- Avoidance is used where an impact has been avoided, e.g., through changes in the Project design;
  - Mitigation, or minimisation, is used to refer to measures to reduce or remedy a specific negative impact *in situ*;
  - Compensation describes measures taken to offset residual effects, i.e., where mitigation *in situ* is not possible; and,
  - Enhancement is the provision on new benefits for biodiversity that are additional to those provided as part of mitigation or compensation measures, although they can be complementary.
- 21.11.4 At this stage, due to the ongoing development of the Project design and the ongoing collection of survey data, it is only possible to provide limited information in respect of avoidance, mitigation, compensation and enhancement for most ecological features. Mitigation and compensation principles relating to the loss of priority habitats and impacts on protected species are outlined in Principles 1 to 8 of the LEDPP. A commitment to management and monitoring for newly created habitats is outlined in Principle 9 of the LEDPP. These Principles will be built on following completion of ongoing surveys and more detailed designs, further details will be provided within the ES.
- 21.11.5 BNG is an approach to development activities that leaves the natural environment in a measurably better state than it was before. BNG works with and does not replace the mitigation hierarchy. It does not replace existing legal requirements (e.g., in relation to protected species) and it should not be applied to compensate for impacts on irreplaceable habitats.
- 21.11.6 The Project is cognisant of the good practice in respect of BNG and will align with the ten principles developed by CIEEM, Institute of Environmental Management and Assessment (IEMA) and Construction Industry Research and Information Association (CIRIA) (Baker et al., 2019) summarised below:
- Principle 1. Apply the Mitigation Hierarchy. Avoid and then minimise impacts on biodiversity. As a last resort, and in agreement with stakeholders and decision-makers, compensate for losses that cannot be avoided;
  - Principle 2. Avoid losing biodiversity that cannot be offset by gains elsewhere. Avoid impacts on irreplaceable biodiversity – these impacts cannot be offset;

- Principle 3. Be inclusive and equitable. Engage stakeholders in designing, implementing, monitoring and evaluating the approach to Net Gain. Share the benefits fairly among stakeholders;
- Principle 4. Address risks. Mitigate difficulty and/or uncertainty using well accepted ways to add contingency when calculating biodiversity losses and gains;
- Principle 5. Make a measurable Net Gain contribution. Achieve a measurable, overall gain for biodiversity and the services ecosystems provide while directly contributing towards nature conservation priorities;
- Principle 6. Achieve the best outcomes for biodiversity. Achieve the best outcomes for biodiversity by using robust, credible evidence and local knowledge;
- Principle 7. Be additional. Achieve nature conservation outcomes that demonstrably exceed existing obligations (i.e., do not deliver something that would occur anyway);
- Principle 8. Create a Net Gain legacy. Ensure Net Gain generates long-term benefits;
- Principle 9. Optimise sustainability. Prioritise BNG and, where possible, optimise the wider environmental benefits for a sustainable society and economy; and
- Principle 10. Be transparent. Communicate all Net Gain activities in a transparent and timely manner, sharing the learning with all stakeholders.

21.11.7 In respect of Principle 5, the Project intends to use the Defra Metric 4.0 to demonstrate measurable Net Gain contribution. It is however worth highlighting here that since the metric is a proxy, it does not account for species-specific mitigation, compensation or enhancement. Loss/ gains in this respect will be measured against monitoring targets set out within the relevant EPSL (if applicable) and OLEMS that will be submitted alongside the ES.

21.11.8 The Project's approach to BNG is set out in more detail in Biodiversity and Marine Net Gain Principles and Approach (document reference 8.3). A BNG assessment is not being submitted as part of the PEIR consultation as there is insufficient detail to provide one at this time.

21.11.9 Additional detail will be provided within the ES, based upon completed survey data and the indicative scheme design. This will include baseline and post-Project plans as well as a completed BNG Metric 4.0 spreadsheet. The requirements for auditing against the BNG objectives will be set out within an appendix to the OLEMS.

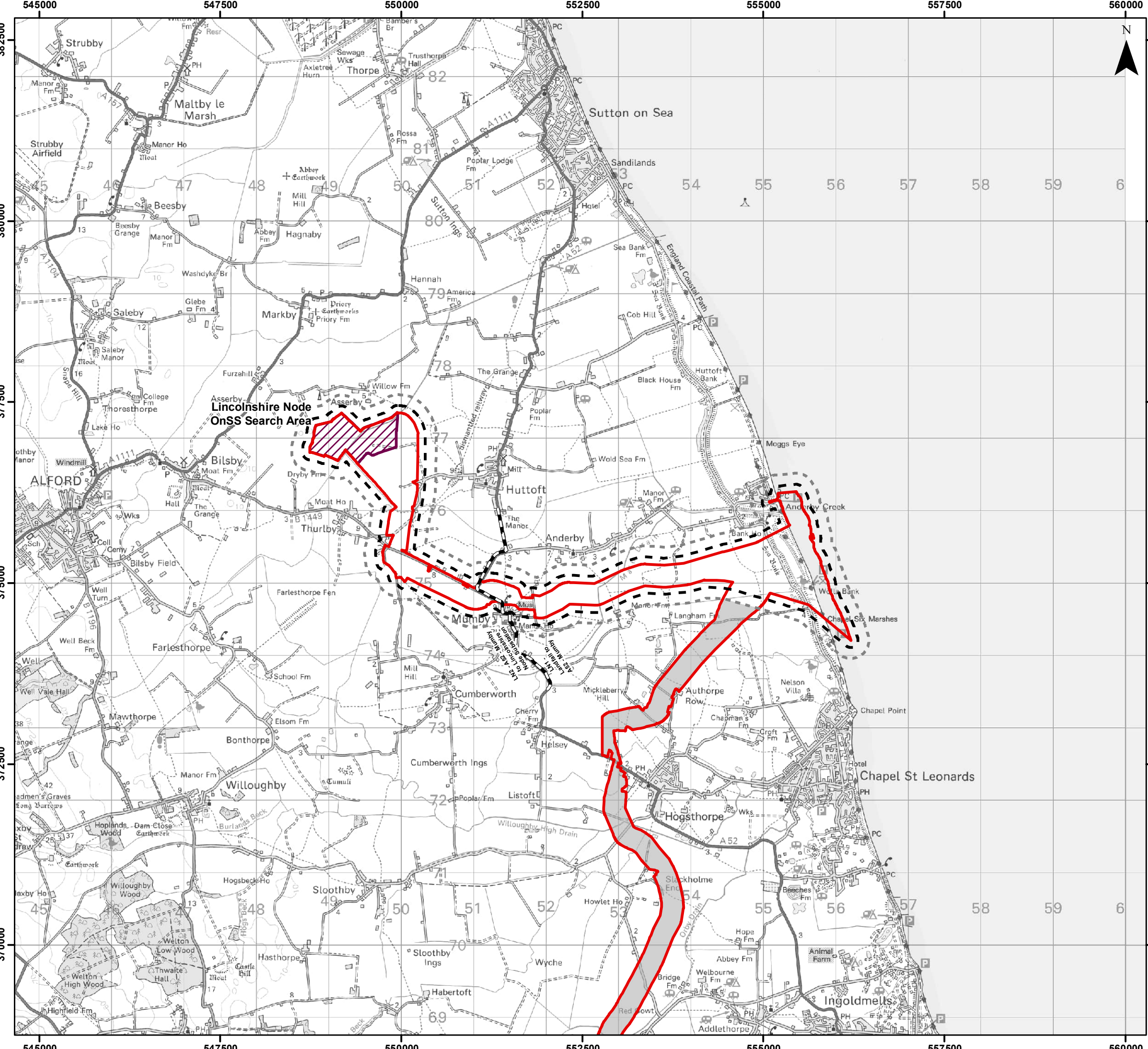
## 21.12 Summary of Effects

21.12.1 This assessment has considered the potential effects on Onshore Ecology (excluding ornithology, see Volume 1, Chapter 22: Onshore Ornithology) arising from onshore activities associated with the Project. Consideration has been given to potential worst-case effects arising from onshore construction, operational and decommissioning activities based upon available information. Worst-case parameters have been adopted to provide as robust an assessment as possible, based on available data collected to date.

- 21.12.2 Limitations to the assessment, which largely relate to the lack of field survey data for habitats and lack of survey data for protected and notable species, surveys for many of which are ongoing, have been clearly identified. These limitations will be addressed in the ES, following completion of the relevant surveys.
- 21.12.3 The approach undertaken was based upon The Planning Inspectorate’s Scoping Opinion (The Planning Inspectorate, 2022) and subsequently discussions with the Onshore Ecology ETG.
- 21.12.4 A summary of significant effects on IEFs is presented at Table 21.18 which only includes IEFs which are likely to be affected by the onshore elements of the Project. IEFs excluded from Table 21.18 are not likely to be affected.

Table 21.18: Summary of significant effects arising from the Project

Description of impact	Effect	Additional mitigation measures	Residual impact
<b>Construction</b>			
Damage to areas of priority habitat and veteran trees outside designated sites	Short term <b>significant temporary adverse</b> greatest effect at the county level only.	Not Applicable – all mitigation will be embedded	<b>No significant effect</b> in the mid-term, once planting has established.
Temporary habitat loss	Short term <b>significant temporary adverse</b> greatest effect at the local level only.	Not Applicable – all mitigation will be embedded	<b>No significant effect</b> in the mid-term, once planting has established.
Damage to populations of rare arable weeds	Short term <b>significant temporary adverse</b> effect at the local level only.	Not Applicable – all mitigation will be embedded	<b>No significant effect</b> in the mid-term, once planting has established.
<b>Operation and Maintenance – no significant effects predicted</b>			
<b>Decommissioning – no significant effects predicted</b>			
<b>Cumulative</b>			
Permanent and Temporary Habitat loss	To be confirmed in ES	To be confirmed in ES	To be confirmed in ES
Pollution of waterbodies and watercourses, especially via suspended solids	To be confirmed in ES	To be confirmed in ES	To be confirmed in ES



### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Lincolnshire Node OnSS Search Area
- Onshore PEIR Boundary Lincolnshire Node
- 100 m Buffer
- Onshore PEIR Boundary Lincolnshire Node 250 m Buffer

Sources:



Coordinate System: British National Grid

Scale: 1:50,000

Preliminary Environmental Information Report  
 Lincolnshire Node - Study Area

Figure 21.1

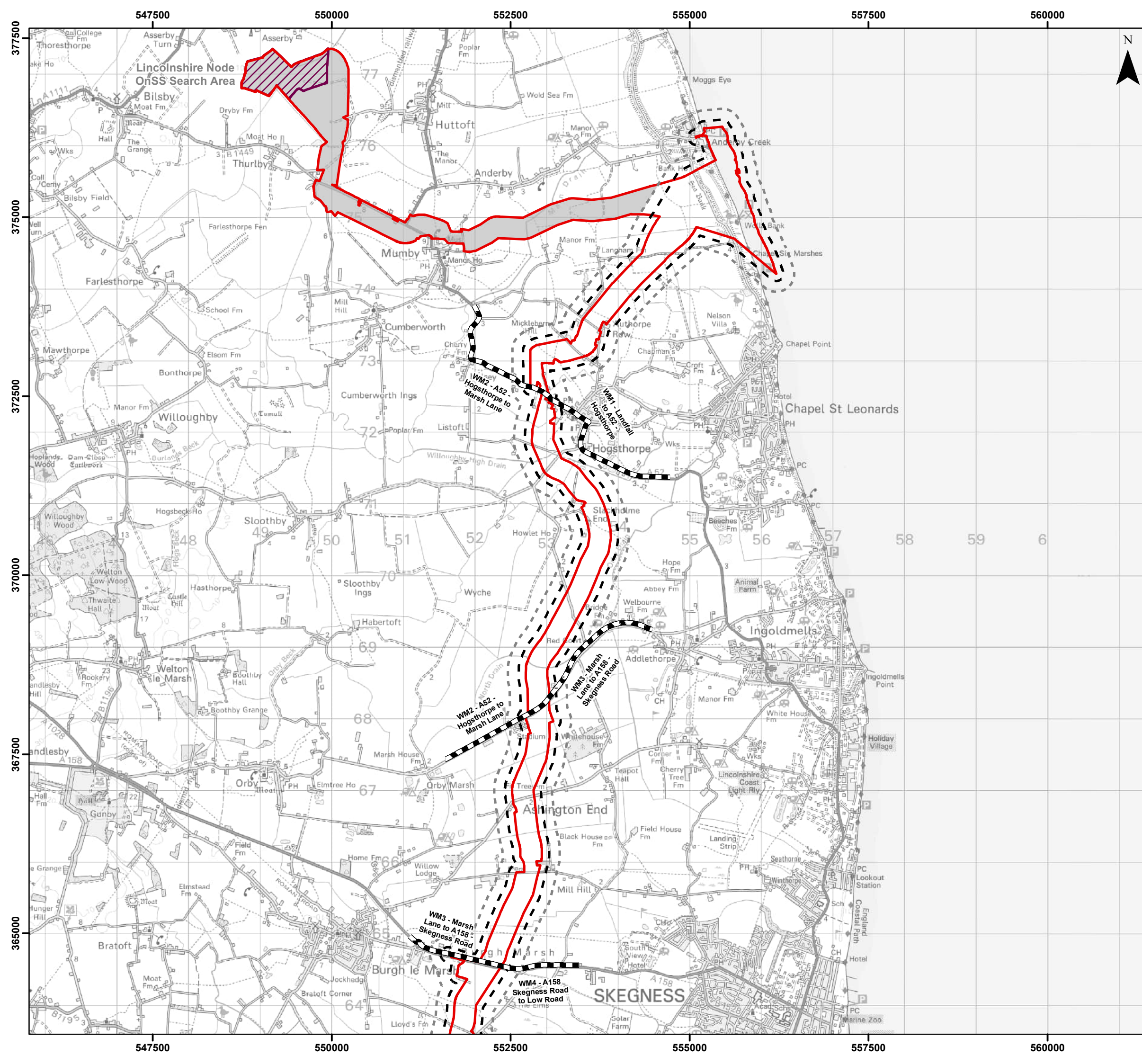


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### Legend

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh 100 m Buffer
- Onshore PEIR Boundary Weston Marsh 250 m Buffer



Coordinate System: British National Grid  
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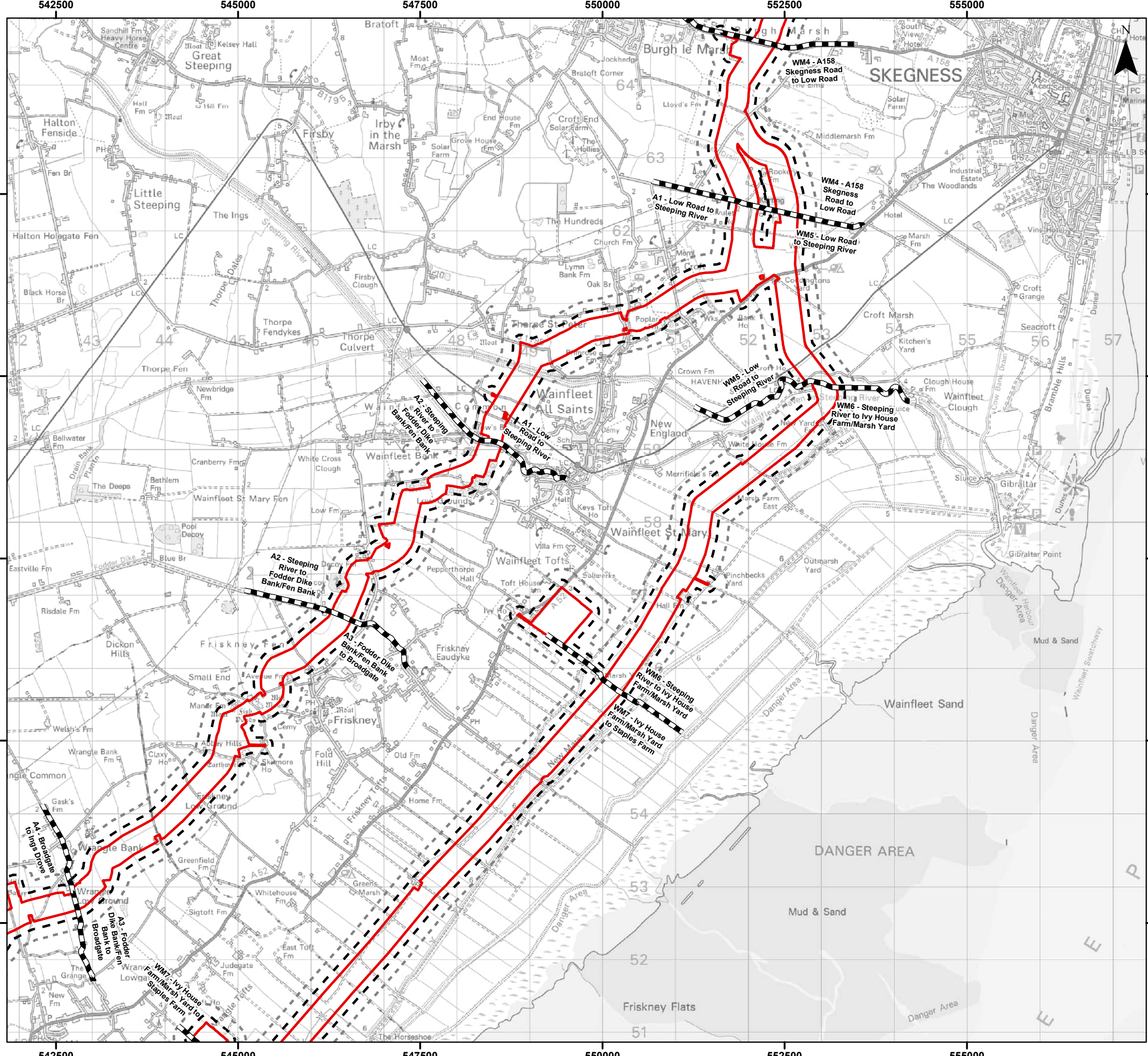
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Figure 21.2.1

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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh 100 m Buffer
- Onshore PEIR Boundary Weston Marsh 250 m Buffer

Sources:



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh - Study Area

Figure 21.2.2

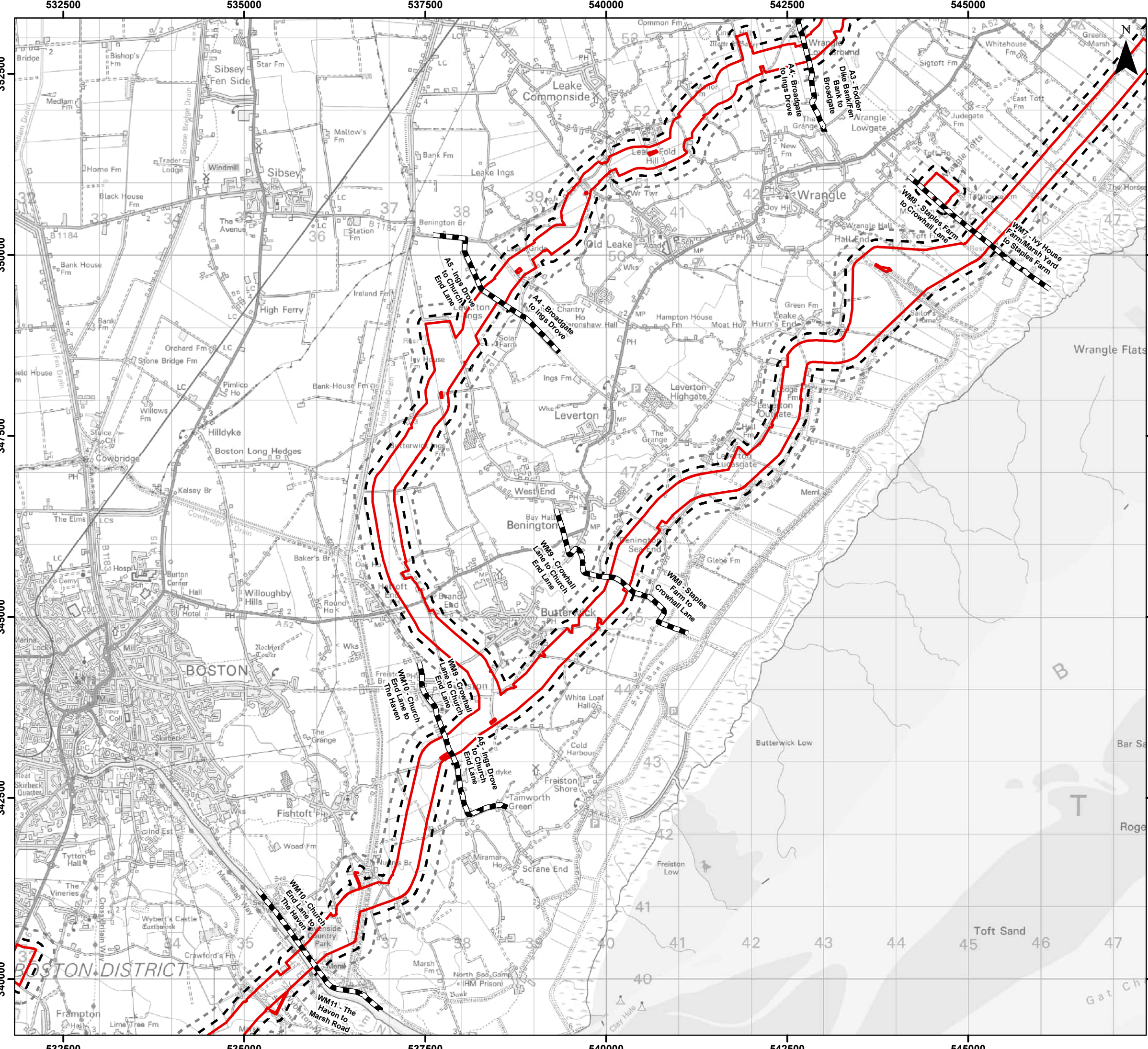


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh 100 m Buffer
- Onshore PEIR Boundary Weston Marsh 250 m Buffer

Sources:



Coordinate System: British National Grid

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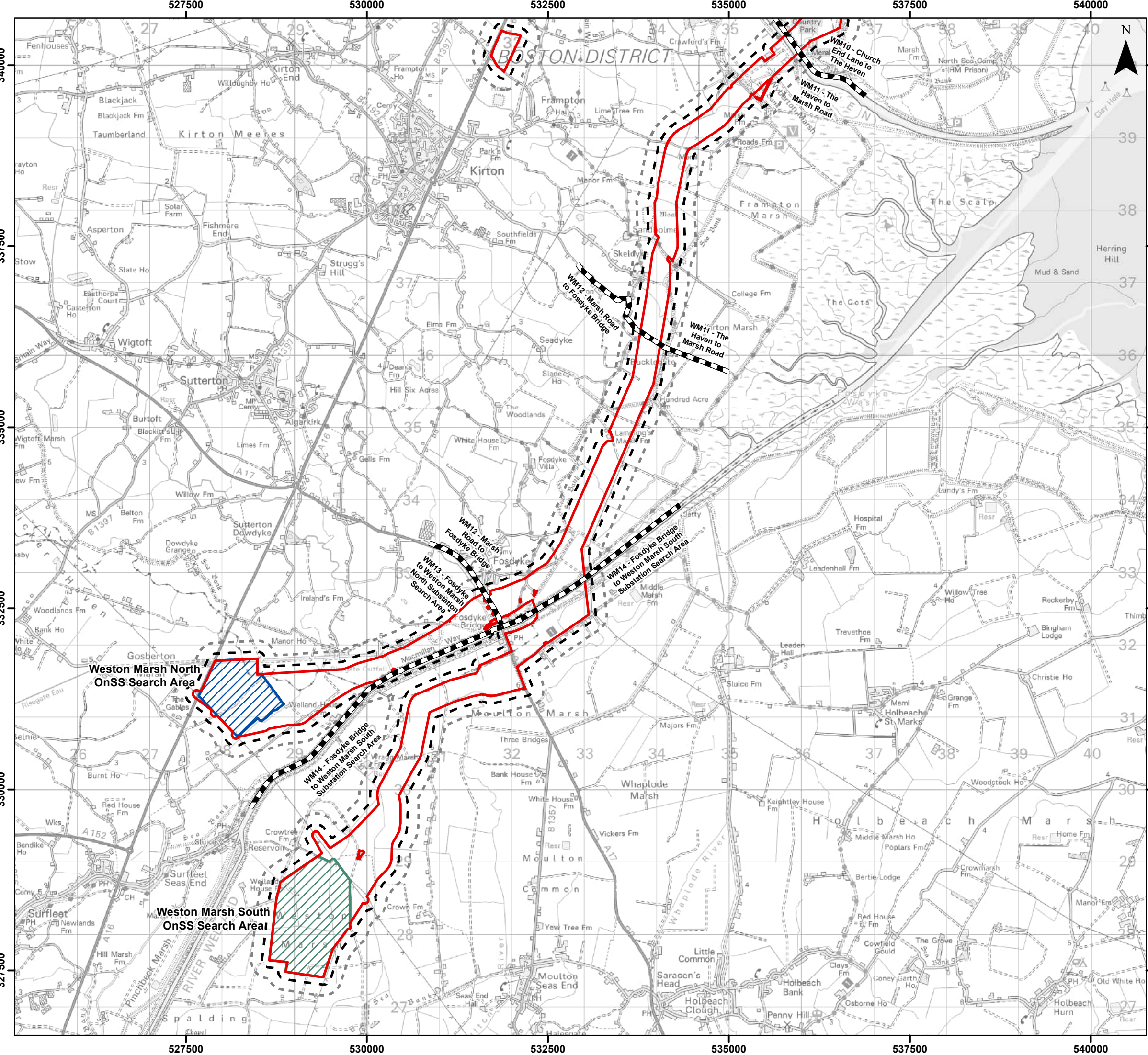
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Figure 21.2.3



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### Legend

- Onshore PEIR Boundary
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh 100 m Buffer
- Onshore PEIR Boundary Weston Marsh 250 m Buffer

Sources:



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh - Study Area  
 Figure 21.2.4

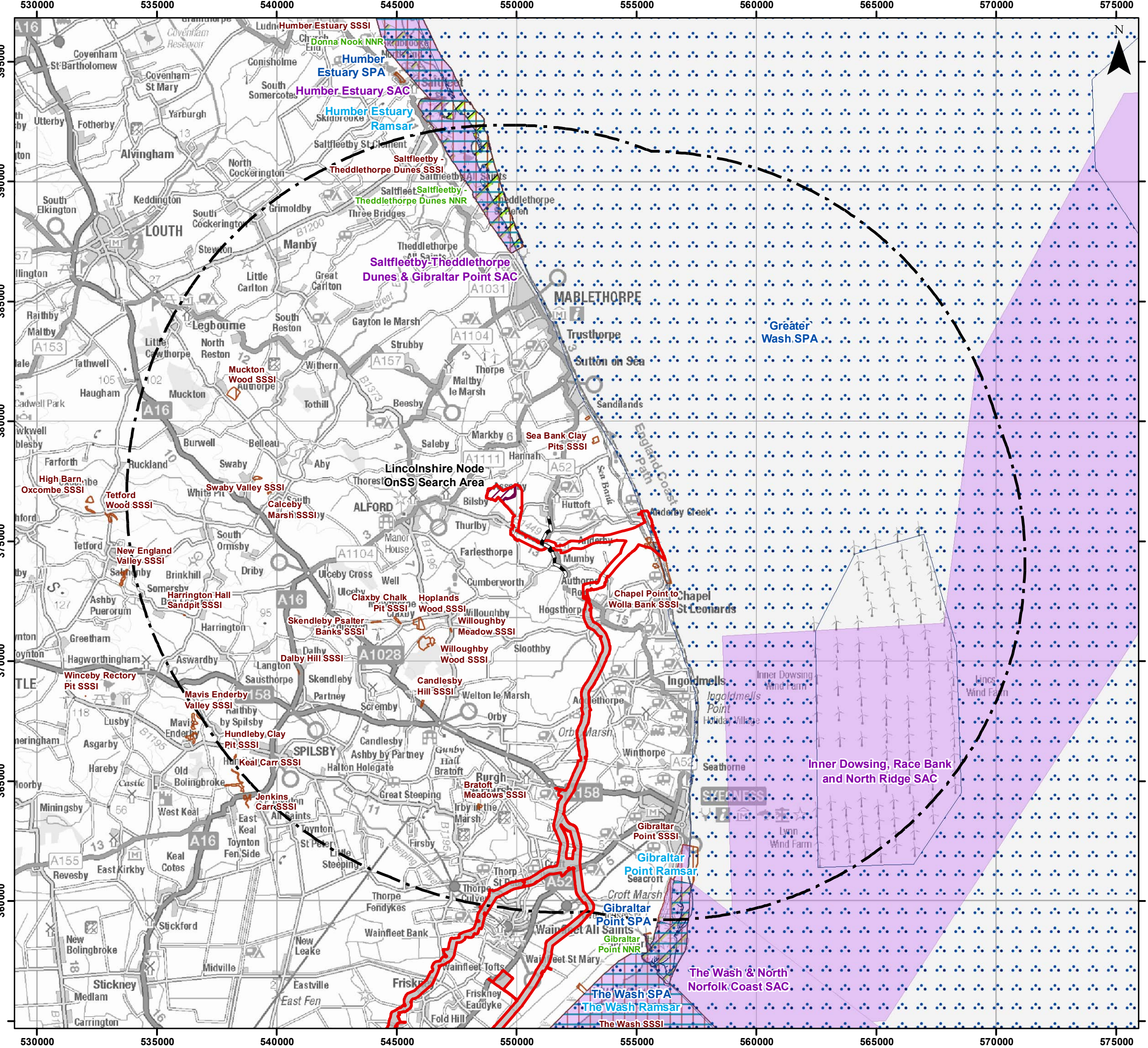


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### Legend

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search
- Onshore Segment Break
- PEIR Boundary Wolla Bank to Lincolnshire Node 15km Buffer
- Special Protection Area (SPA)
- Ramsar
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)

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 Figure 21.3.1



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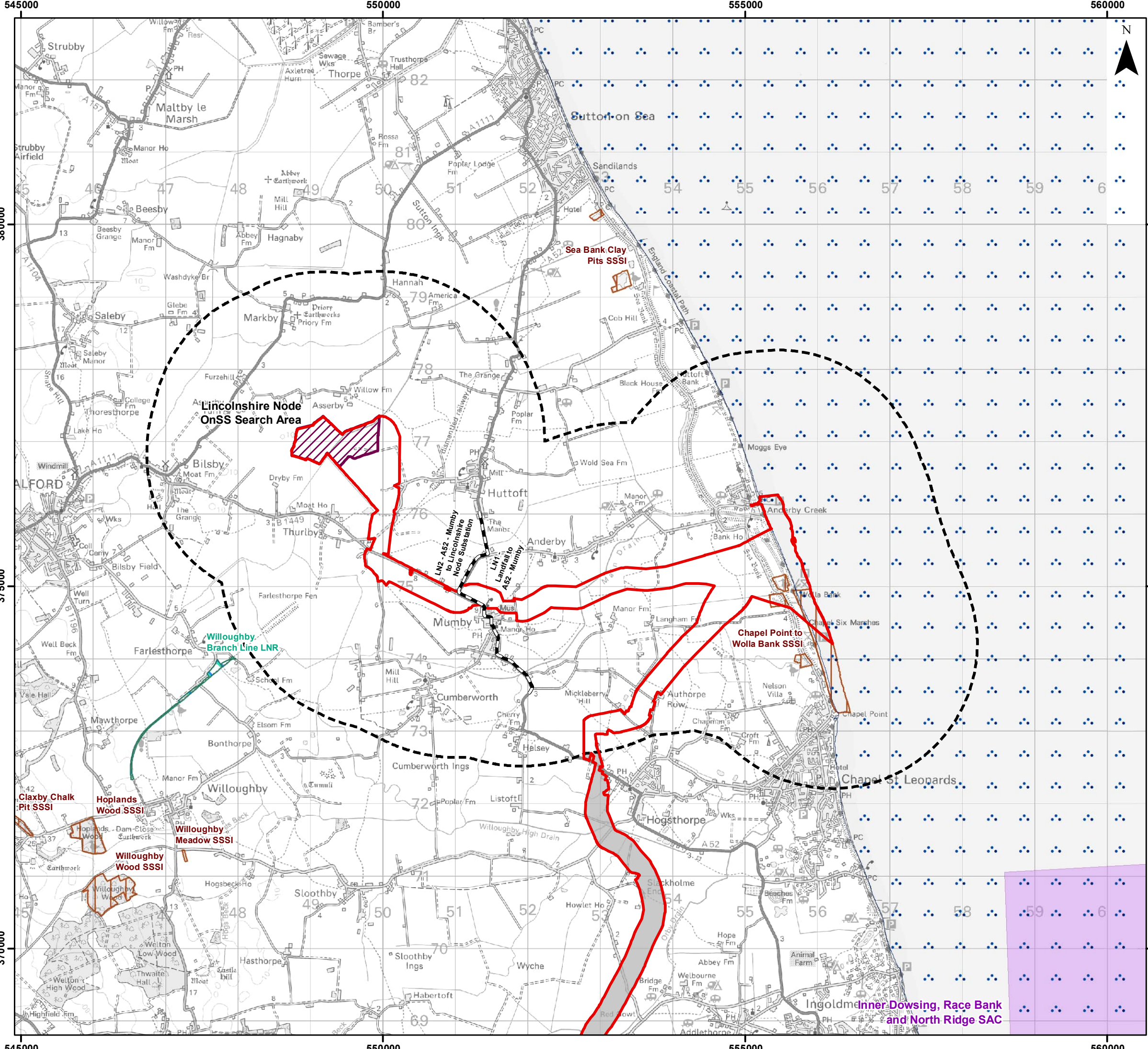


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- ### Legend
- Onshore PEIR Boundary
  - Lincolnshire Node OnSS Search
  - Onshore Segment Break
  - PEIR Boundary Wolla Bank to Lincolnshire Node 2km Buffer
  - Special Protection Area (SPA)
  - Site of Special Scientific Interest (SSSI)
  - Local Nature Reserve (LNR)
  - Special Area of Conservation (SAC)

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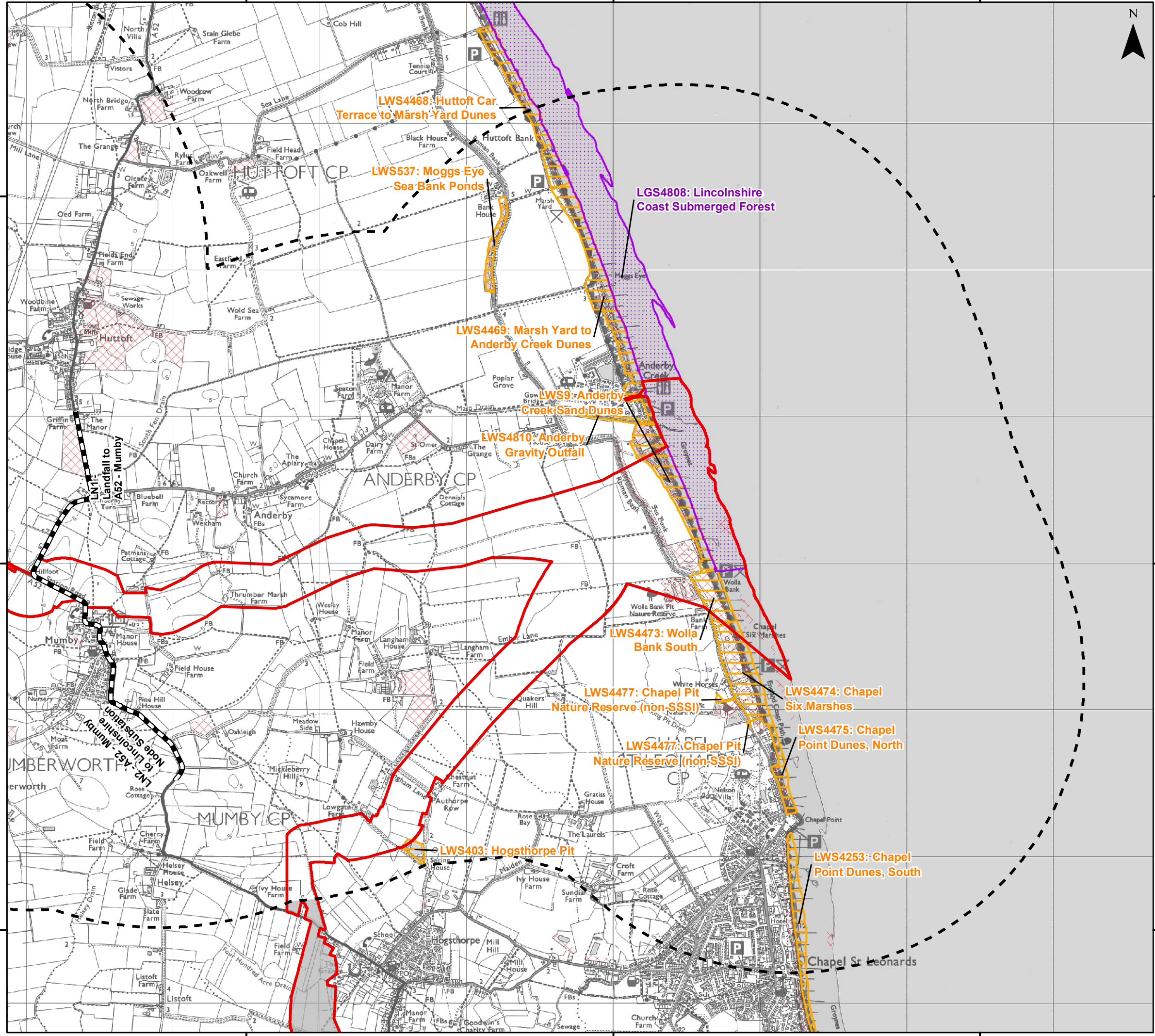
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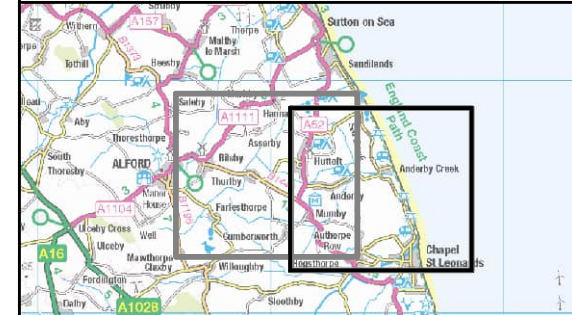
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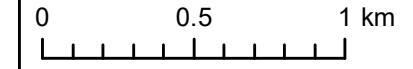
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
-  Local Geological Site
-  Local Wildlife Site
-  Priority Habitat

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Lincolnshire Node  
Locally Designated Sites and Priority Habitats

Figure 21.4.1



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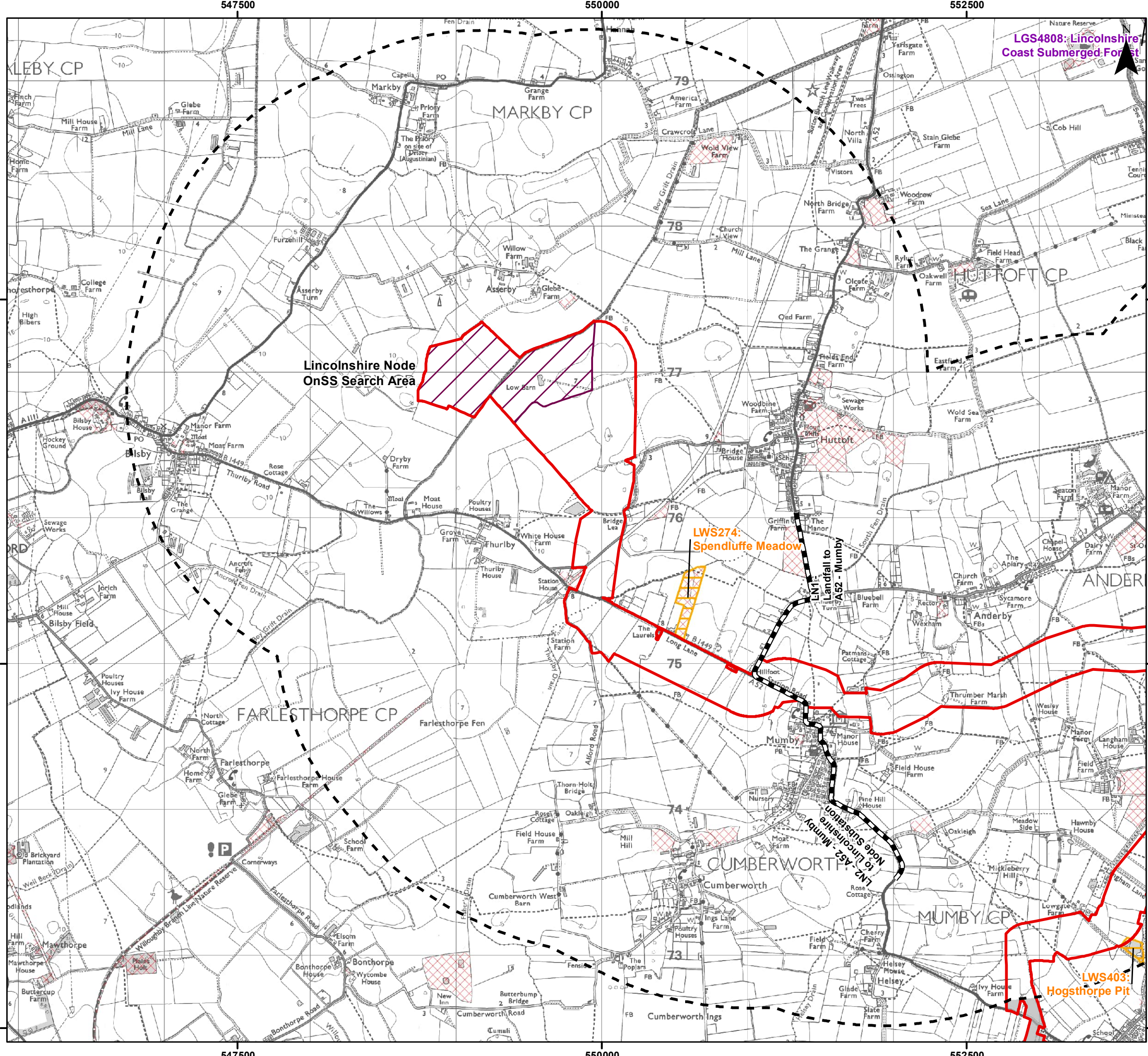
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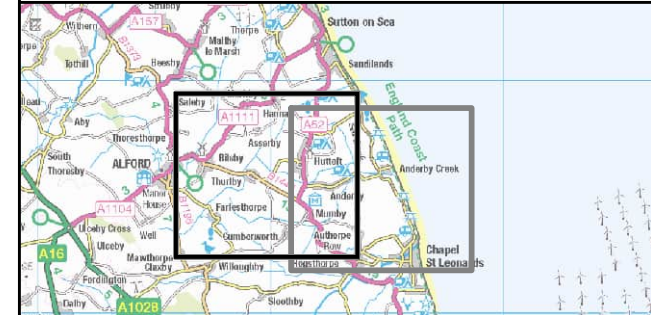
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### Legend

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search
- Onshore Segment Break
- Onshore PEIR Boundary 2 km Buffer
- Local Geological Site
- Local Wildlife Site
- Priority Habitat

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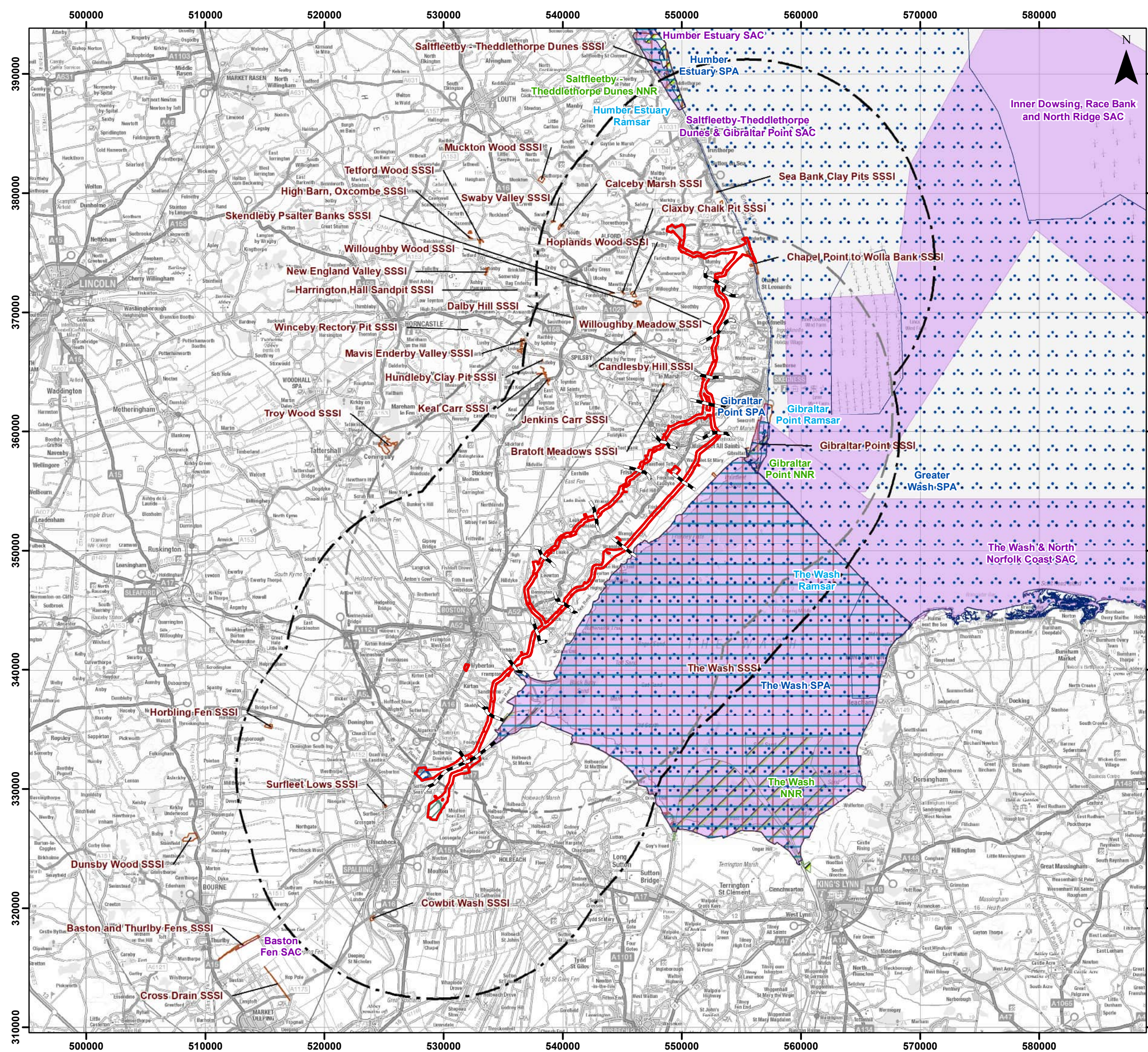
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- PEIR Boundary Weston Marsh (via South of the A52) 15km Buffer
- PEIR Boundary Weston Marsh (via North of the A52) 15km Buffer
- Special Protection Area (SPA)
- Ramsar
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)

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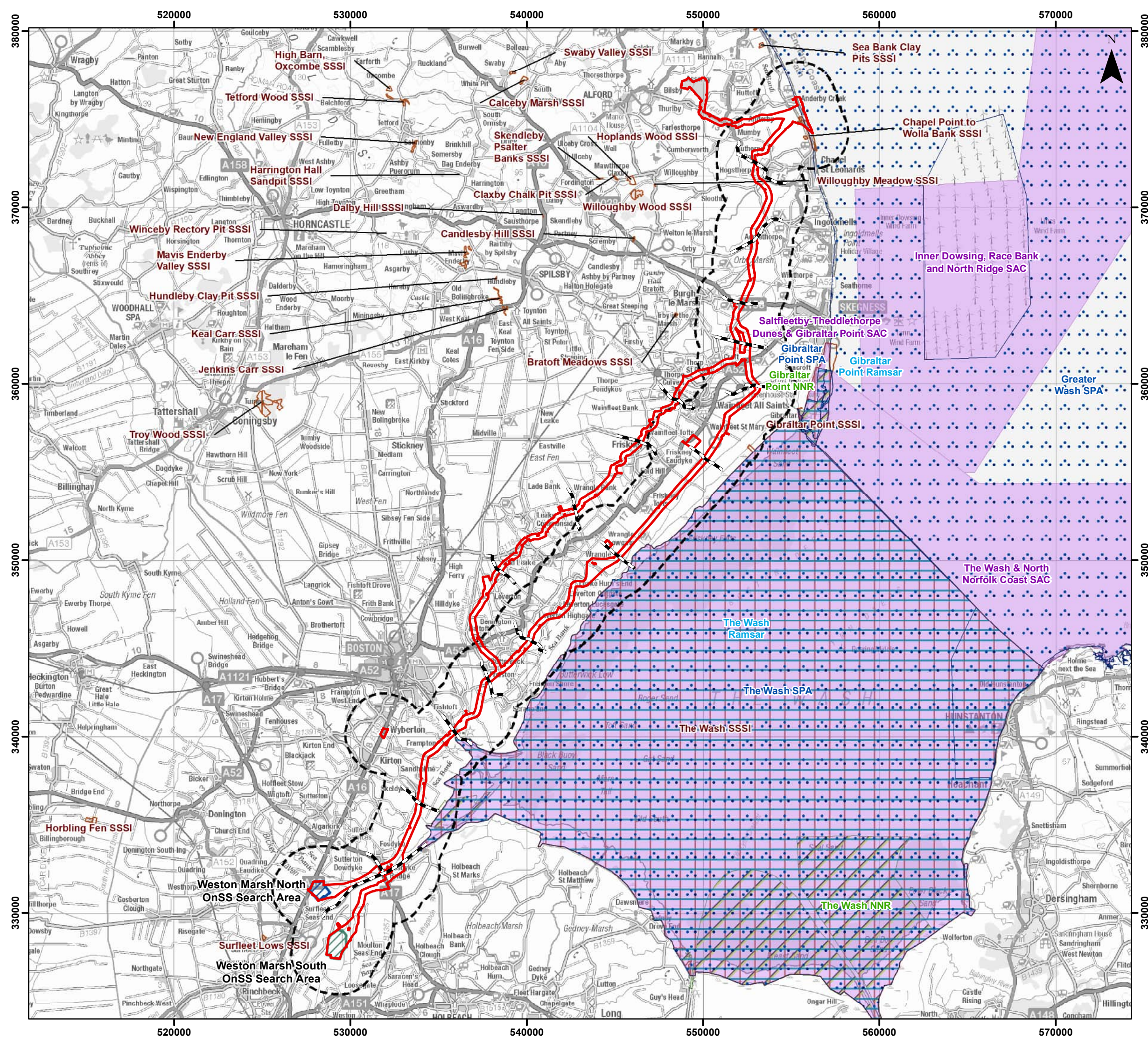
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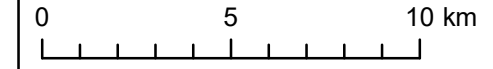
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- PEIR Boundary Weston Marsh (via South of the A52) 2km Buffer
- Special Protection Area (SPA)
- Ramsar
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)

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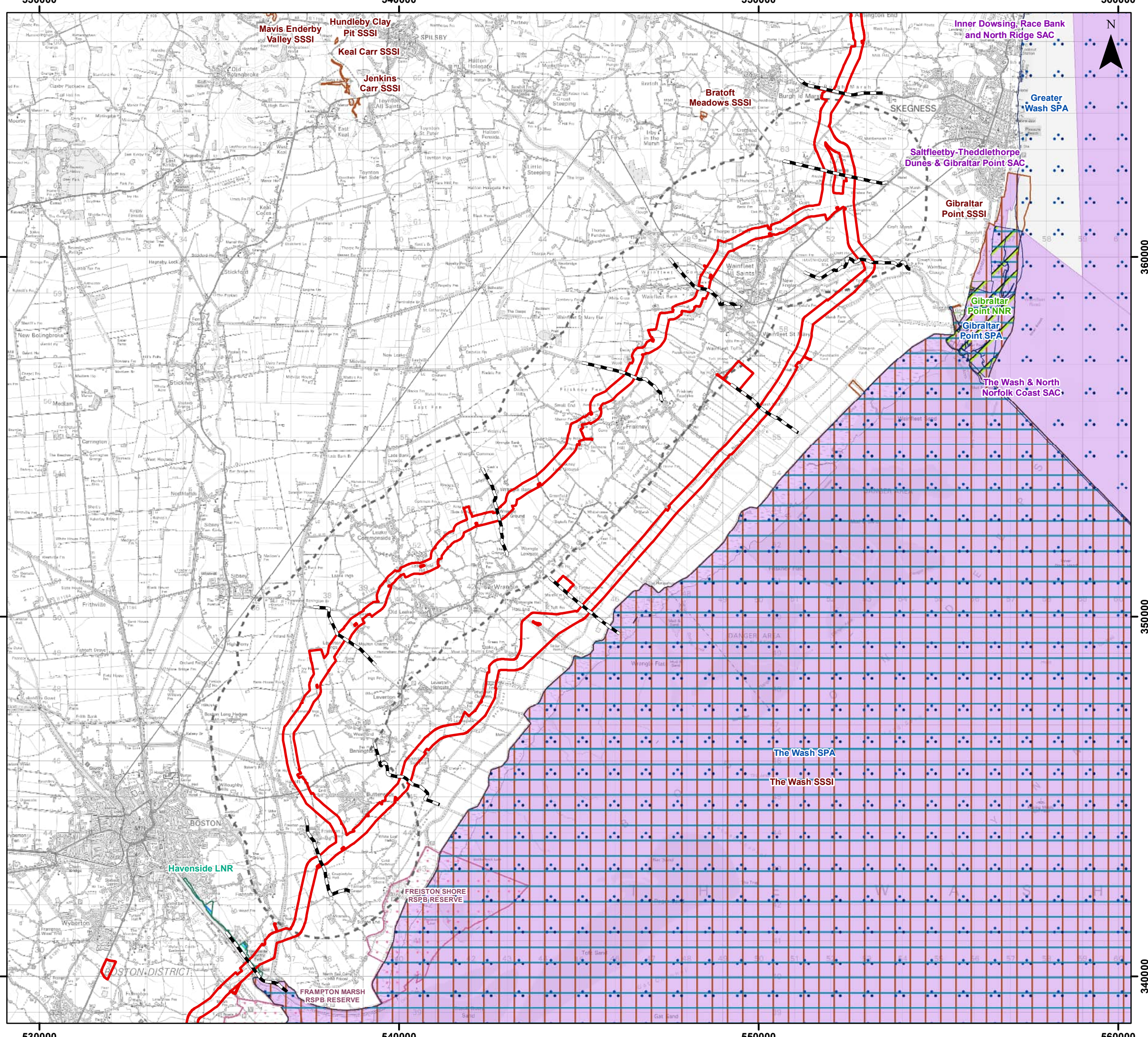


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- PEIR Boundary Weston Marsh (via North of the A52) 2km Buffer
- Special Protection Area (SPA)
- Ramsar
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- RSPB Reserve
- Special Area of Conservation (SAC)

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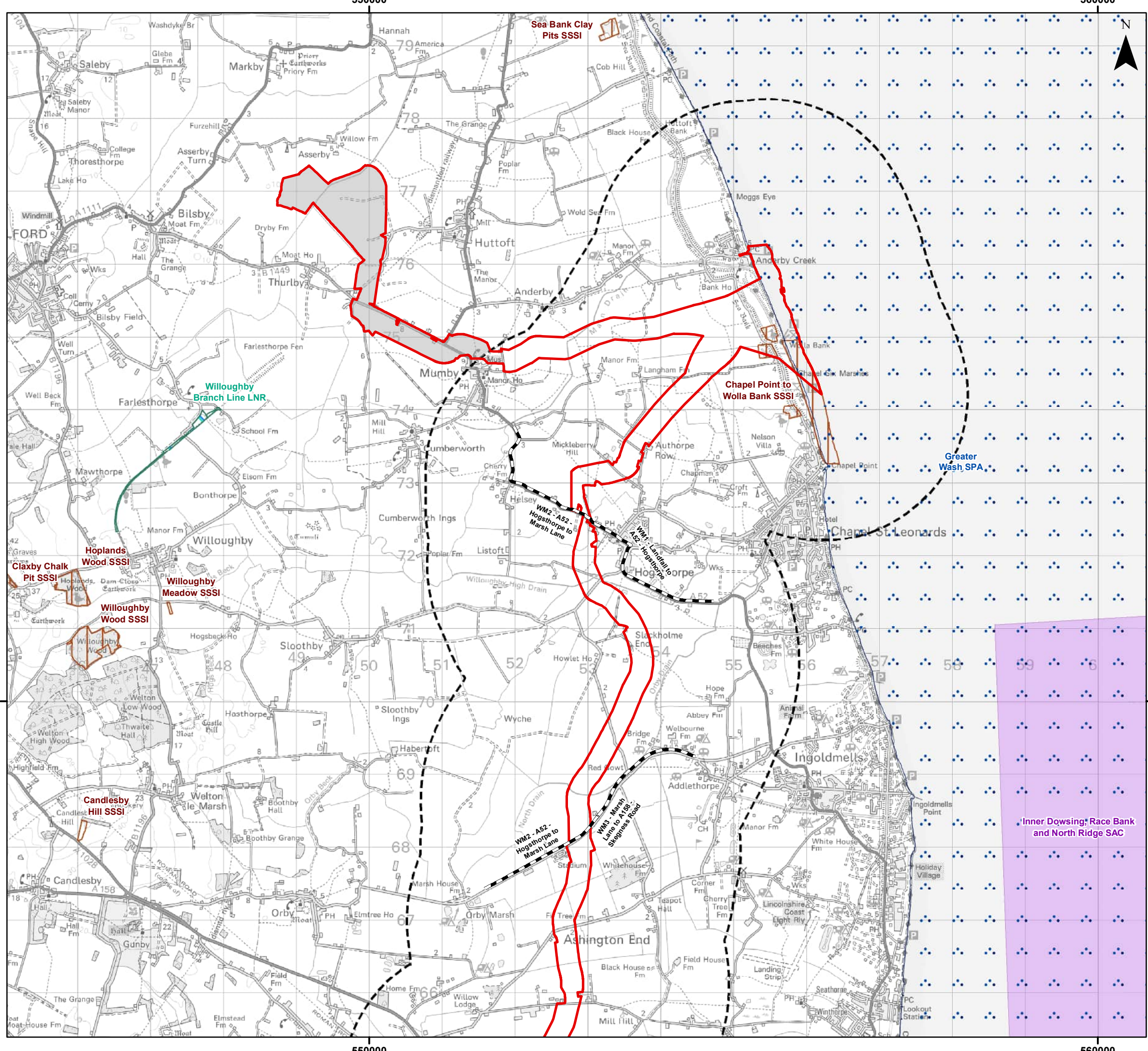
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- PEIR Boundary Weston Marsh (via South of the A52) 2km Buffer
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- Special Area of Conservation (SAC)

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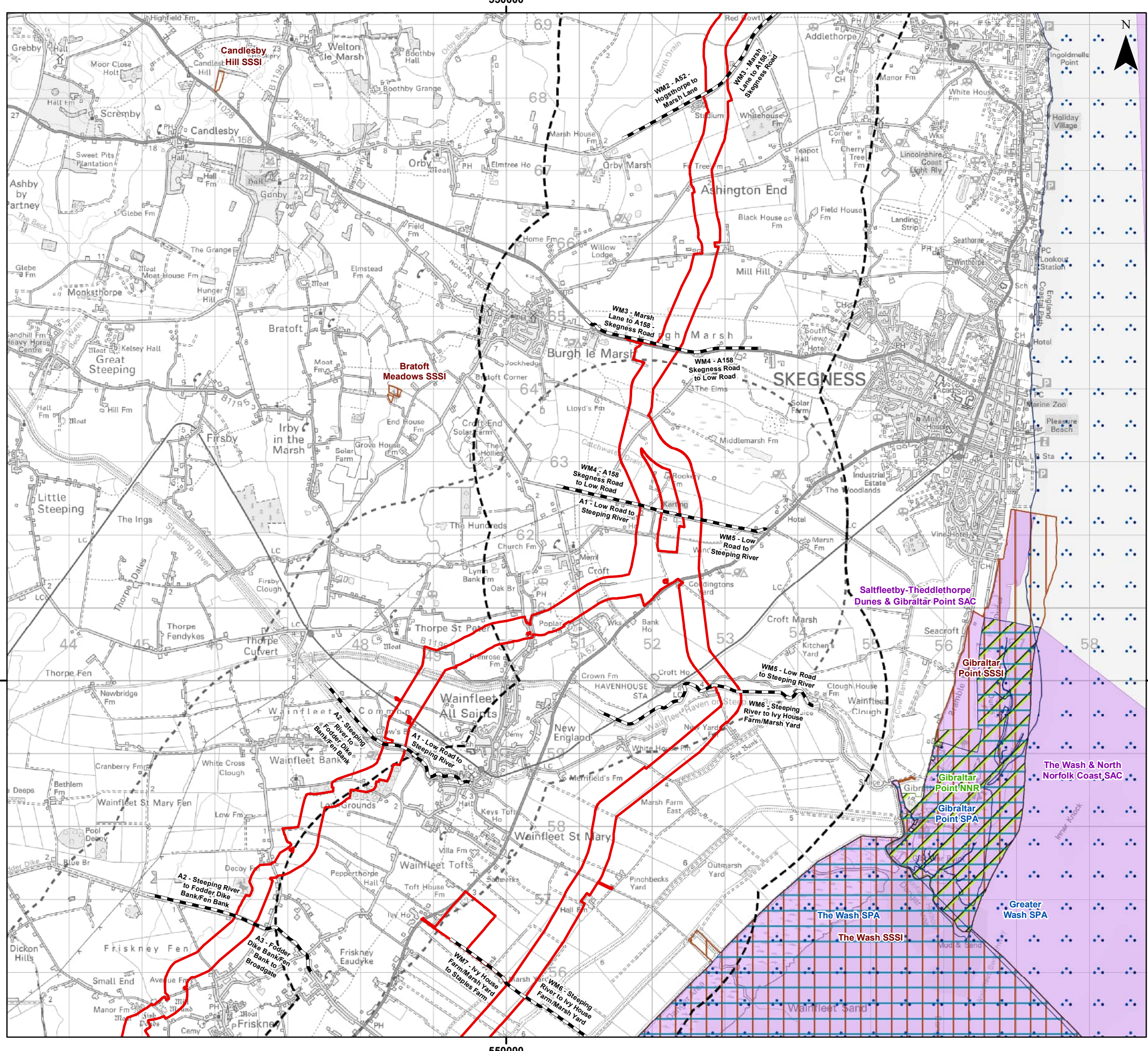


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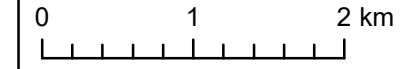


- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - PEIR Boundary Weston Marsh (via South of the A52) 2km Buffer
  - PEIR Boundary Weston Marsh (via North of the A52) 2km Buffer
  - Special Protection Area (SPA)
  - Ramsar
  - Site of Special Scientific Interest (SSSI)
  - Special Area of Conservation (SAC)

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Figure 21.5.5



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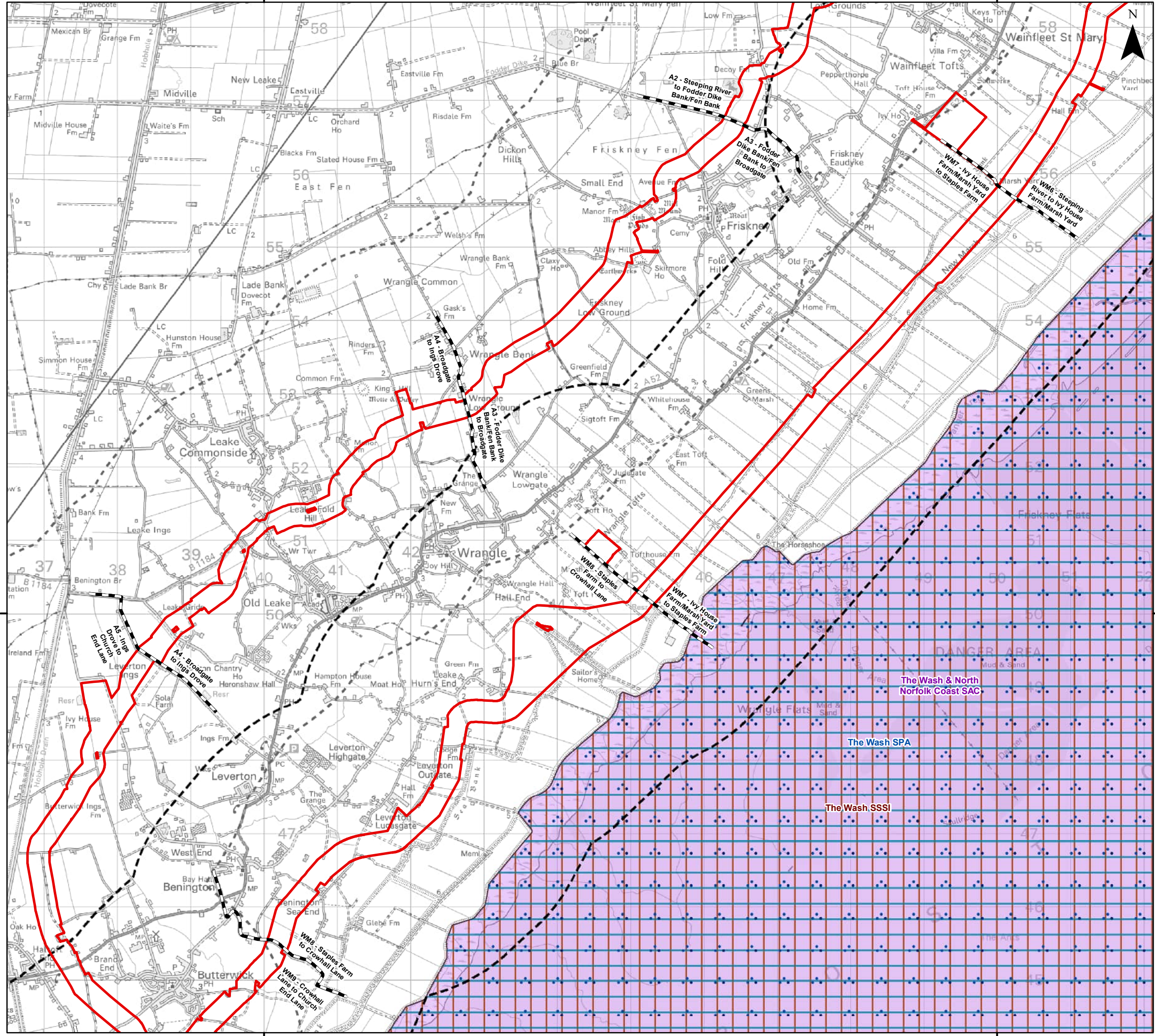


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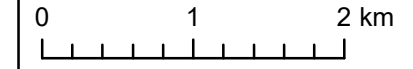
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- Onshore PEIR Boundary
- Onshore Segment Break
- PEIR Boundary Westons Marsh (via South of the A52) 2km Buffer
- PEIR Boundary Westons Marsh (via North of the A52) 2km Buffer
- Special Protection Area (SPA)
- Ramsar
- Site of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)

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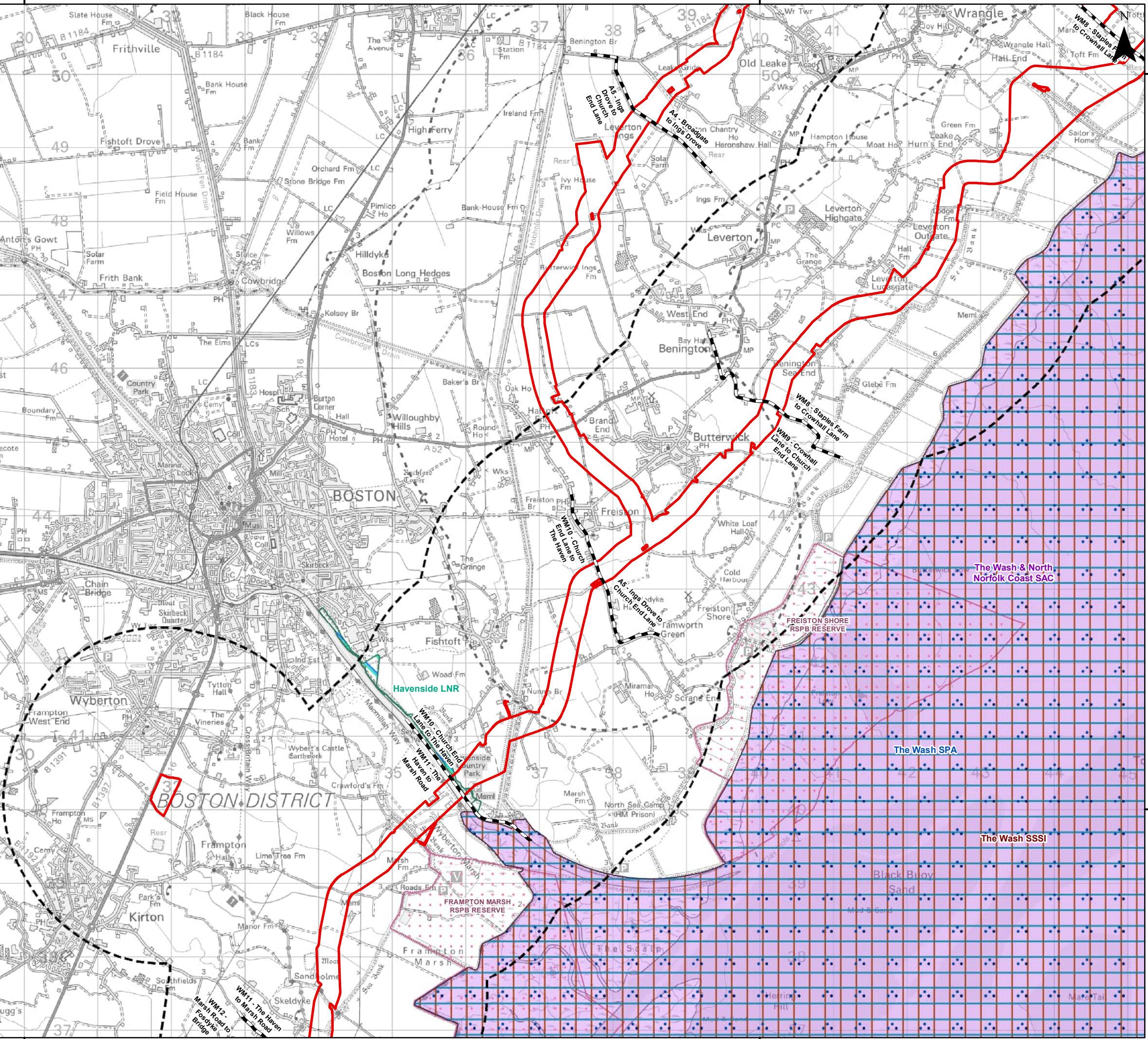
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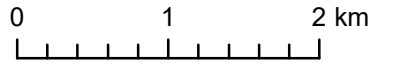
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- PEIR Boundary West of the A52 2km Buffer
- PEIR Boundary West of the A52 2km Buffer
- Special Protection Area (SPA)
- Ramsar
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- RSPB Reserve
- Special Area of Conservation (SAC)

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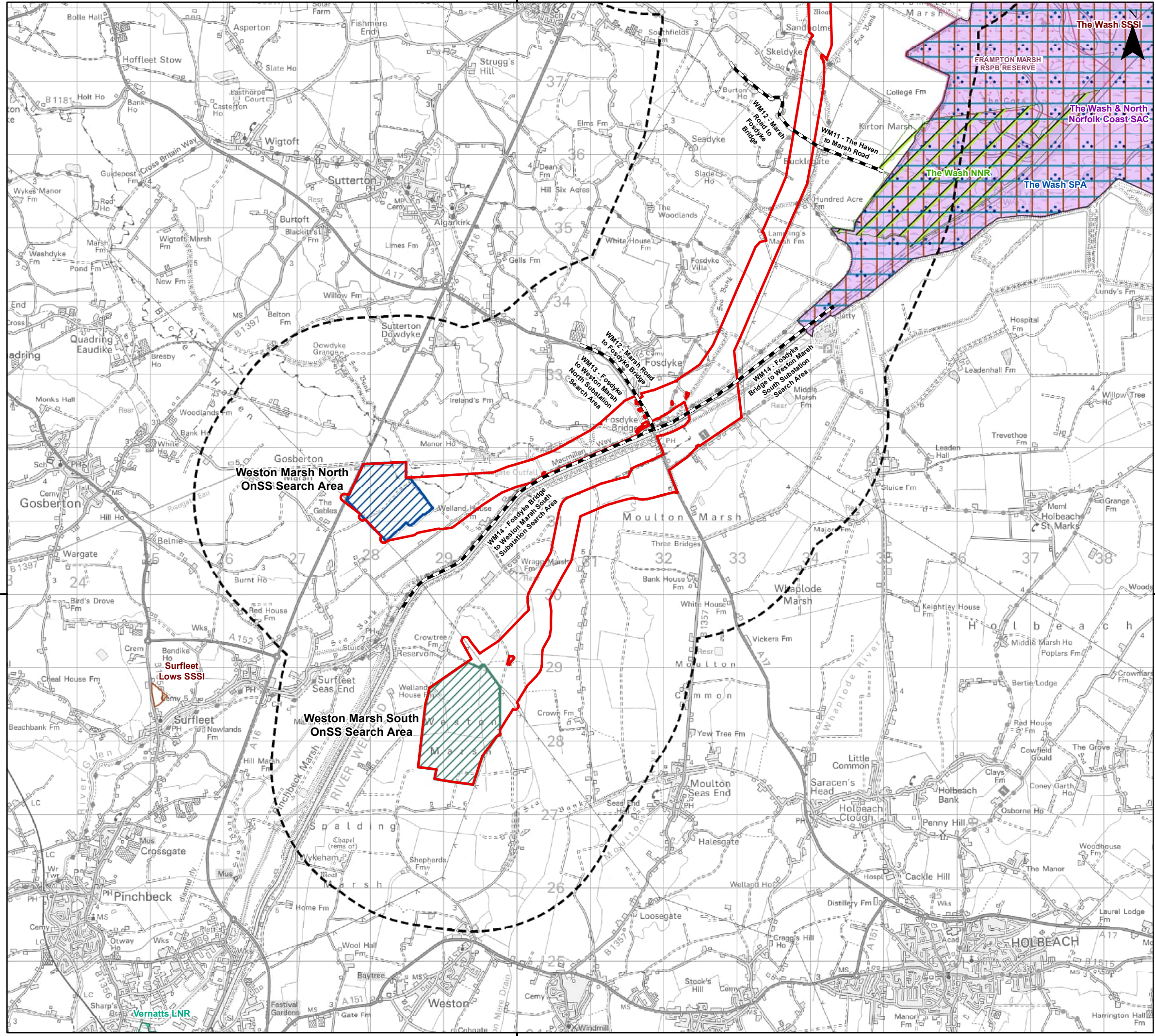


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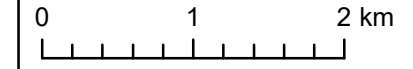
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- PEIR Boundary Weston Marsh (via South of the A52) 2km Buffer
- Special Protection Area (SPA)
- Ramsar
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)
- RSPB Reserve
- Special Area of Conservation (SAC)

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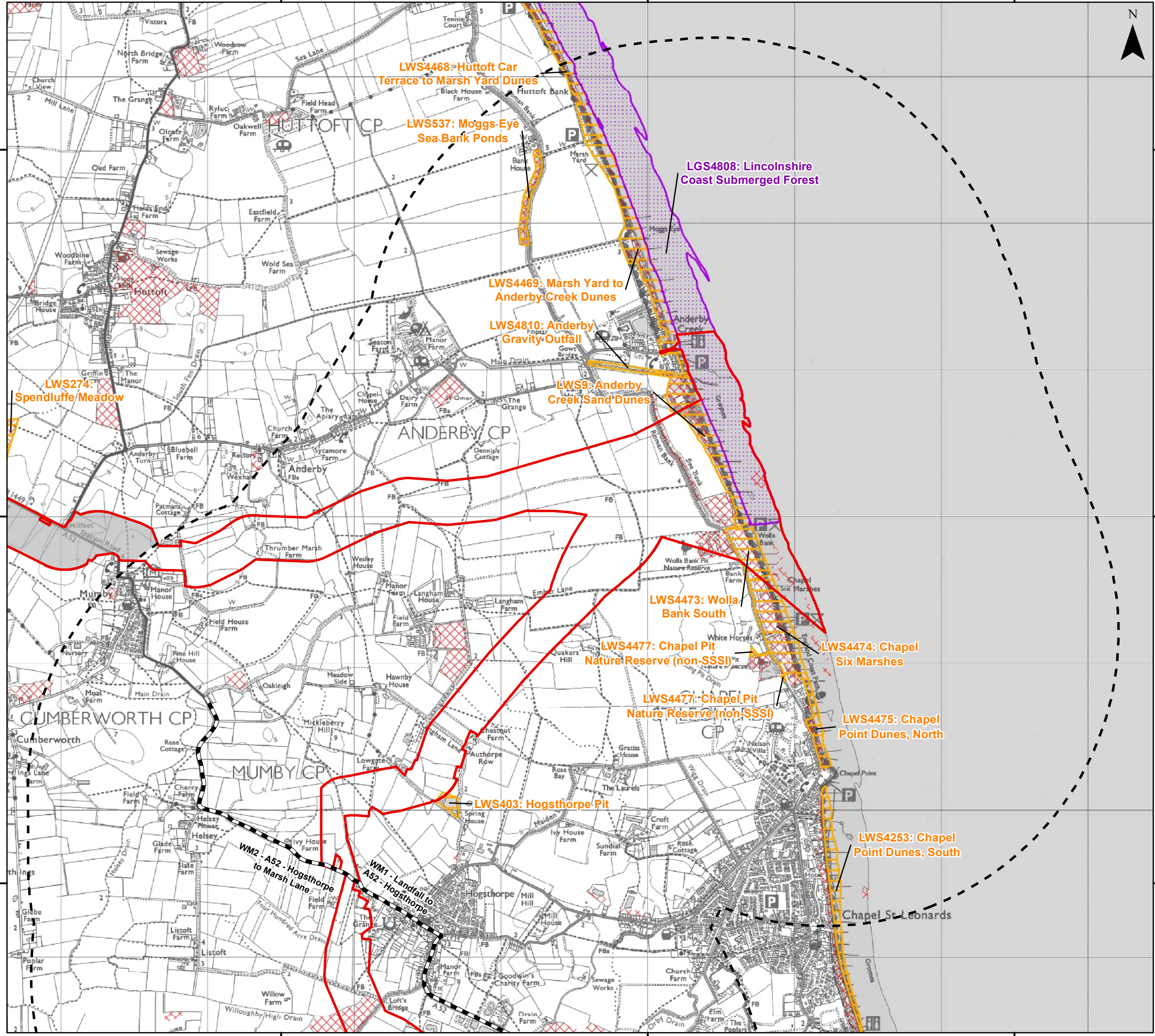


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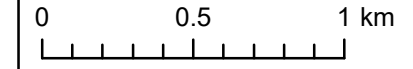
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
-  Local Geological Site
-  Local Wildlife Site
-  Priority Habitat

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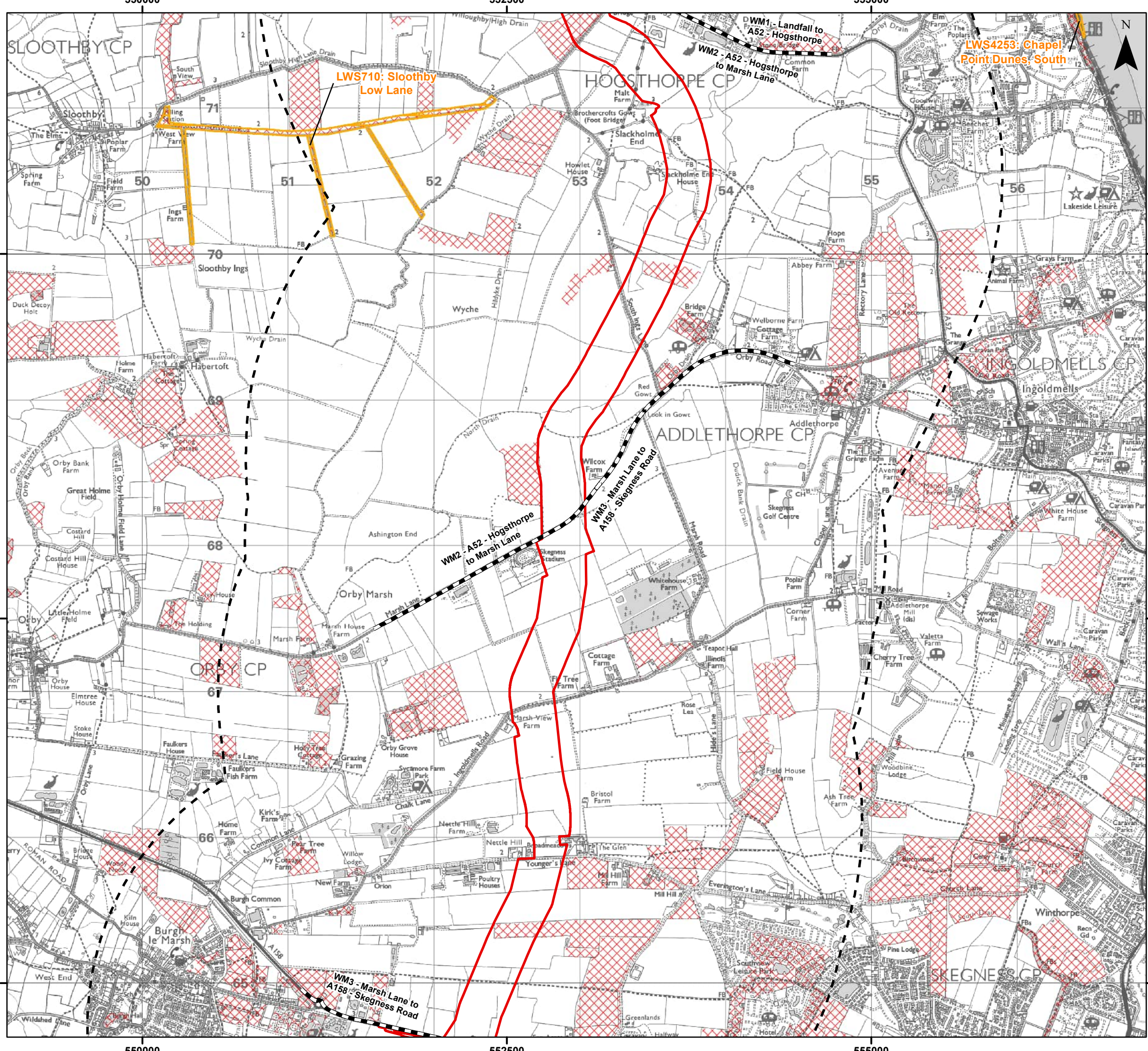
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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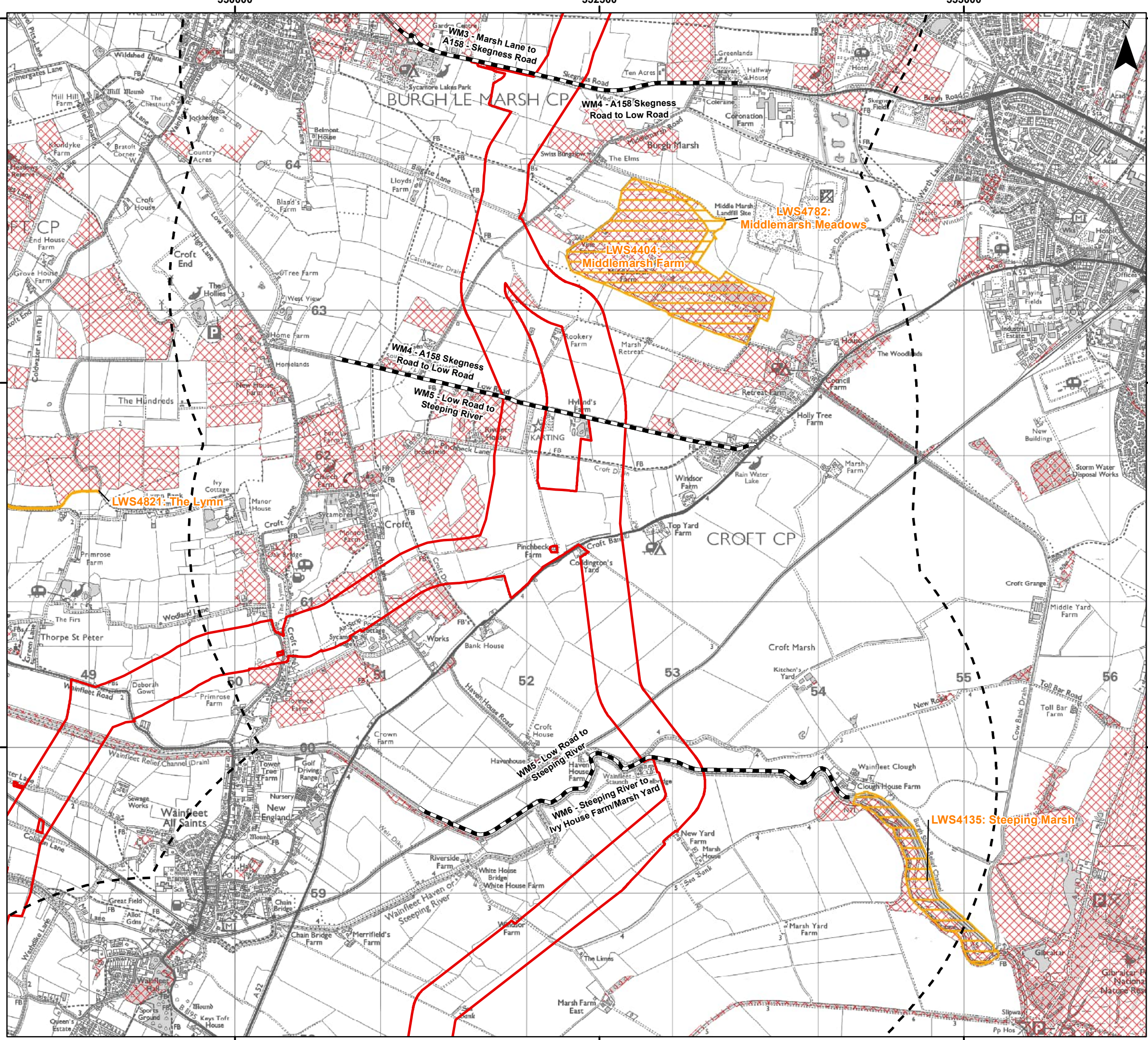
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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Coordinate System: British National Grid  
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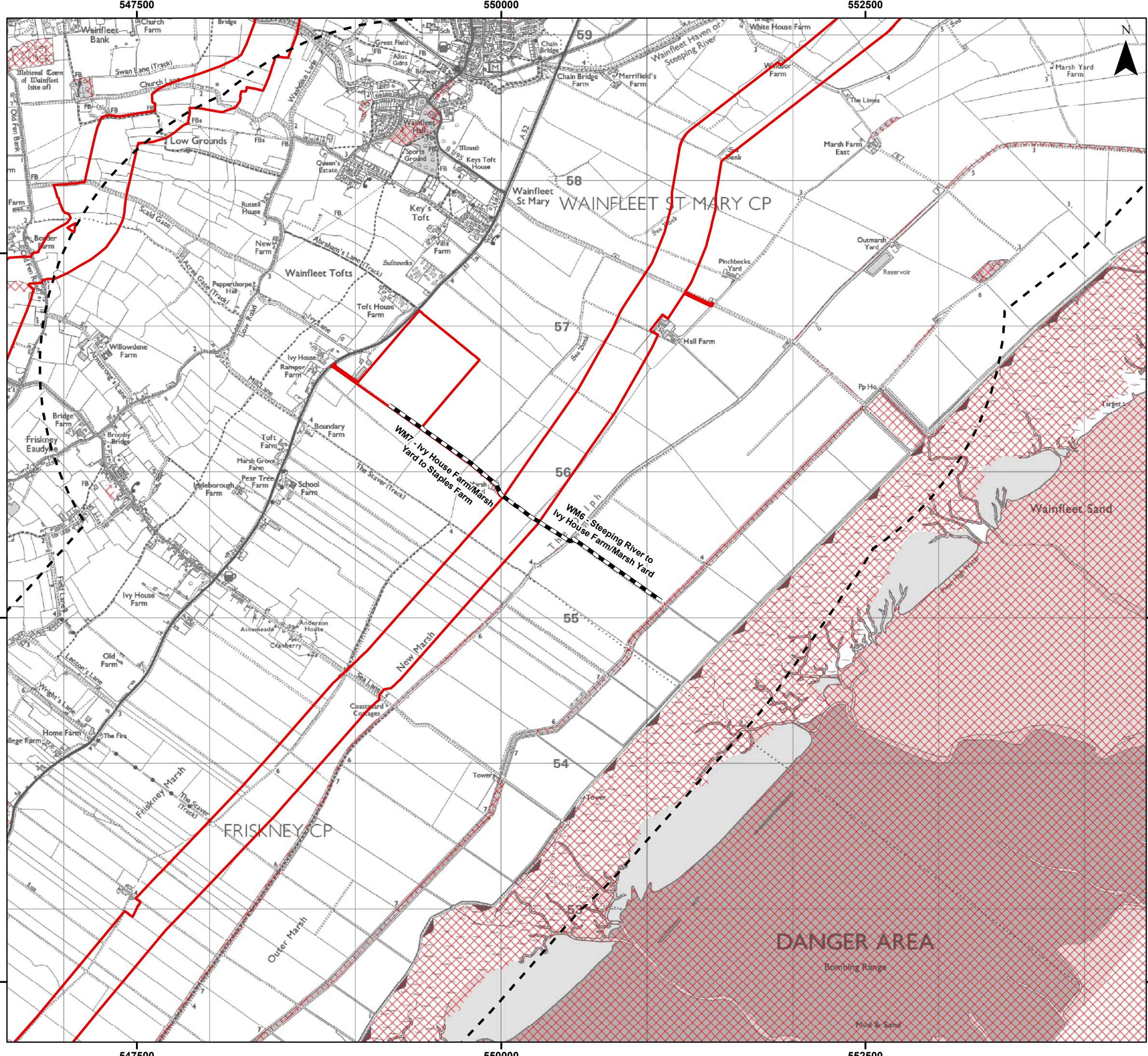
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 Weston Marsh  
 Locally Designated Sites and Priority Habitats

Figure 21.6.3



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Priority Habitat

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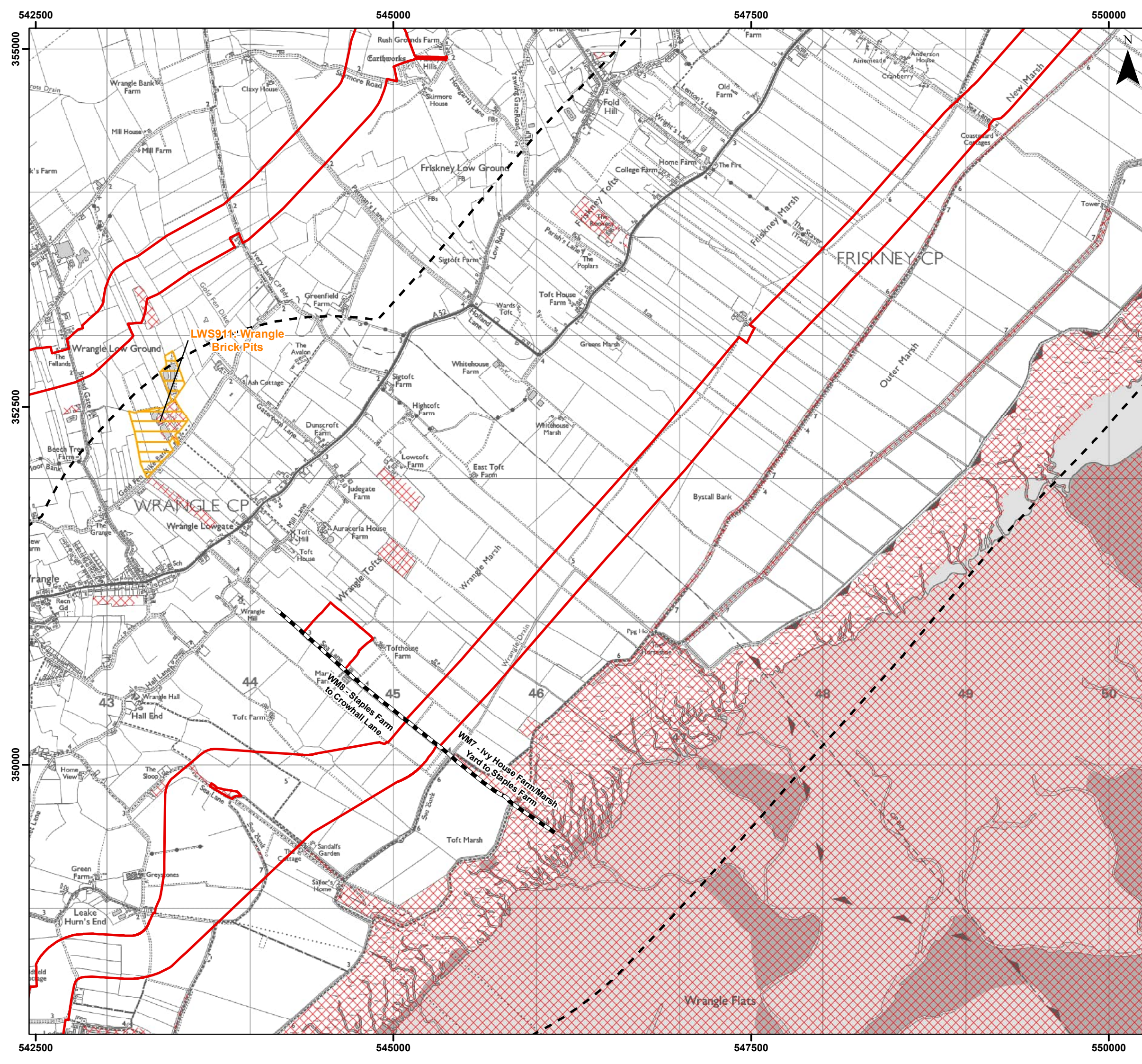




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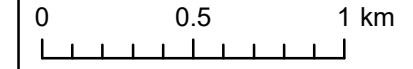
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Locally Designated Sites and Priority Habitats

Figure 21.6.5

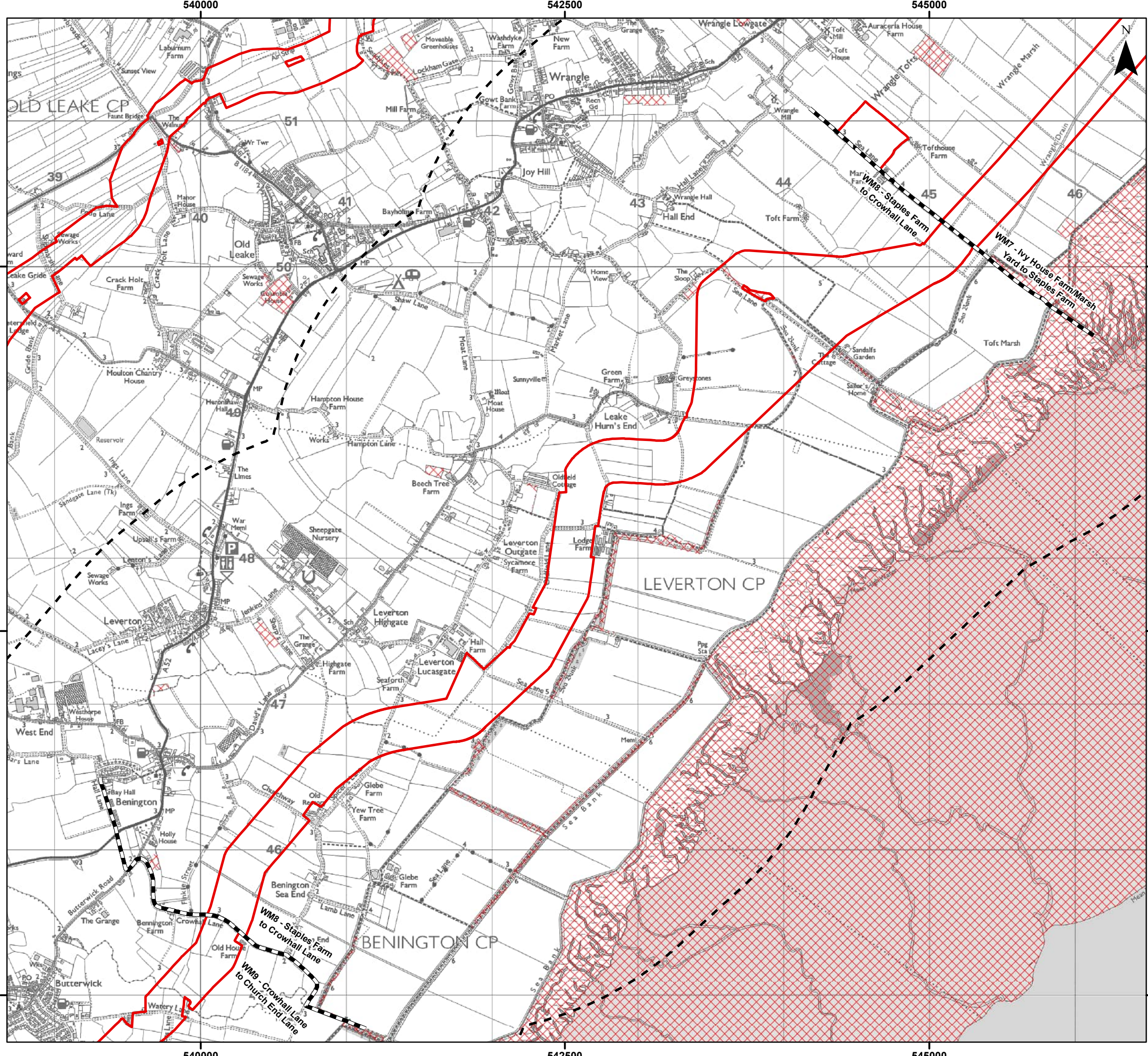


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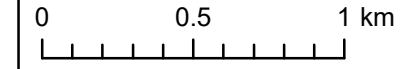
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.6

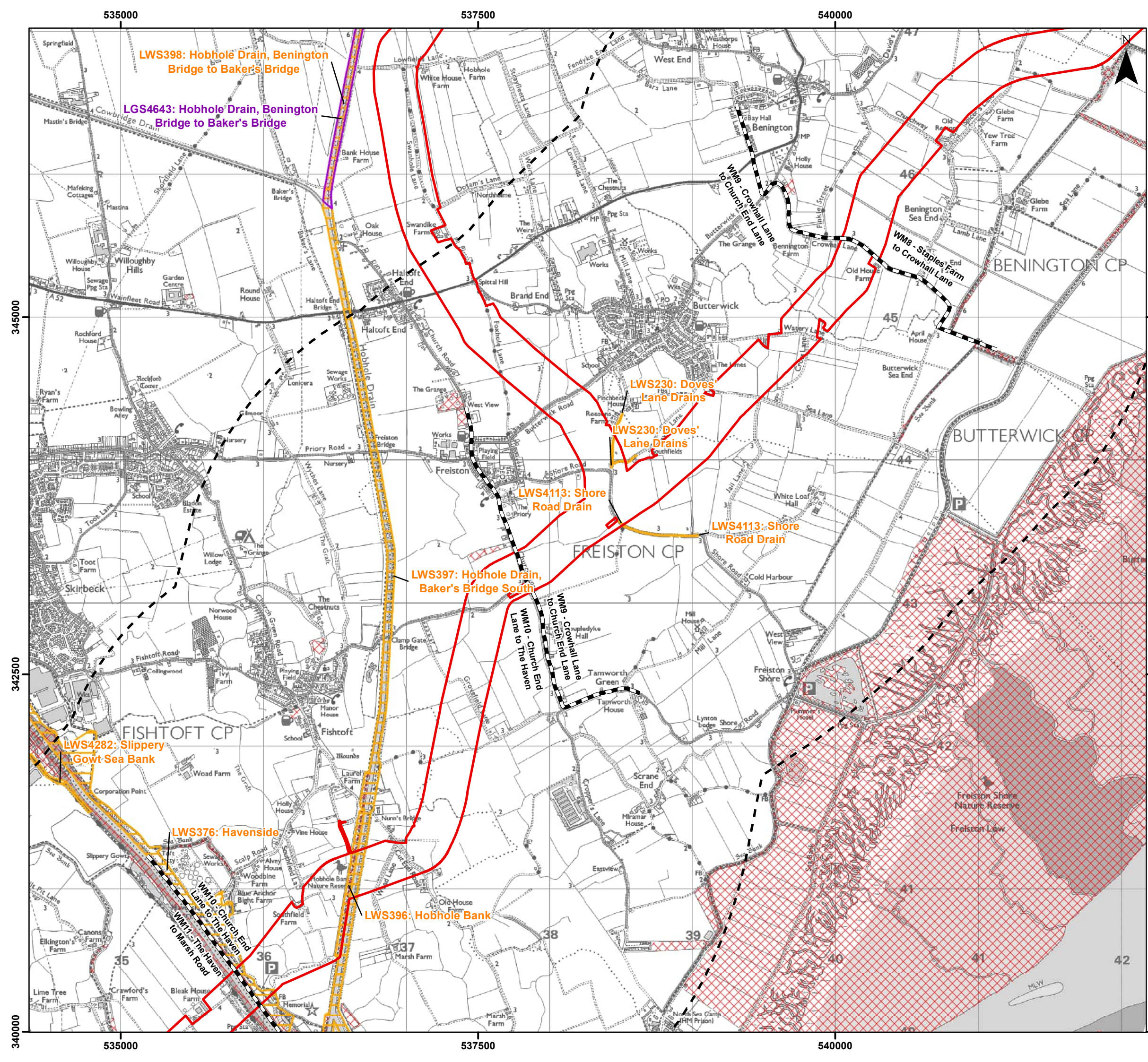


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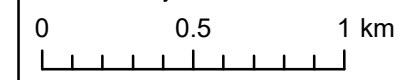
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Geological Site
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats

Figure 21.6.7

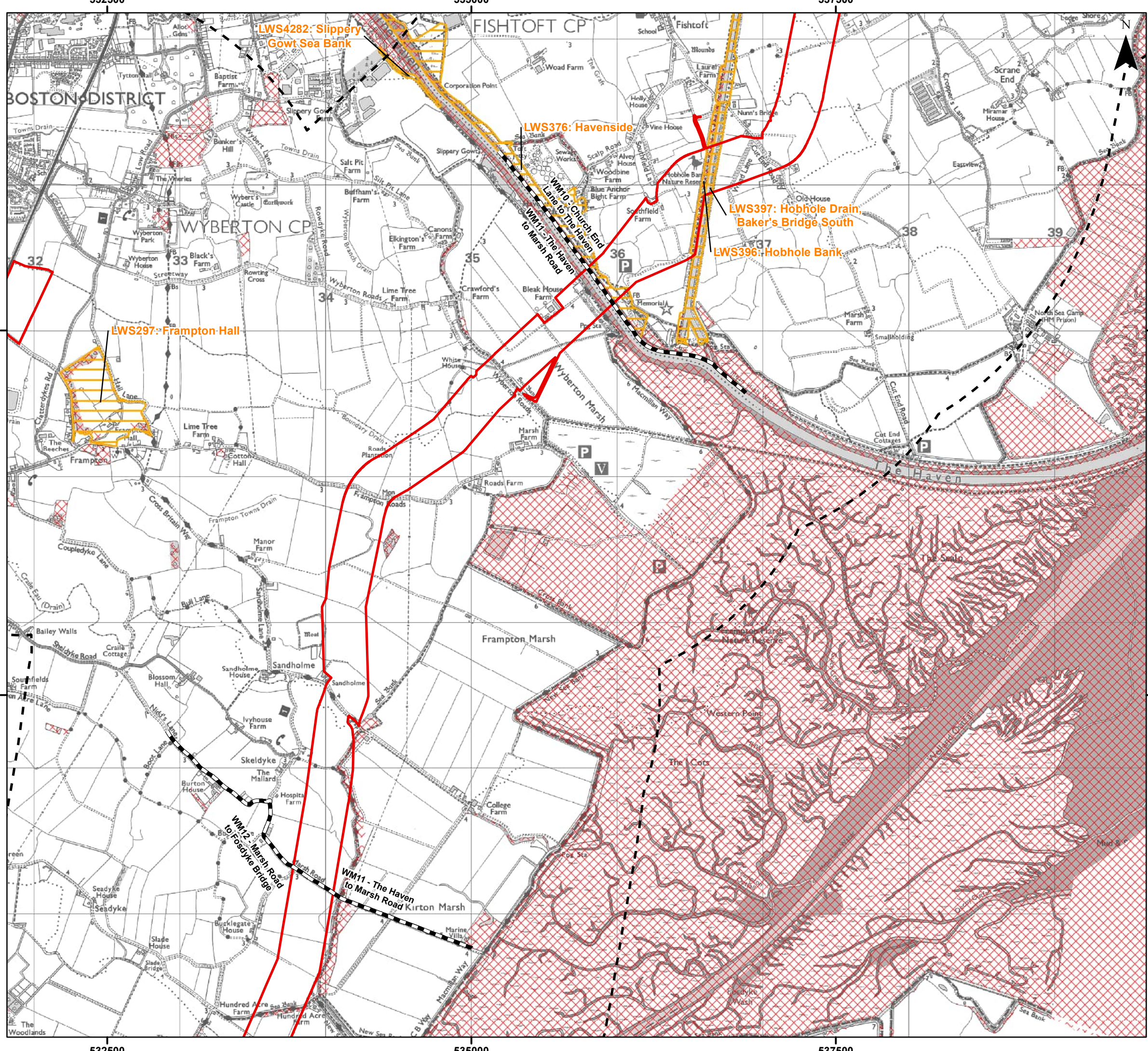


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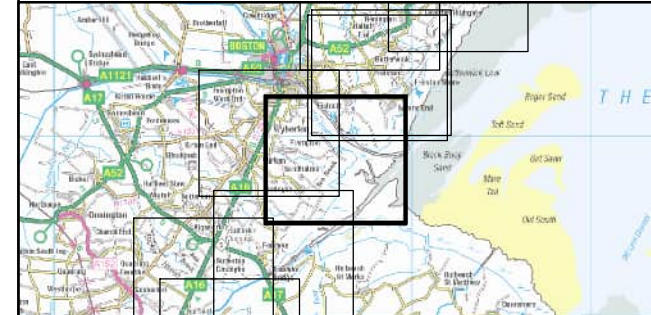
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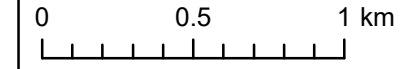
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
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Figure 21.6.8



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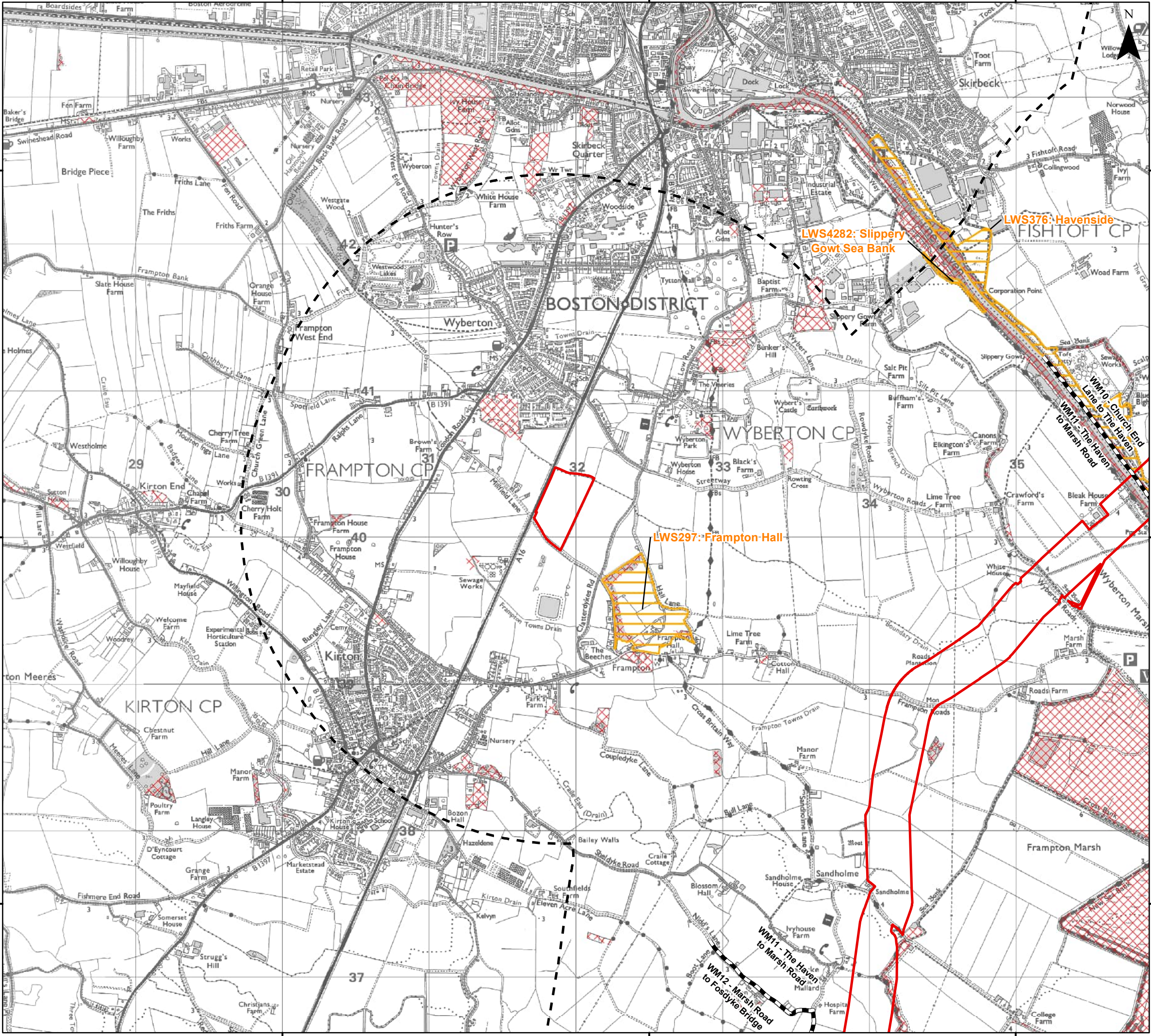
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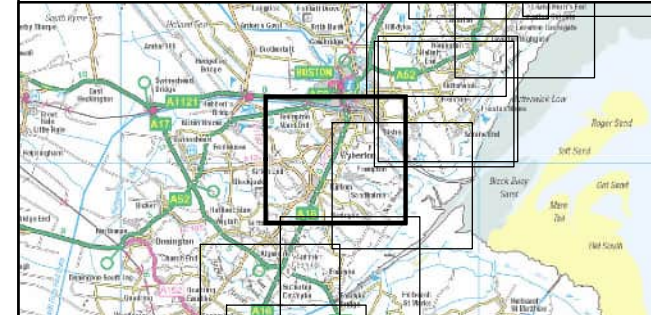
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### Legend

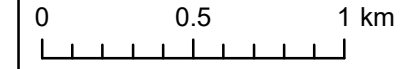
- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat



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Preliminary Environmental Information Report  
 Weston Marsh  
 Locally Designated Sites and Priority Habitats

Figure 21.6.9



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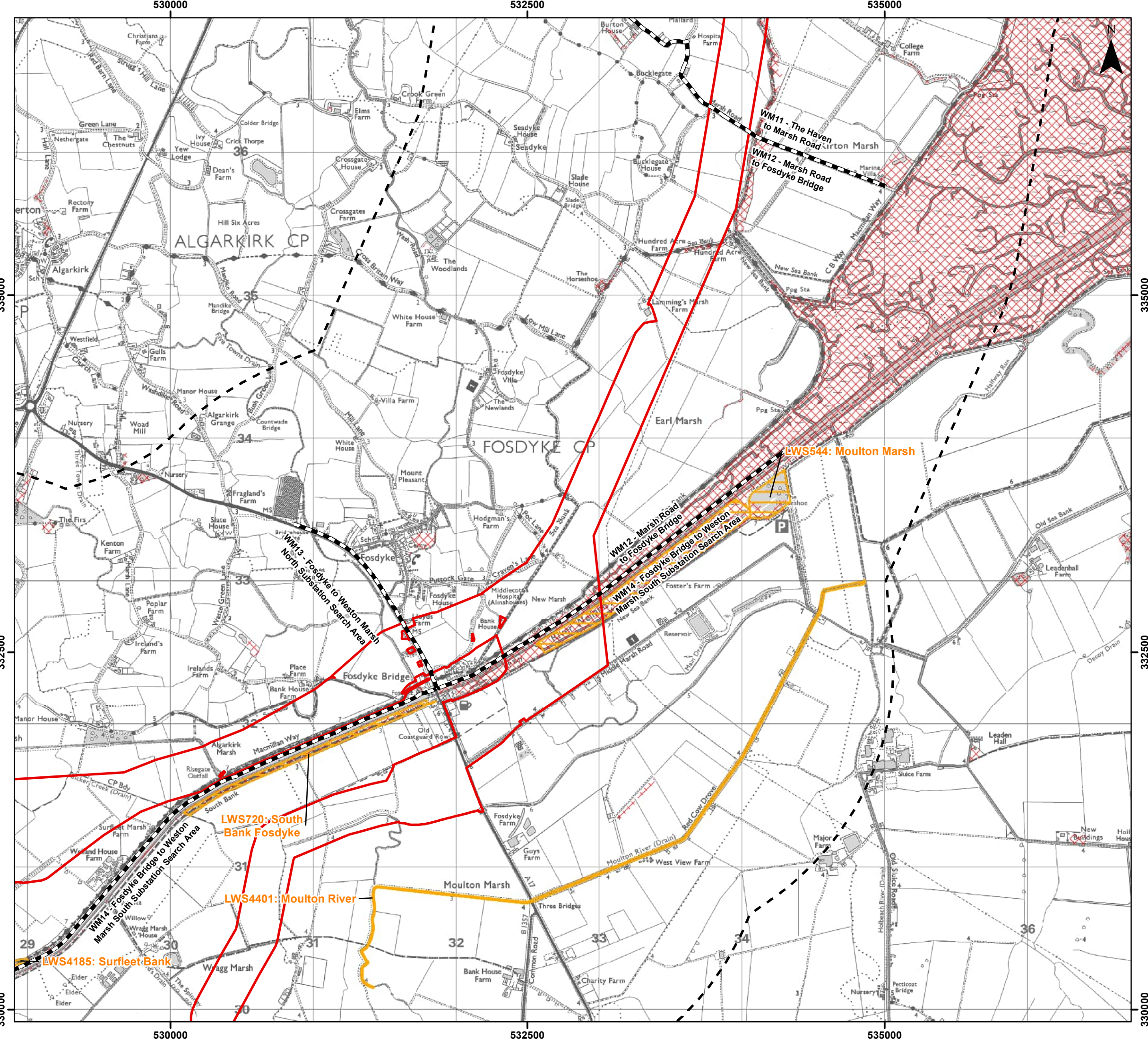
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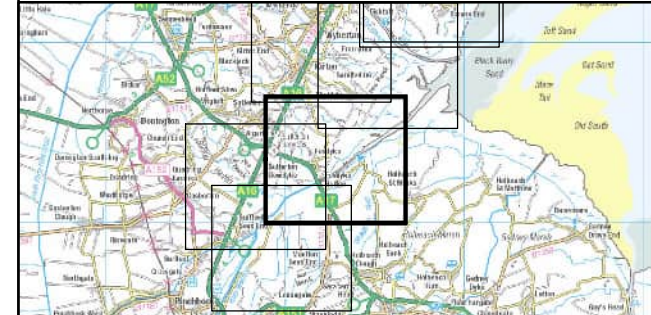
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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Preliminary Environmental Information Report  
 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.10

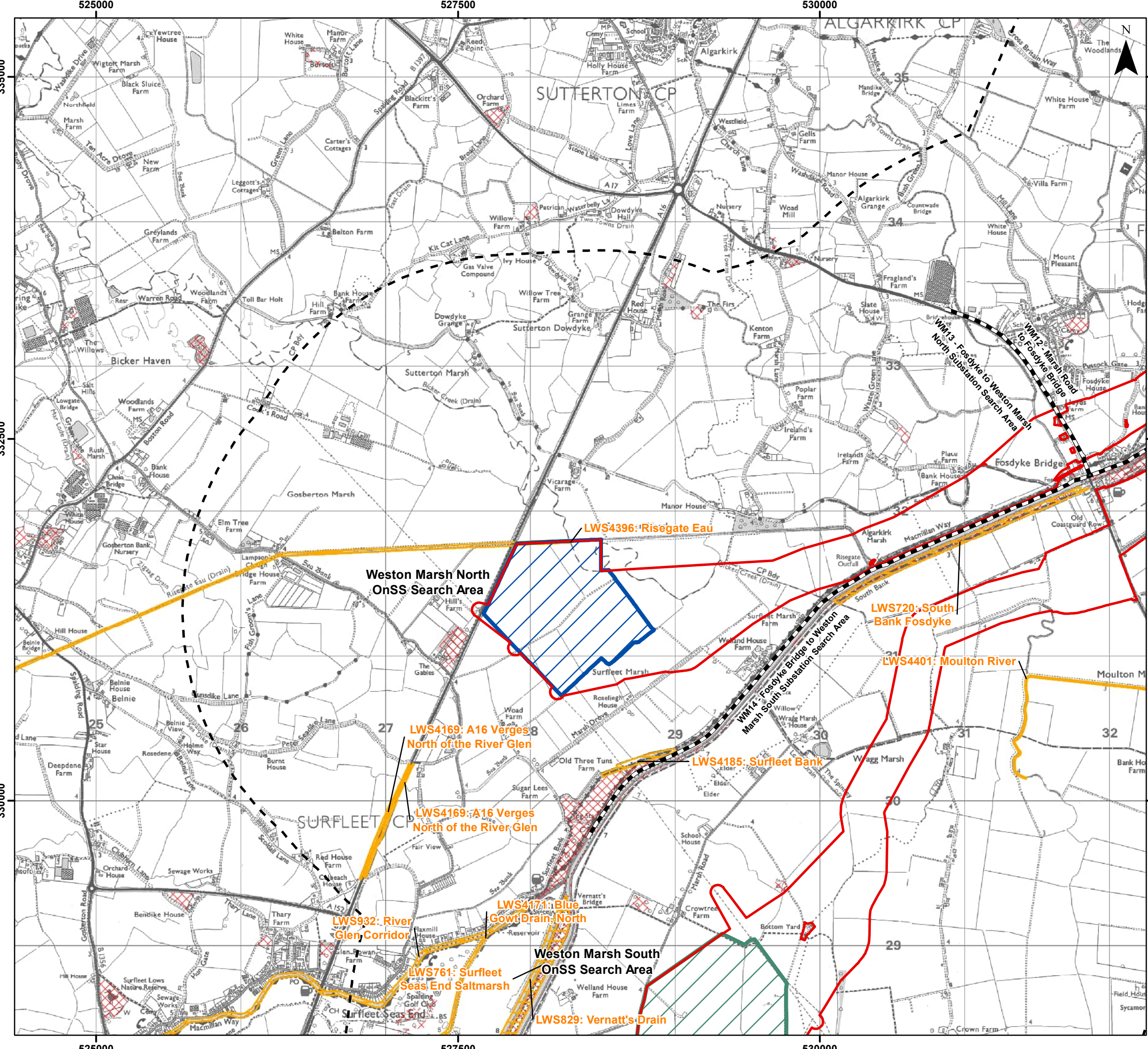


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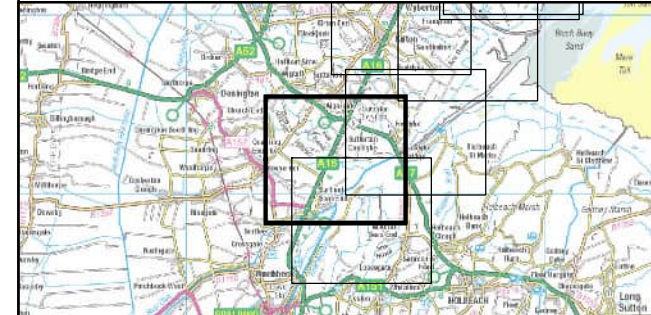
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- ### Legend
- Onshore PEIR Boundary
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
  - Local Wildlife Site
  - Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.11



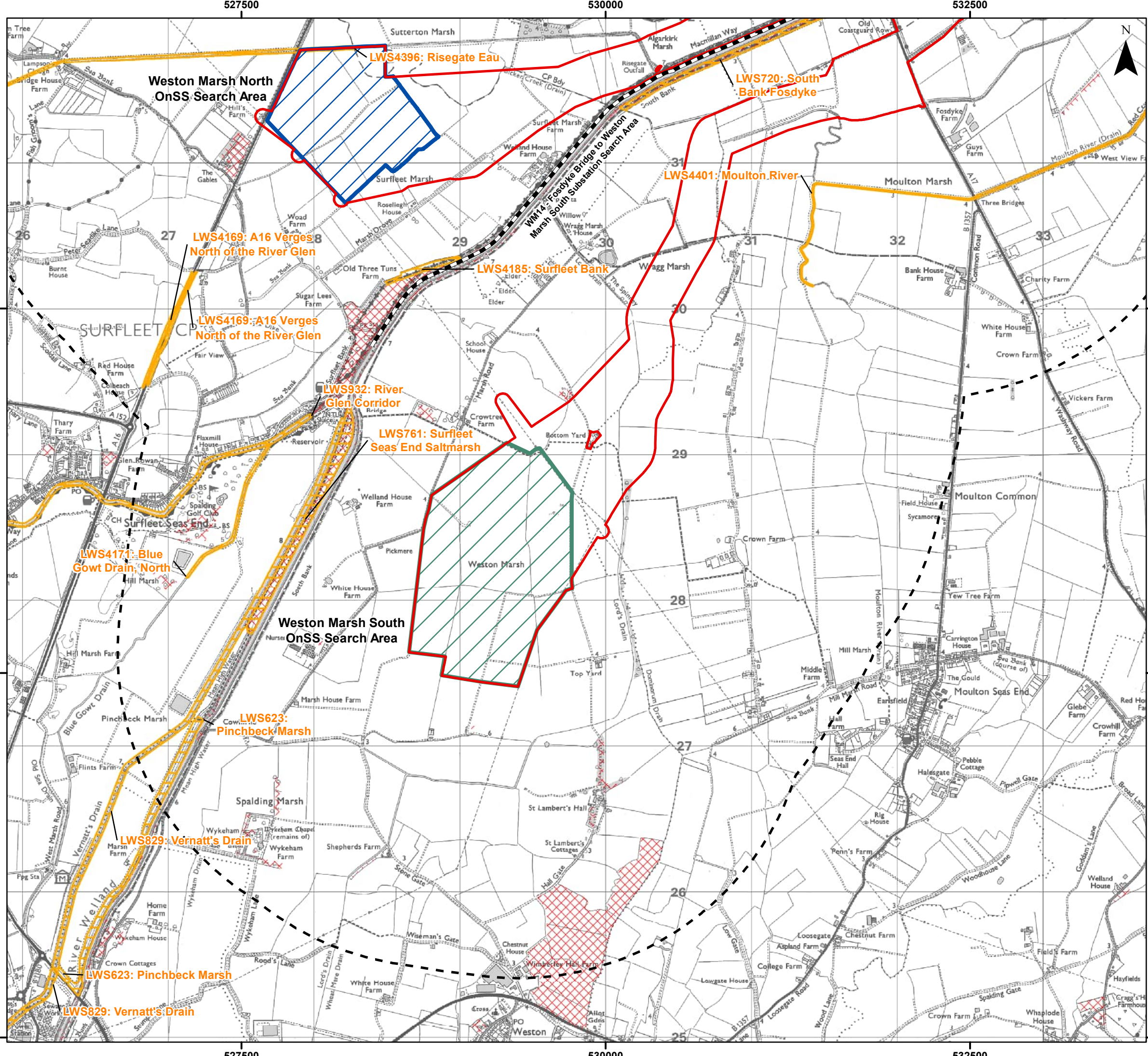
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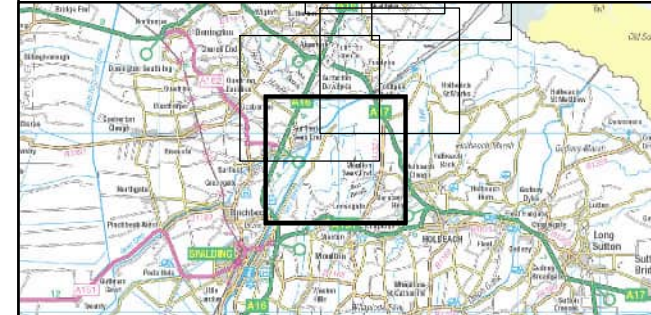




### Legend

- Onshore PEIR Boundary
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.12

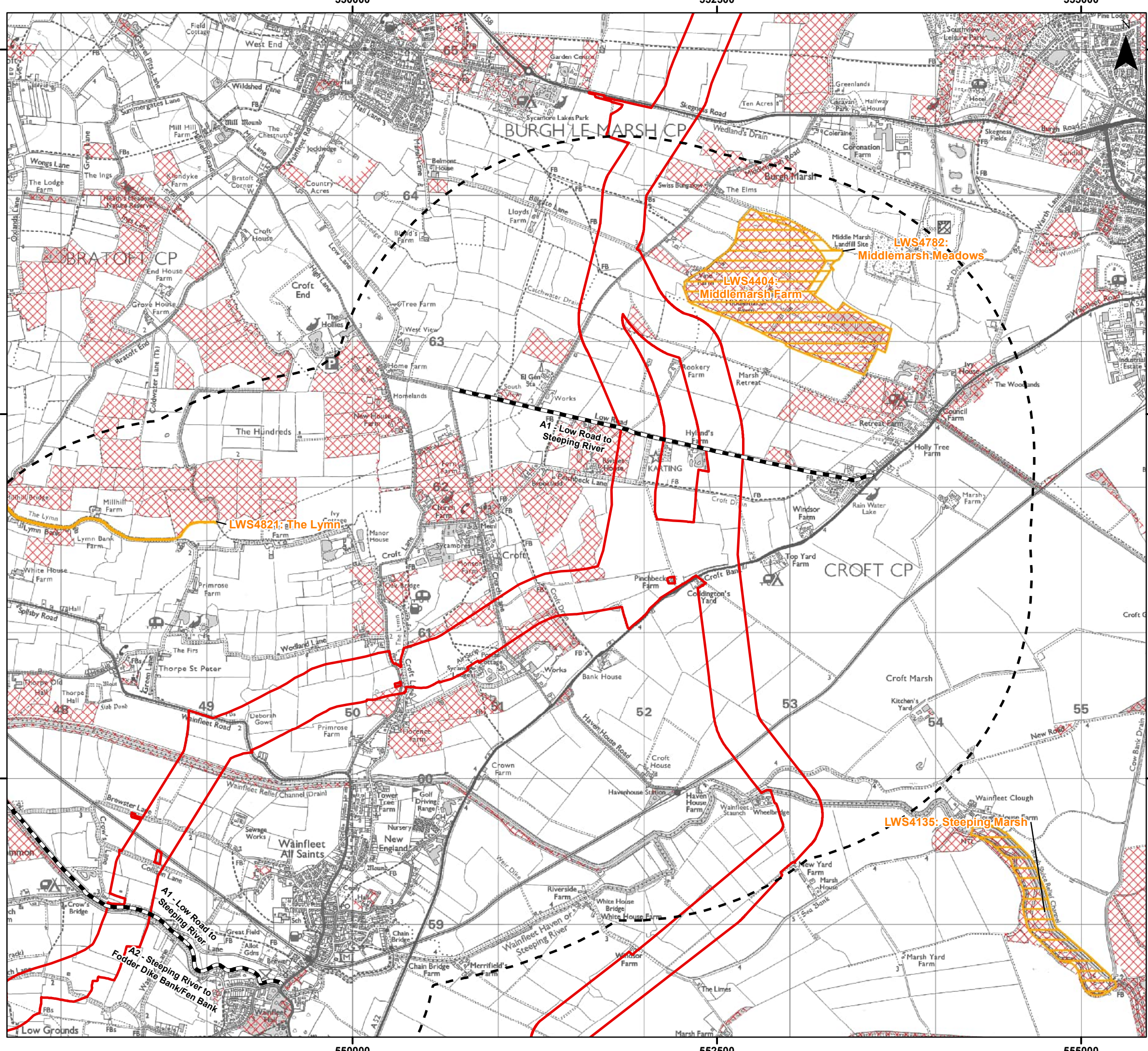


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.13



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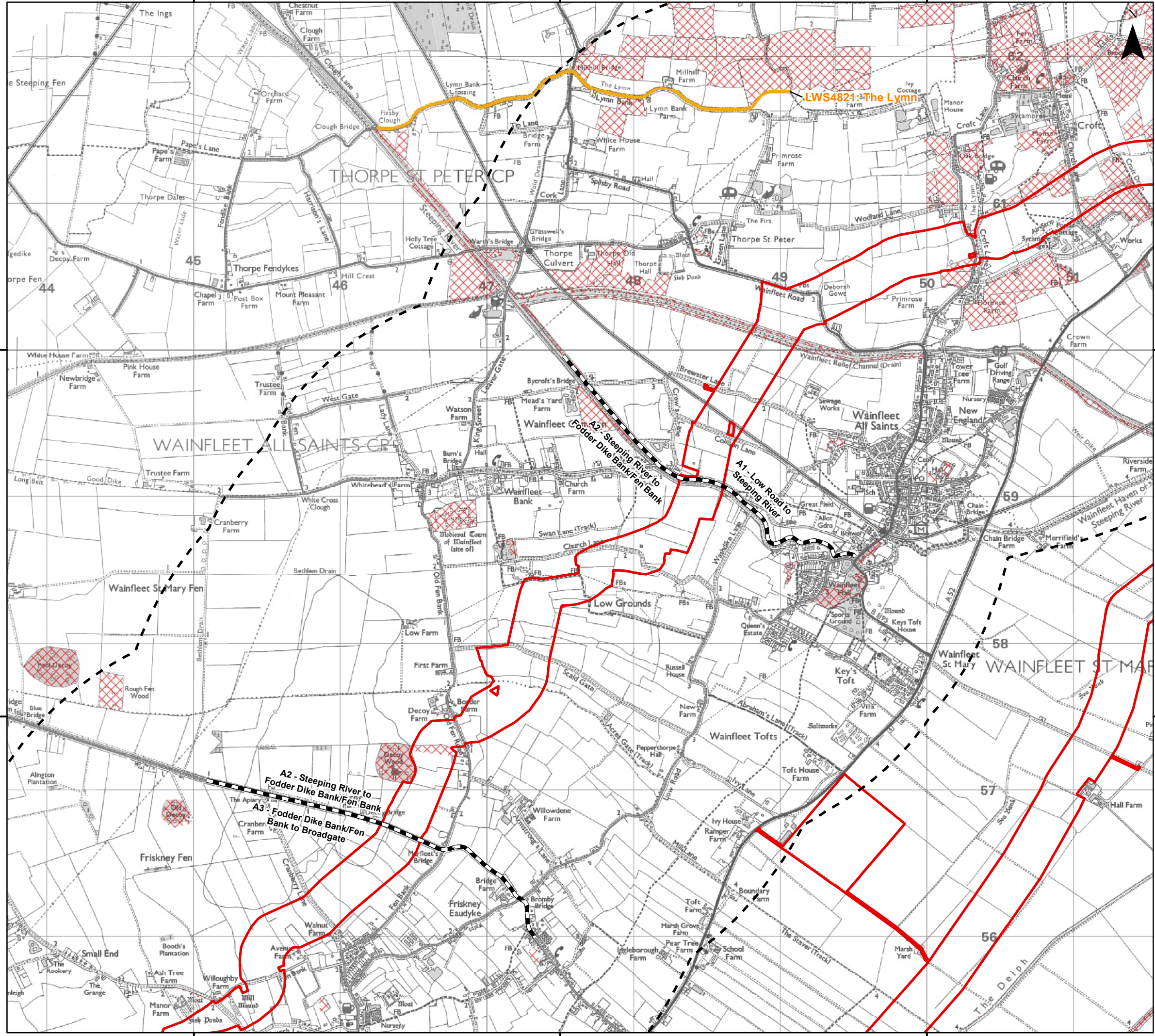
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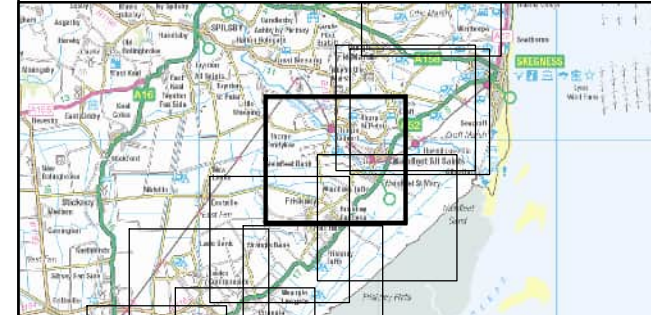
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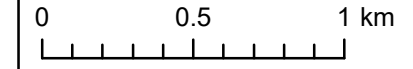
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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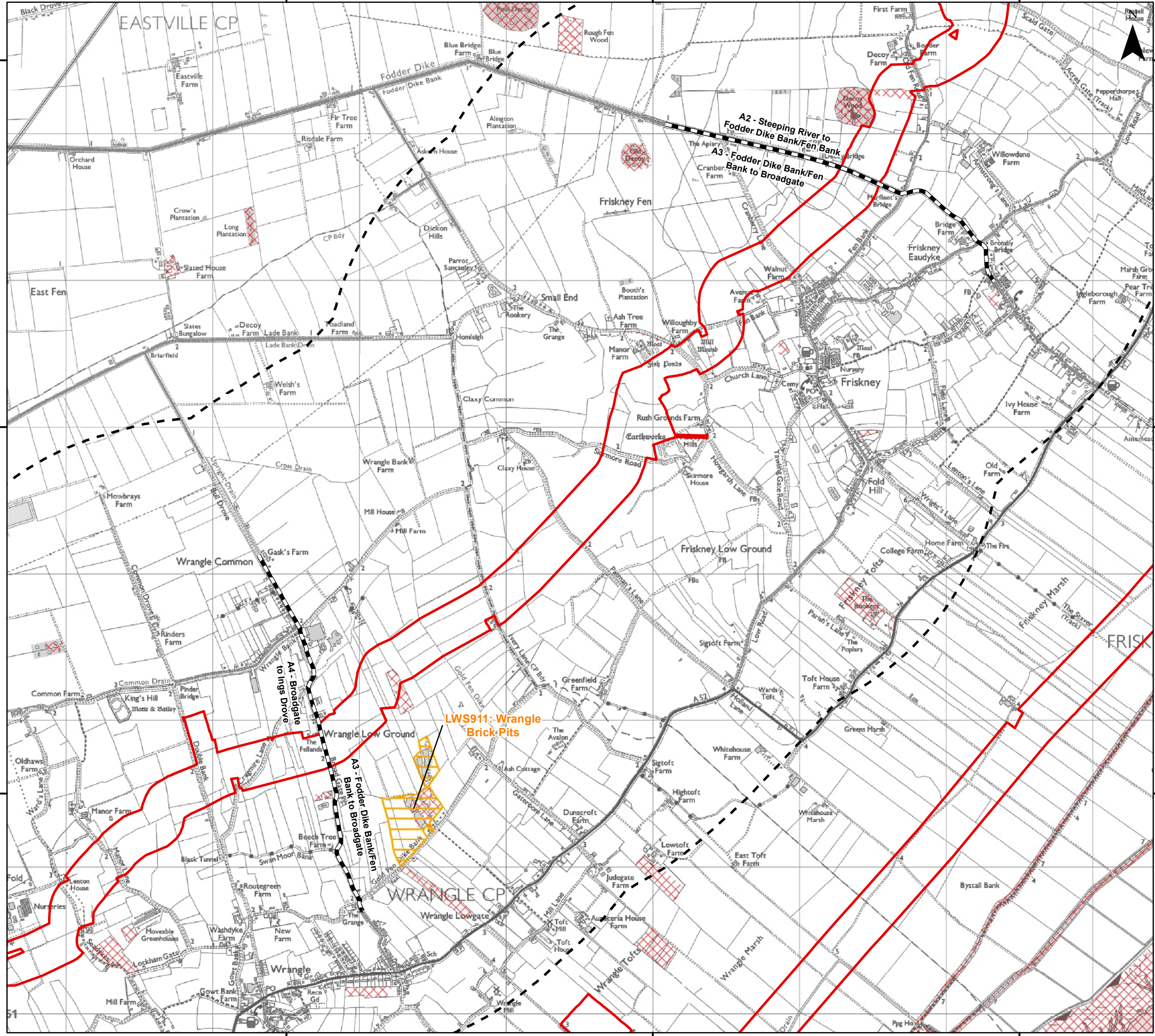
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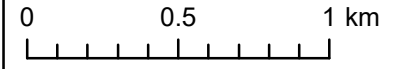
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats

Figure 21.6.15

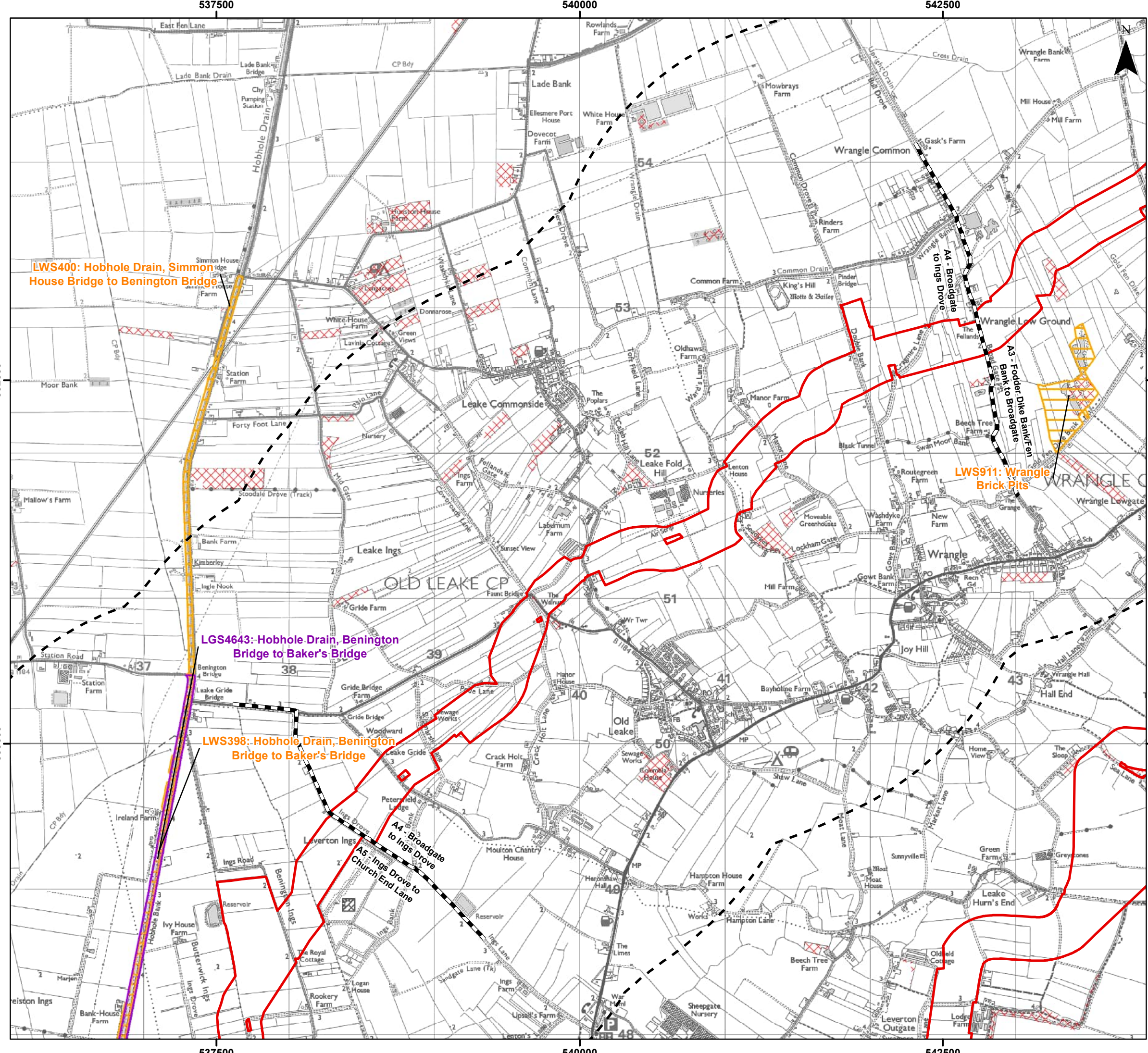


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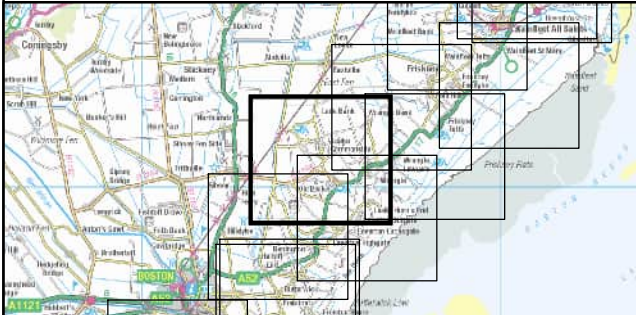
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
  - Local Geological Site
  - Local Wildlife Site
  - Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.16

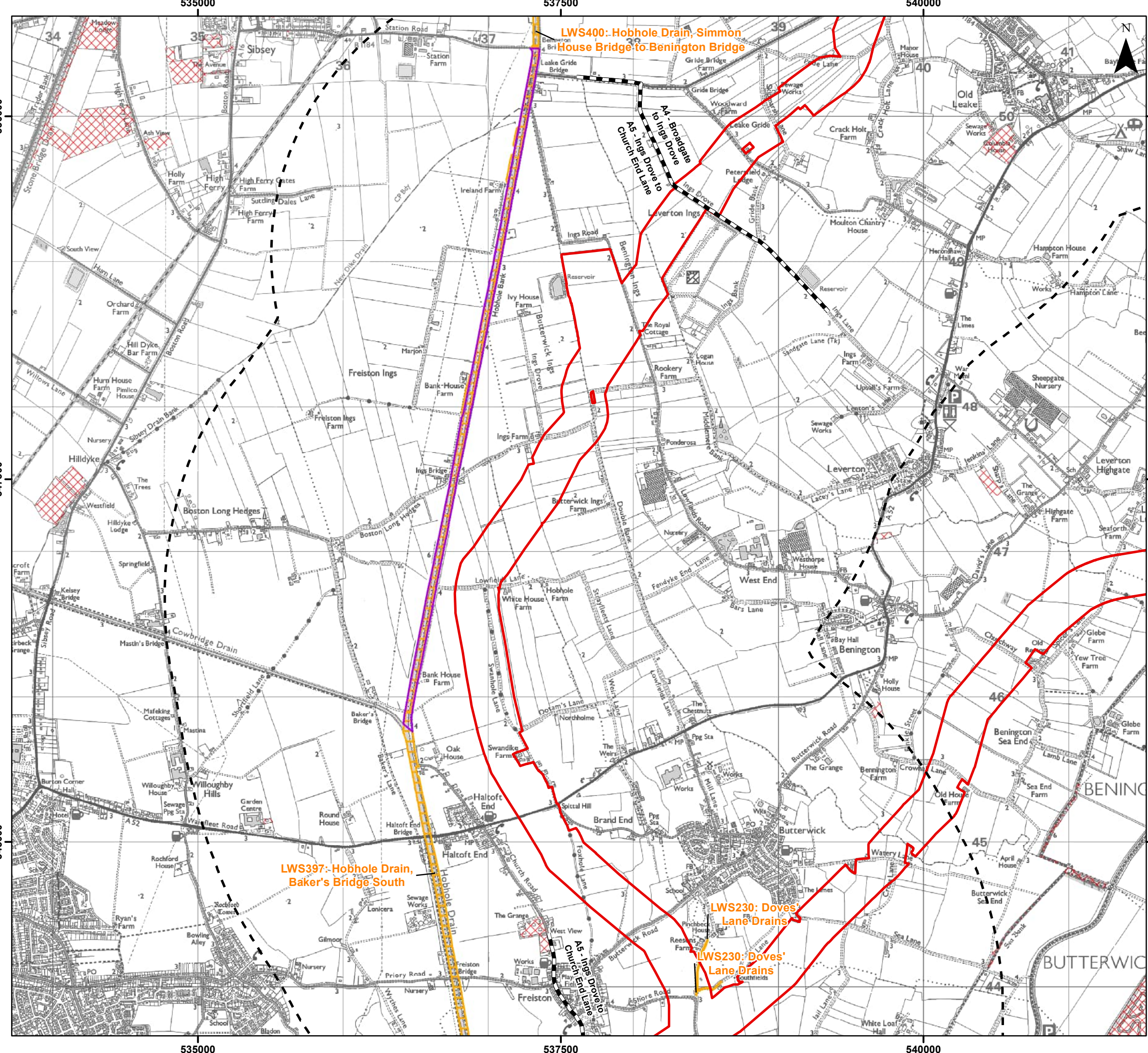


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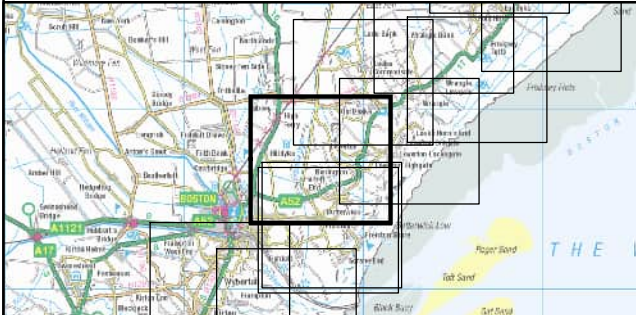
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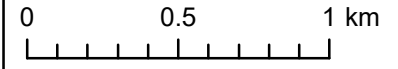
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Geological Site
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats

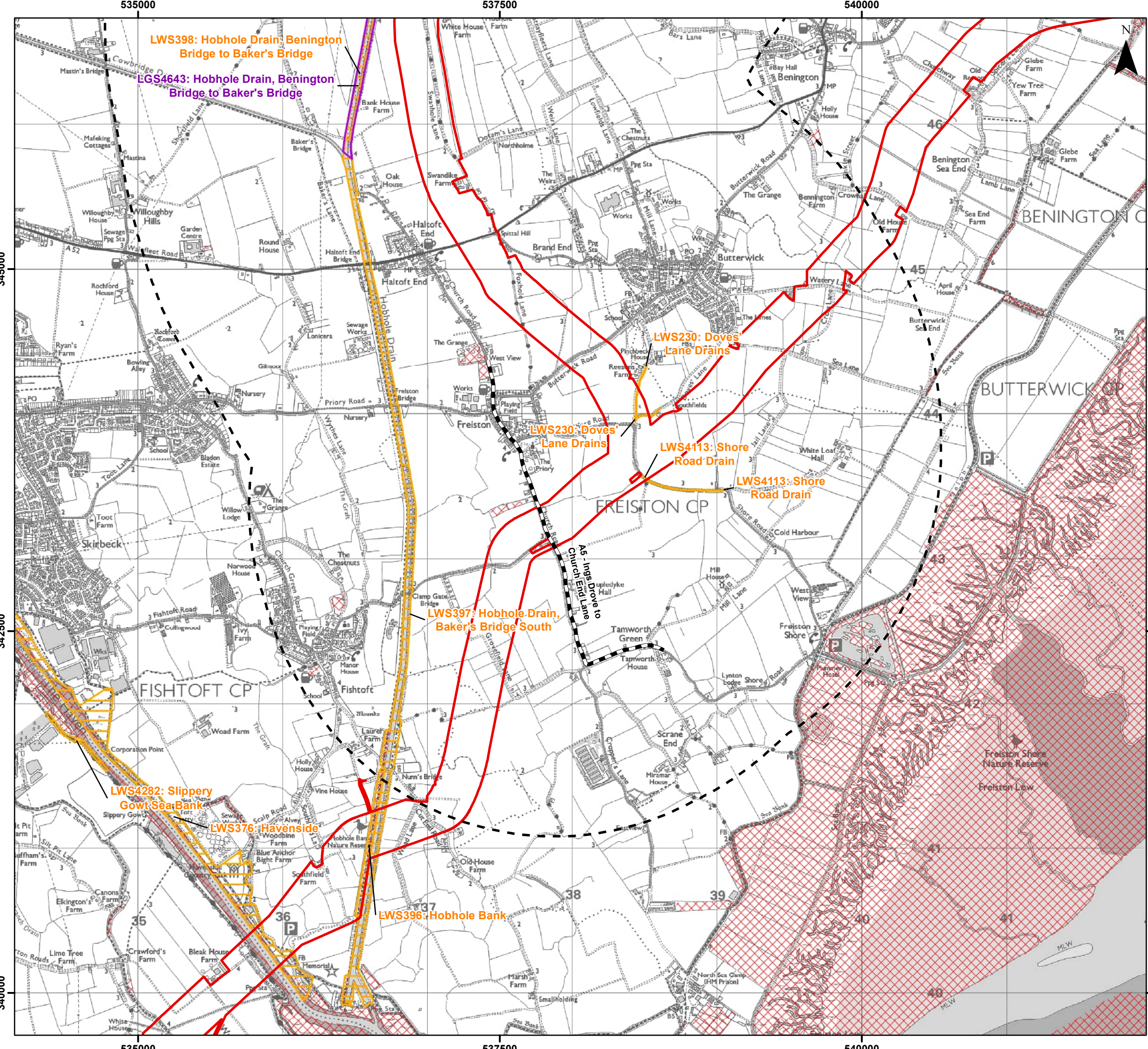
Figure 21.6.17



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Geological Site
- Local Wildlife Site
- Priority Habitat

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 Weston Marsh  
 Locally Designated Sites and Priority Habitats  
 Figure 21.6.18





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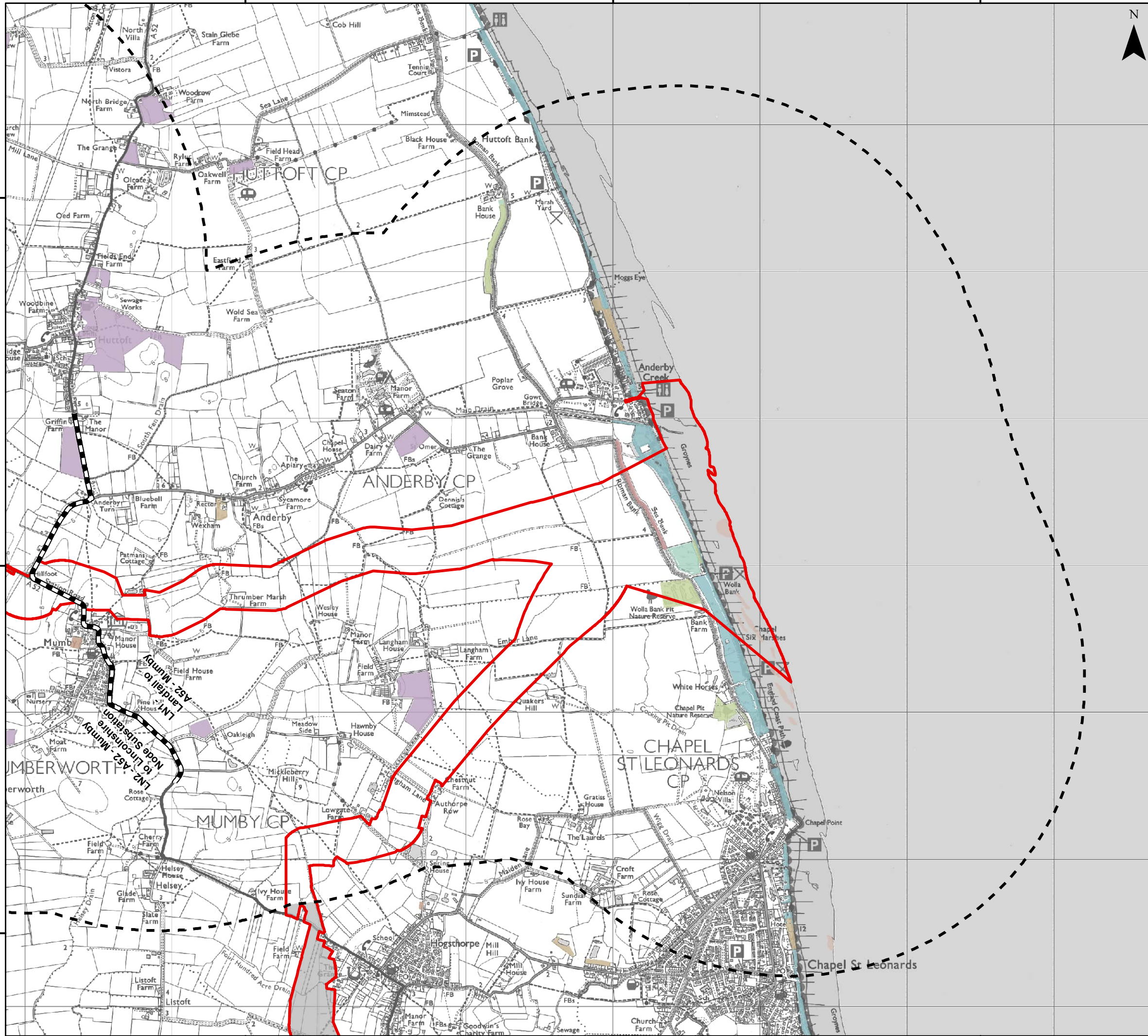
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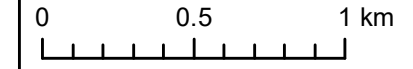
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
- Priority Habitat**
-  Coastal and Floodplain Grazing Marsh
-  Coastal Sand Dunes
-  Deciduous Woodland
-  Good Quality Semi-improved Grassland
-  Mudflats
-  No Main Habitat but Additional Habitats Present
-  Reedbeds
-  Traditional Orchard

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### Preliminary Environmental Information Report

Lincolnshire Node  
Important Sites and Habitats

Figure 21.7.1



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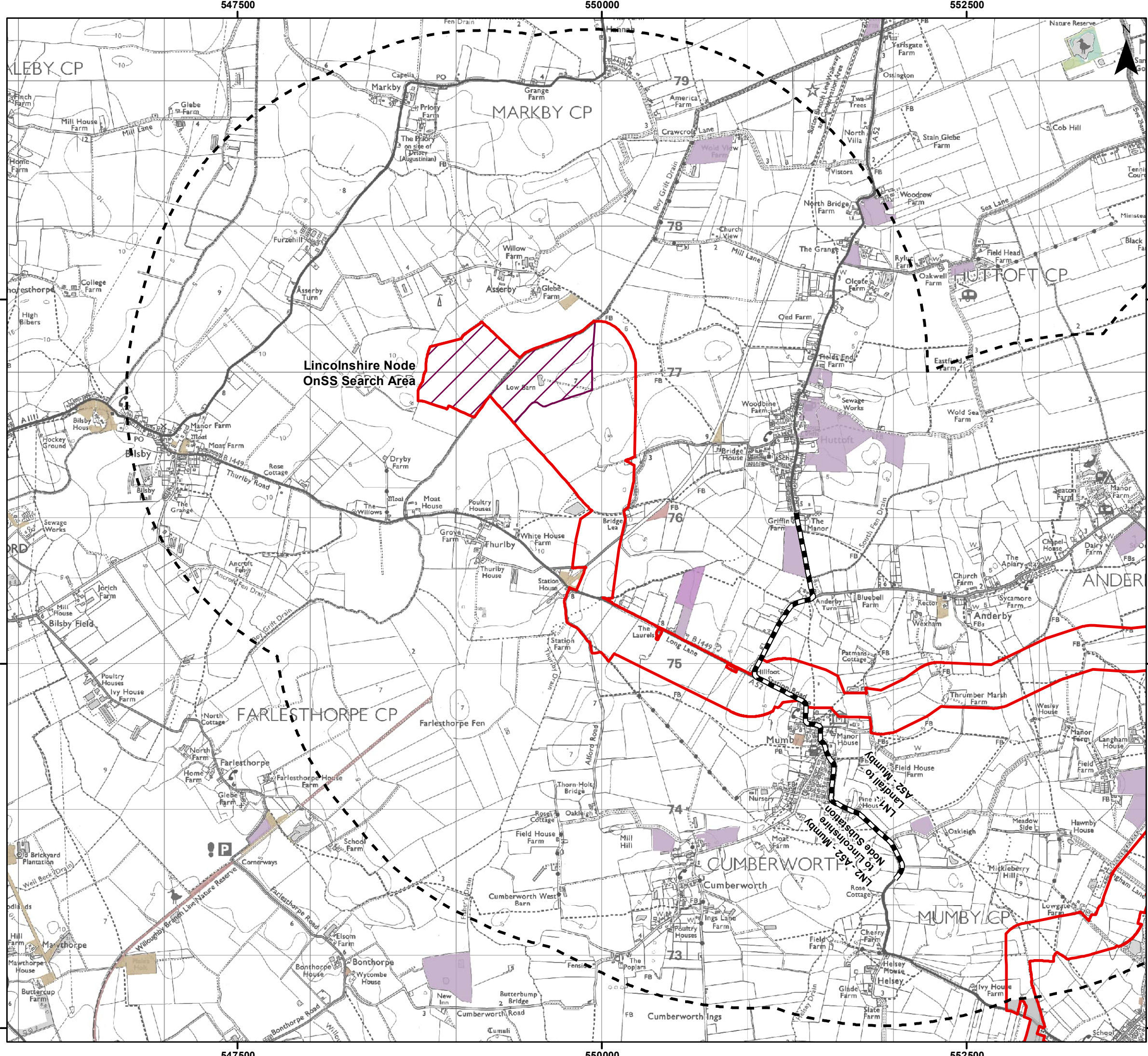
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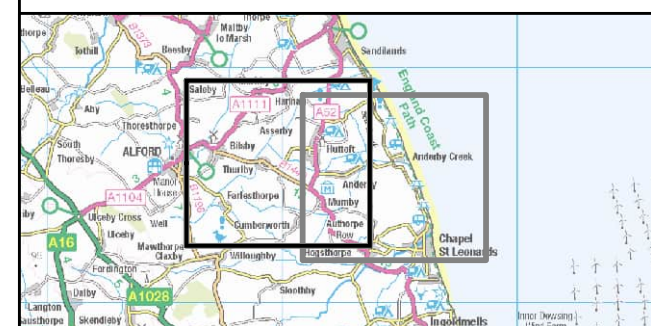
### Legend

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search
- Onshore Segment Break
- Onshore PEIR Boundary 2 km Buffer

### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- Lowland Meadows
- No Main Habitat but Additional Habitats Present
- Reedbeds
- Traditional Orchard

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Preliminary Environmental Information Report  
 Lincolnshire Node  
 Important Sites and Habitats  
 Figure 21.7.2



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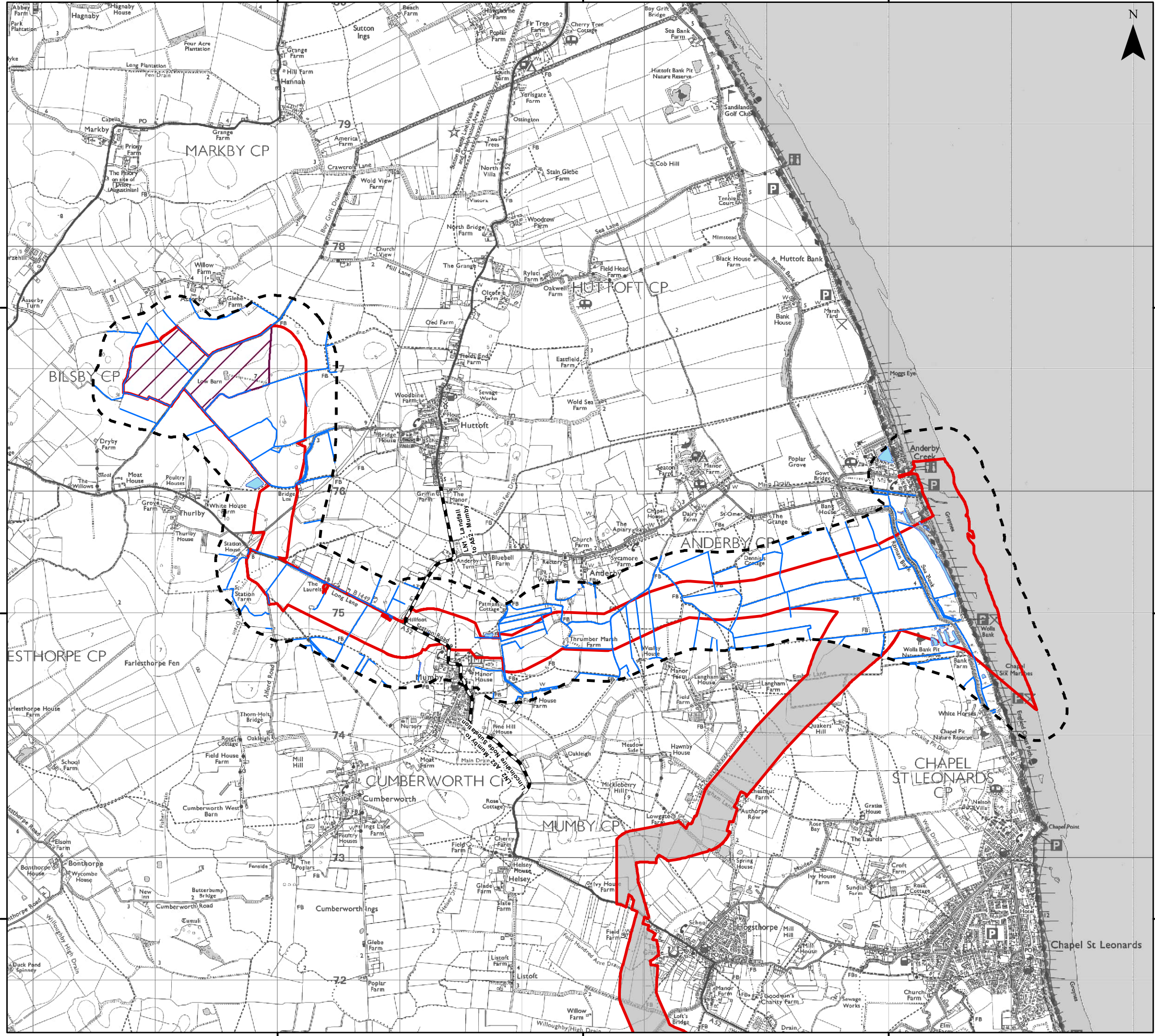
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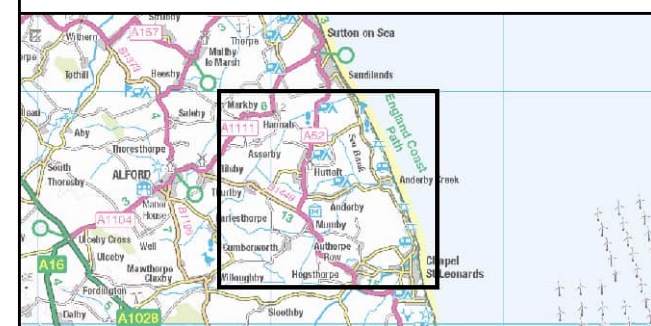
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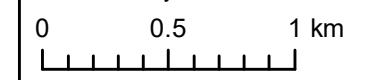
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Lincolnshire Node OnSS Search
-  Onshore PEIR Boundary Lincolnshire Node 250 m Buffer
-  Watercourses within 250 m of Wolla Bank to Lincolnshire Node PEIR Boundary
-  Watercourses and Waterbodies within 250m of Onshore PEIR Boundary

Sources:



Coordinate System: British National Grid



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Preliminary Environmental Information Report

Lincolnshire Node  
Watercourses and Waterbodies within  
250m of PEIR Boundary  
Figure 21.8



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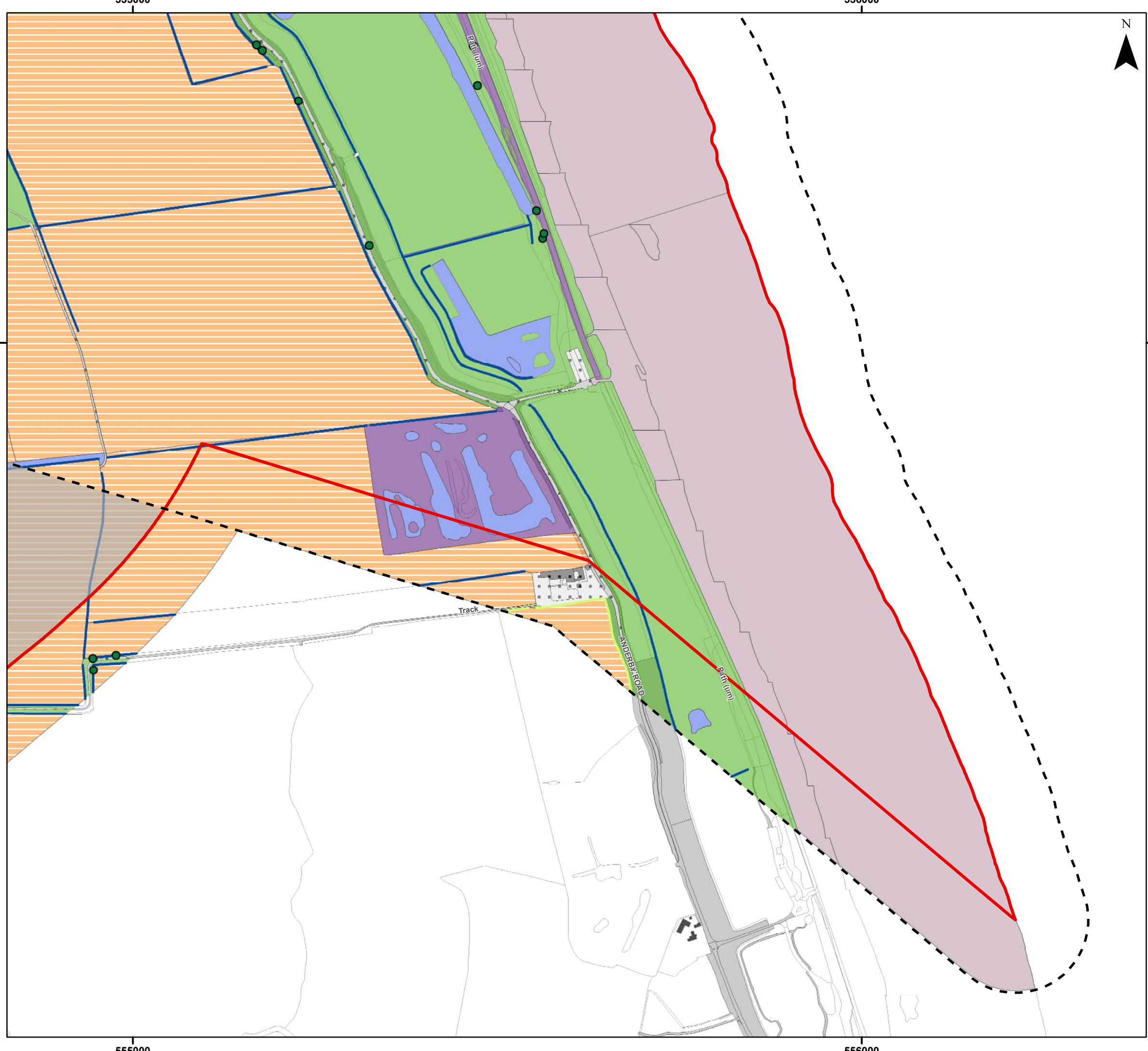
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Lincolnshire Node
- 100 m Buffer
- Individual Tree

**UK Habitat Classification**

**Heathland and Shrub - Hedgerows**

- h2 - Hedgerow

**Rivers and Lakes - Rivers and Streams**

- r2 - River and Stream

**Cropland - Arable and Horticulture**

- c1 - Arable and Horticulture

**Grassland - Neutral Grassland**

- g - Grassland

**Heathland and Shrub - Dense Scrub**

- h3 - Dense Scrub

**Rivers and Lakes - Rivers and Streams**

- r - Rivers and Lakes

**Sparsely Vegetated Land - Supralittoral Sediment**

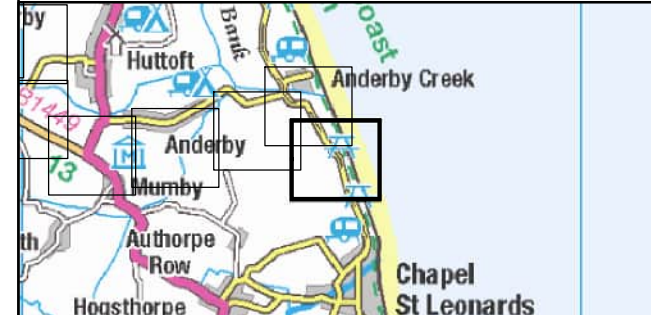
- s3 - Supralittoral Sediment

**Urban - Built-up Areas and Gardens**

- u1 - Built-up Area and Garden

**Woodland and Forest - Broadleaved Mixed and Yew Woodland**

- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Lincolnshire Node

Habitats within PEIR Boundary

Figure 21.9.1





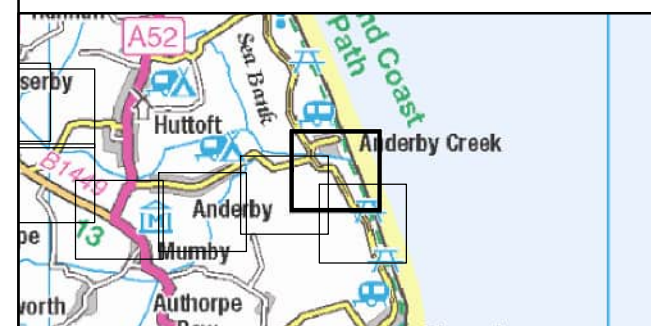
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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Sparsely Vegetated Land - Supralittoral Sediment**
  - s3 - Supralittoral Sediment
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - u1b5 - Building
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Habitats within PEIR Boundary  
 Figure 21.9.2



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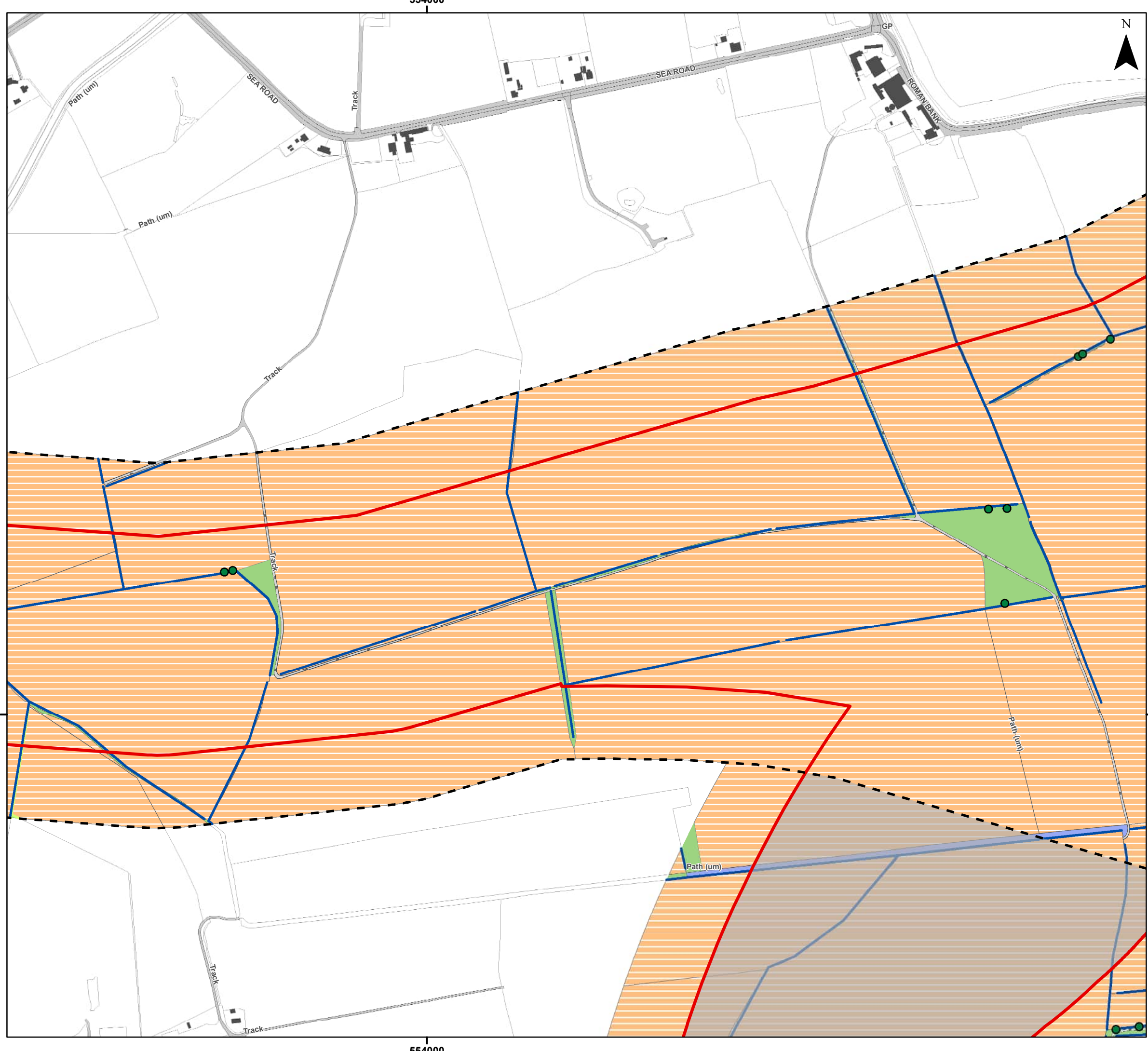
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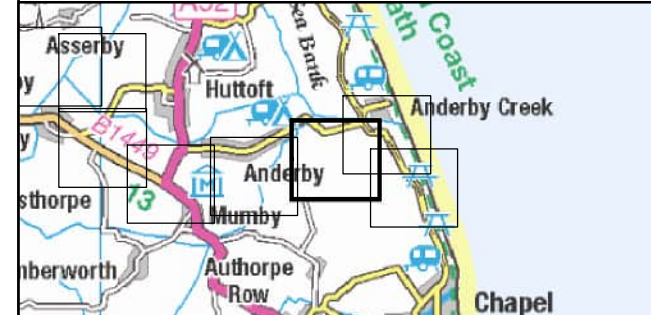
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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Lincolnshire Node
- 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Habitats within PEIR Boundary

Figure 21.9.3

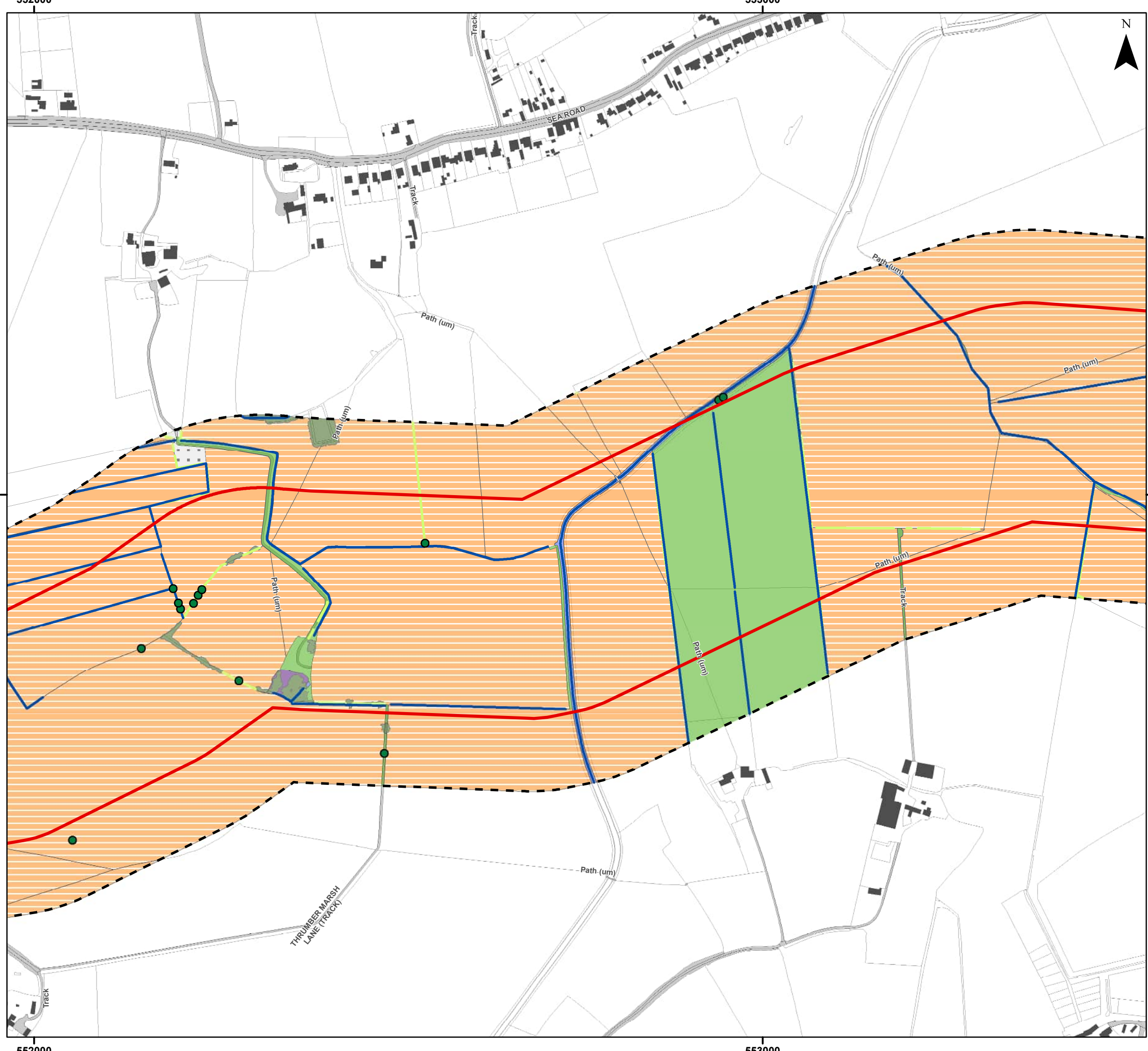


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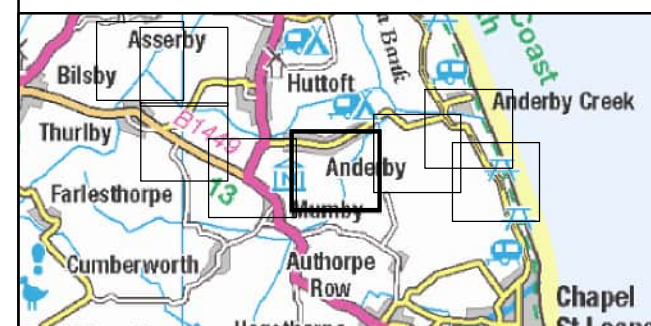


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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Lincolnshire Node

Habitats within PEIR Boundary

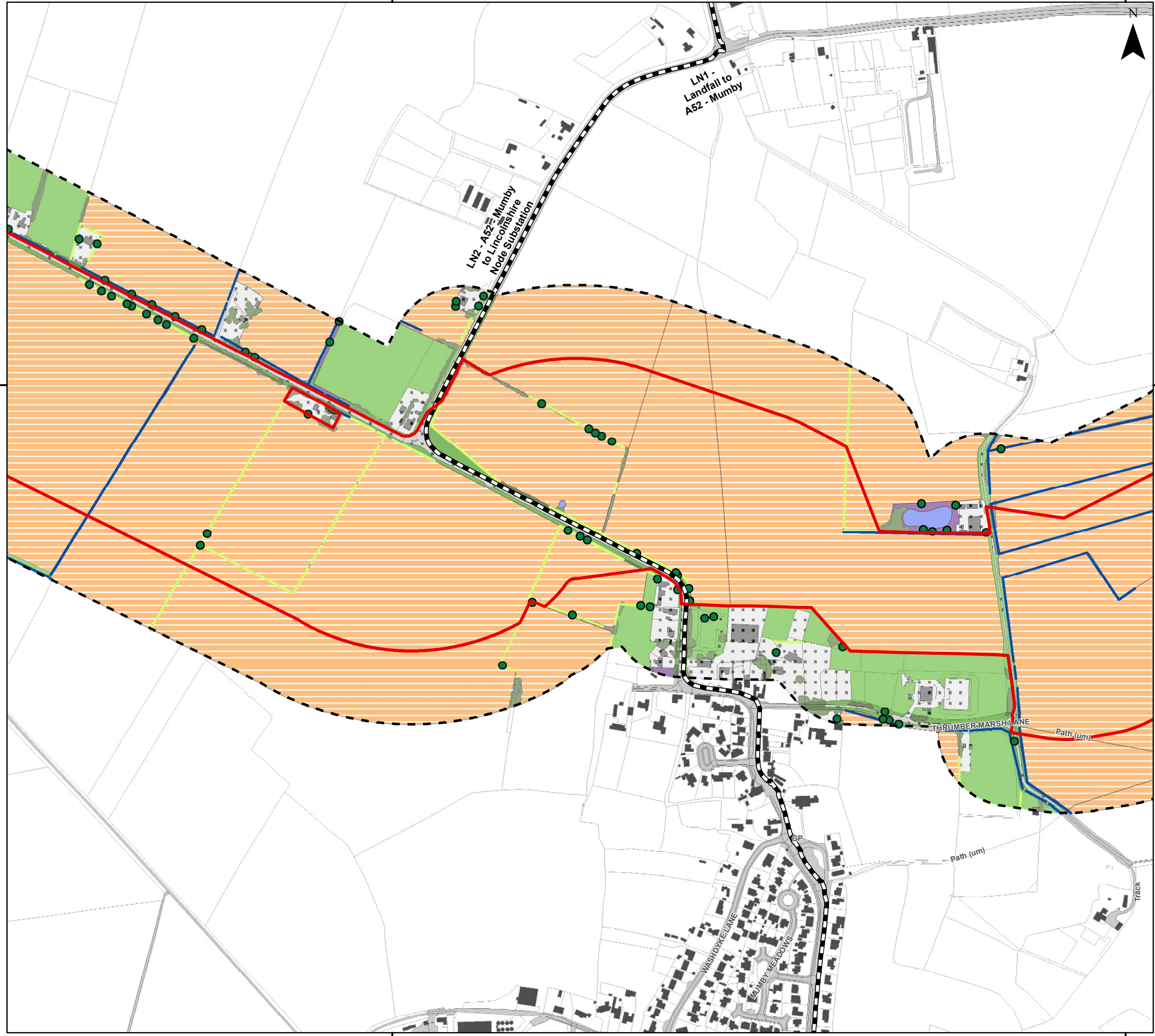
Figure 21.9.4



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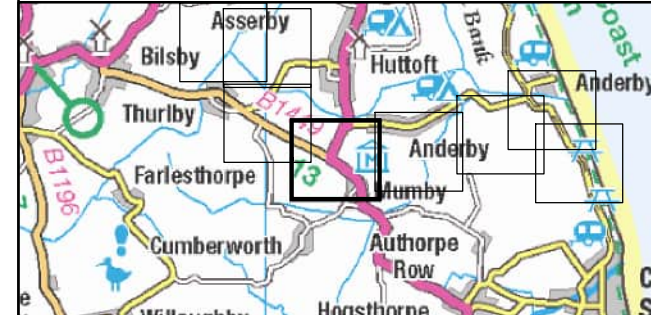
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Lincolnshire Node
- 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Lincolnshire Node

Habitats within PEIR Boundary

Figure 21.9.5



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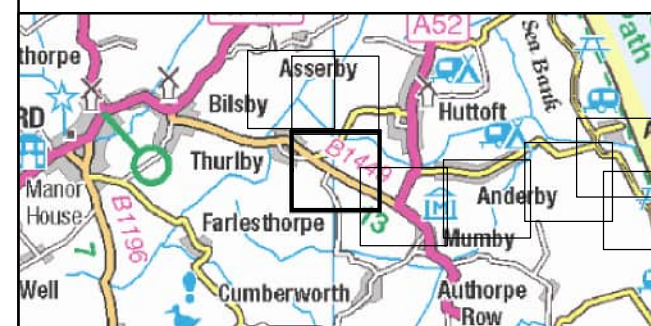
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Lincolnshire Node
- 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Habitats within PEIR Boundary  
 Figure 21.9.6



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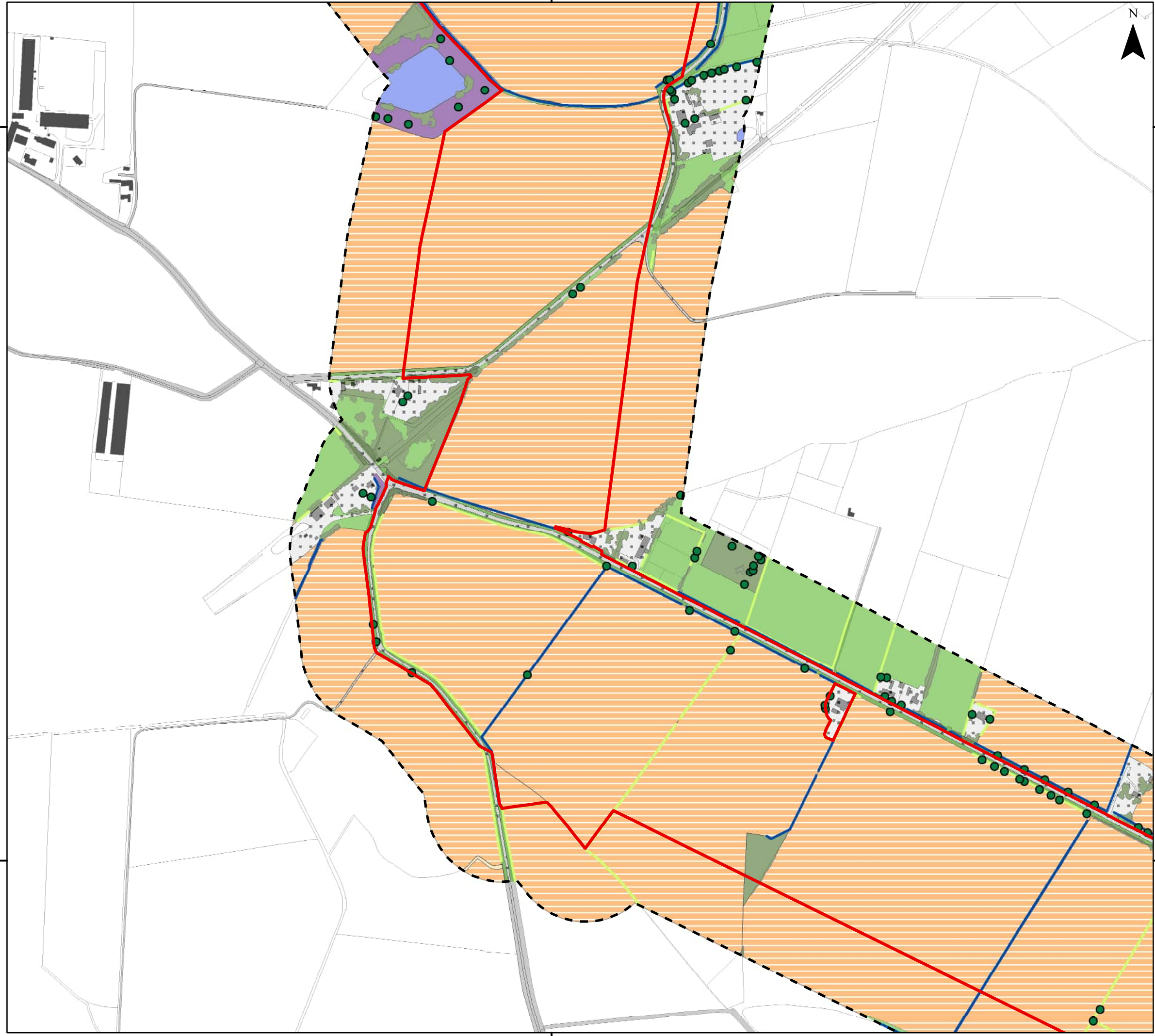
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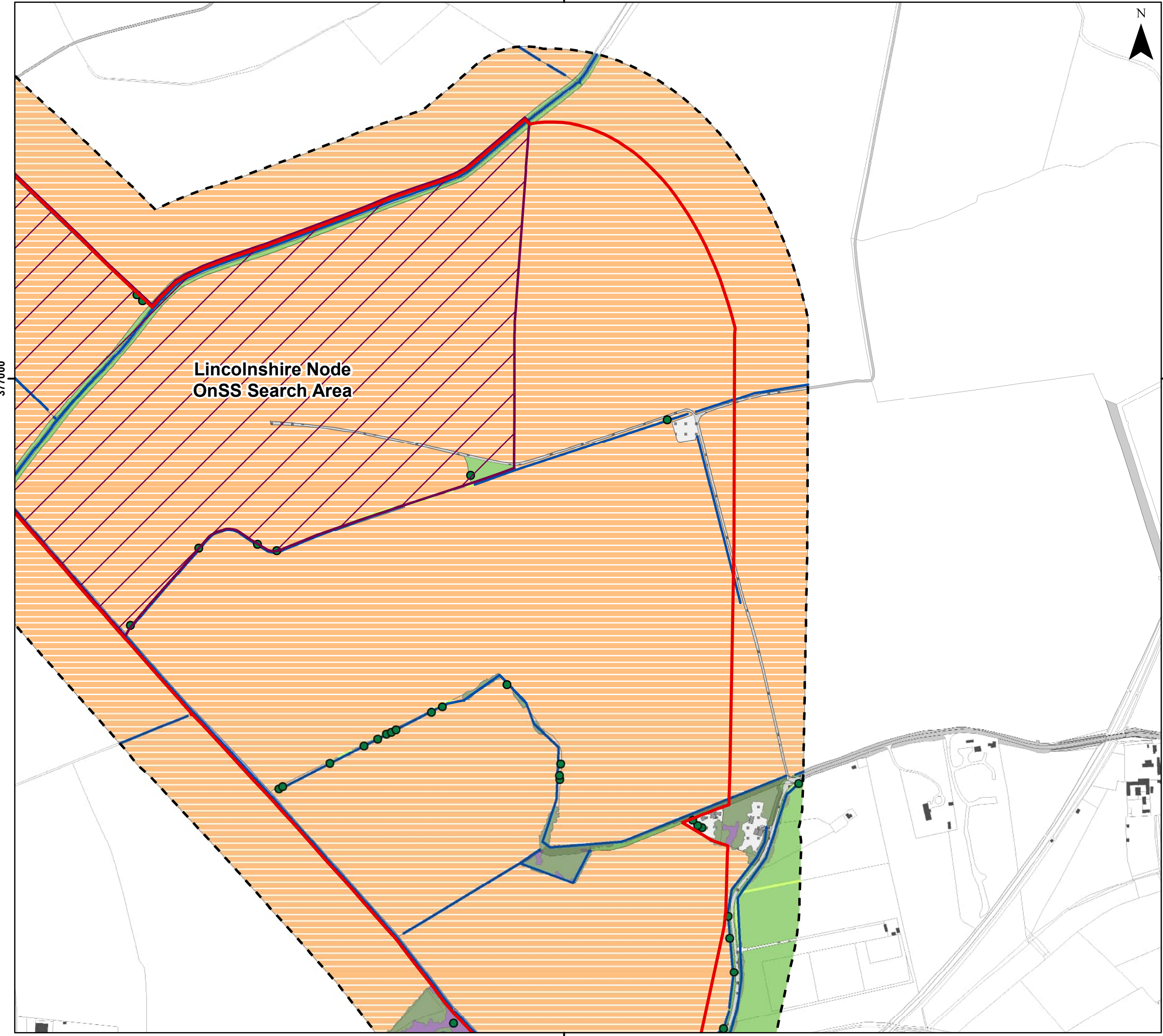
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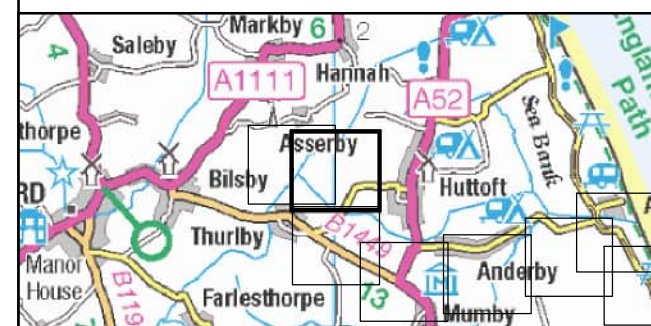
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### Legend

-  Onshore PEIR Boundary
-  Lincolnshire Node OnSS Search Area
-  Onshore PEIR Boundary Lincolnshire Node
-  100 m Buffer
-  Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
-  h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
-  r2 - River and Stream
- Cropland - Arable and Horticulture**
-  c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
-  g - Grassland
- Heathland and Shrub - Dense Scrub**
-  h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
-  r - Rivers and Lakes
-  r2 - Rivers and Streams
- Urban - Built-up Areas and Gardens**
-  u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
-  w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Habitats within PEIR Boundary  
 Figure 21.9.7

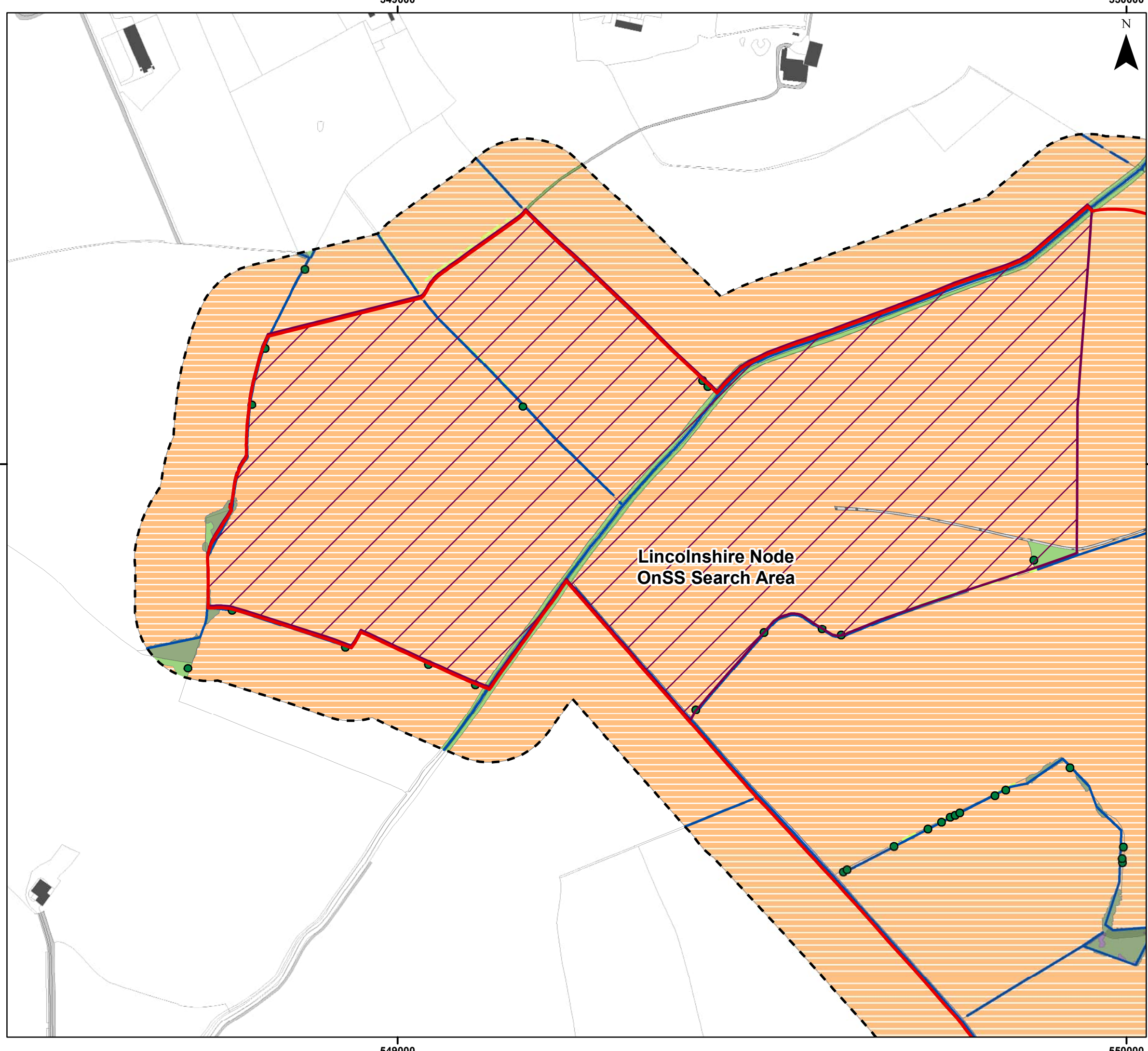


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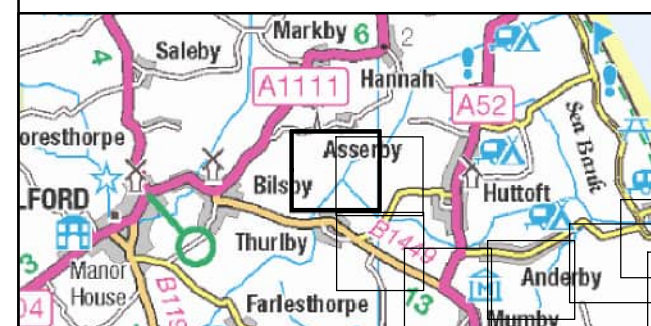
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- Legend**
- Onshore PEIR Boundary
  - Lincolnshire Node OnSS Search Area
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
  - r2 - Rivers and Streams
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland

Lincolnshire Node  
OnSS Search Area



Coordinate System: British National Grid  
0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report  
Lincolnshire Node  
Habitats within PEIR Boundary  
Figure 21.9.8



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

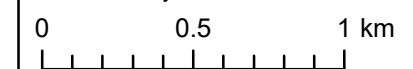
### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Sand Dunes
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- Lowland Meadows
- Mudflats
- No Main Habitat but Additional Habitats Present
- Reedbeds
- Traditional Orchard

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Preliminary Environmental Information Report

Weston Marsh  
 Important Sites and Habitats

Figure 21.10.1



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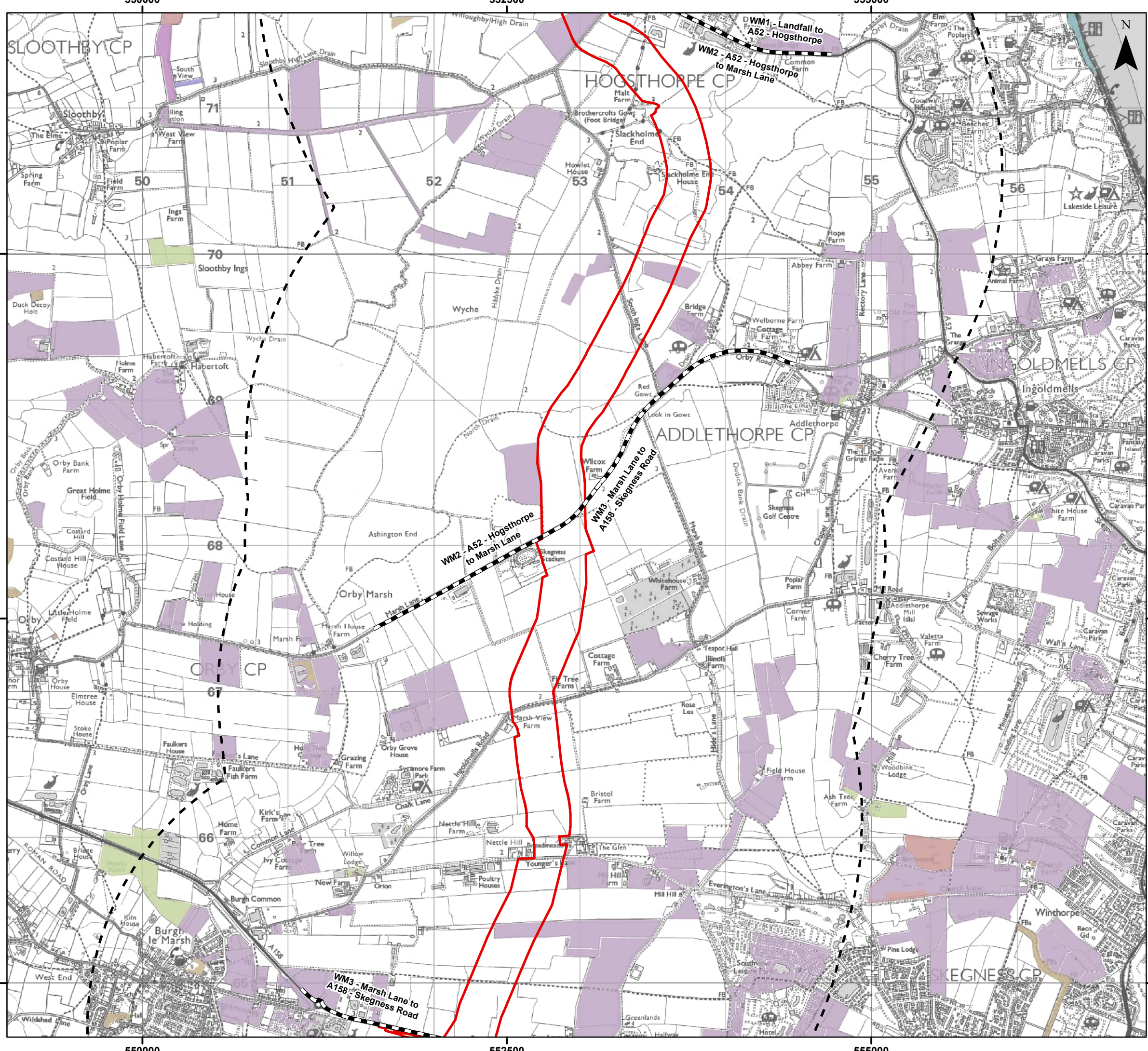
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

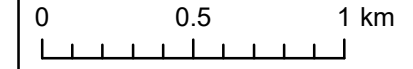
#### Priority Habitat

- Coastal and Floodplain Grazing
- Coastal Sand Dunes
- Deciduous Woodland
- Good Quality Semi-improved
- Lowland Calcareous
- Lowland Meadows
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Important Sites and Habitats

Figure 21.10.2

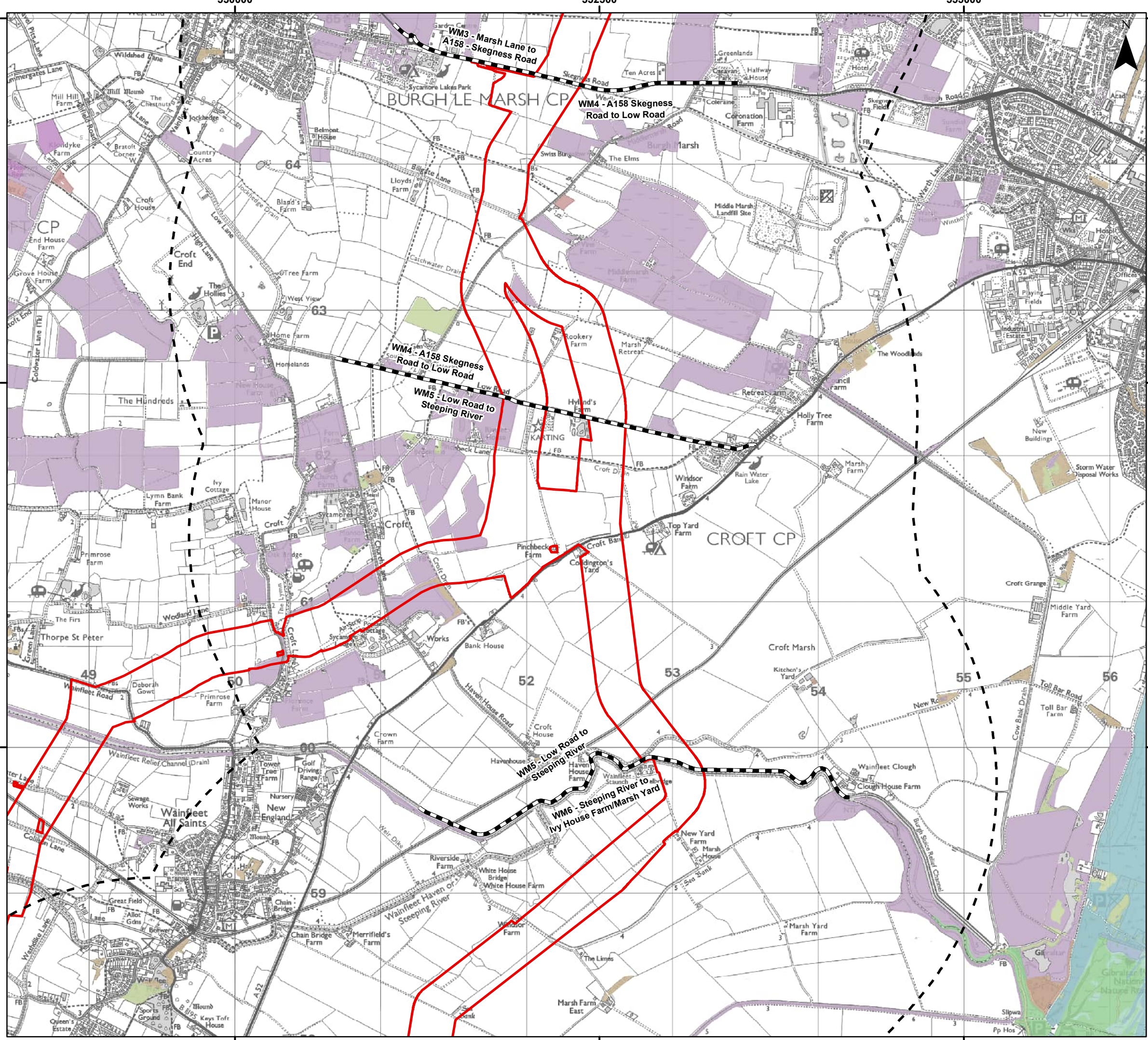


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

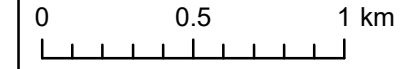
#### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Coastal Sand Dunes
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- Lowland Meadows
- Mudflats
- No Main Habitat but Additional Habitats Present
- Reedbeds
- Saline Lagoons
- Traditional Orchard

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Preliminary Environmental Information Report  
 Weston Marsh  
 Important Sites and Habitats

Figure 21.10.3

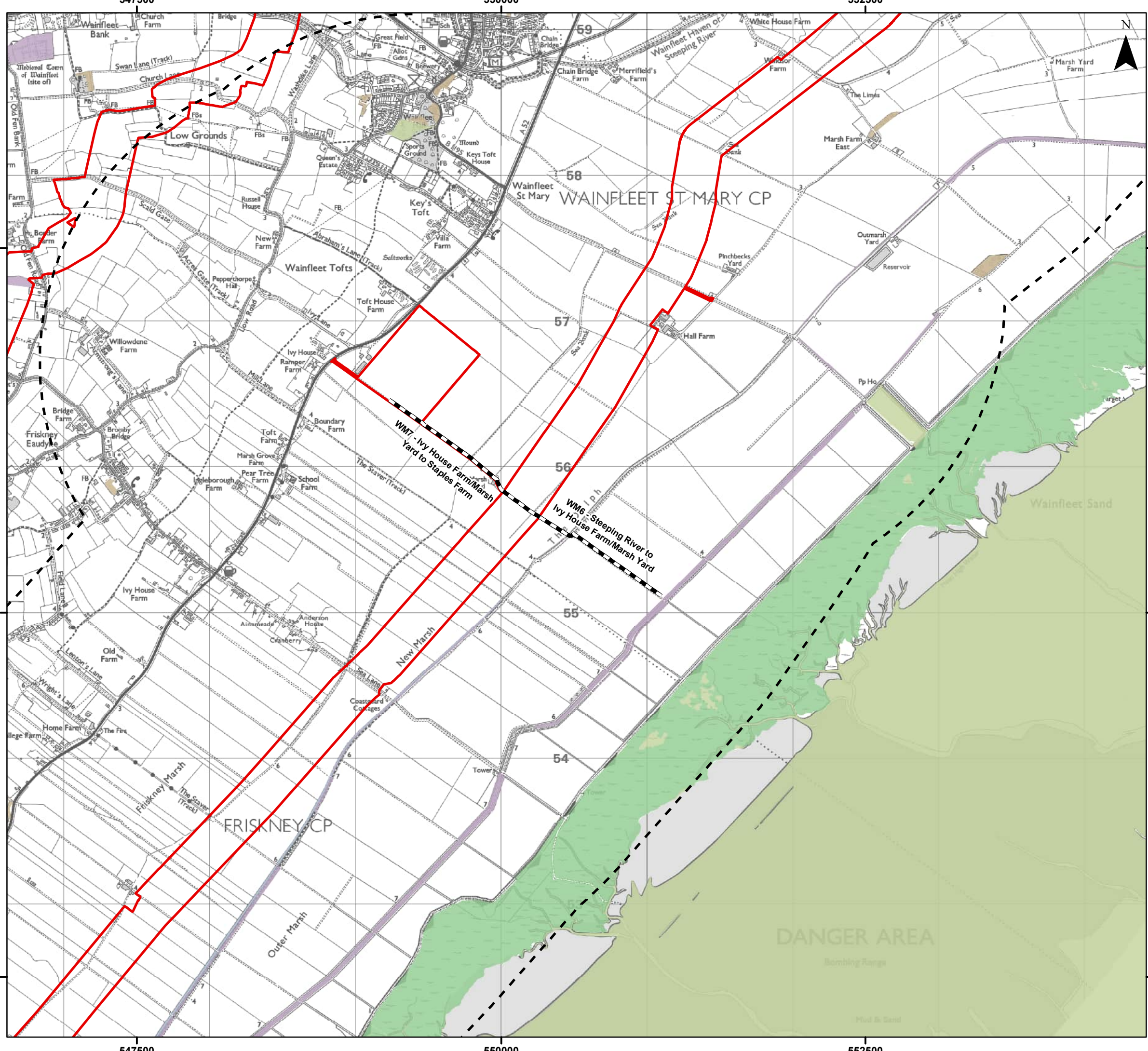


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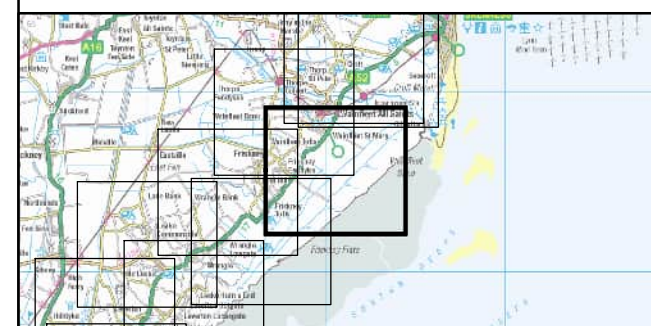
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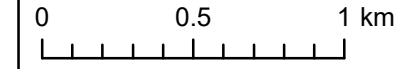
**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
  - Coastal Saltmarsh
  - Deciduous Woodland
  - Mudflats
  - No Main Habitat but Additional Habitats Present
  - Saline Lagoons

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Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Important Sites and Habitats

Figure 21.10.4

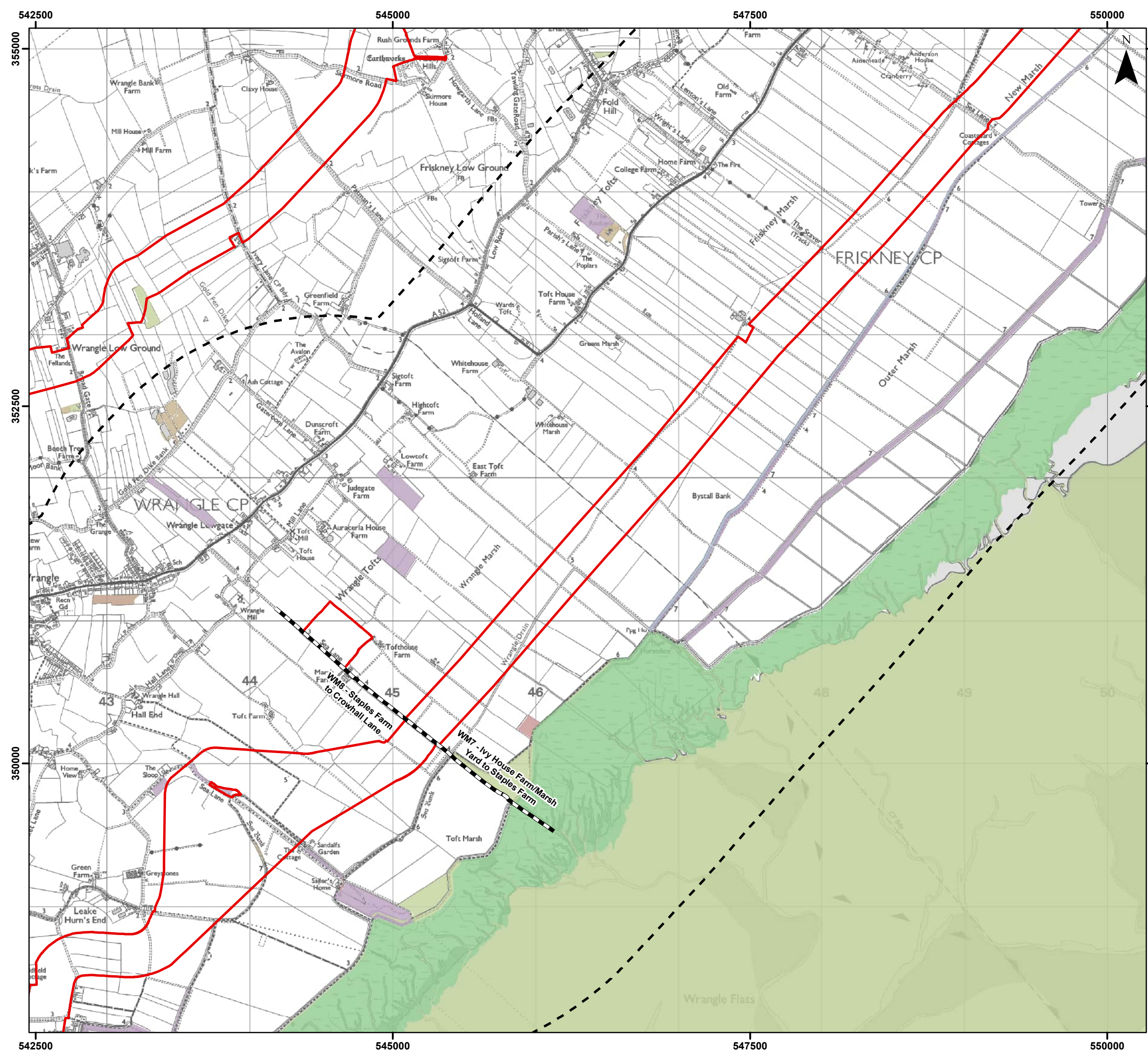


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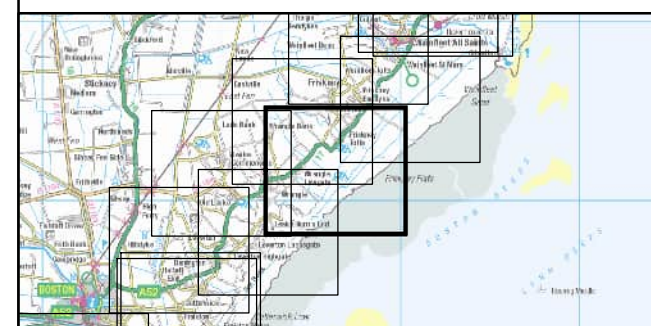
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

#### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- No Main Habitat but Additional Habitats Present
- Saline Lagoons
- Traditional Orchard

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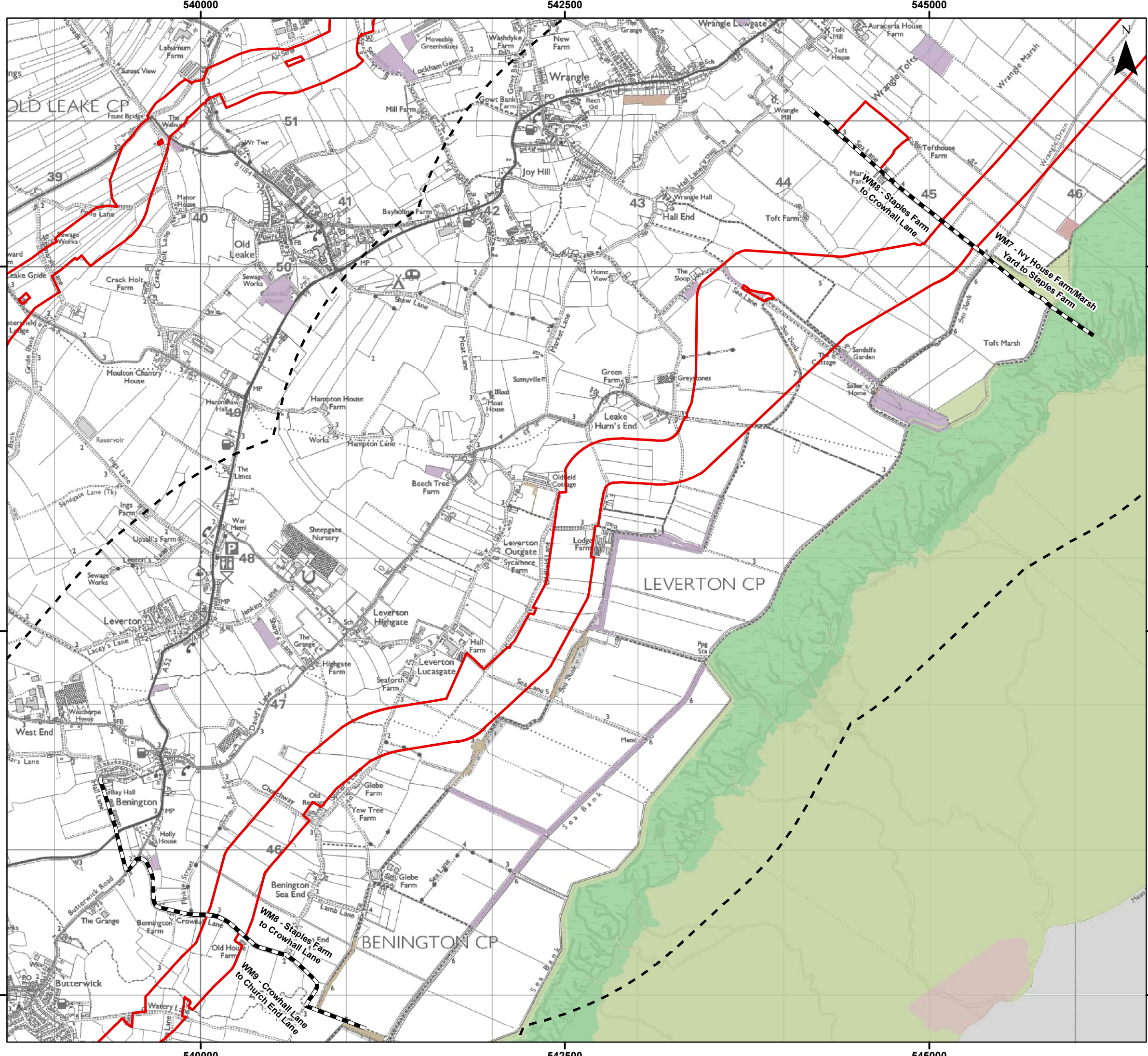


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Preliminary Environmental Information Report  
 Weston Marsh  
 Important Sites and Habitats  
 Figure 21.10.5



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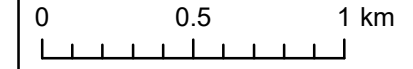
**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
  - Coastal Saltmarsh
  - Deciduous Woodland
  - Good Quality Semi-improved Grassland
  - Mudflats
  - No Main Habitat but Additional Habitats Present
  - Traditional Orchard

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Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Important Sites and Habitats

Figure 21.10.6



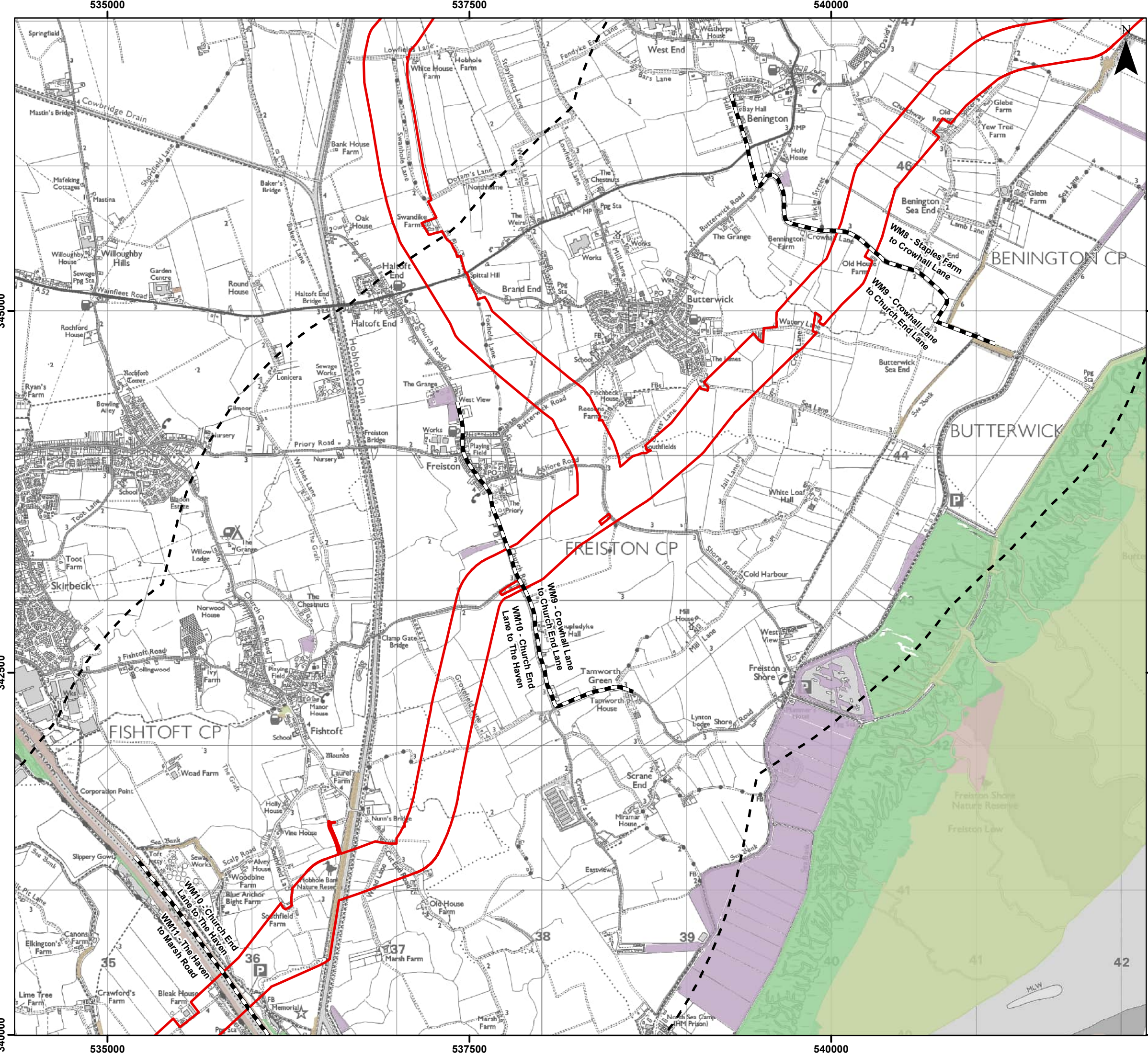
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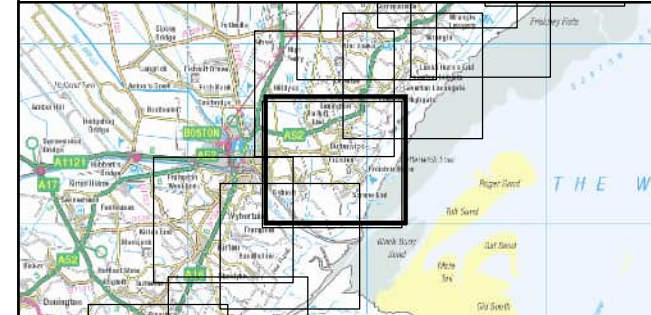
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

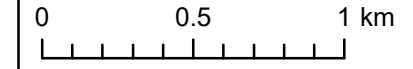
**Priority Habitat**

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Mudflats
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Preliminary Environmental Information Report  
 Weston Marsh  
 Important Sites and Habitats

Figure 21.10.7

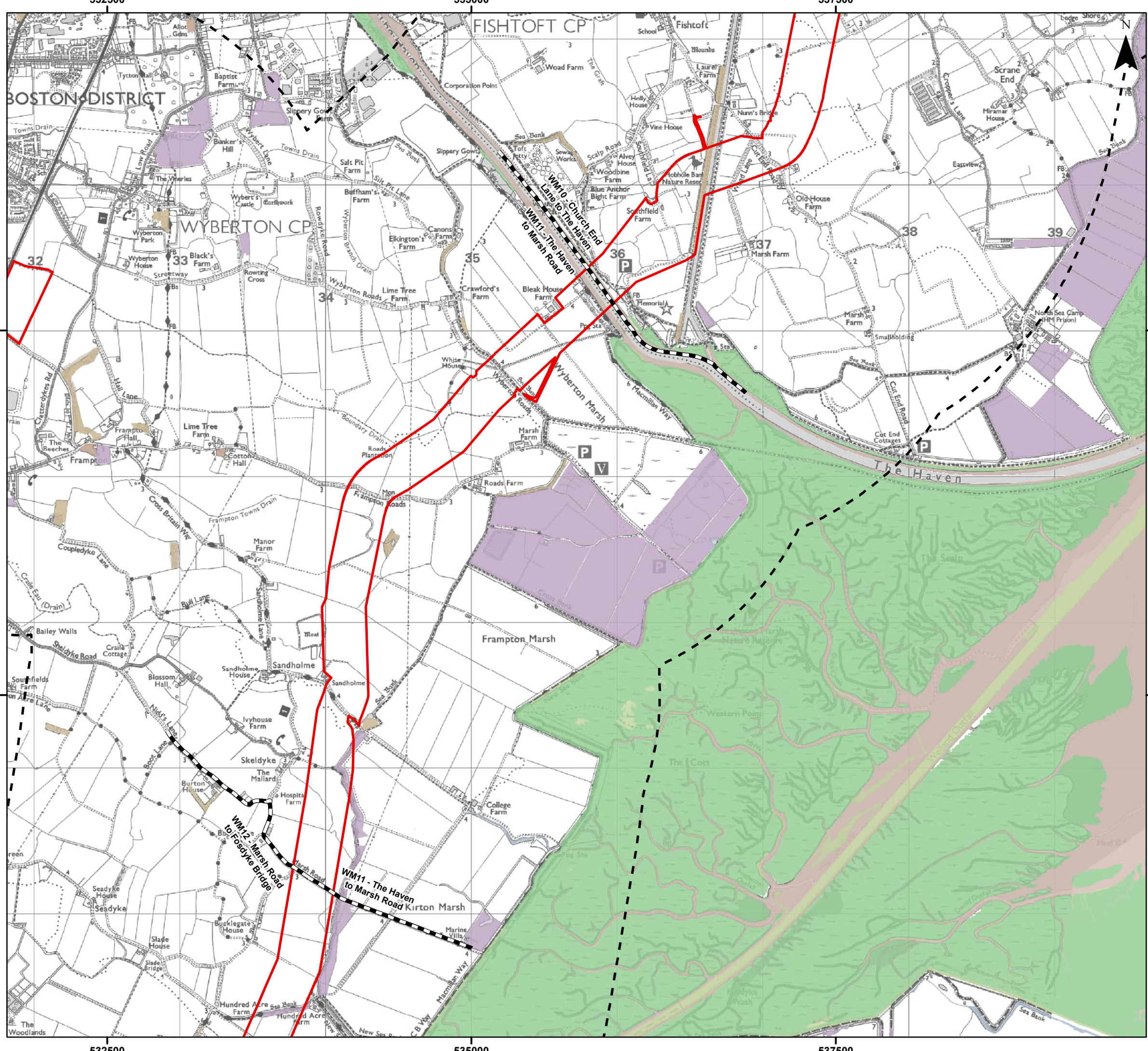


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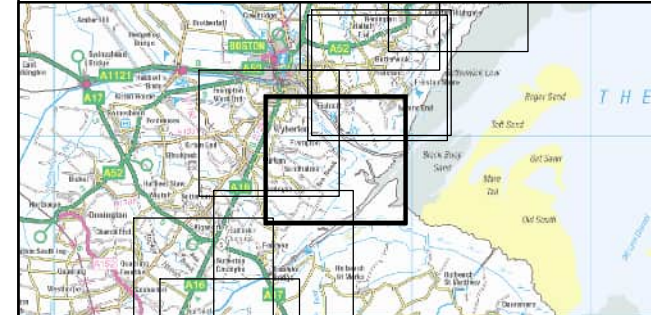
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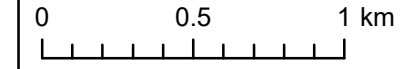
**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
  - Coastal Saltmarsh
  - Deciduous Woodland
  - Mudflats
  - No Main Habitat but Additional Habitats Present
  - Saline Lagoons
  - Traditional Orchard

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Weston Marsh  
 Important Sites and Habitats

Figure 21.10.8



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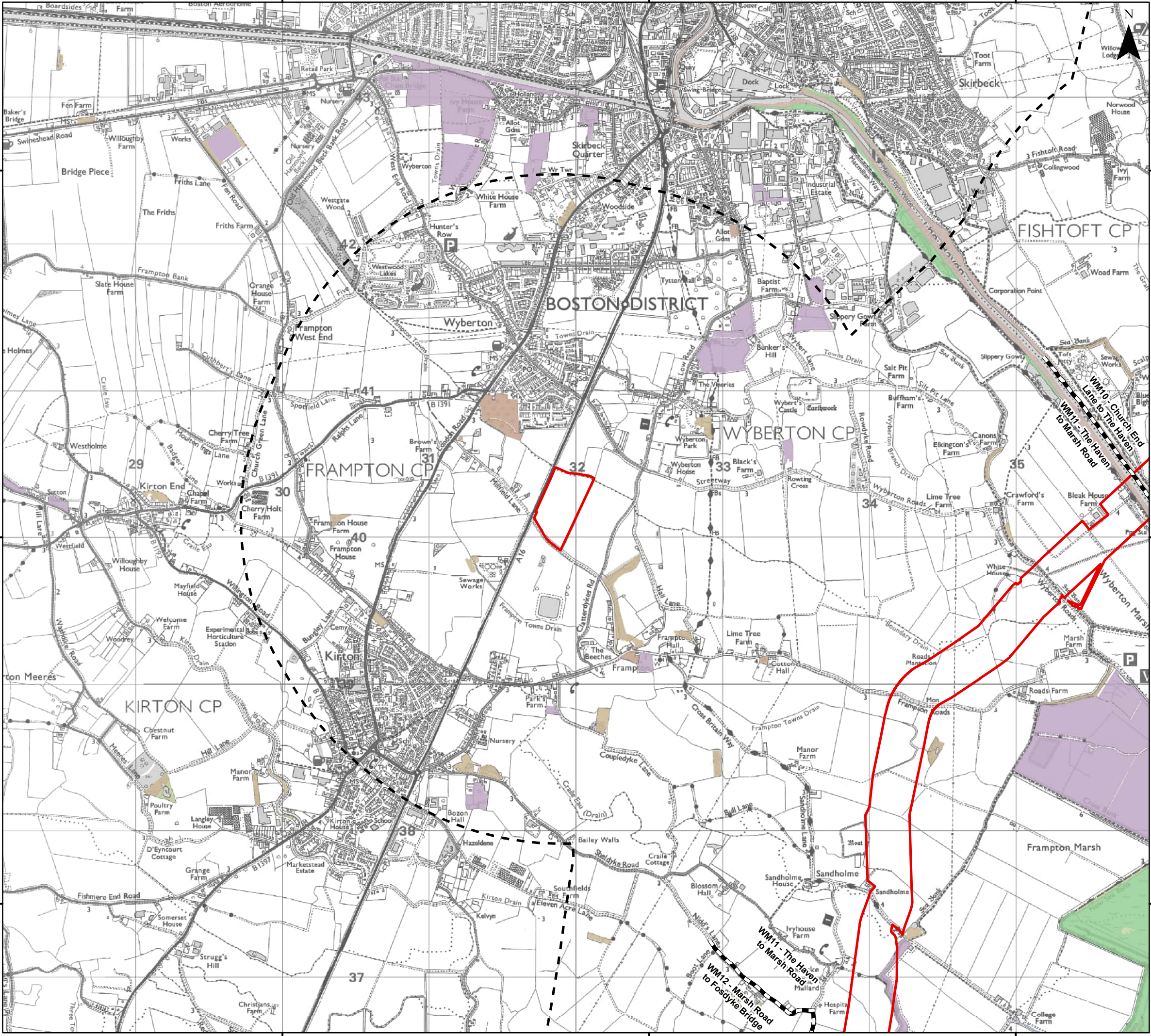
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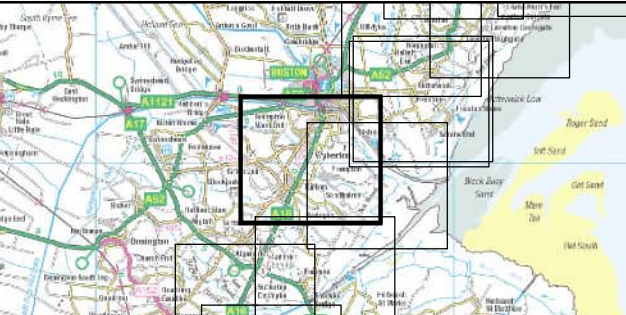
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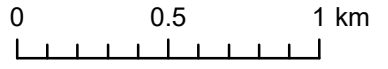
-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Priority Habitat**
-  Coastal and Floodplain Grazing Marsh
-  Coastal Saltmarsh
-  Deciduous Woodland
-  Mudflats
-  No Main Habitat but Additional Habitats Present
-  Saline Lagoons
-  Traditional Orchard



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Preliminary Environmental Information Report

Weston Marsh  
 Important Sites and Habitats

Figure 21.10.9



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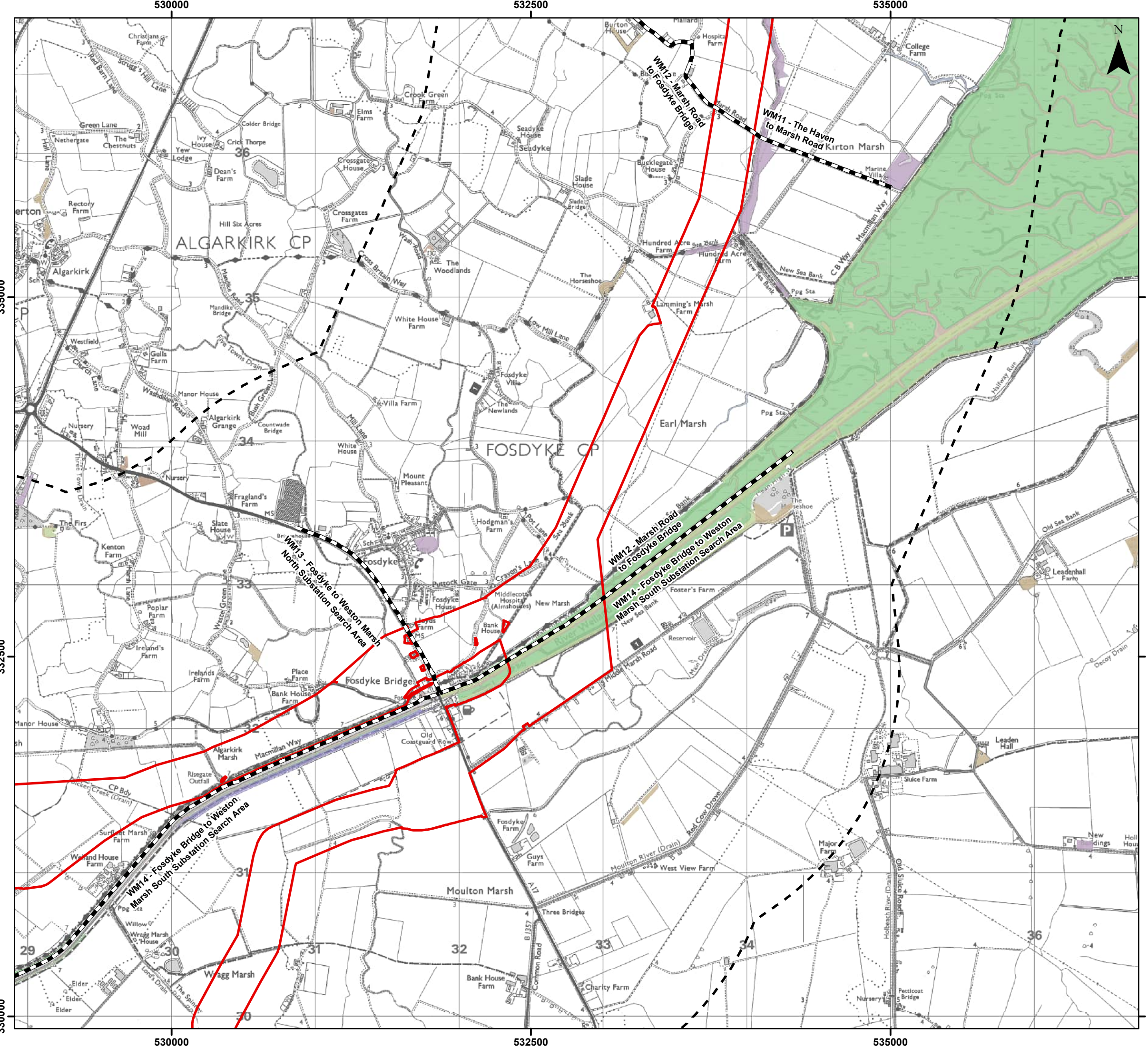
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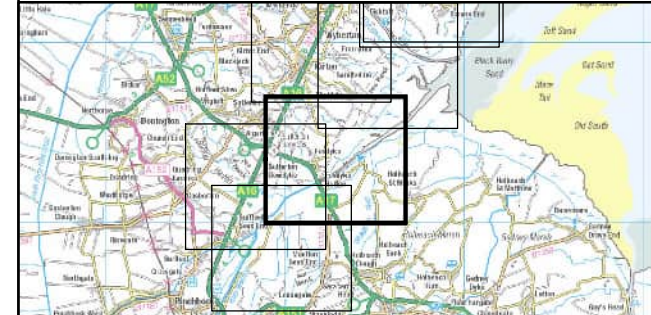
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

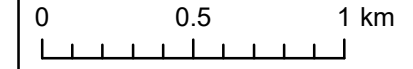
#### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Lowland Calcareous Grassland
- Mudflats
- No Main Habitat but Additional Habitats Present
- Saline Lagoons
- Traditional Orchard

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Weston Marsh  
 Important Sites and Habitats

Figure 21.10.10

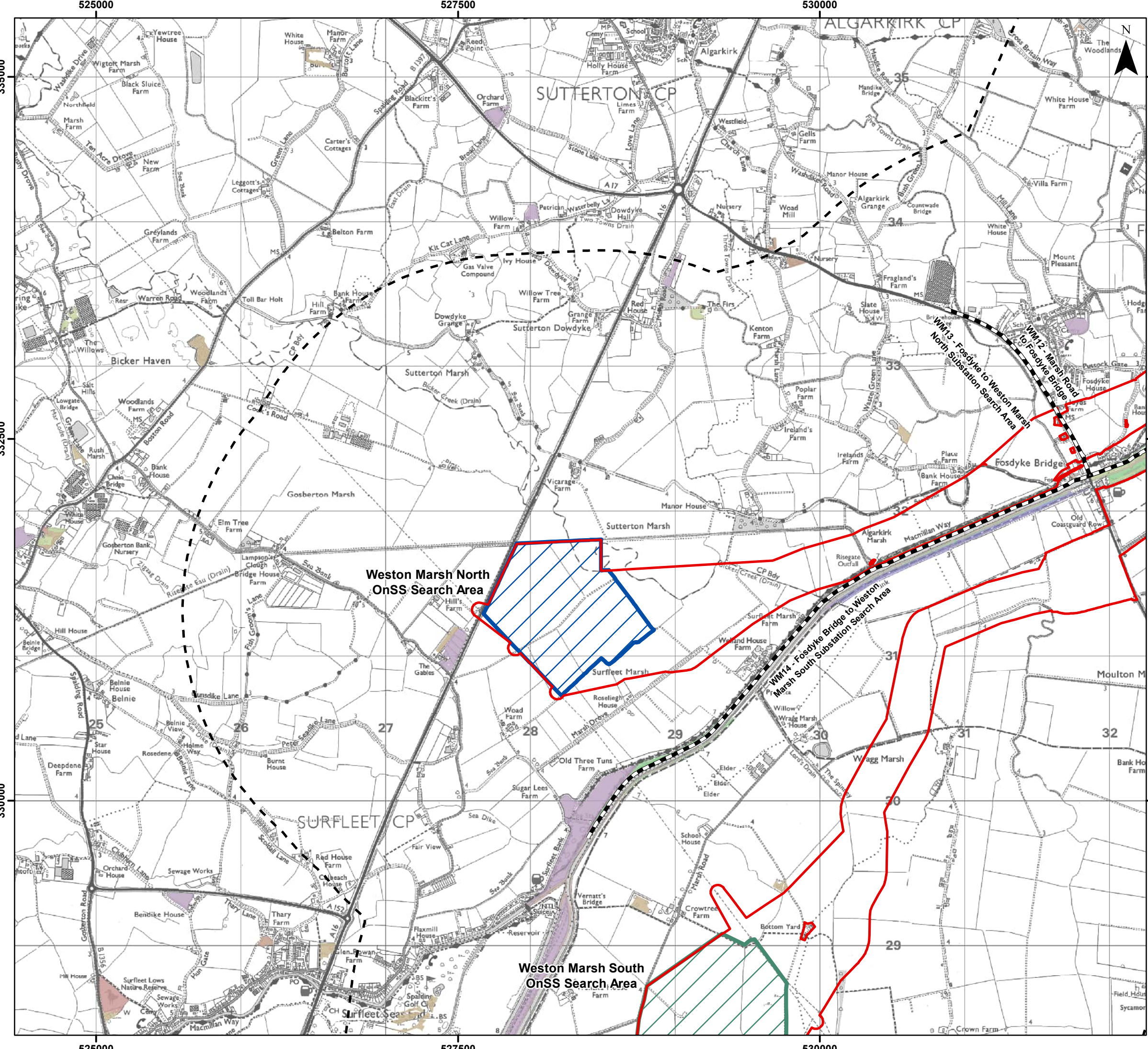


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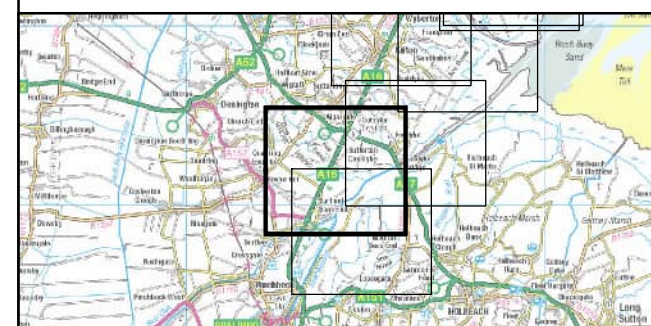
### Legend

- Onshore PEIR Boundary
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

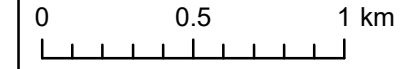
### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- Lowland Calcareous Grassland
- Mudflats
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Weston Marsh  
 Important Sites and Habitats

Figure 21.10.11

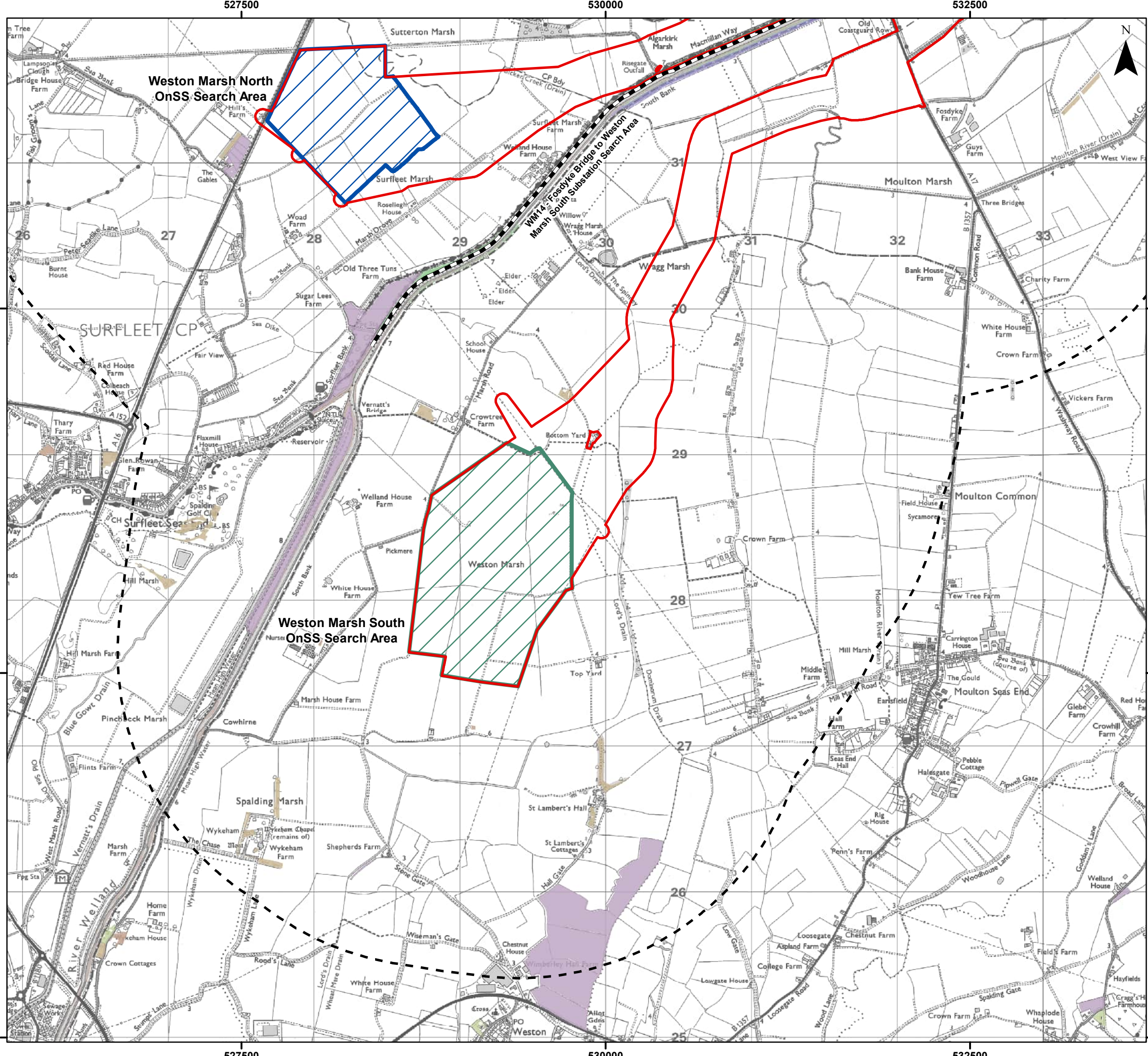


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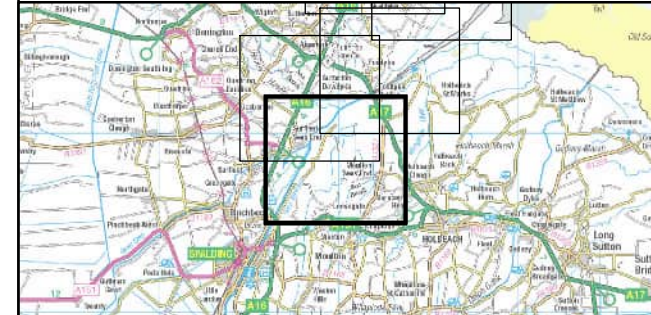
### Legend

- Onshore PEIR Boundary
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

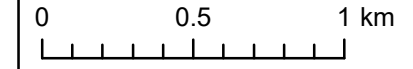
### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Lowland Calcareous Grassland
- Mudflats
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Weston Marsh  
 Important Sites and Habitats

Figure 21.10.12

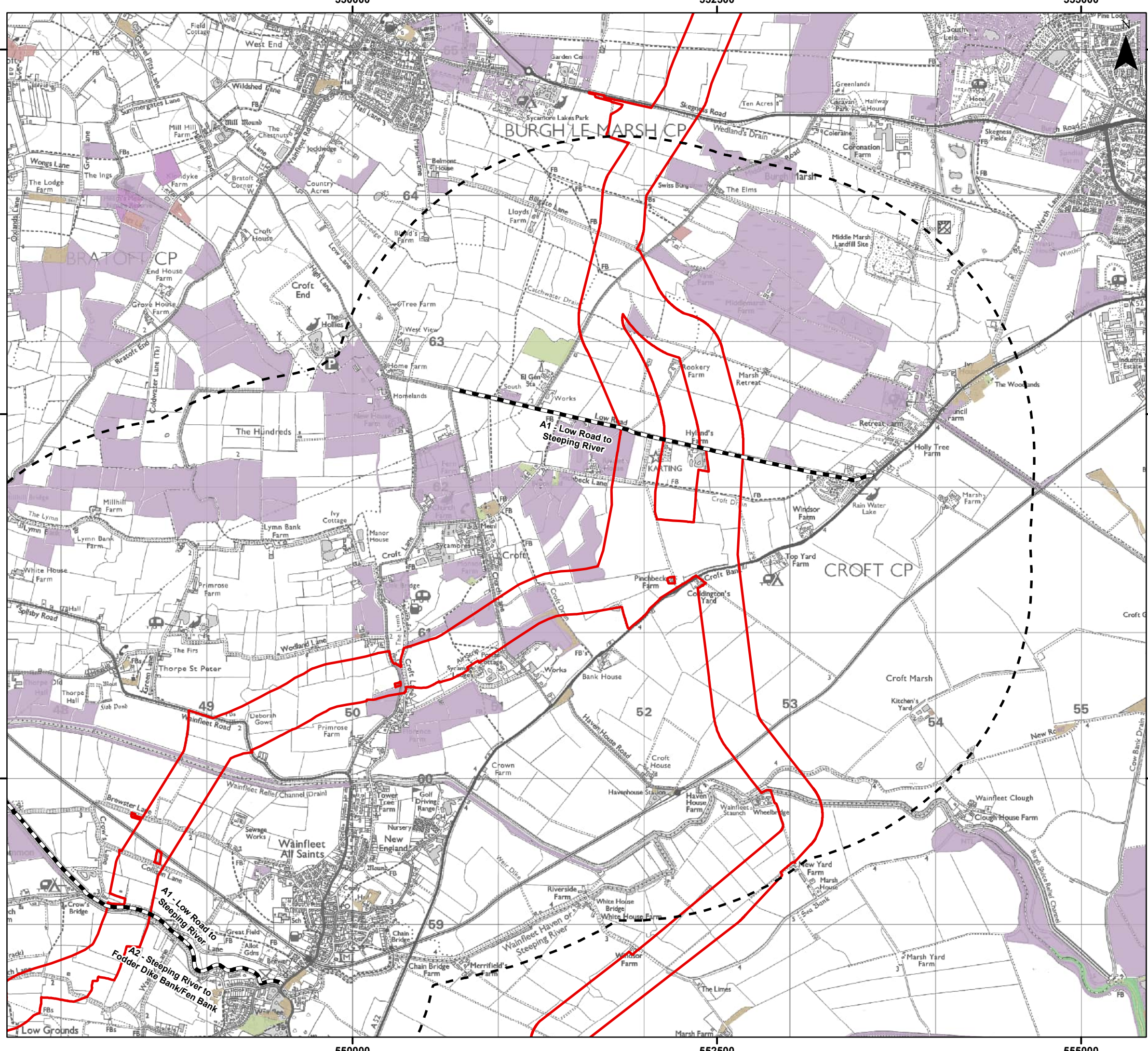


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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

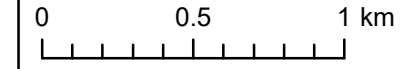
#### Priority Habitat

- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- Lowland Meadows
- Mudflats
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Weston Marsh  
 Important Sites and Habitats

Figure 21.10.13



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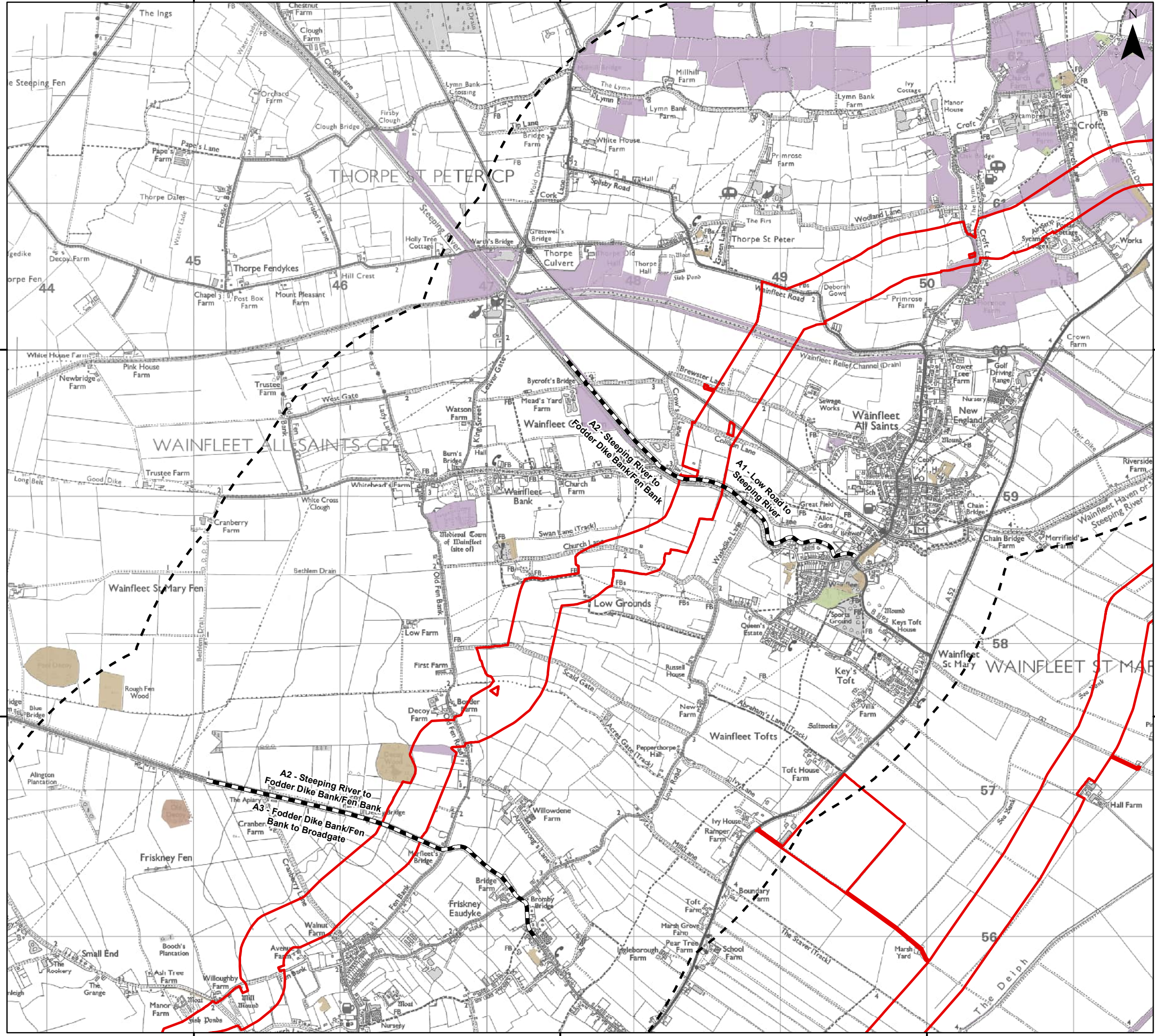
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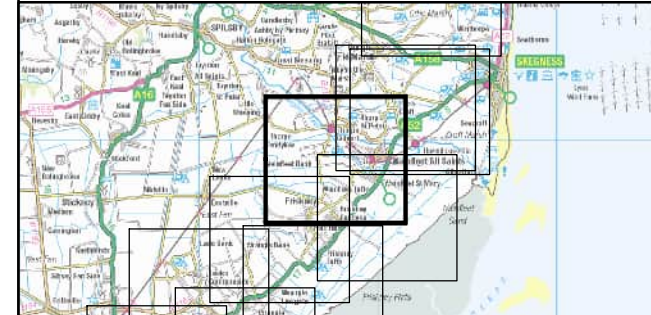
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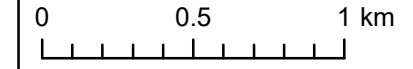
### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
- Deciduous Woodland
- Good Quality Semi-improved Grassland
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Weston Marsh  
 Important Sites and Habitats

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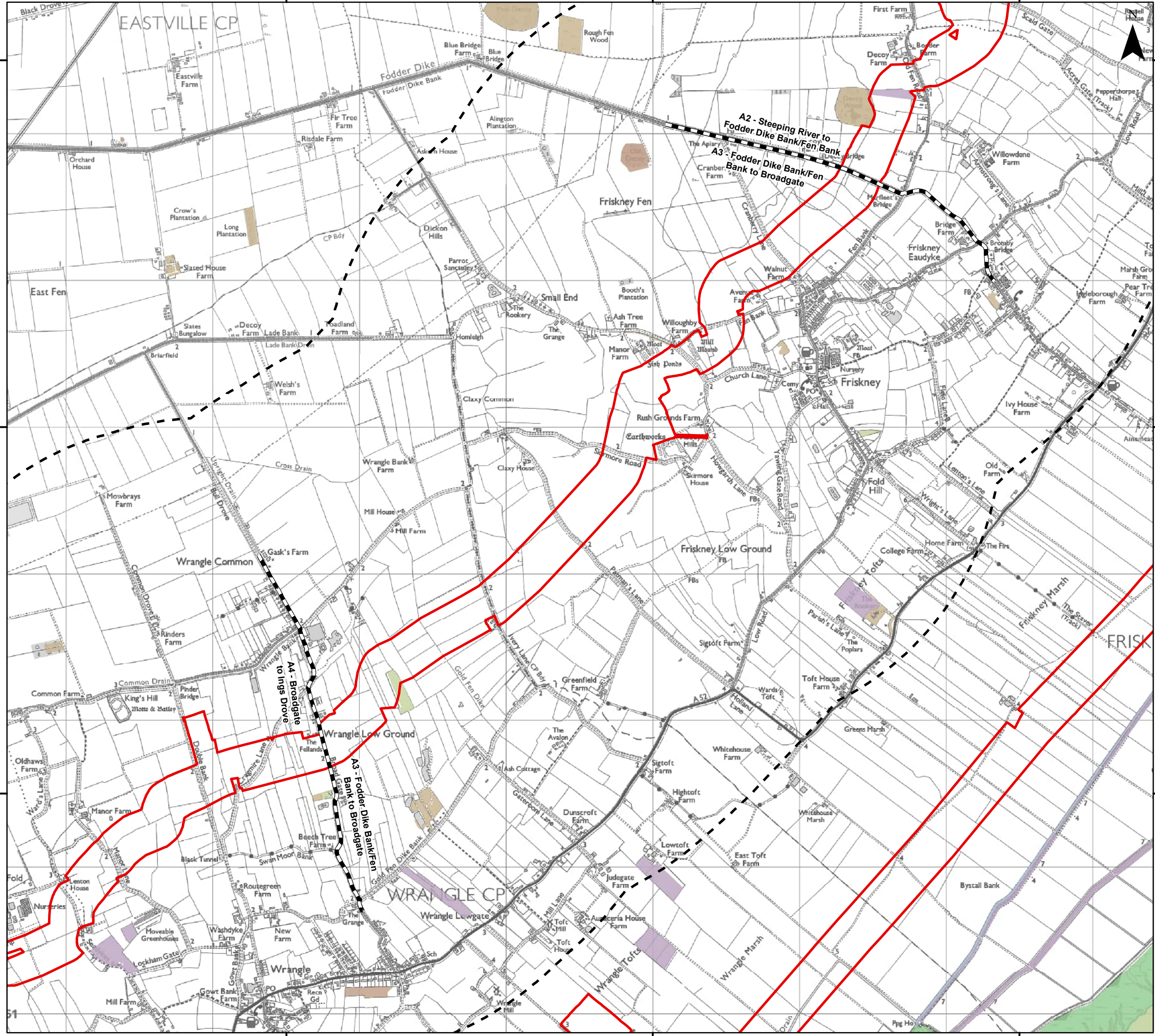
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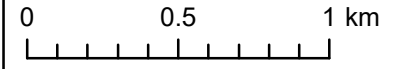
### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- No Main Habitat but Additional Habitats Present
- Saline Lagoons
- Traditional Orchard

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### Preliminary Environmental Information Report

### Weston Marsh Important Sites and Habitats

Figure 21.10.15

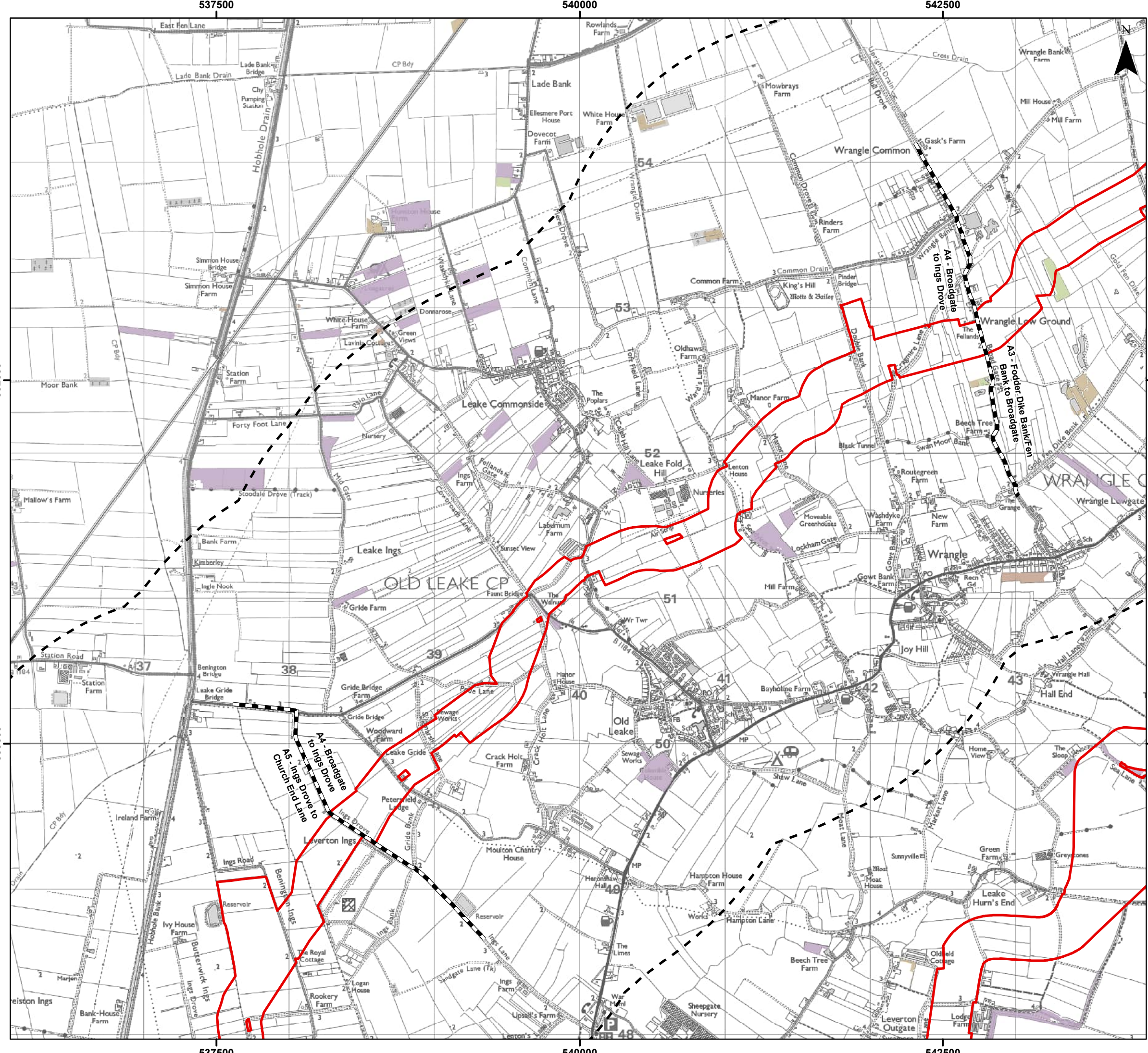


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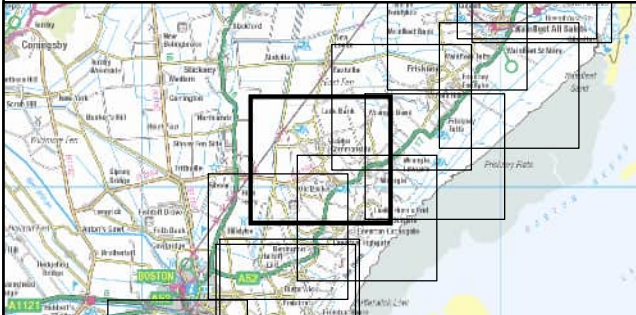
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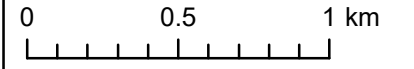
**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
- Deciduous Woodland
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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Weston Marsh  
Important Sites and Habitats

Figure 21.10.16

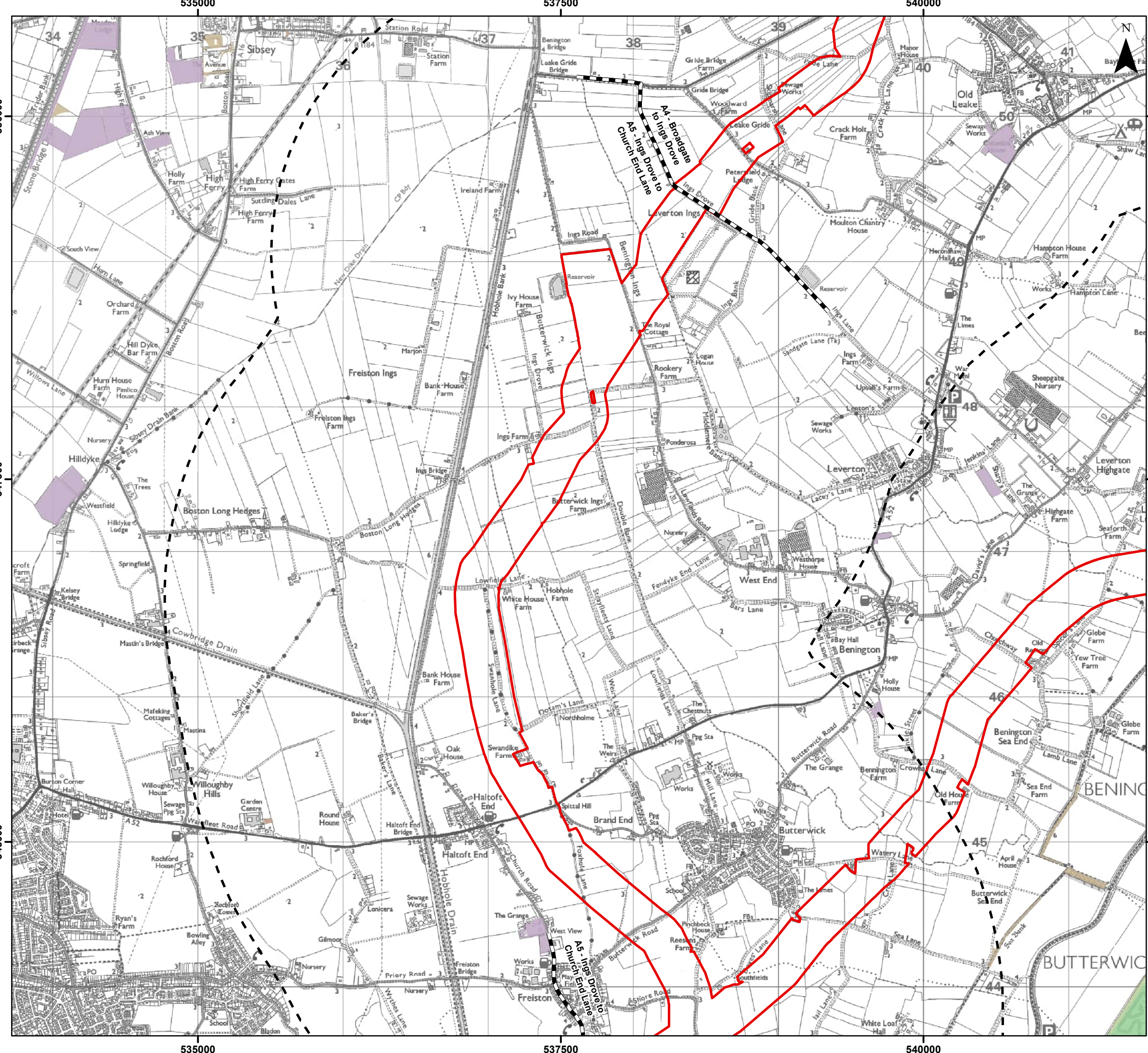


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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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 Weston Marsh  
 Important Sites and Habitats  
 Figure 21.10.17

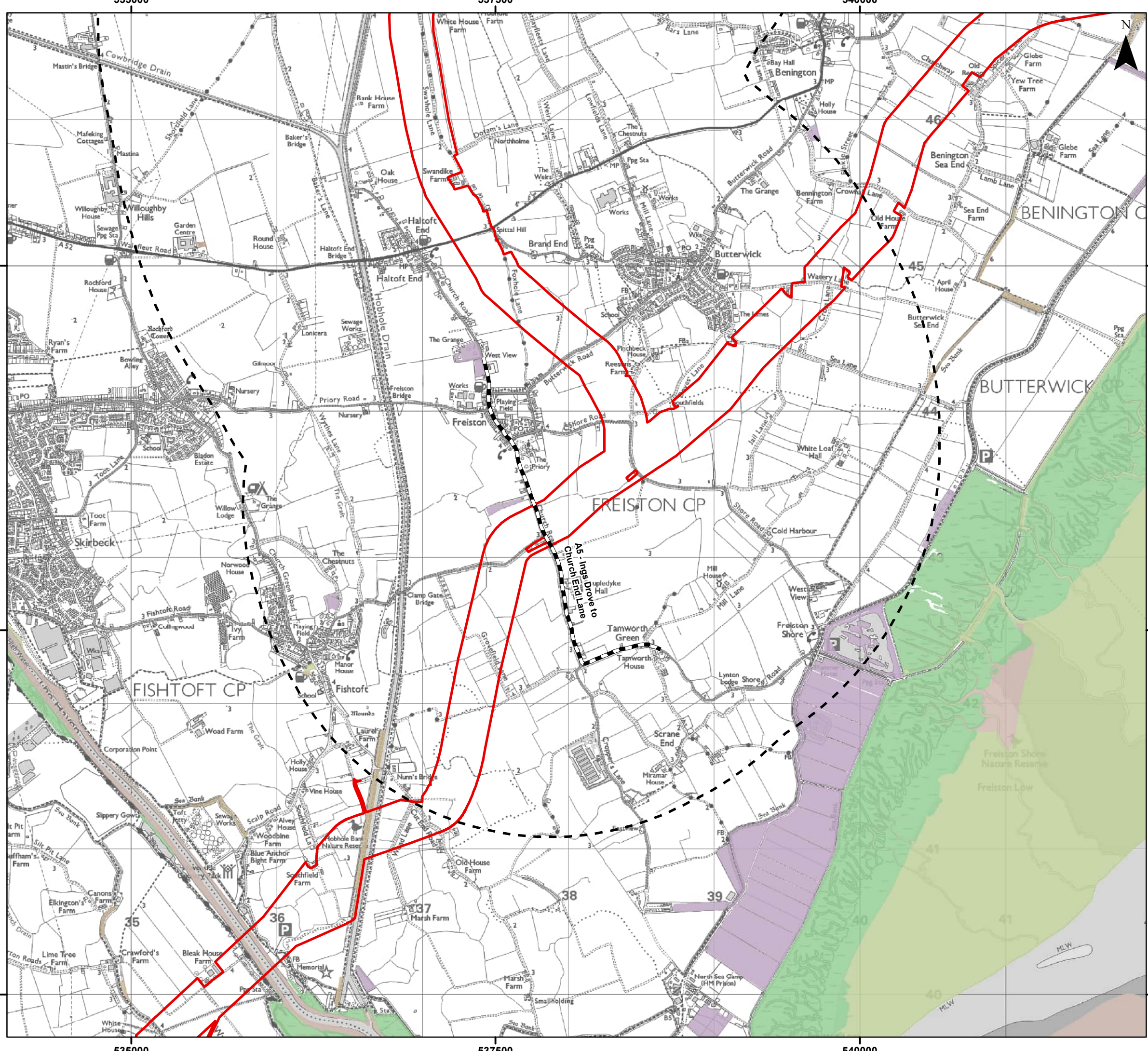


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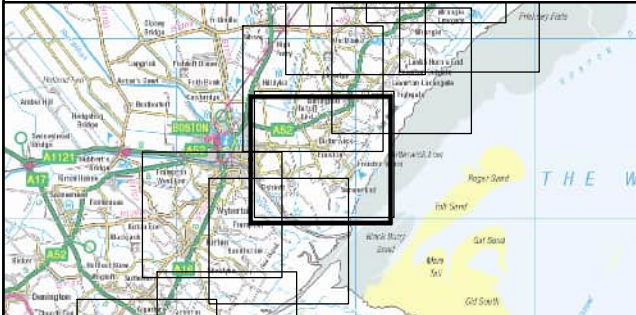
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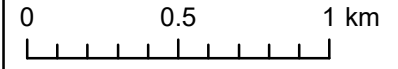
**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Priority Habitat**
- Coastal and Floodplain Grazing Marsh
- Coastal Saltmarsh
- Deciduous Woodland
- Mudflats
- No Main Habitat but Additional Habitats Present
- Traditional Orchard

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**Weston Marsh Important Sites and Habitats**

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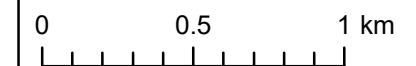
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
-  Watercourses within 250 m of the PEIR Boundary
-  Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



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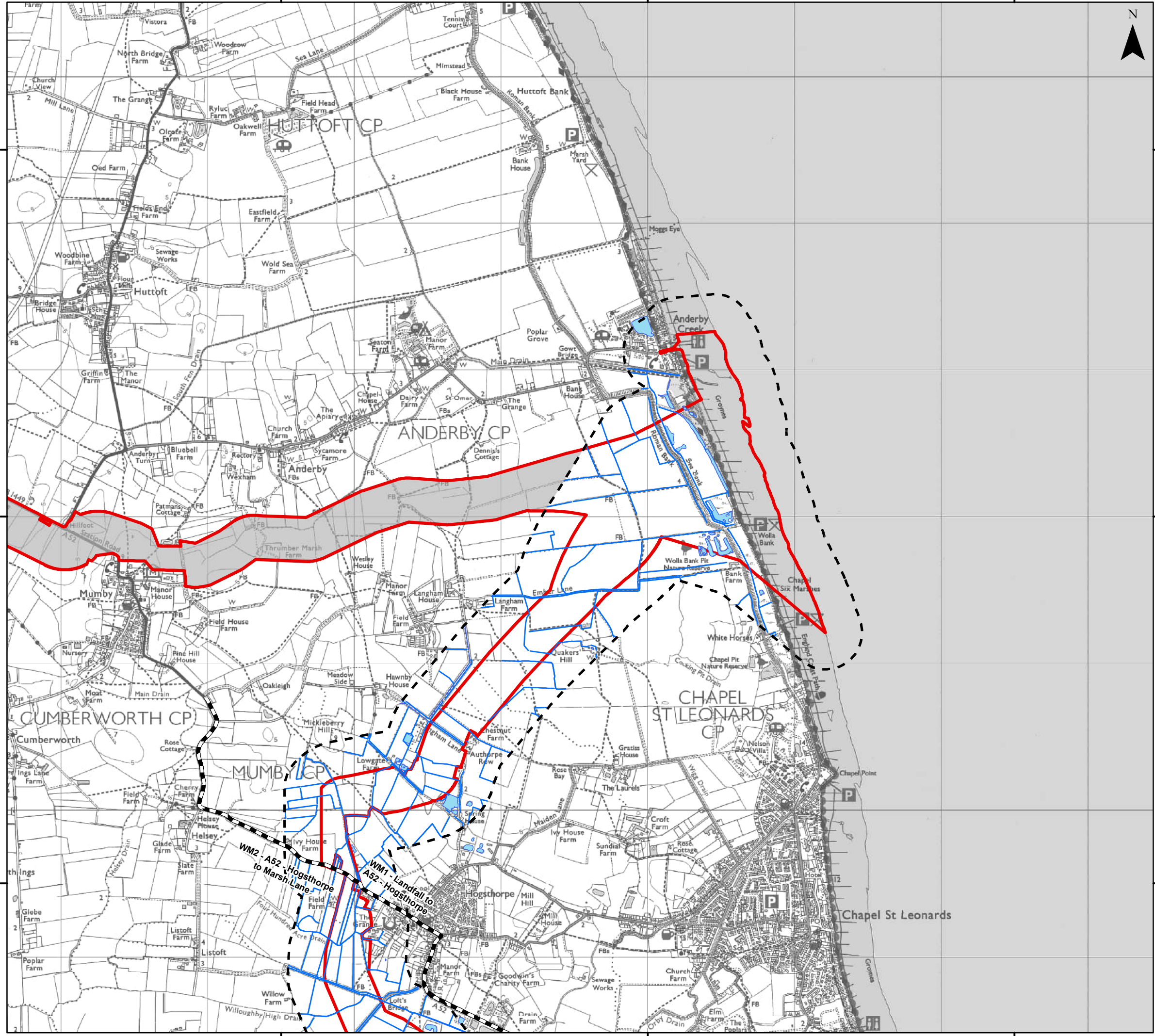
Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.1



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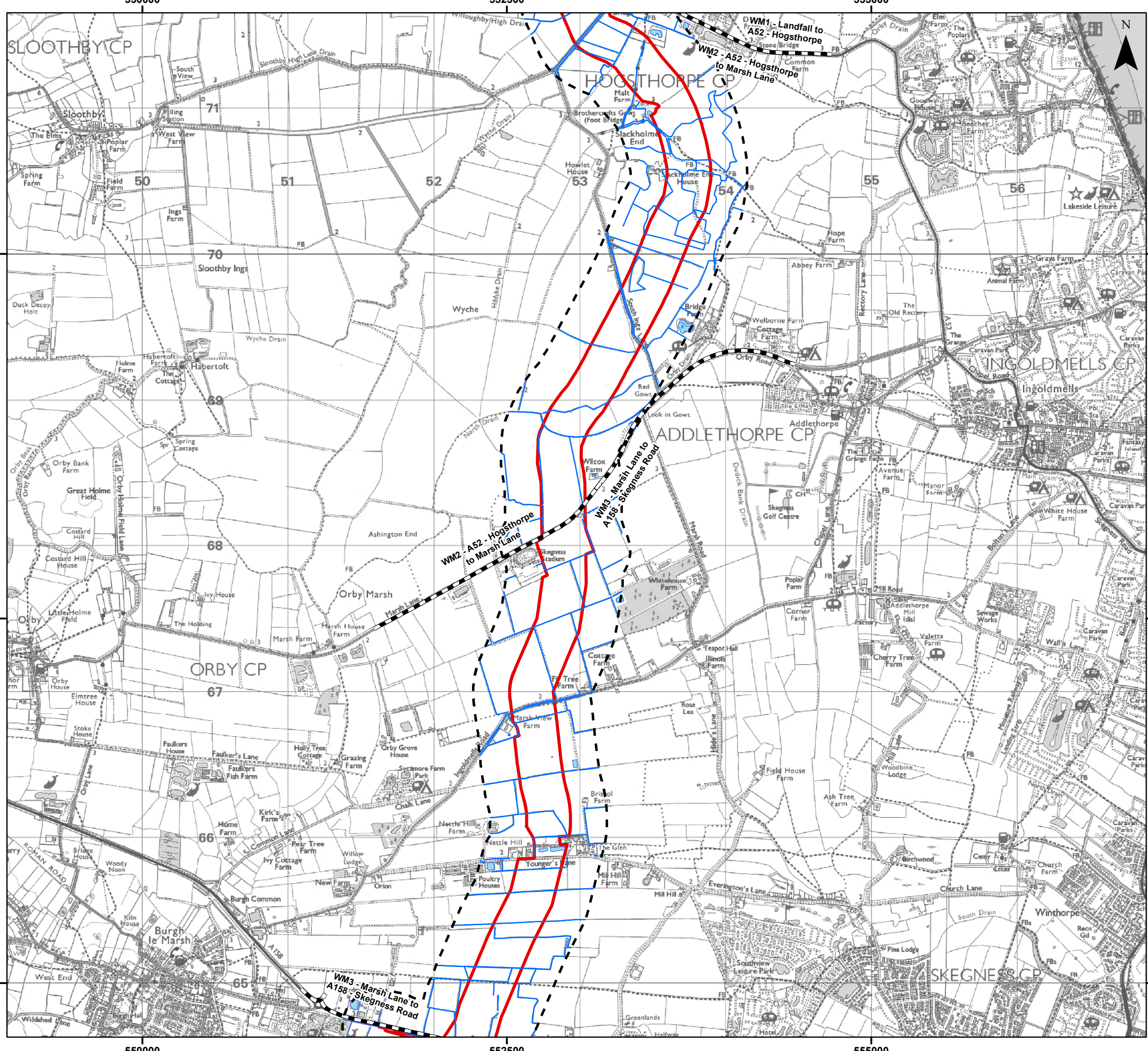
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Watercourses and Waterbodies within 250m of PEIR Boundary  
 Figure 21.11.2

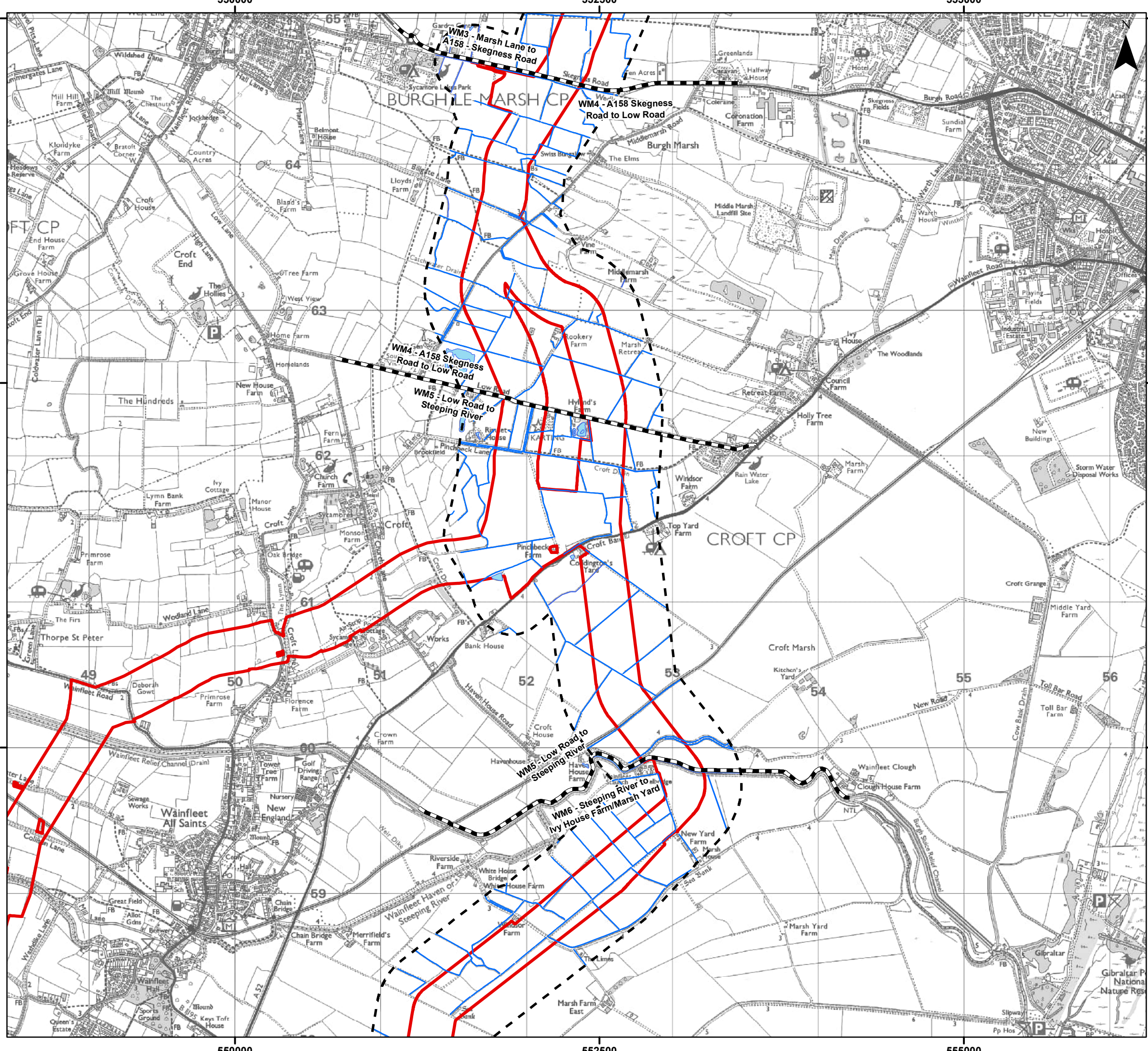


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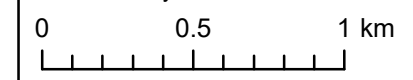


- ### Legend
- ▭ Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
  - Watercourses within 250 m of the PEIR Boundary
  - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.3

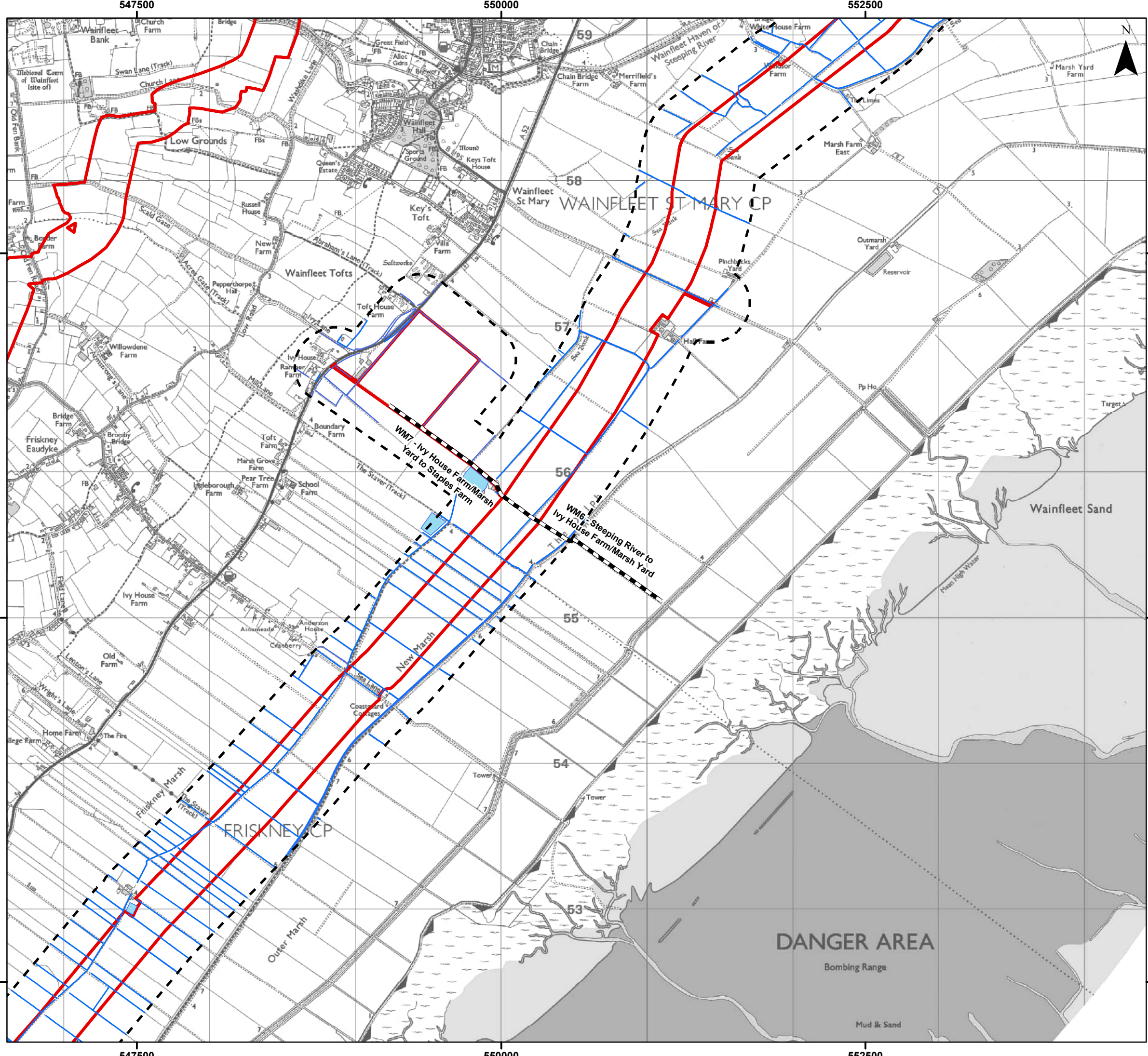


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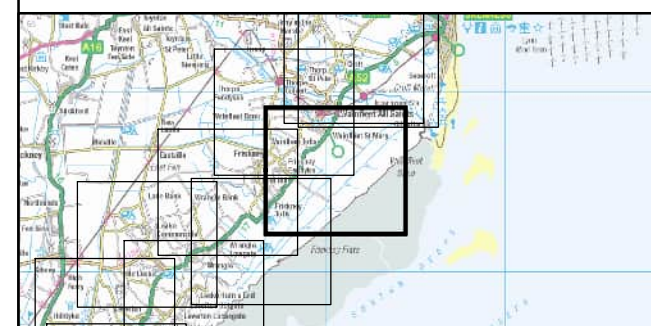
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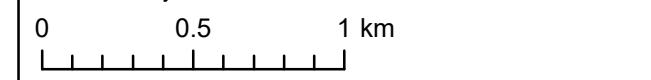


- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
  - Watercourses within 250 m of the PEIR Boundary
  - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.4



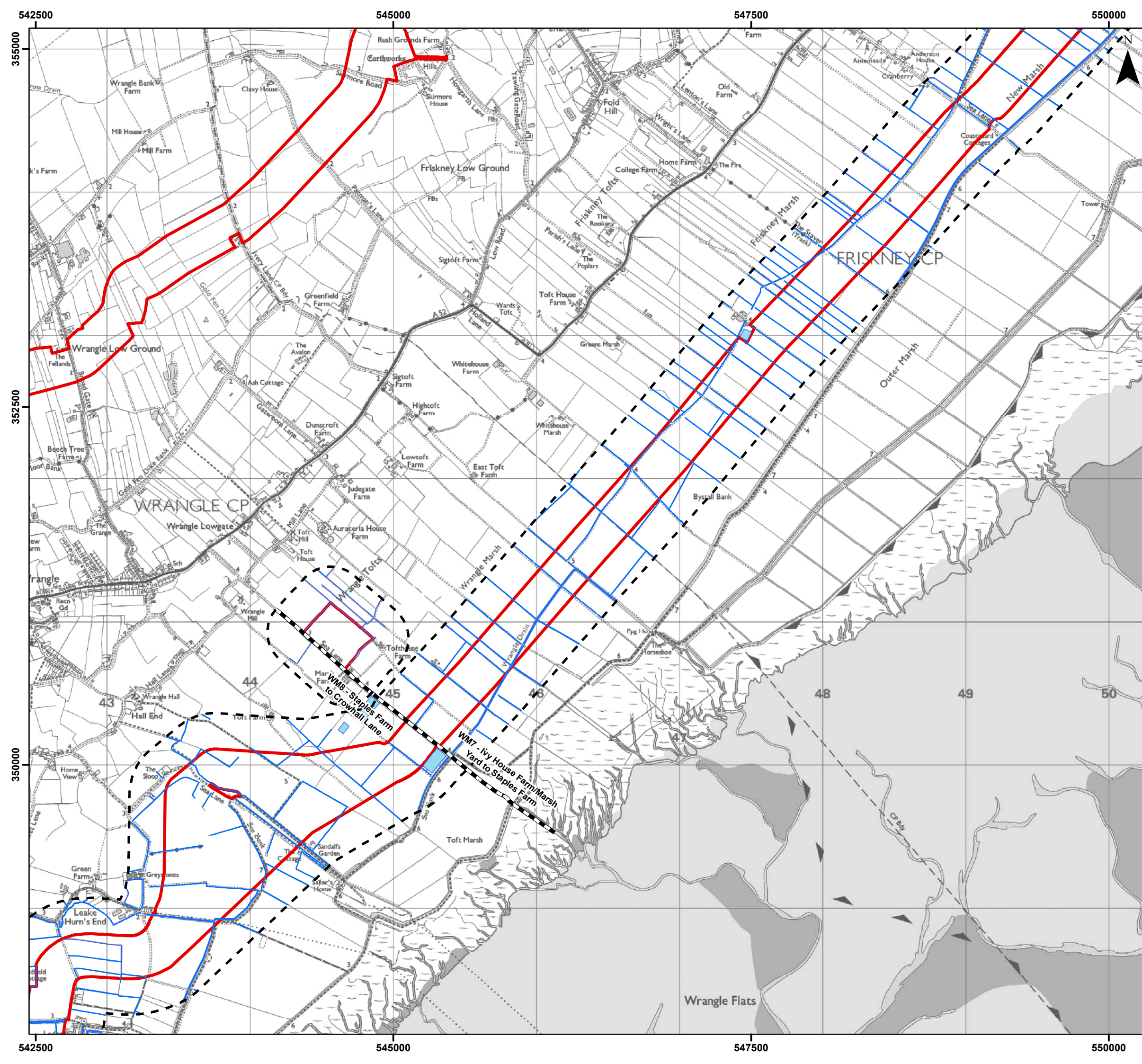
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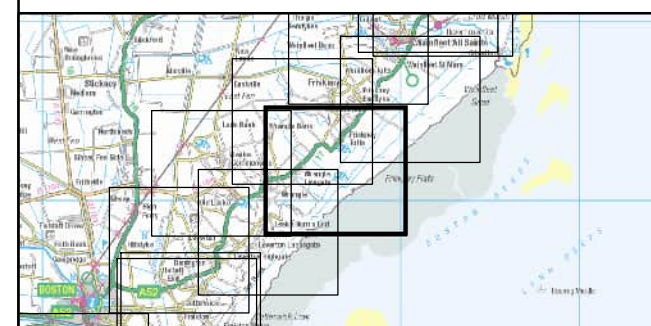




### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Watercourses and Waterbodies within 250m of PEIR Boundary  
 Figure 21.11.5

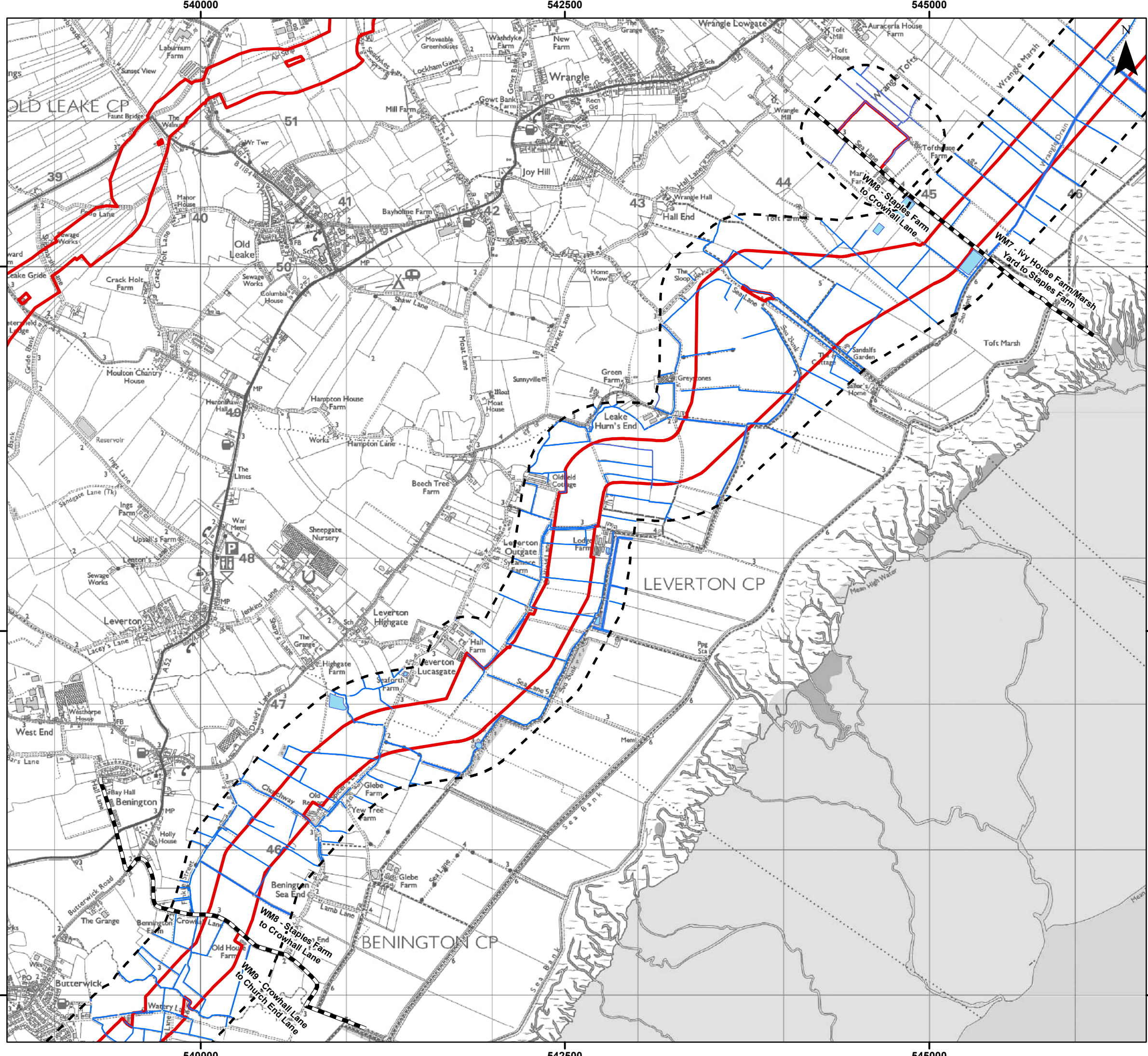


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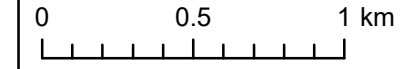
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Watercourses and Waterbodies within  
250m of PEIR Boundary  
Figure 21.11.6

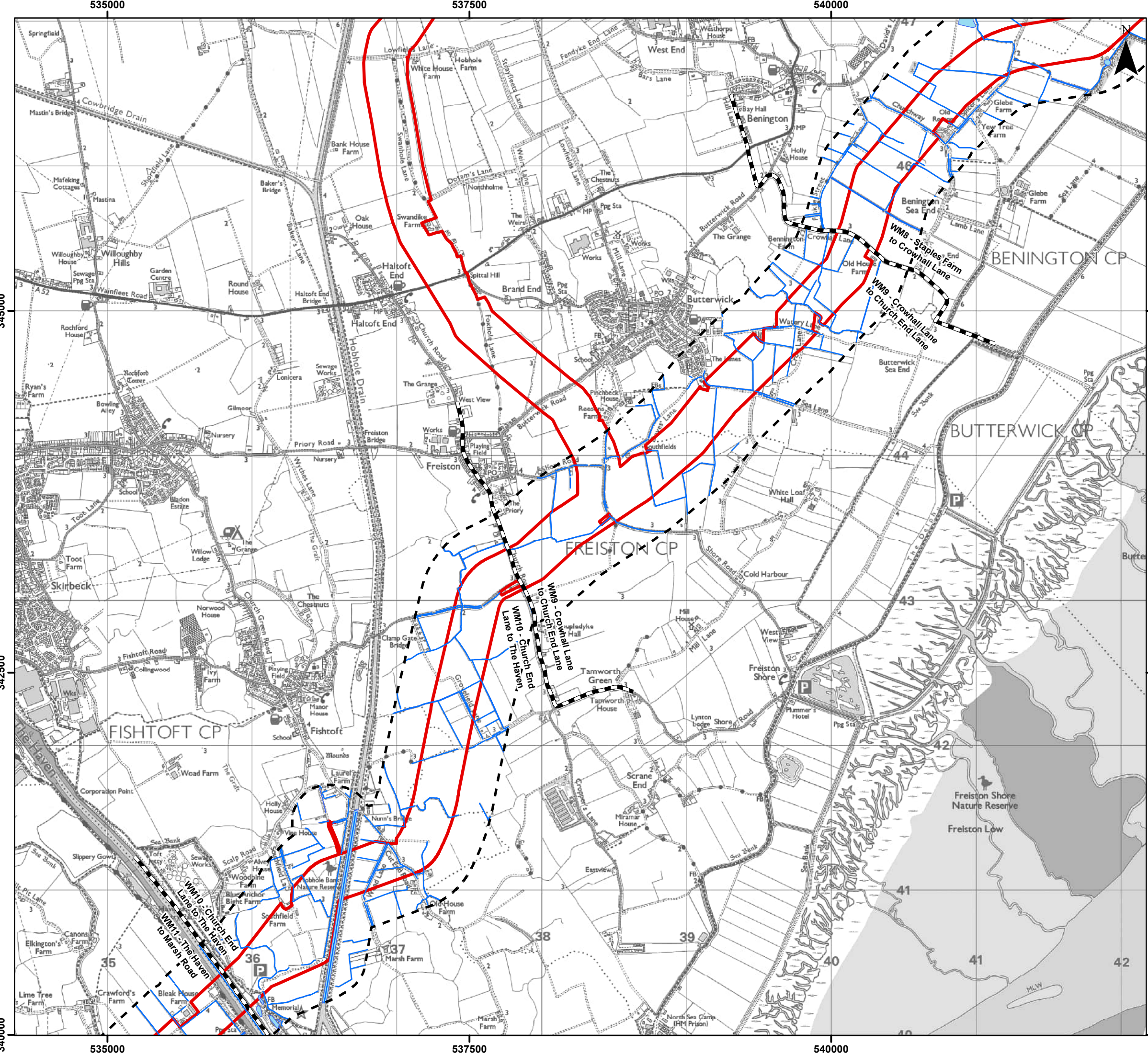


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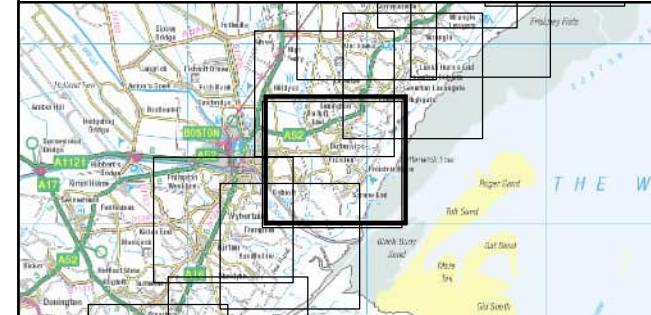
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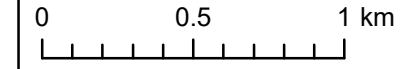


- ### Legend
- ▬ Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
  - ▬ Watercourses within 250 m of the PEIR Boundary
  - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Watercourses and Waterbodies within  
250m of PEIR Boundary  
Figure 21.11.7

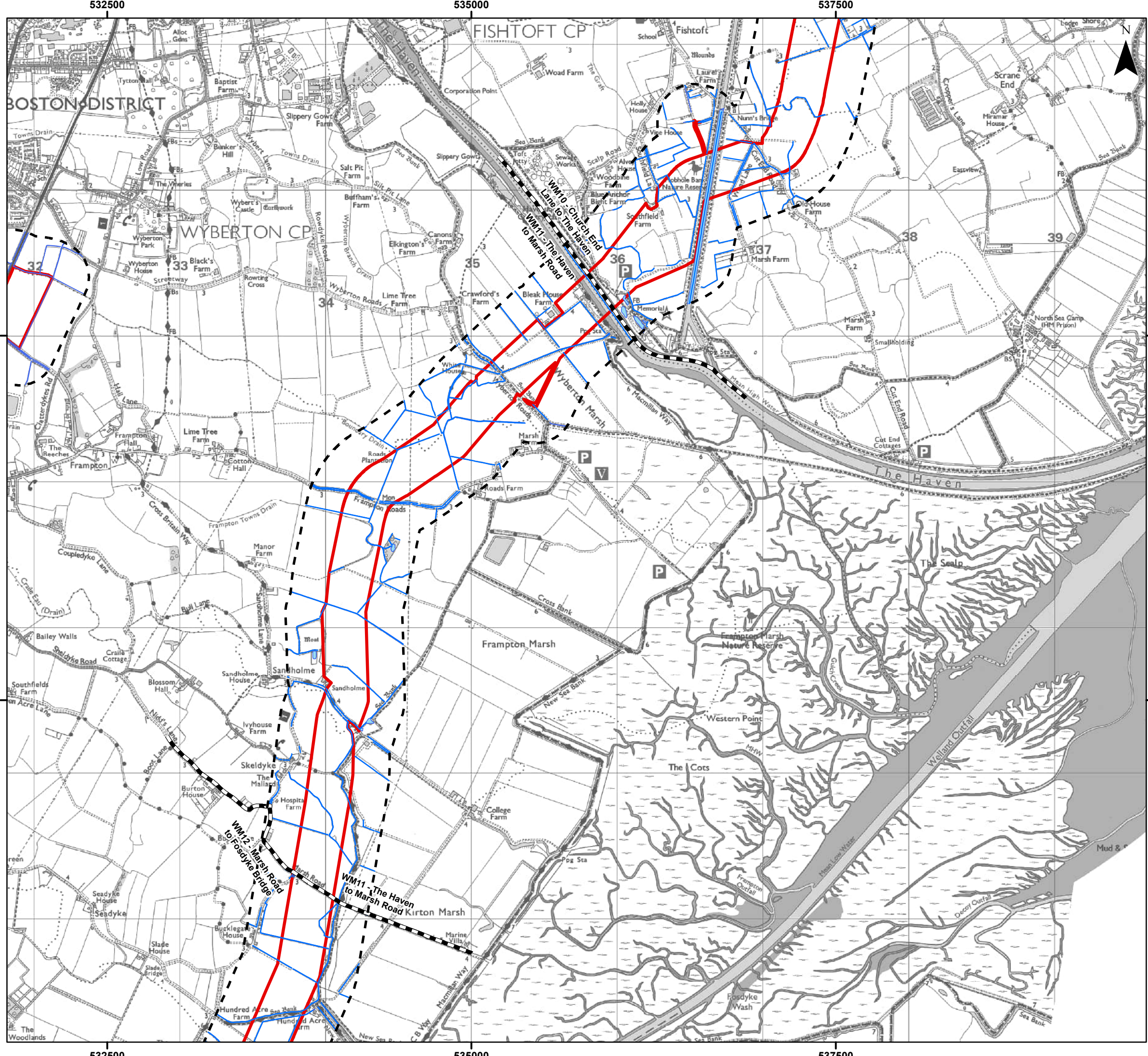


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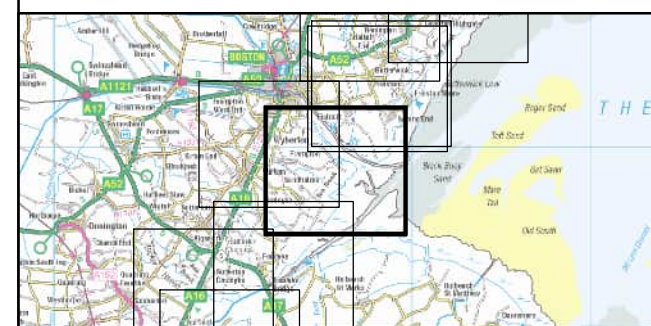
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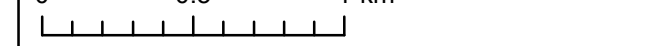


- ### Legend
- ▭ Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
  - Watercourses within 250 m of the PEIR Boundary
  - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.8



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


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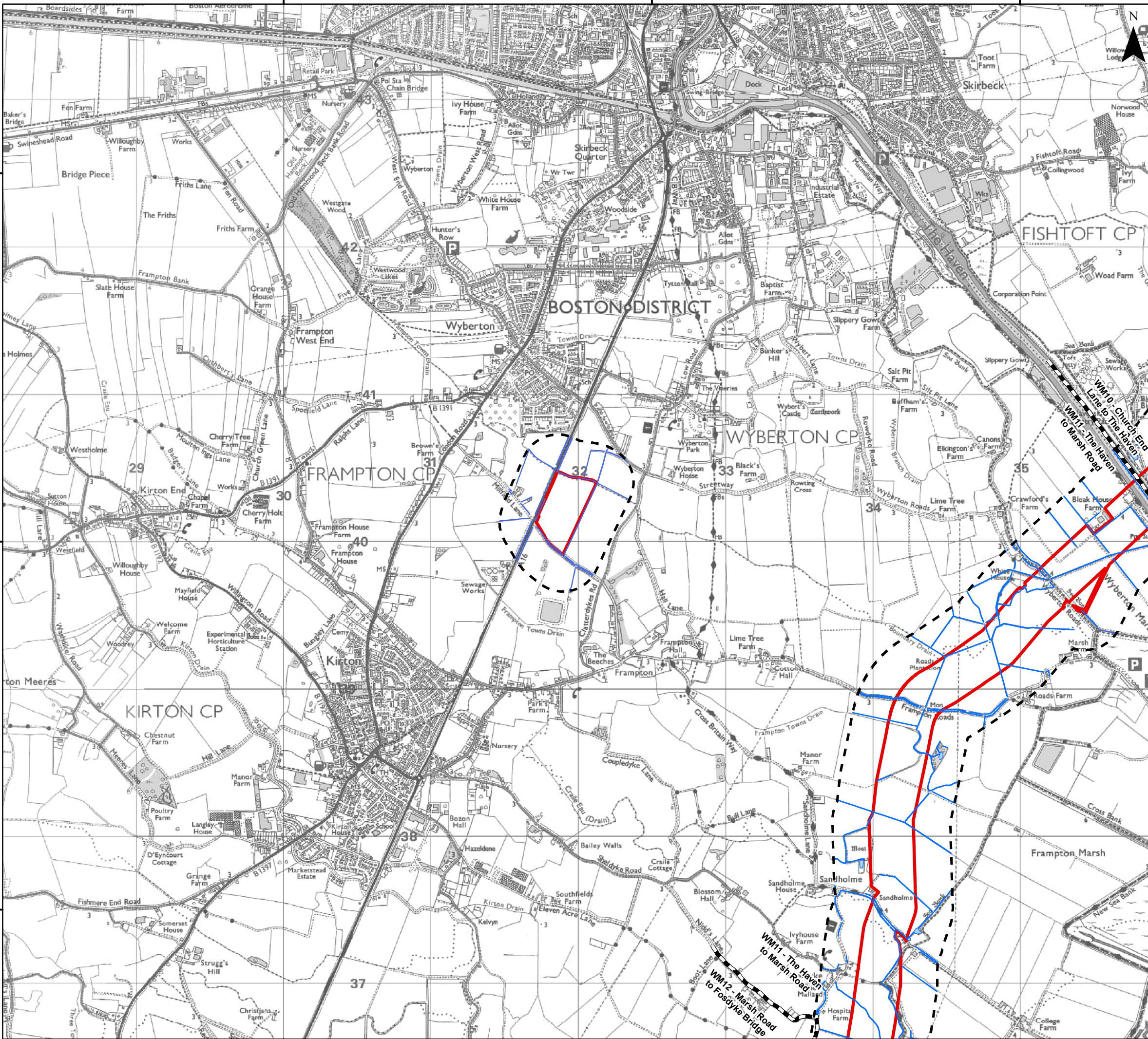
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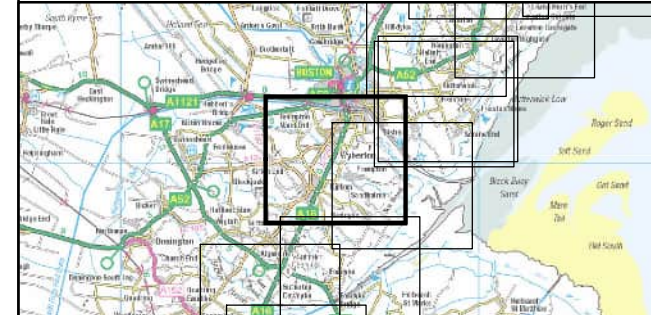
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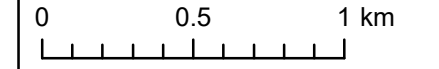
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-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
-  Watercourses within 250 m of the PEIR Boundary
-  Waterbodies within 250 m of the PEIR Boundary



Sources:



Coordinate System: British National Grid



Scale: 1:25,000

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Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.9



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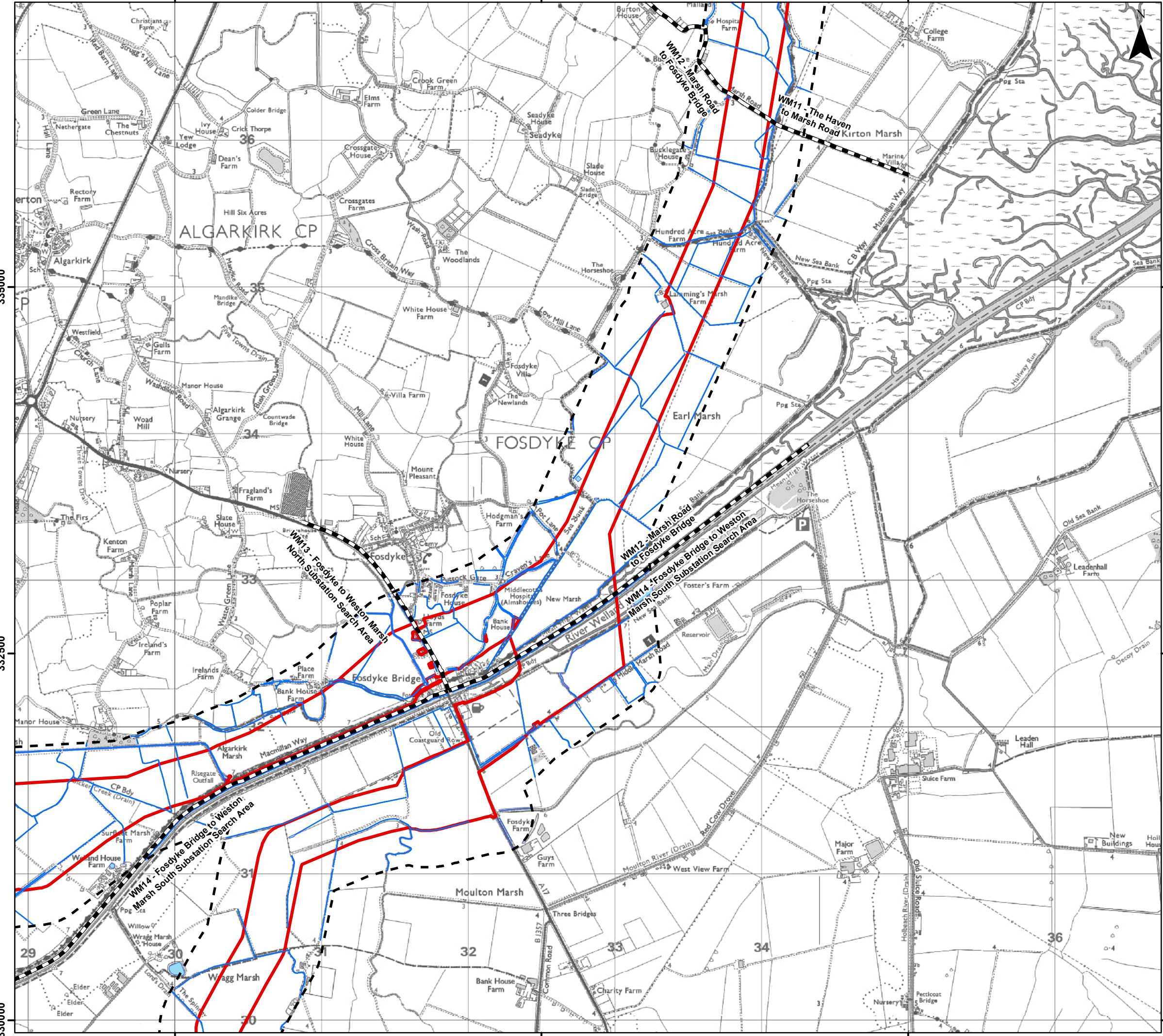
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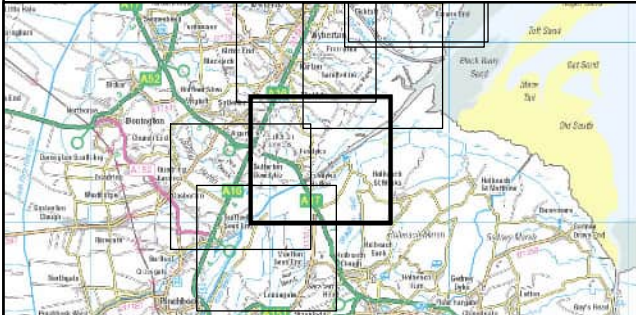
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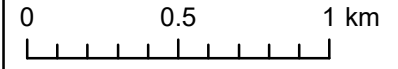
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.10

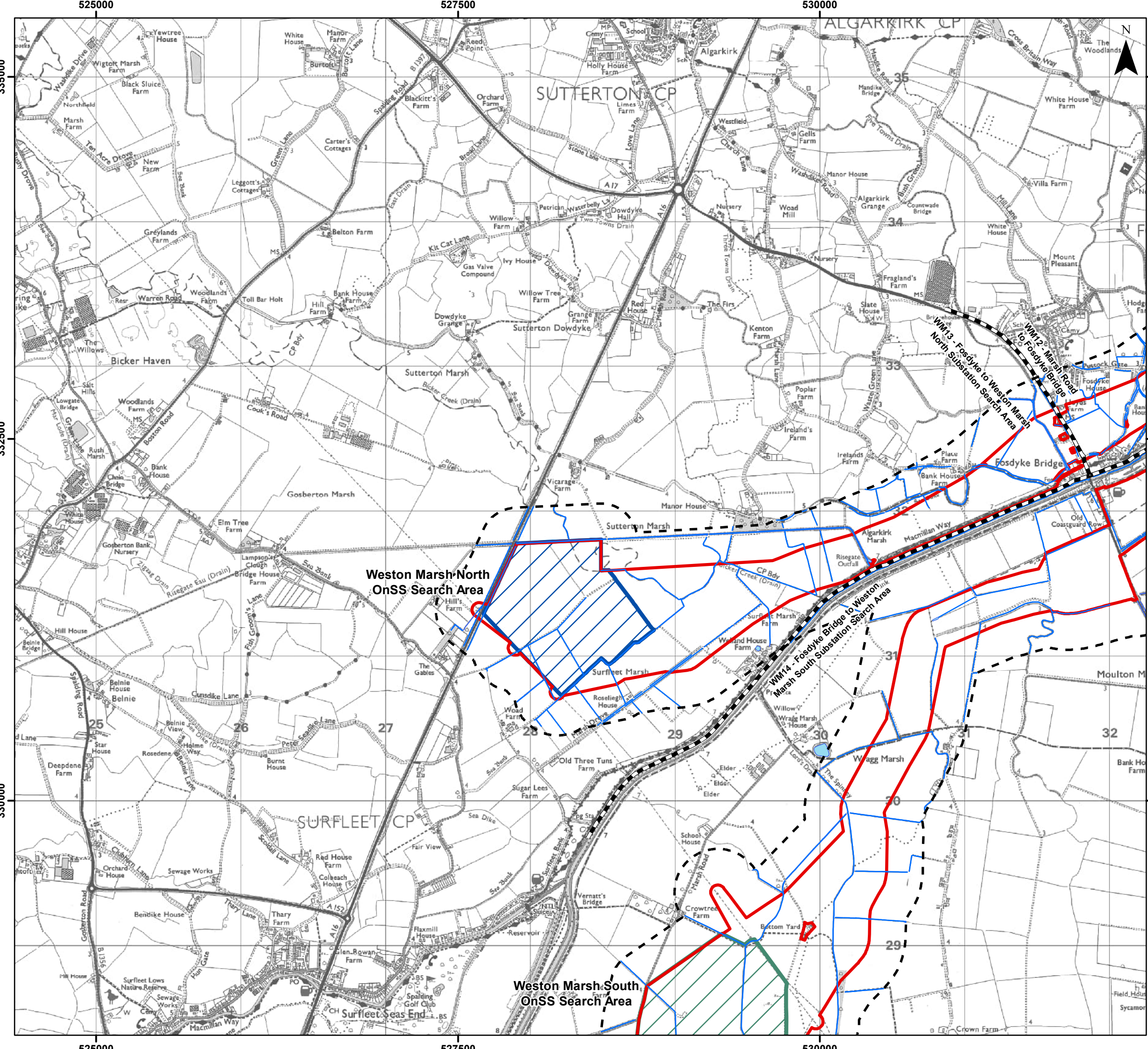


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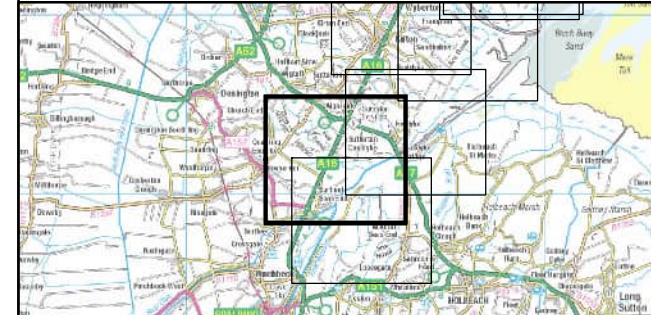
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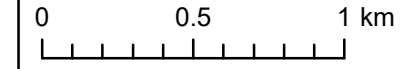


- ### Legend
- ▭ Onshore PEIR Boundary
  - ▭ Weston Marsh North OnSS Search Area
  - ▭ Weston Marsh South OnSS Search Area
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
  - Watercourses within 250 m of the PEIR Boundary
  - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

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Weston Marsh  
Watercourses and Waterbodies within  
250m of PEIR Boundary  
Figure 21.11.11

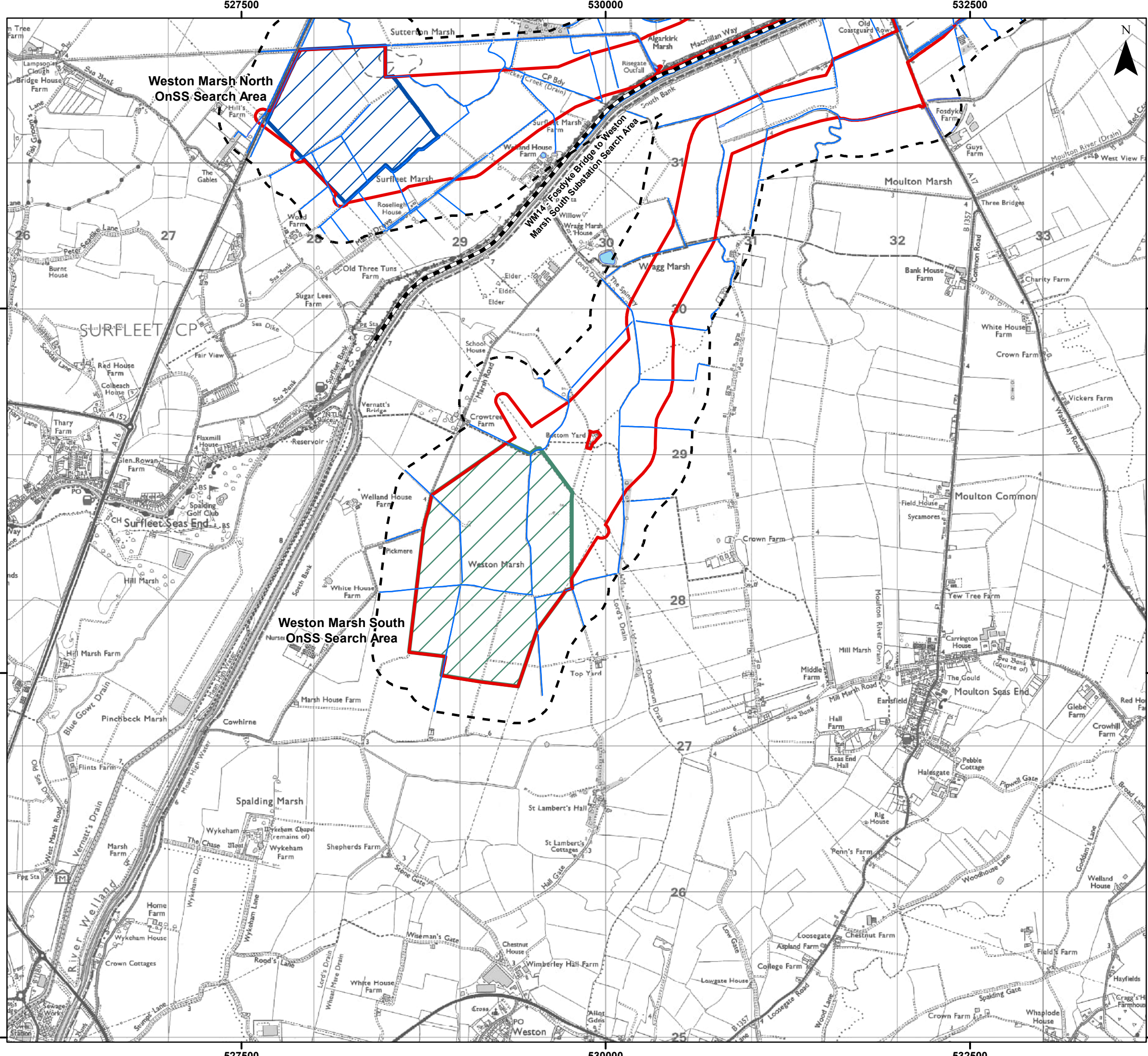


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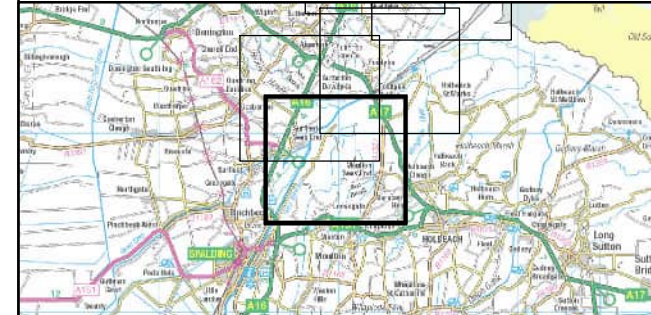
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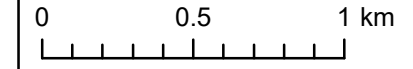


- ### Legend
- ▭ Onshore PEIR Boundary
  - ▭ Weston Marsh North OnSS Search Area
  - ▭ Weston Marsh South OnSS Search Area
  - ▭ Onshore Segment Break
  - ▭ Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
  - Watercourses within 250 m of the PEIR Boundary
  - ▭ Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



Scale: 1:25,000

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Weston Marsh  
Watercourses and Waterbodies within  
250m of PEIR Boundary  
Figure 21.11.12



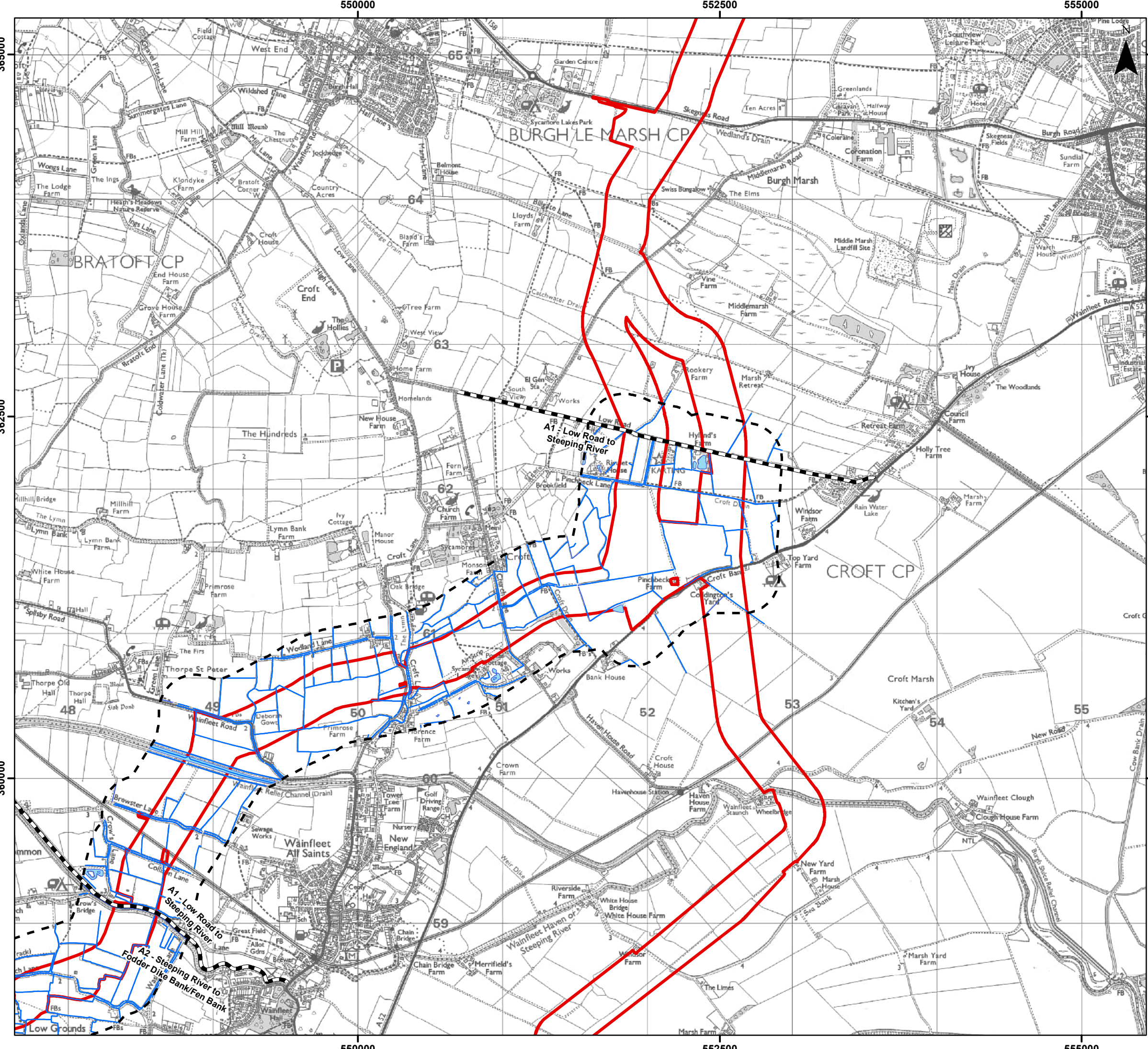
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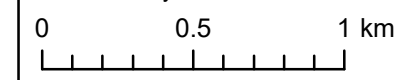
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- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



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Weston Marsh  
Watercourses and Waterbodies within 250m of PEIR Boundary  
Figure 21.11.13



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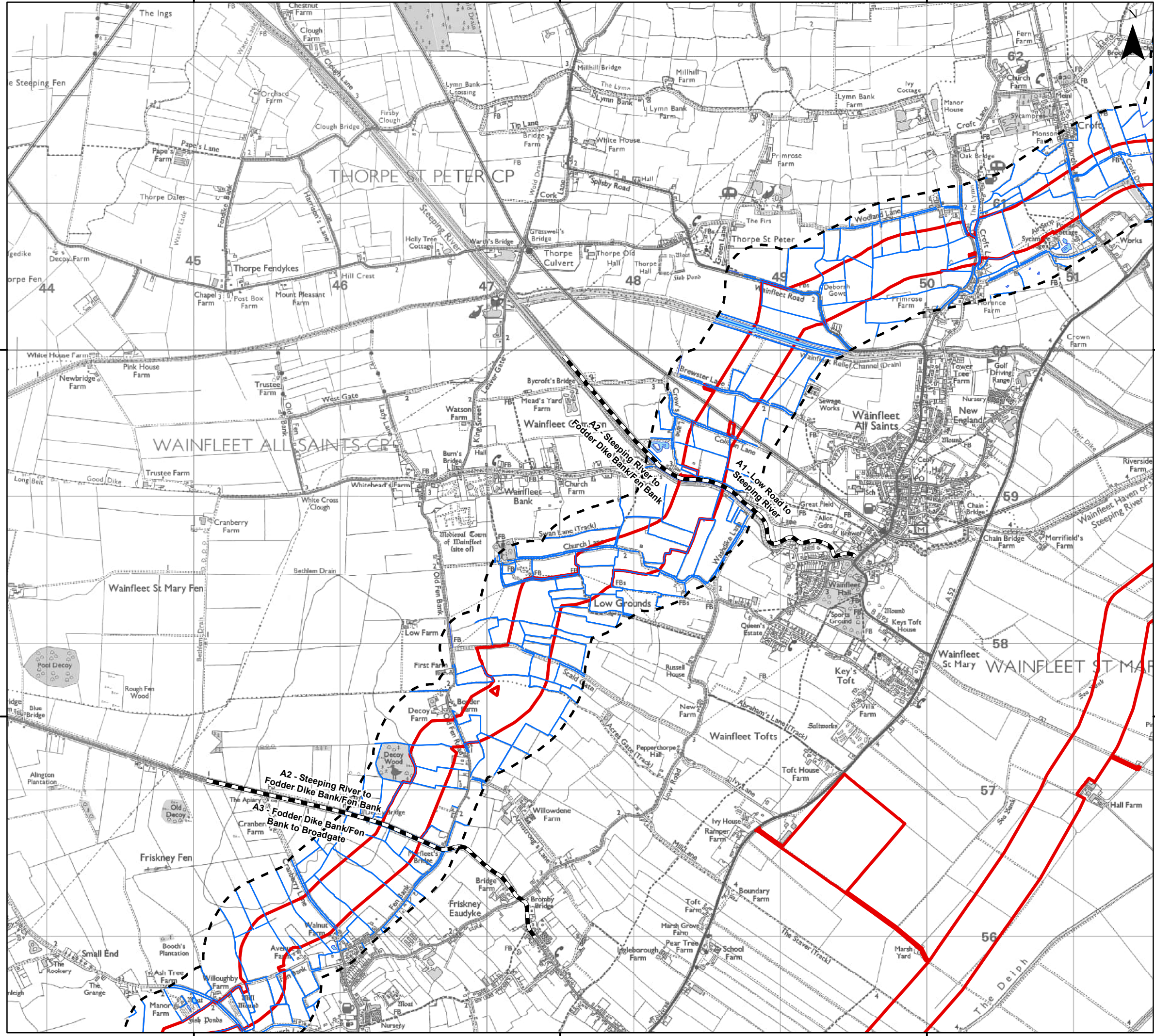
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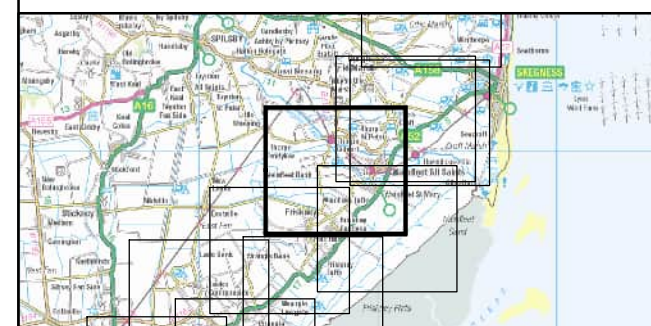
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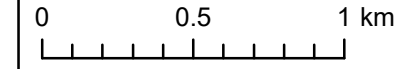
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



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Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
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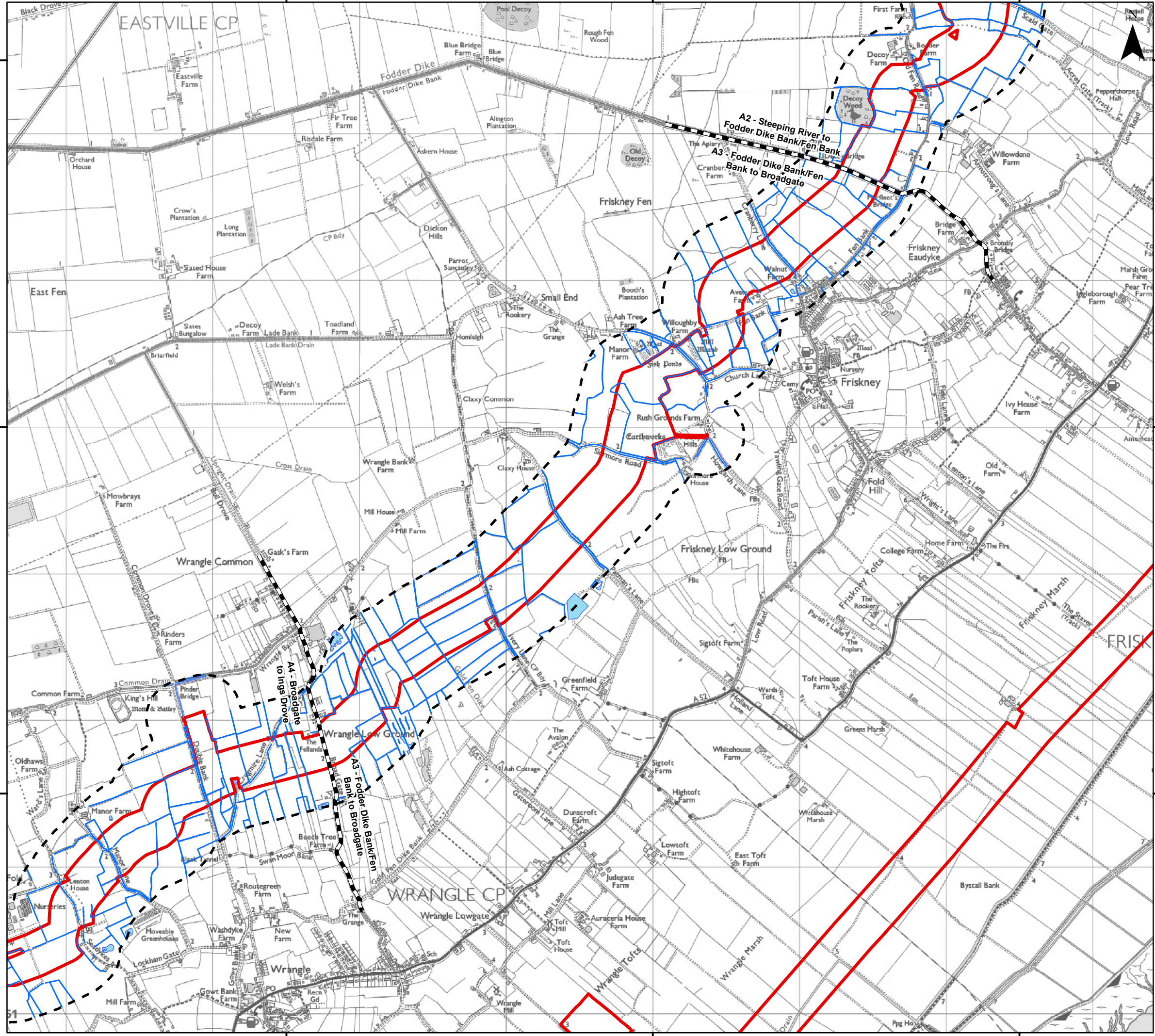
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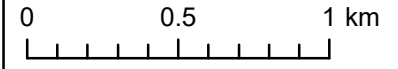
### Legend

- ▭ Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



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Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.15



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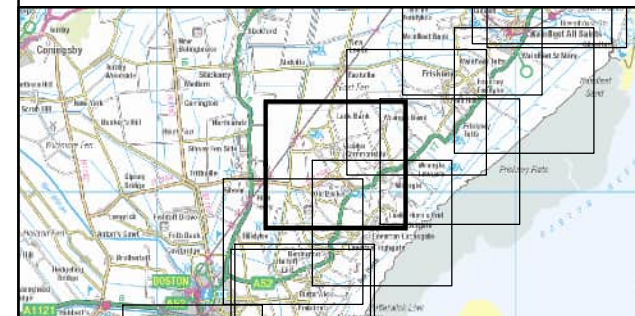
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid

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Scale: 1:25,000

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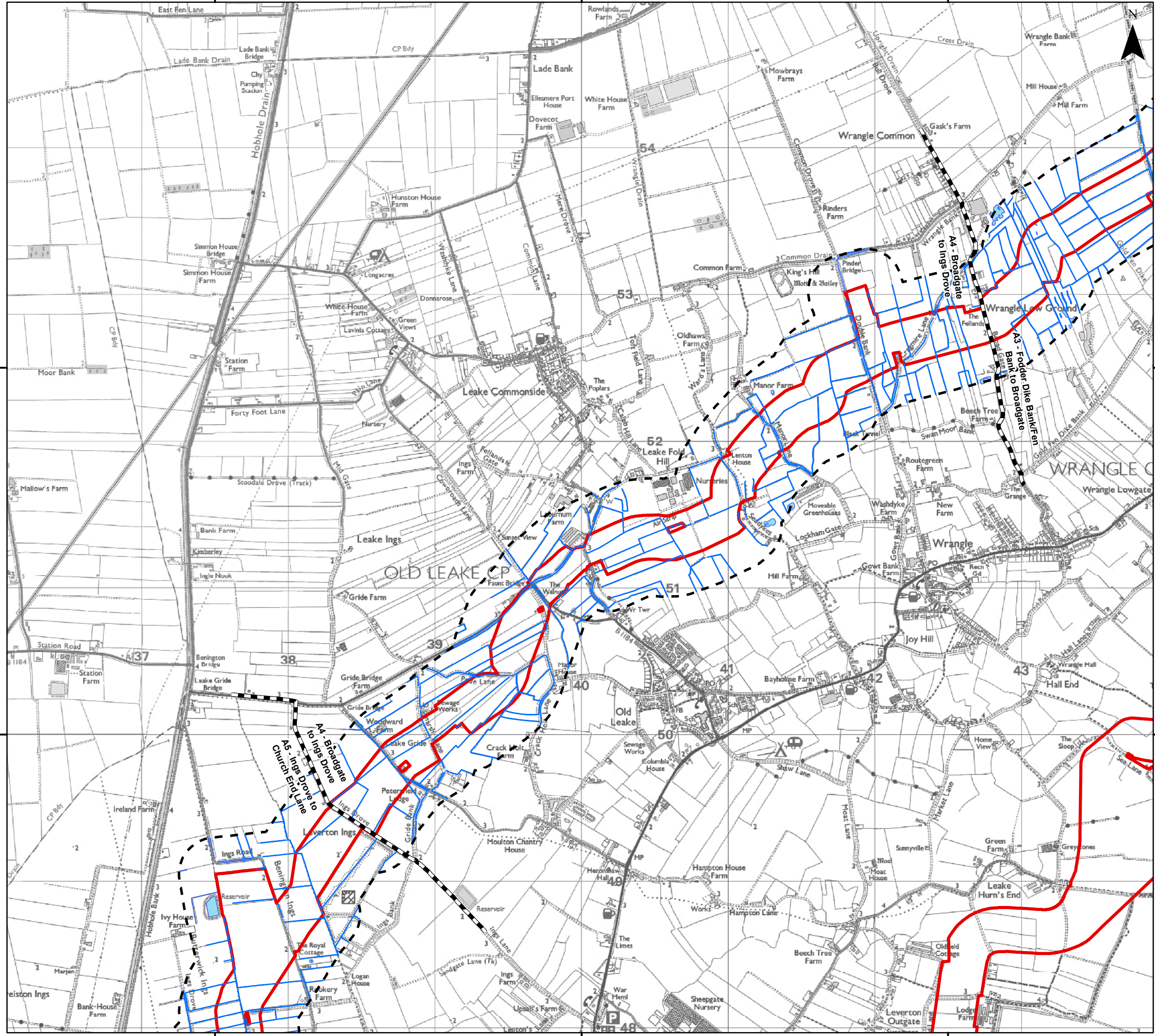
Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.16



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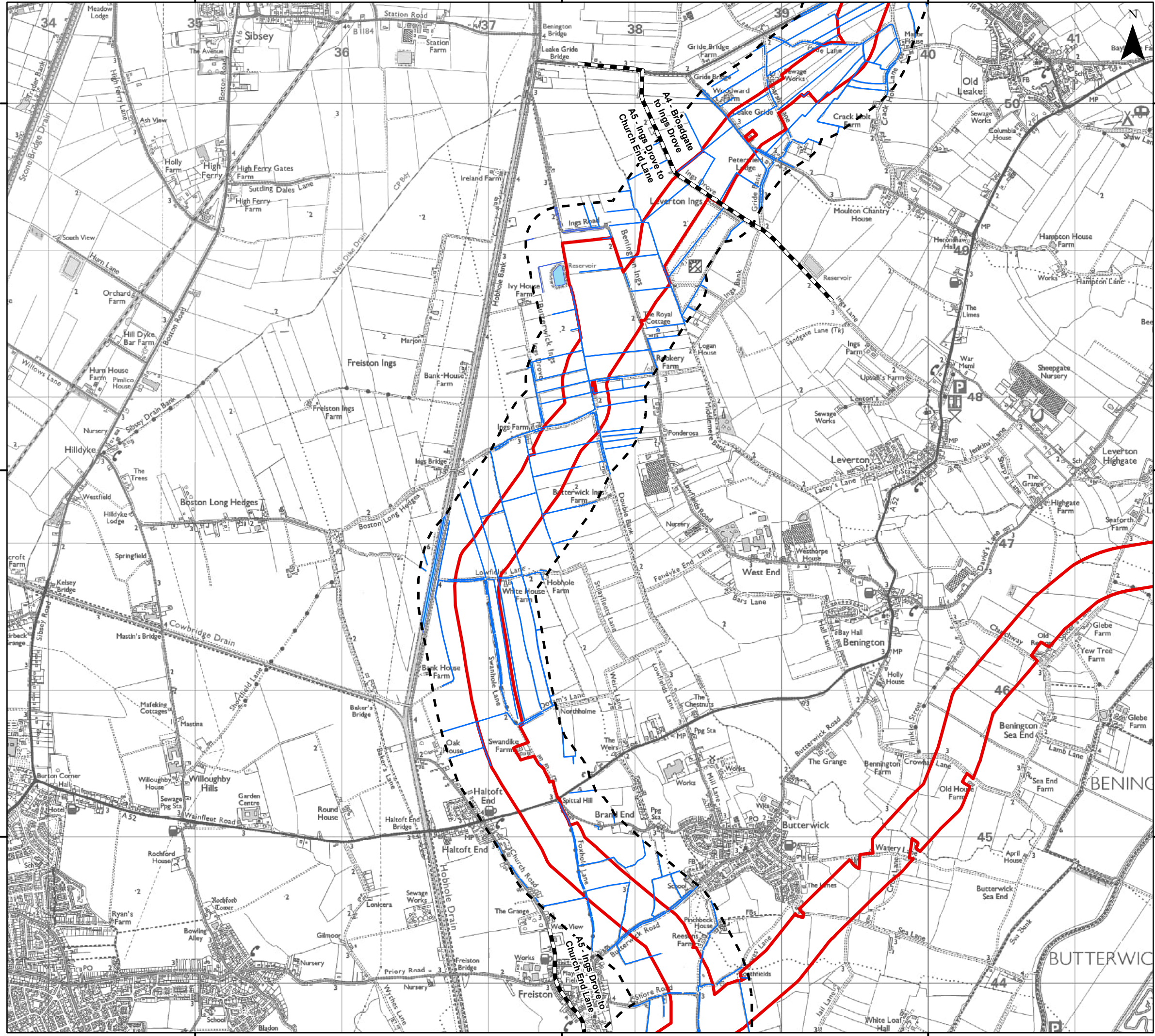
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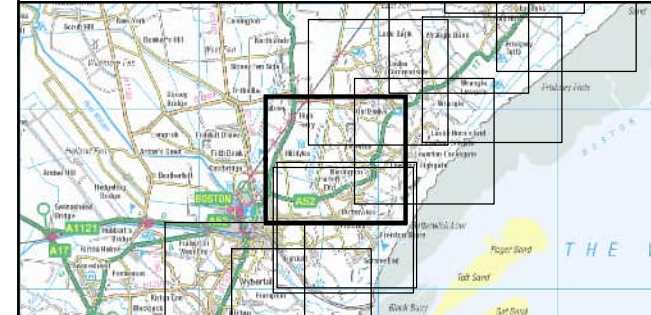
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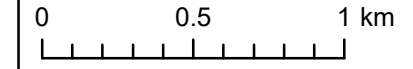
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 250 m Buffer
- Watercourses within 250 m of the PEIR Boundary
- Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid



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Preliminary Environmental Information Report

Weston Marsh  
 Watercourses and Waterbodies within  
 250m of PEIR Boundary  
 Figure 21.11.17

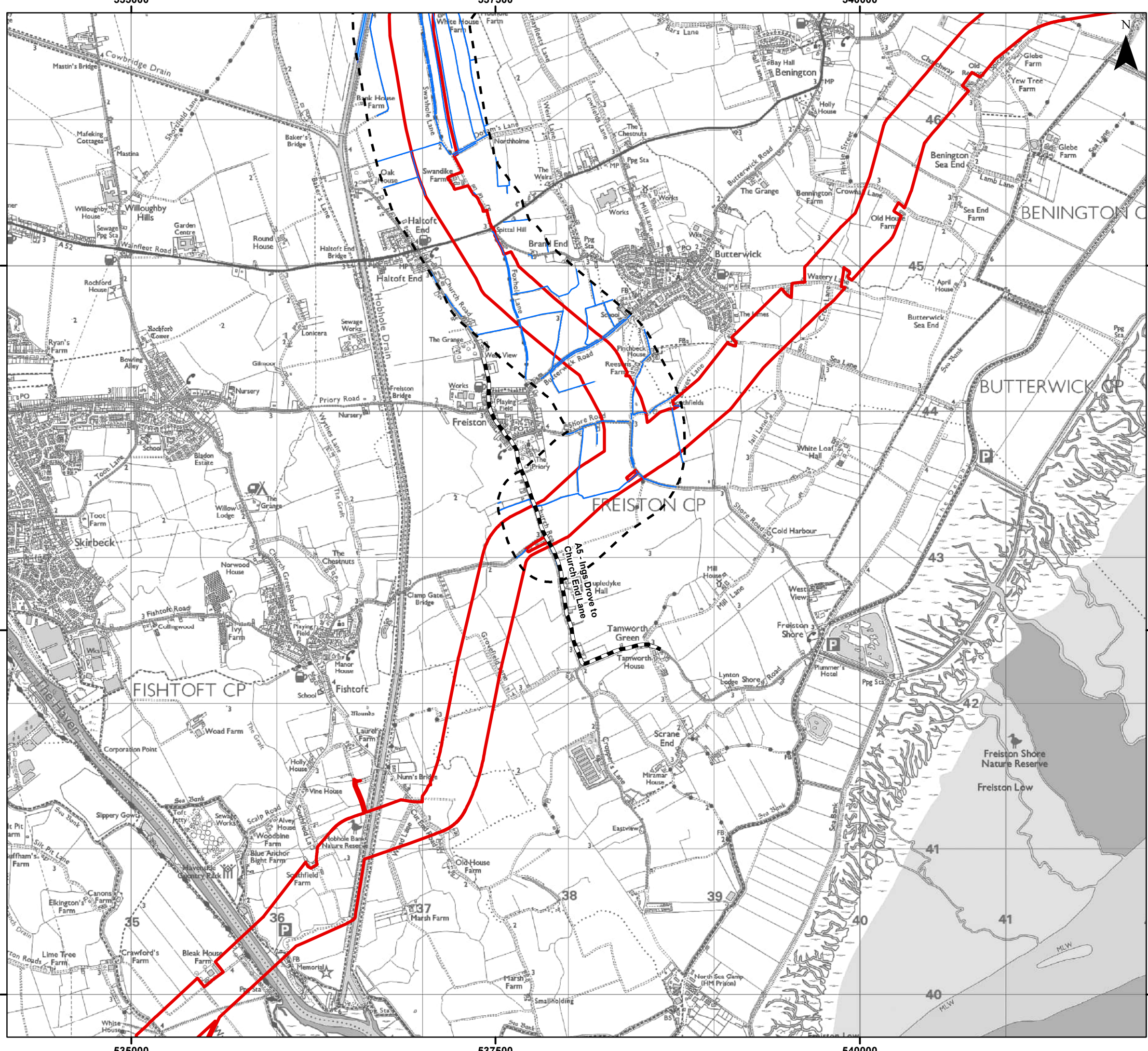


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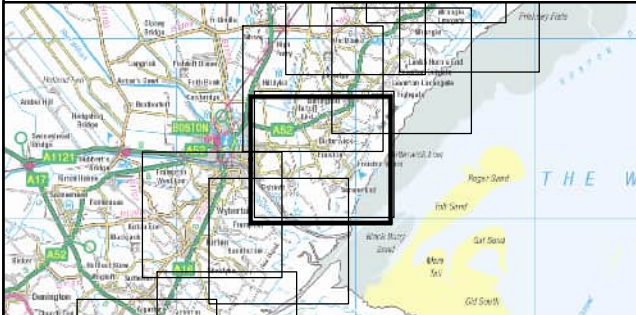
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 250 m Buffer
  - Watercourses within 250 m of the PEIR Boundary
  - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Watercourses and Waterbodies within 250m of PEIR Boundary  
 Figure 21.11.18

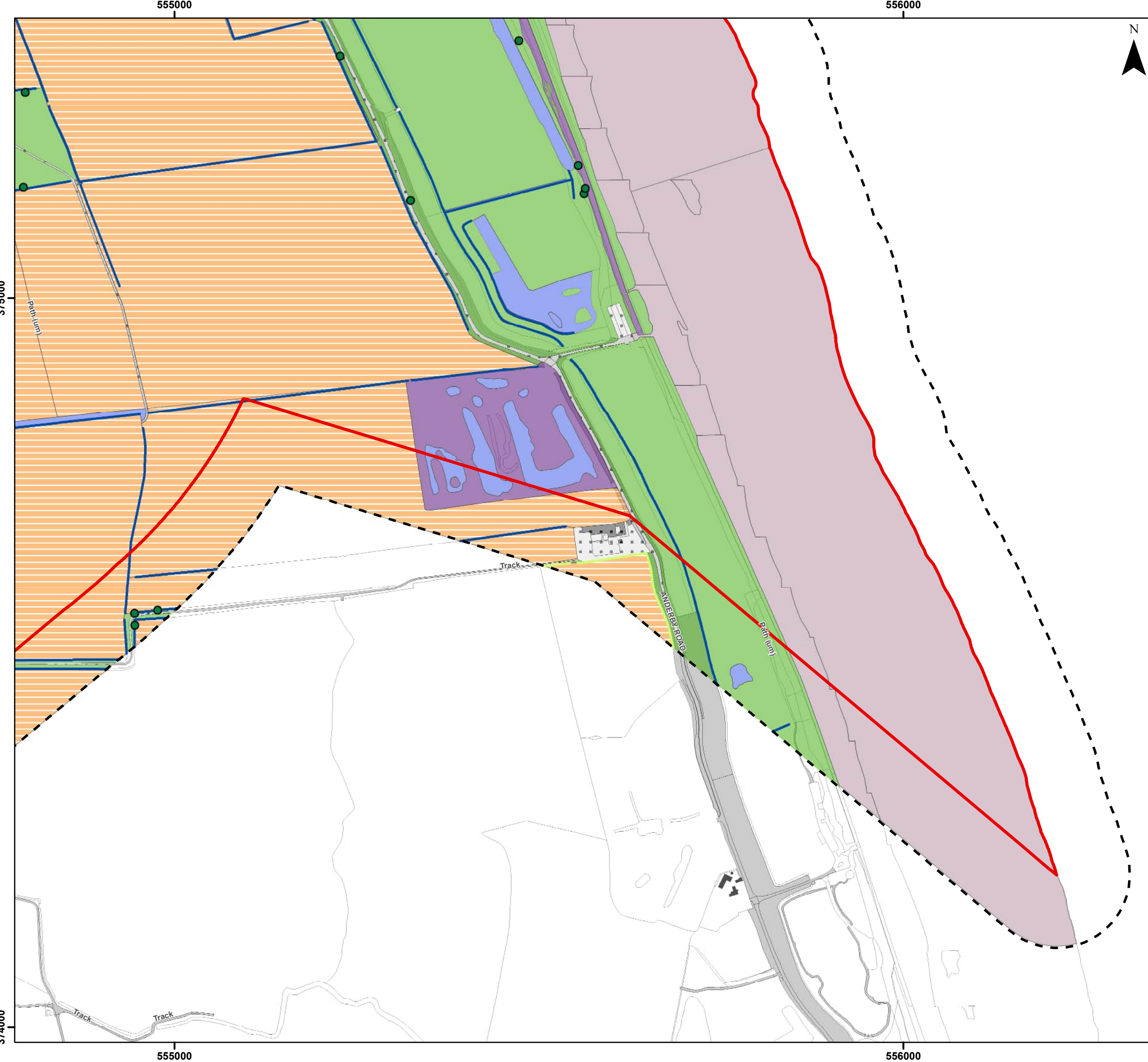


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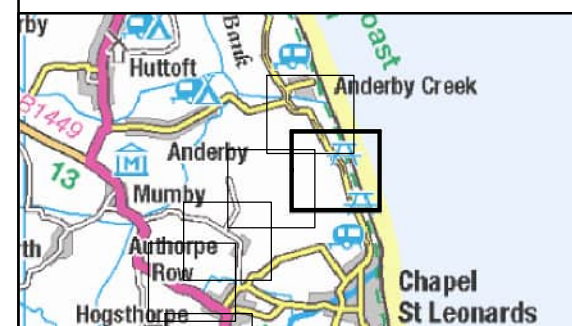


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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Sparsely Vegetated Land - Supralittoral Sediment**
  - s3 - Supralittoral Sediment
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary

Figure 21.12.1



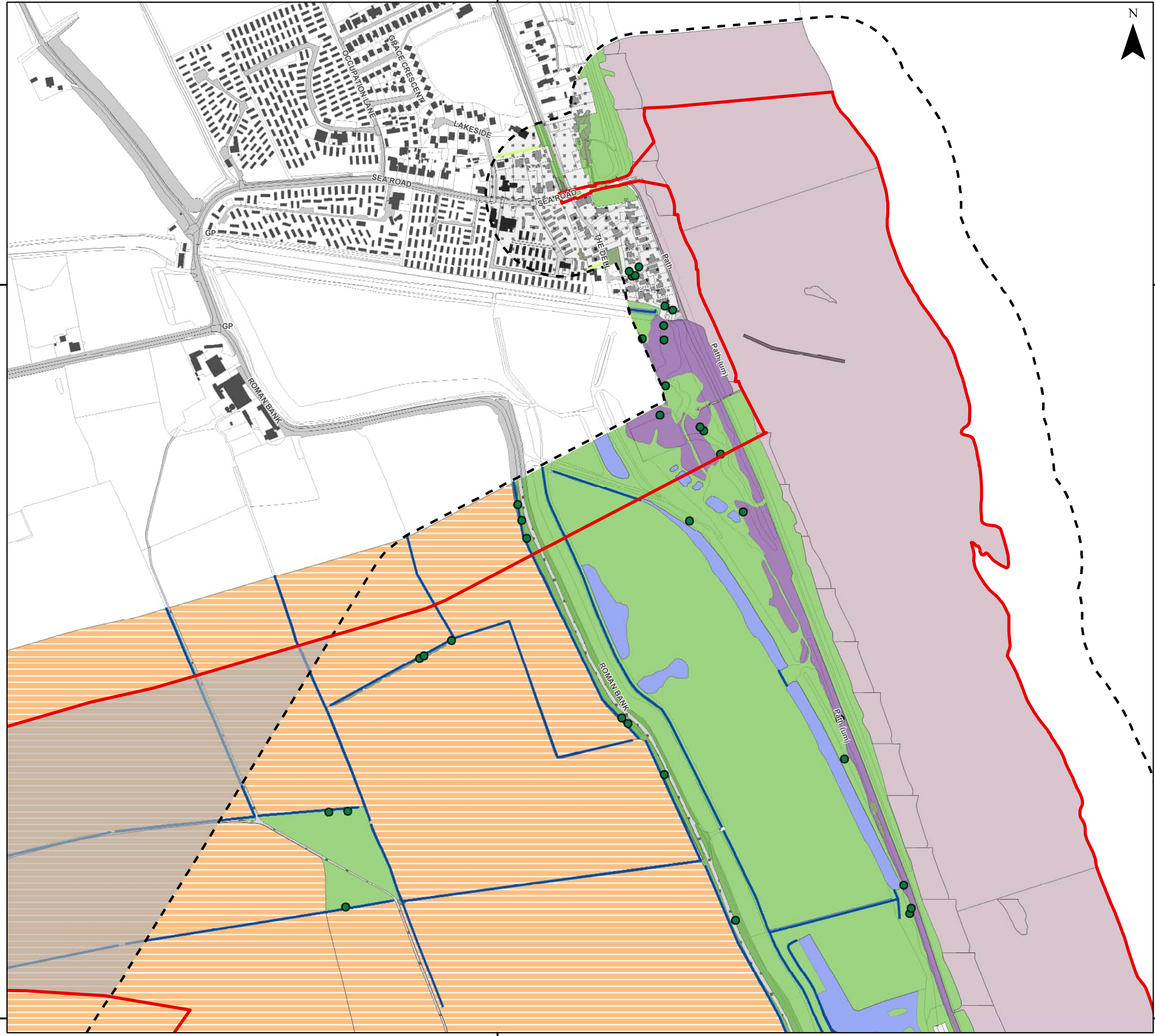
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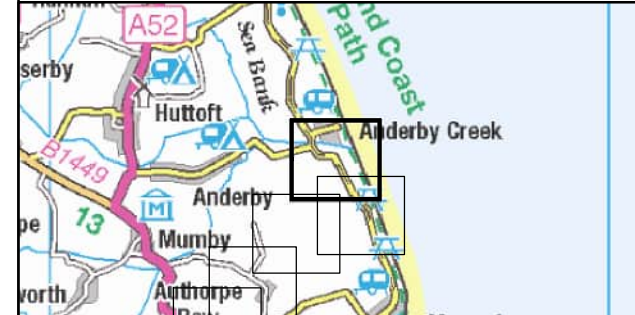
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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Sparsely Vegetated Land - Supralittoral Sediment**
- s3 - Supralittoral Sediment
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- u1b5 - Building
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.2



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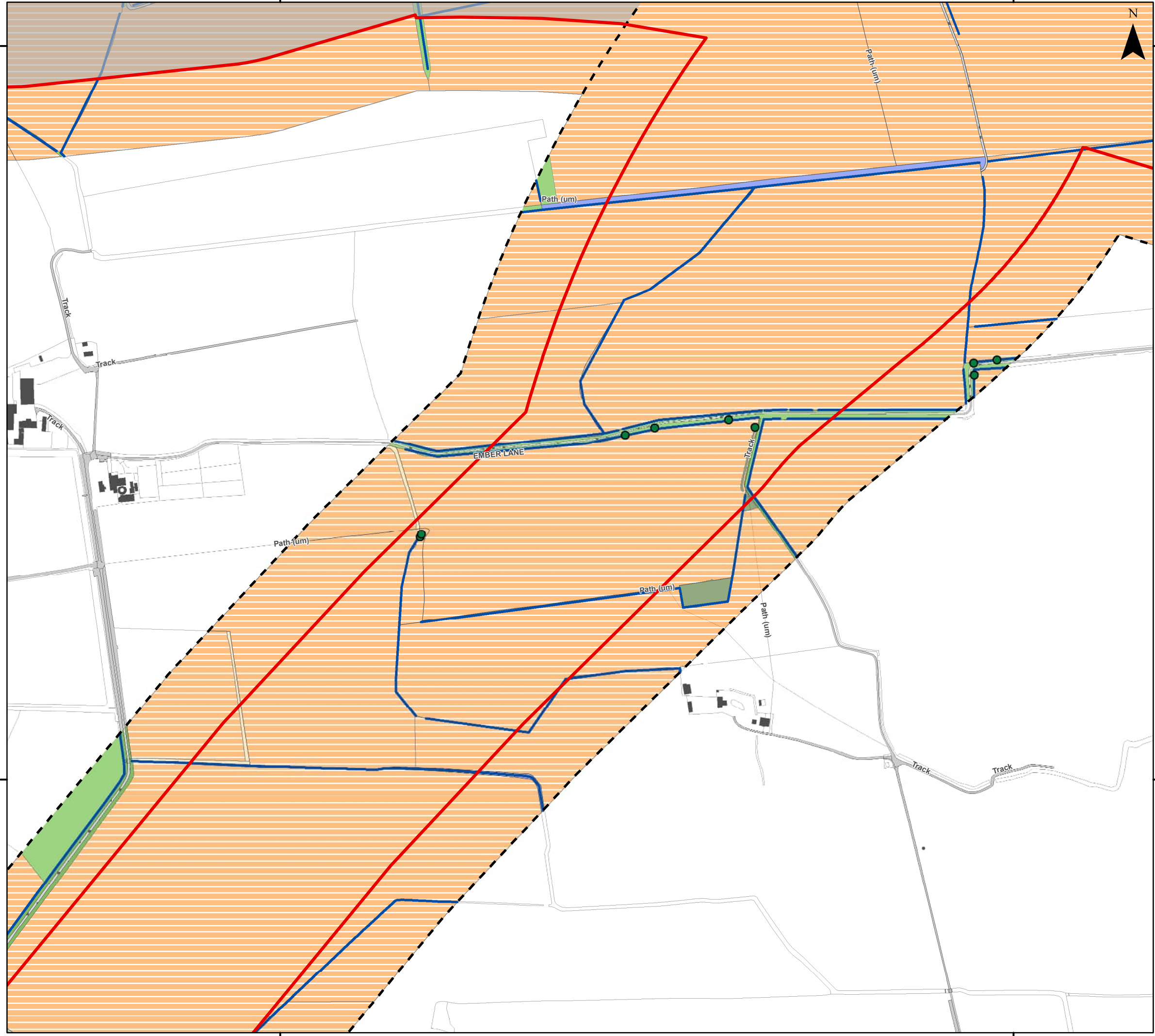
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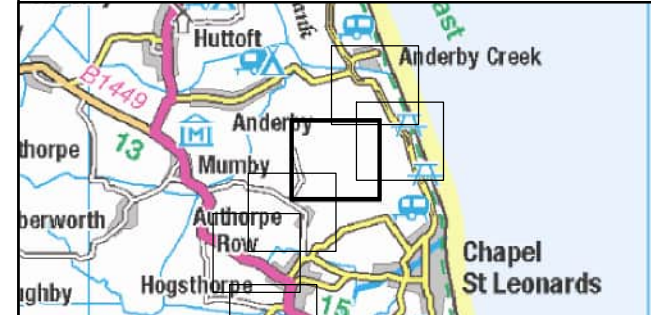
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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.3



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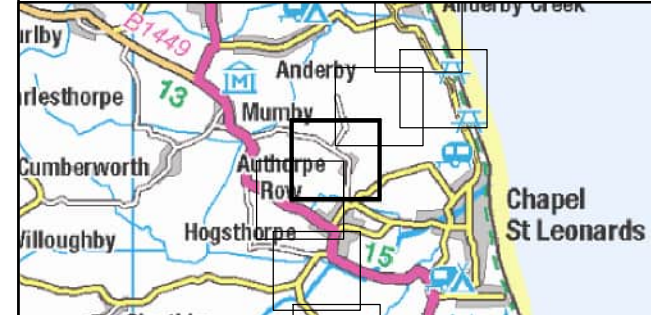


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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Modified Grassland**
- g4 - Modified Grassland
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

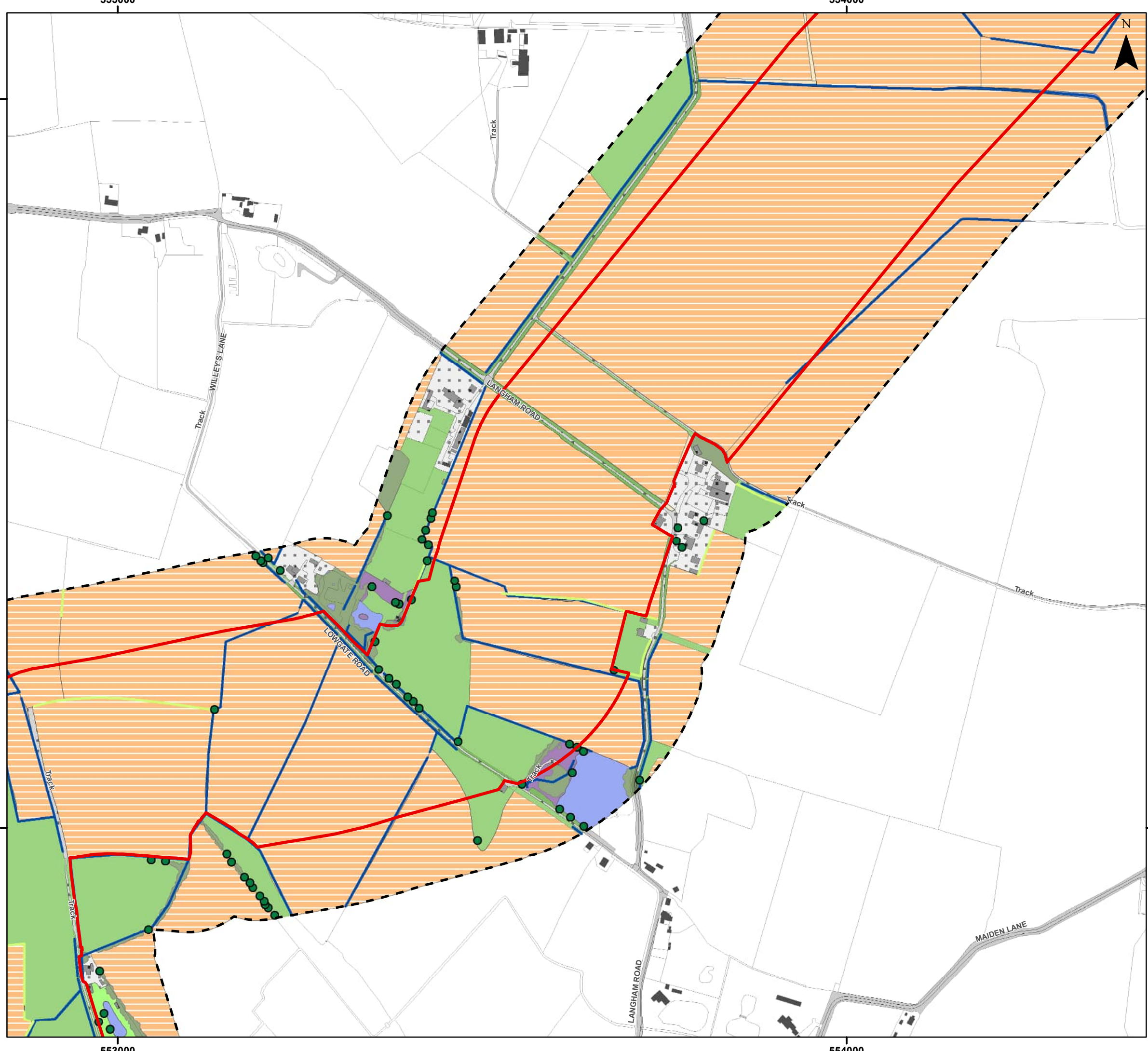
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.4



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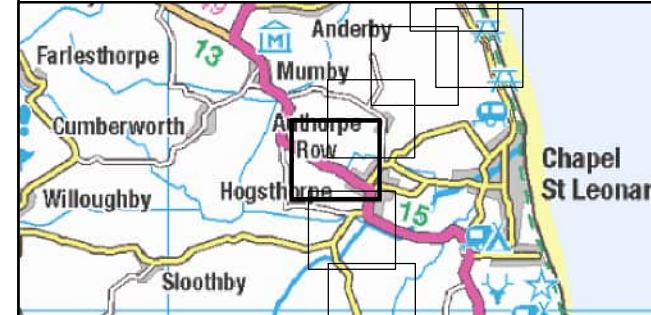


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Modified Grassland**
- g4 - Modified Grassland
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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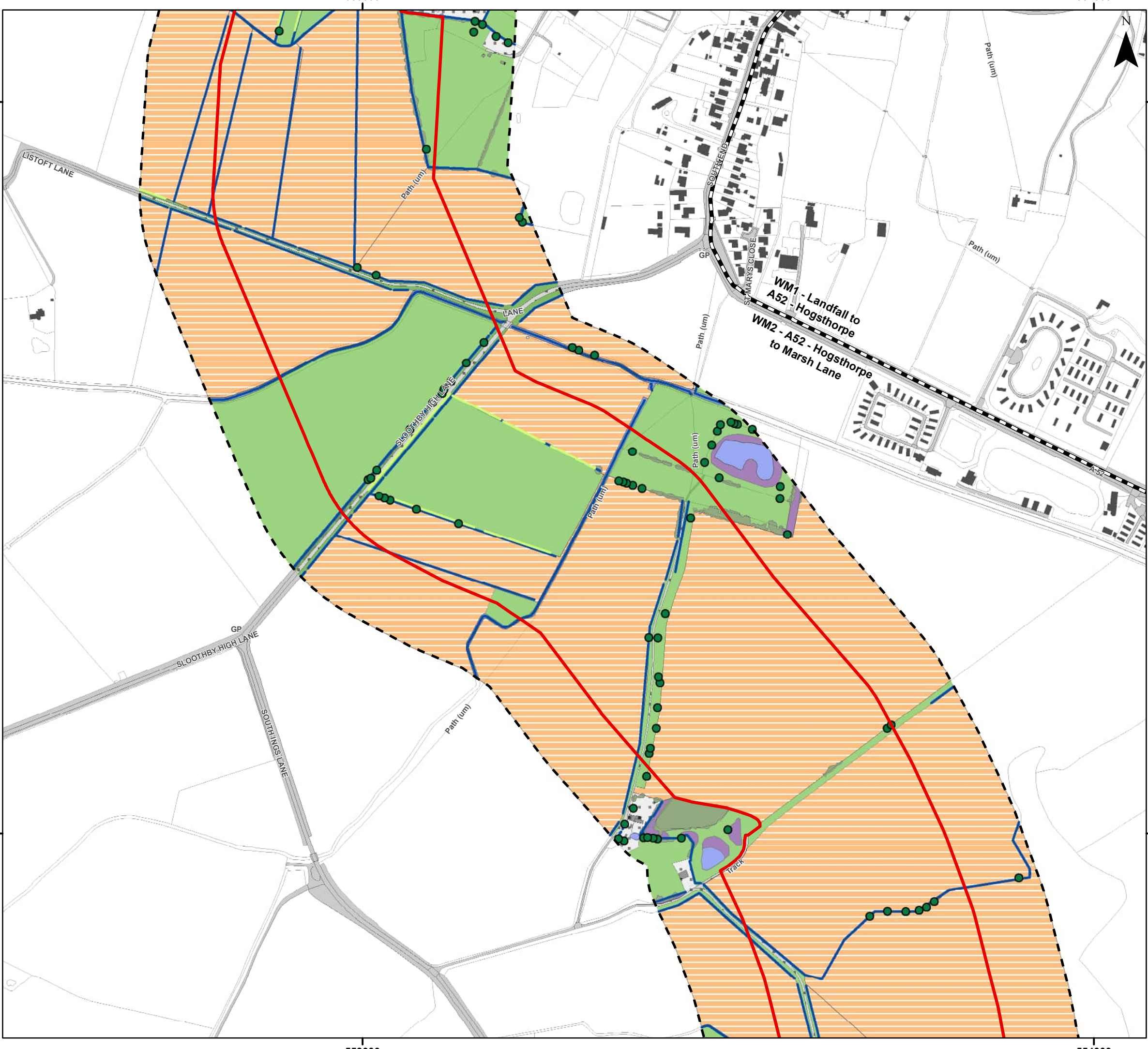
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 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.5



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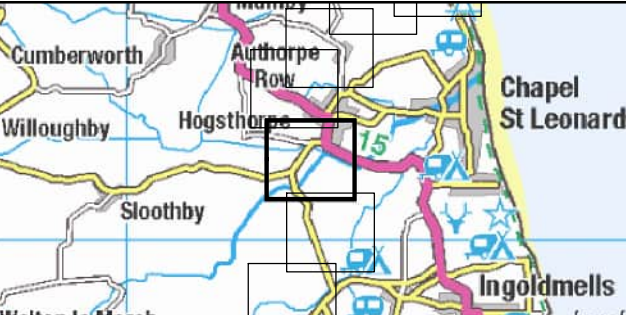


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.6



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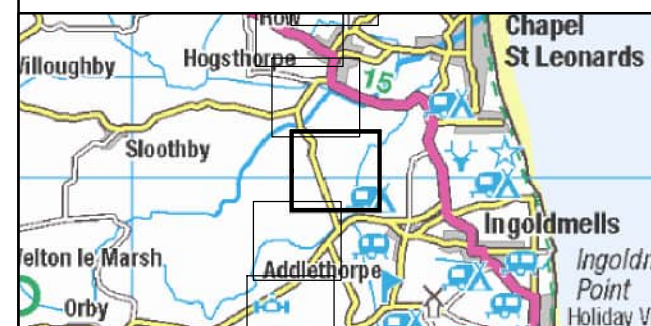


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- ### Legend
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.7

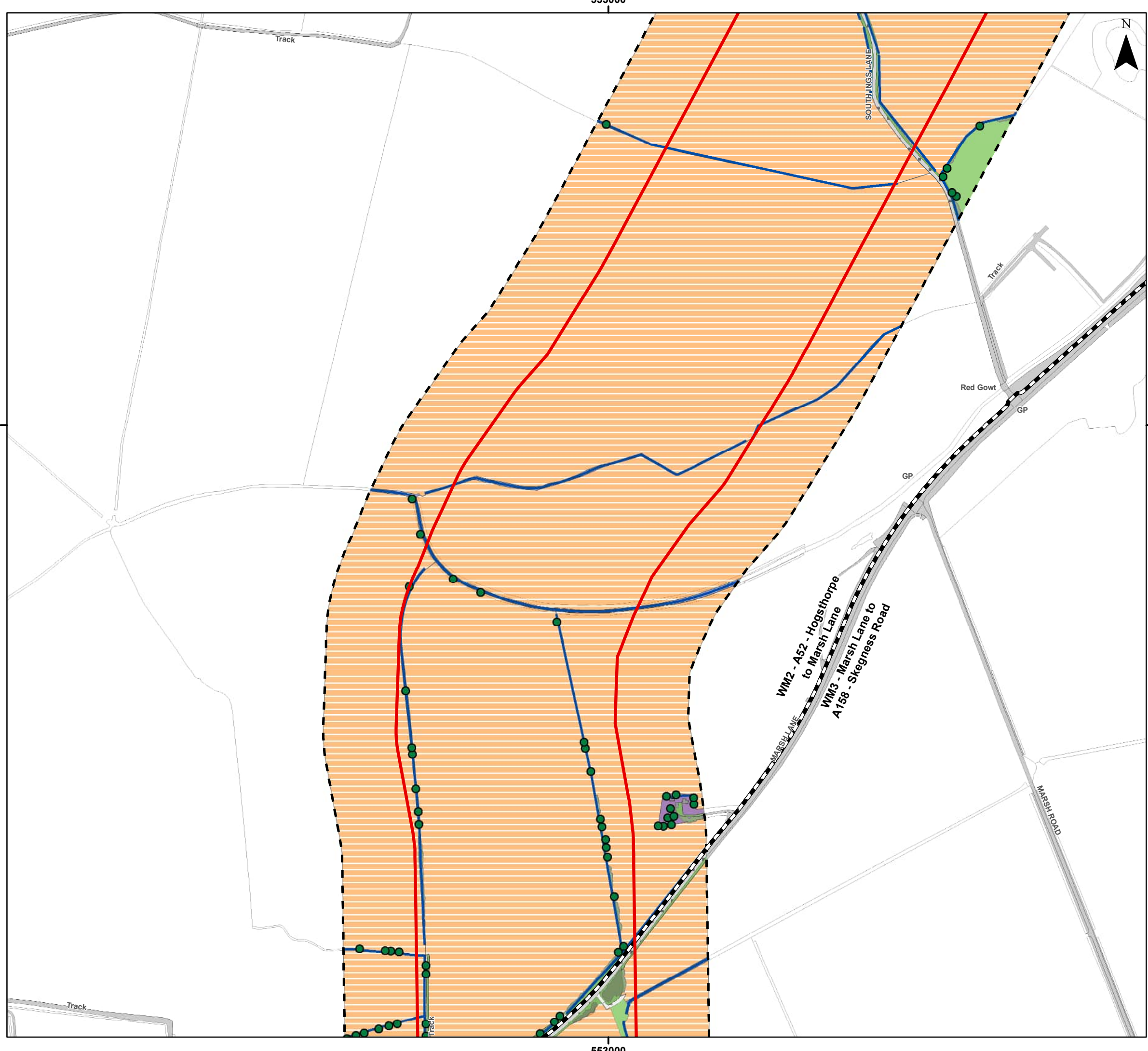




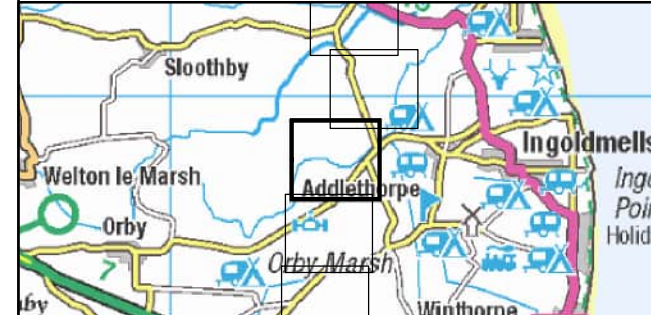
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

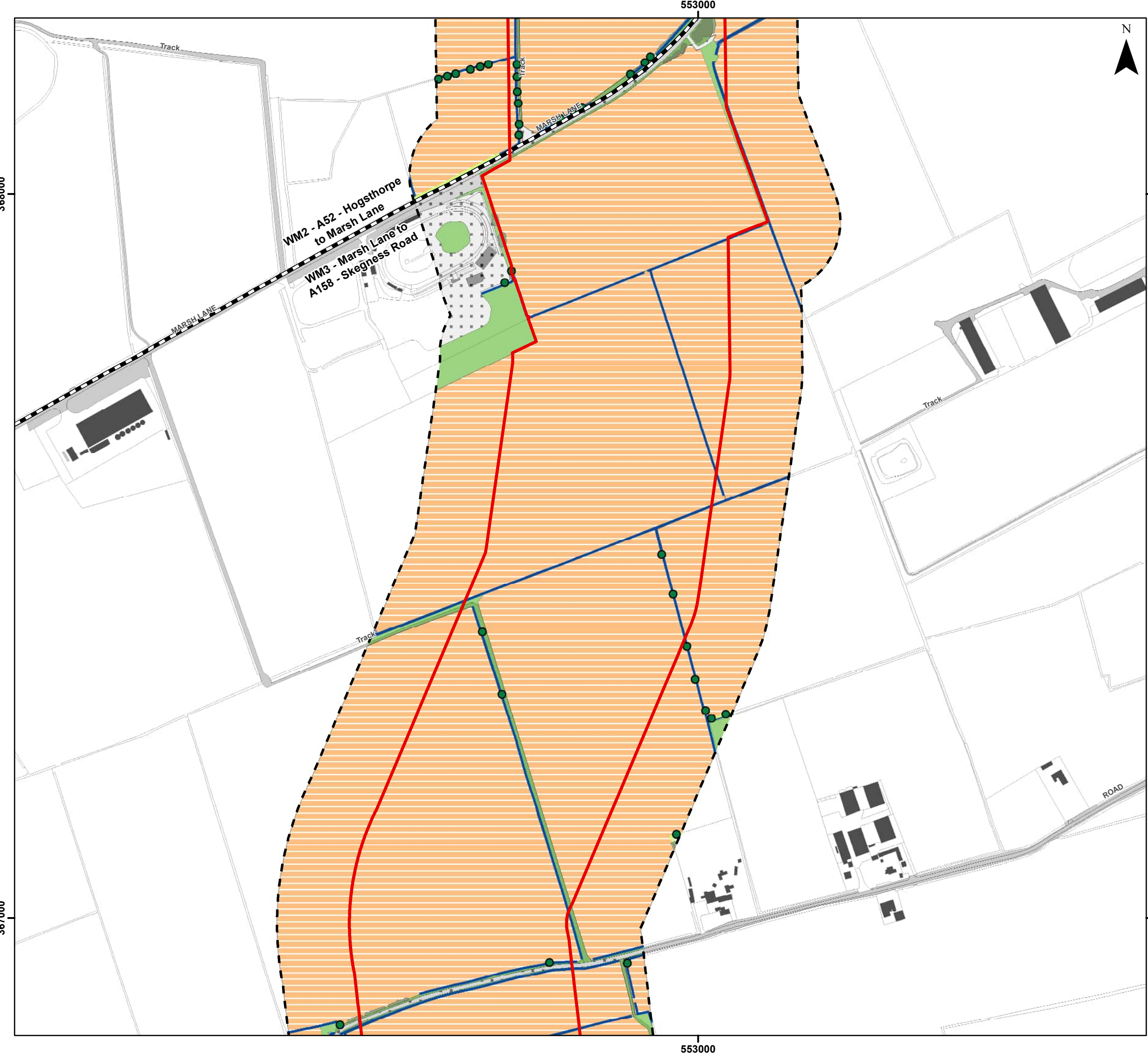
Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

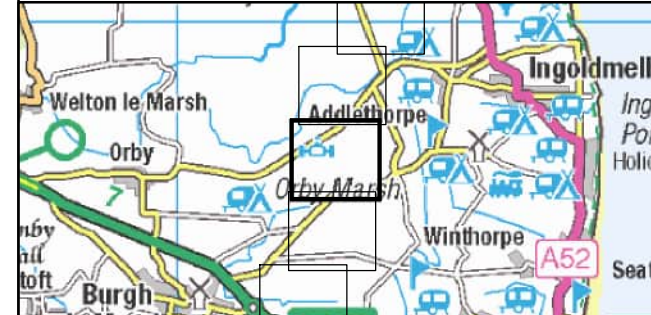
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



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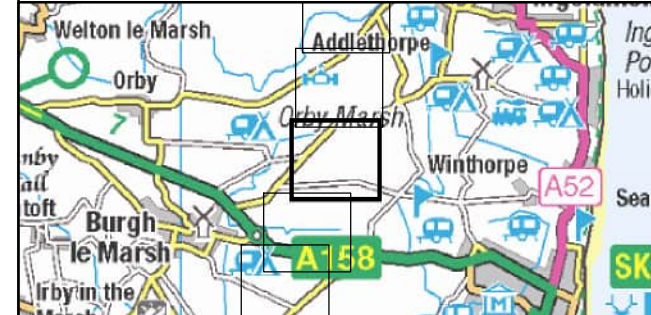
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 Habitats within PEIR Boundary  
 Figure 21.12.9



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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Lakes**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



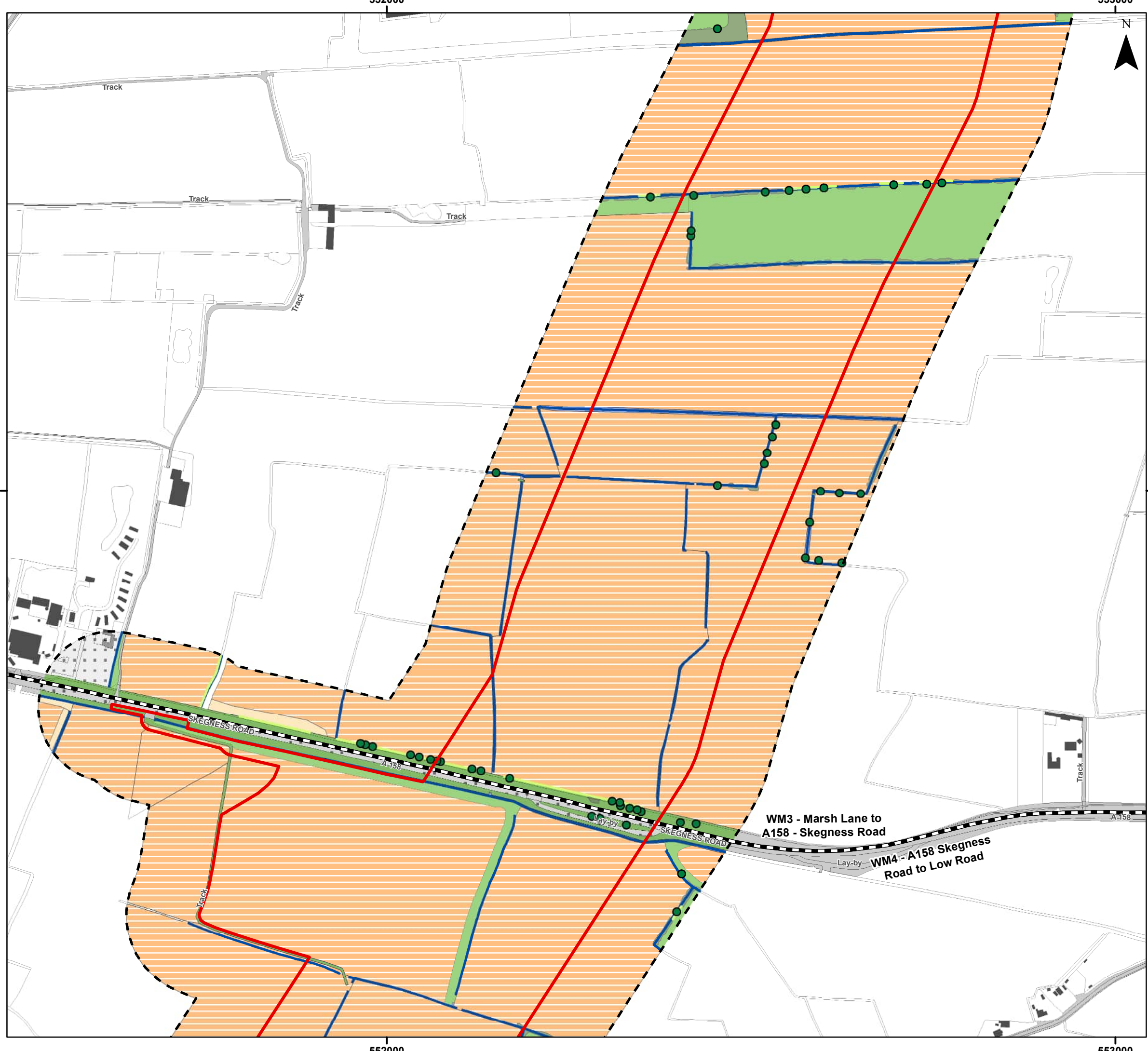
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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.10

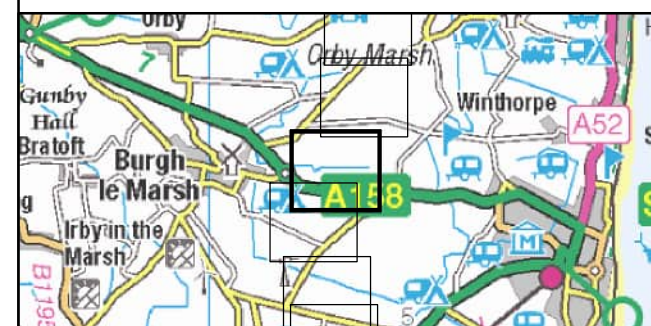


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- Legend**
- Onshore PEIR Boundary
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  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
  - c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh Habitats within PEIR Boundary

Figure 21.12.11

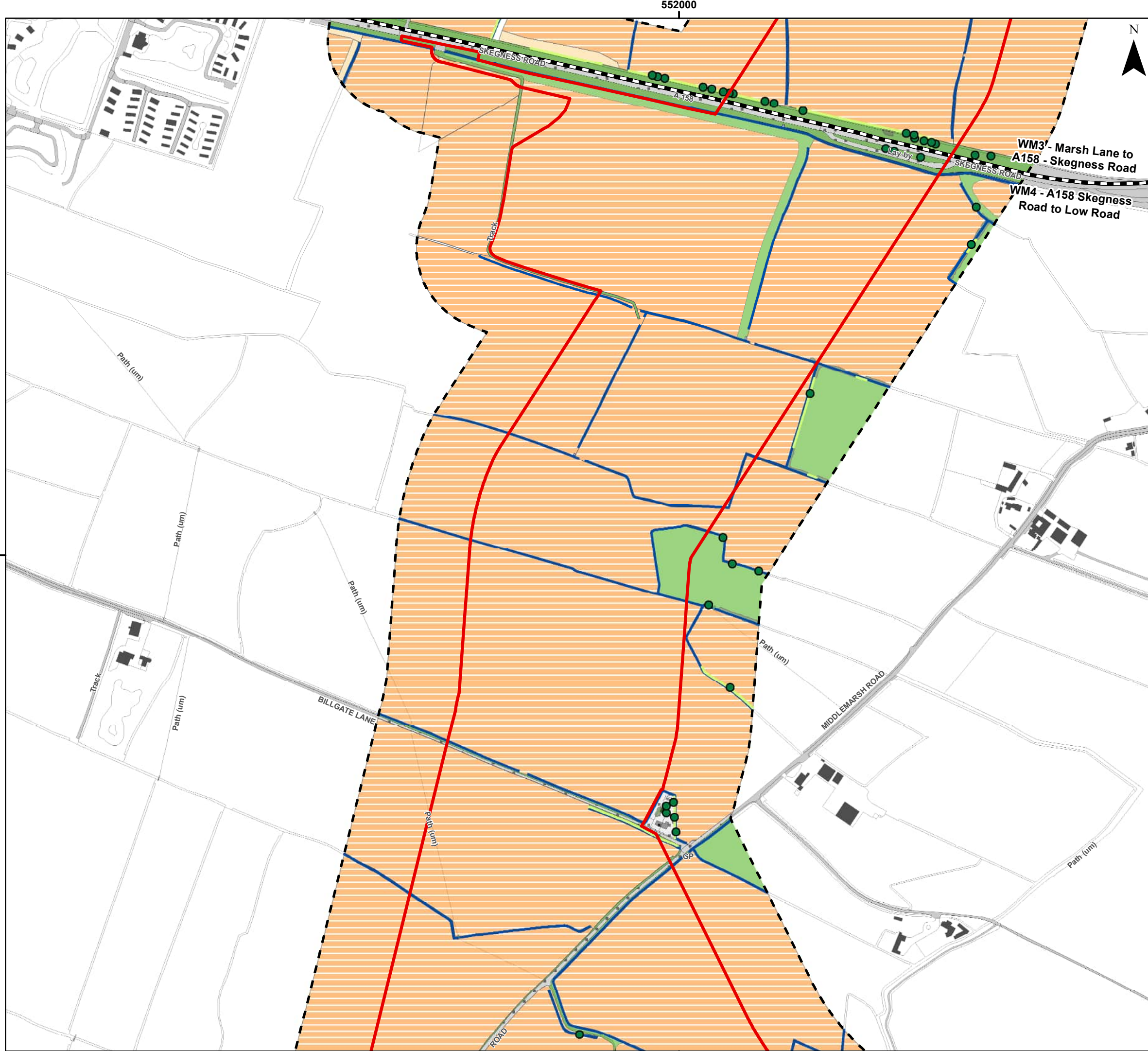


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
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- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.12

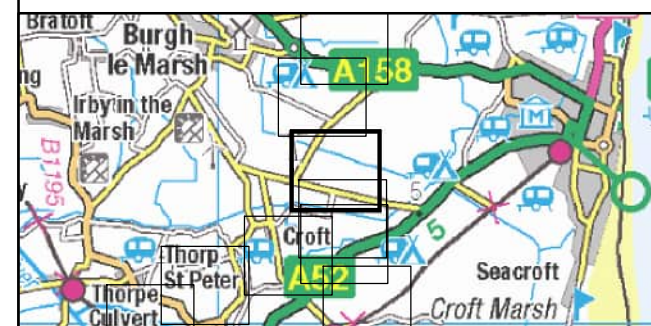


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.13

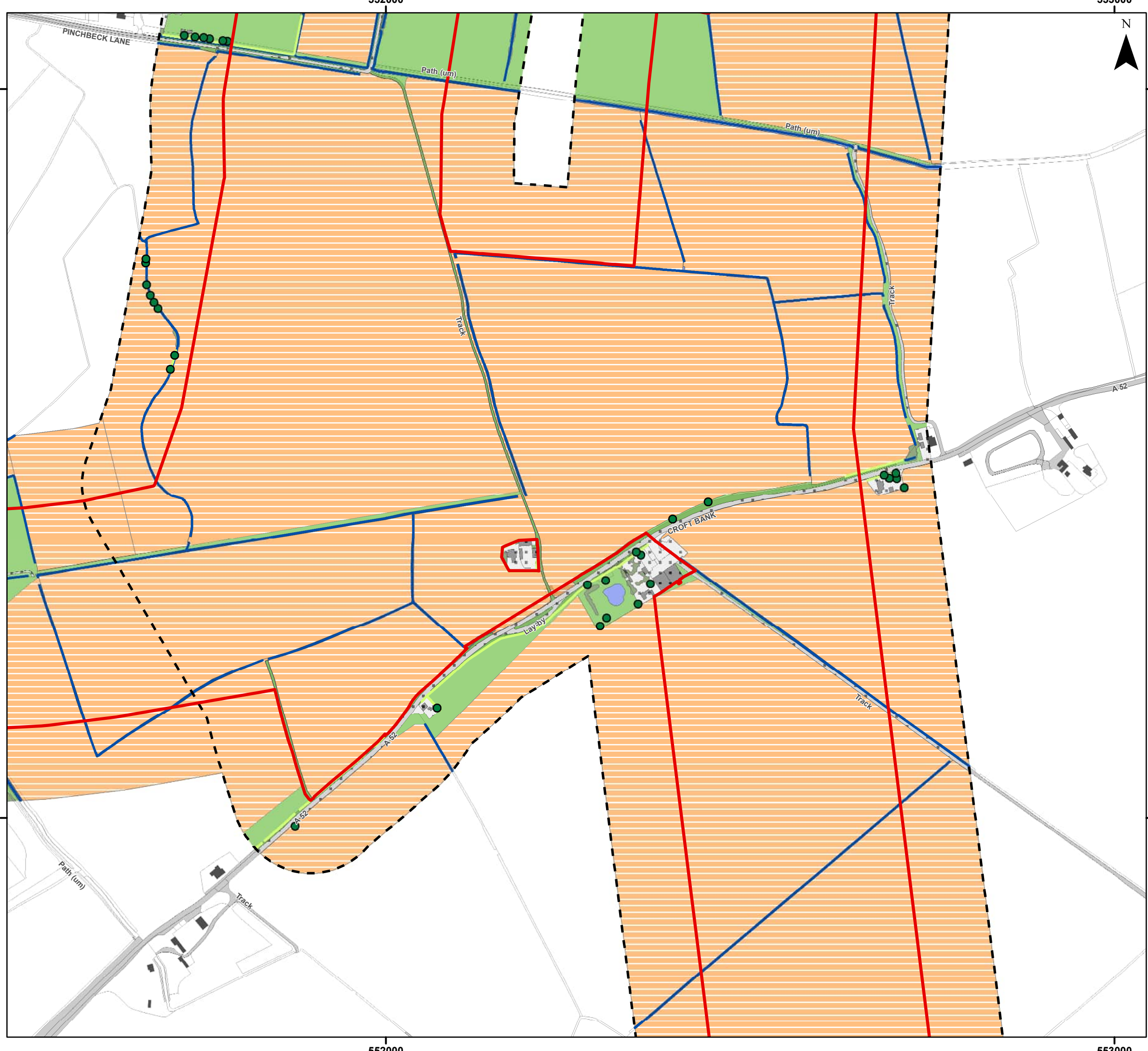


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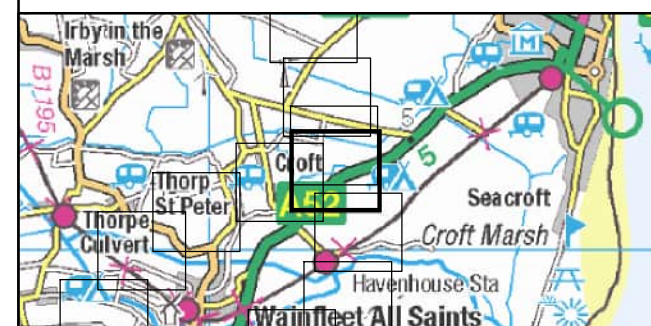


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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland

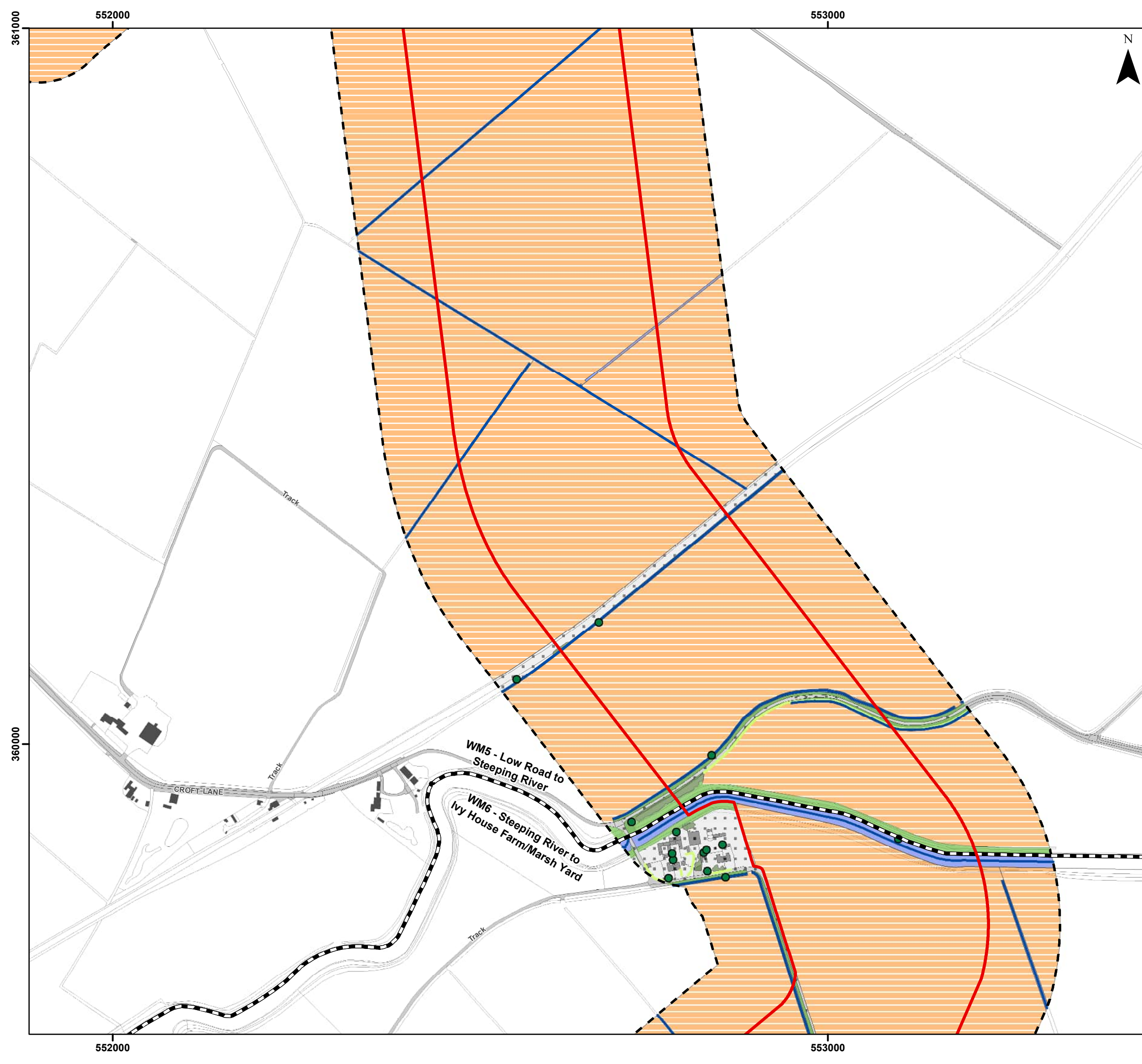


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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.14



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

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Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.15



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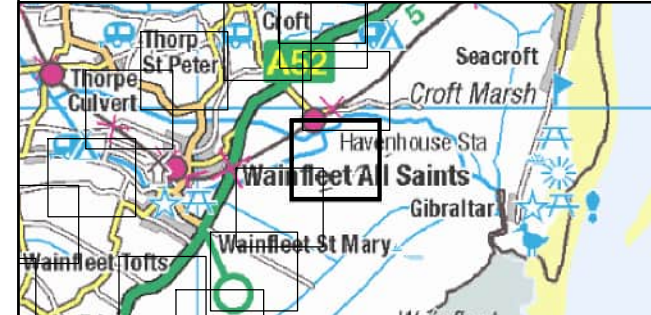


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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

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Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.16

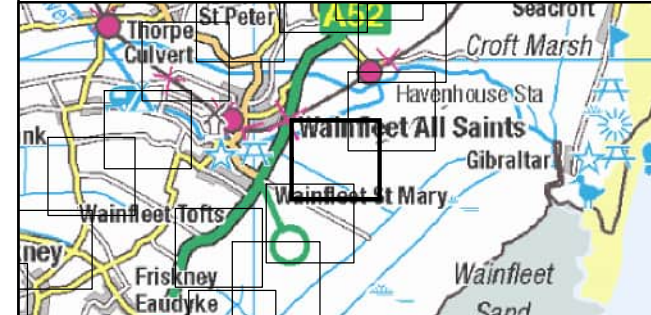


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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 0 125 250 Metres

Scale: 1:5,000

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 Weston Marsh  
 Habitats within PEIR Boundary  
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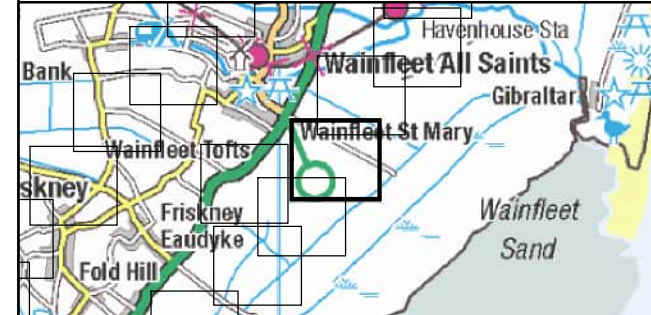
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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



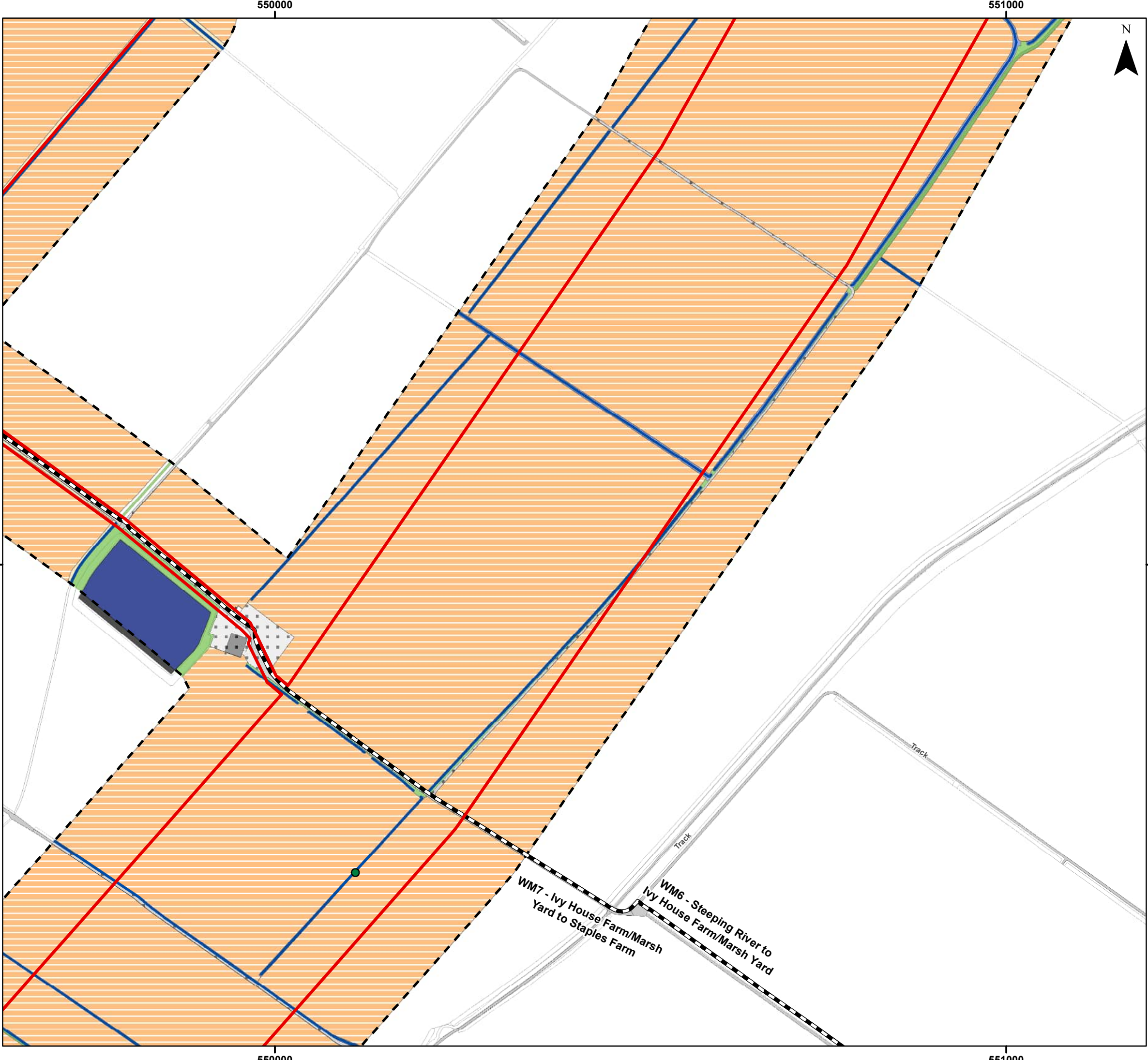
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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.18



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
  - c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Lakes**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

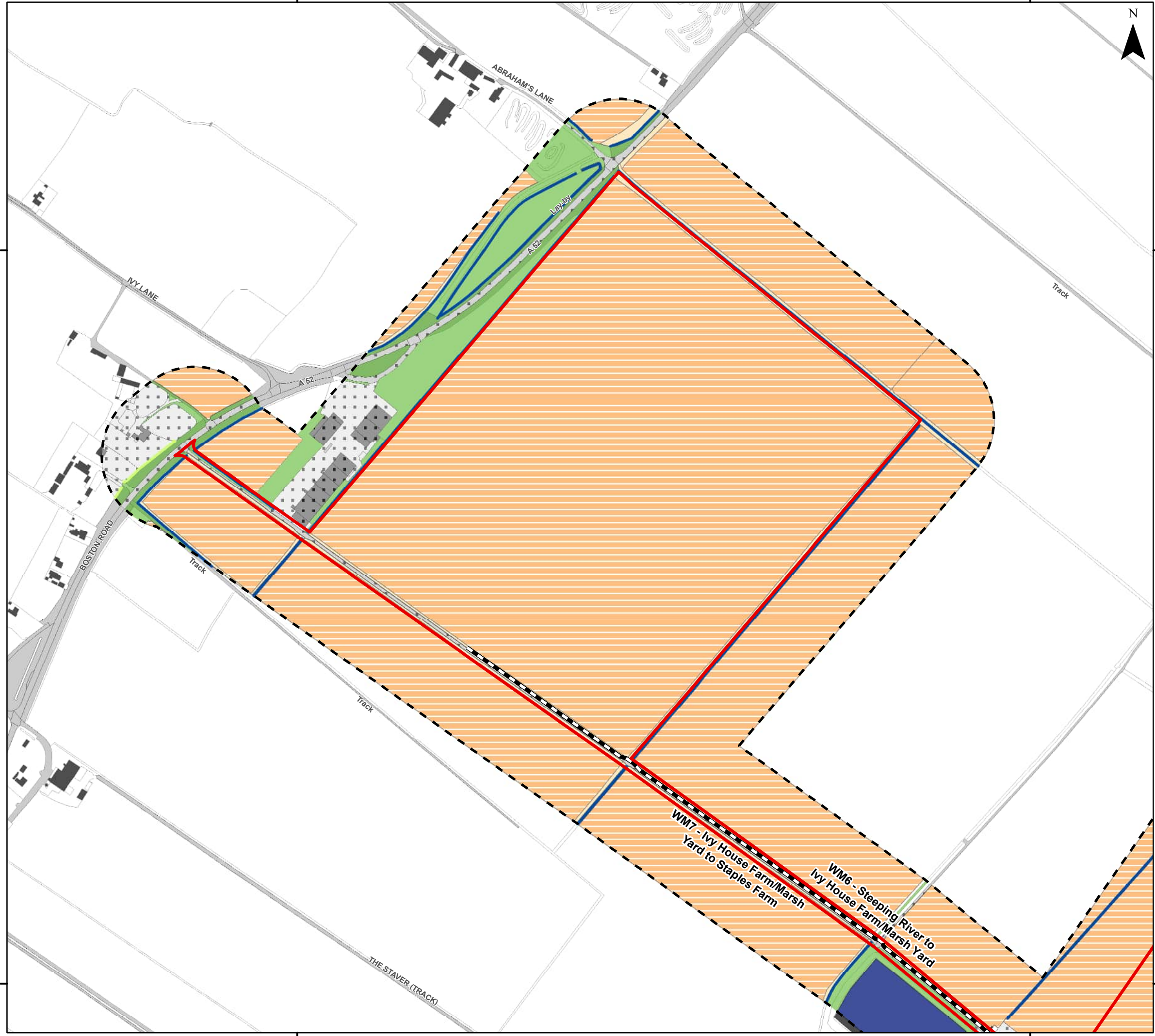
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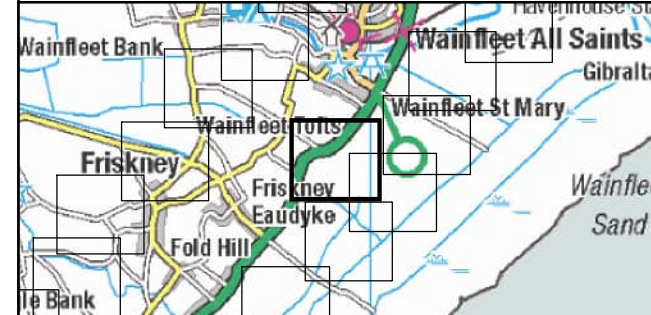
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Lakes**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden



Coordinate System: British National Grid  
0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.20



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.21

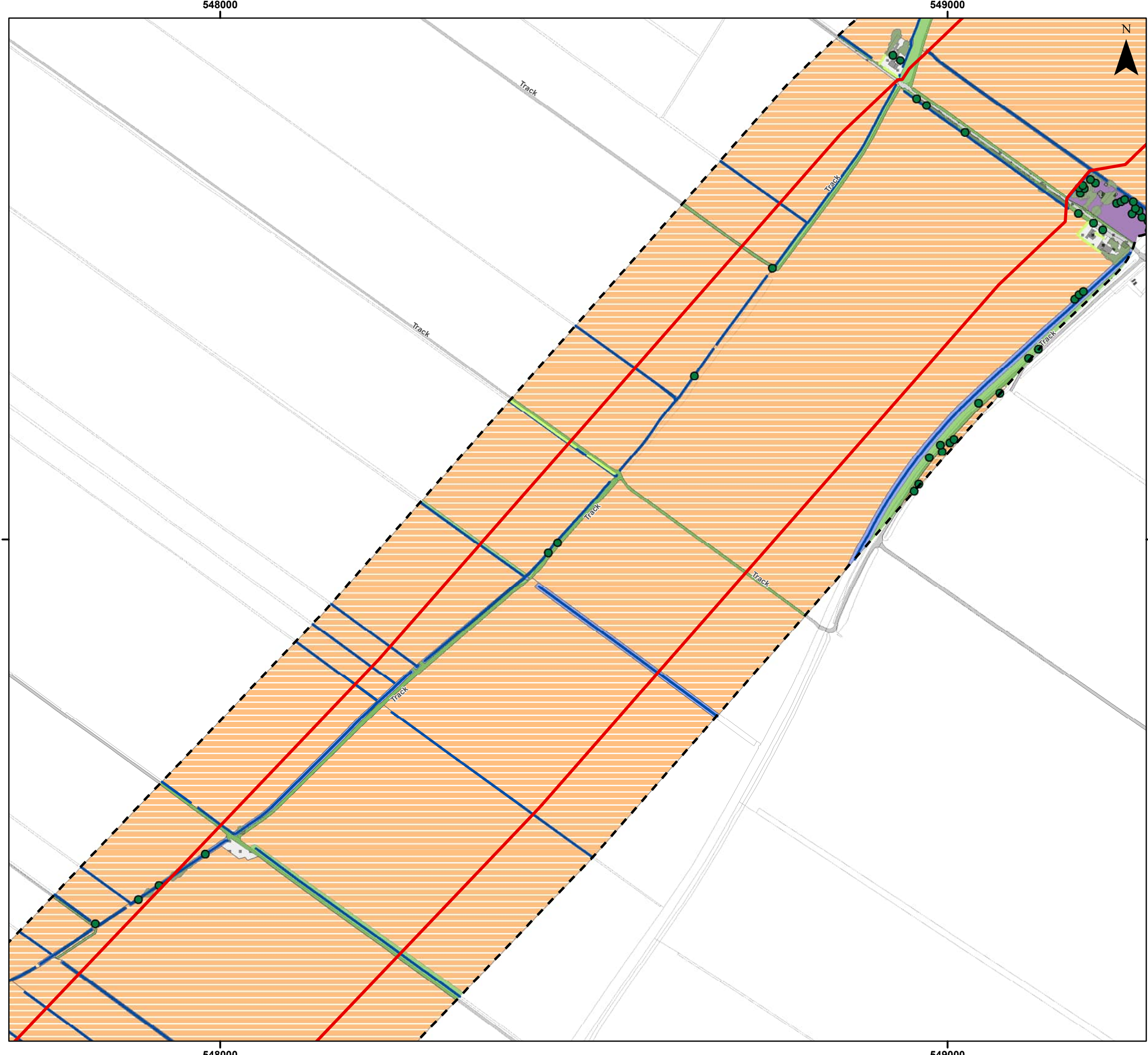


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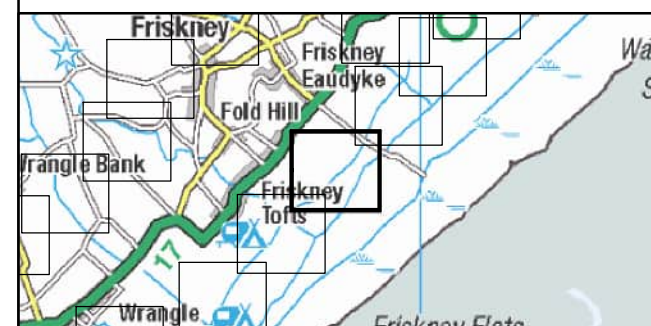


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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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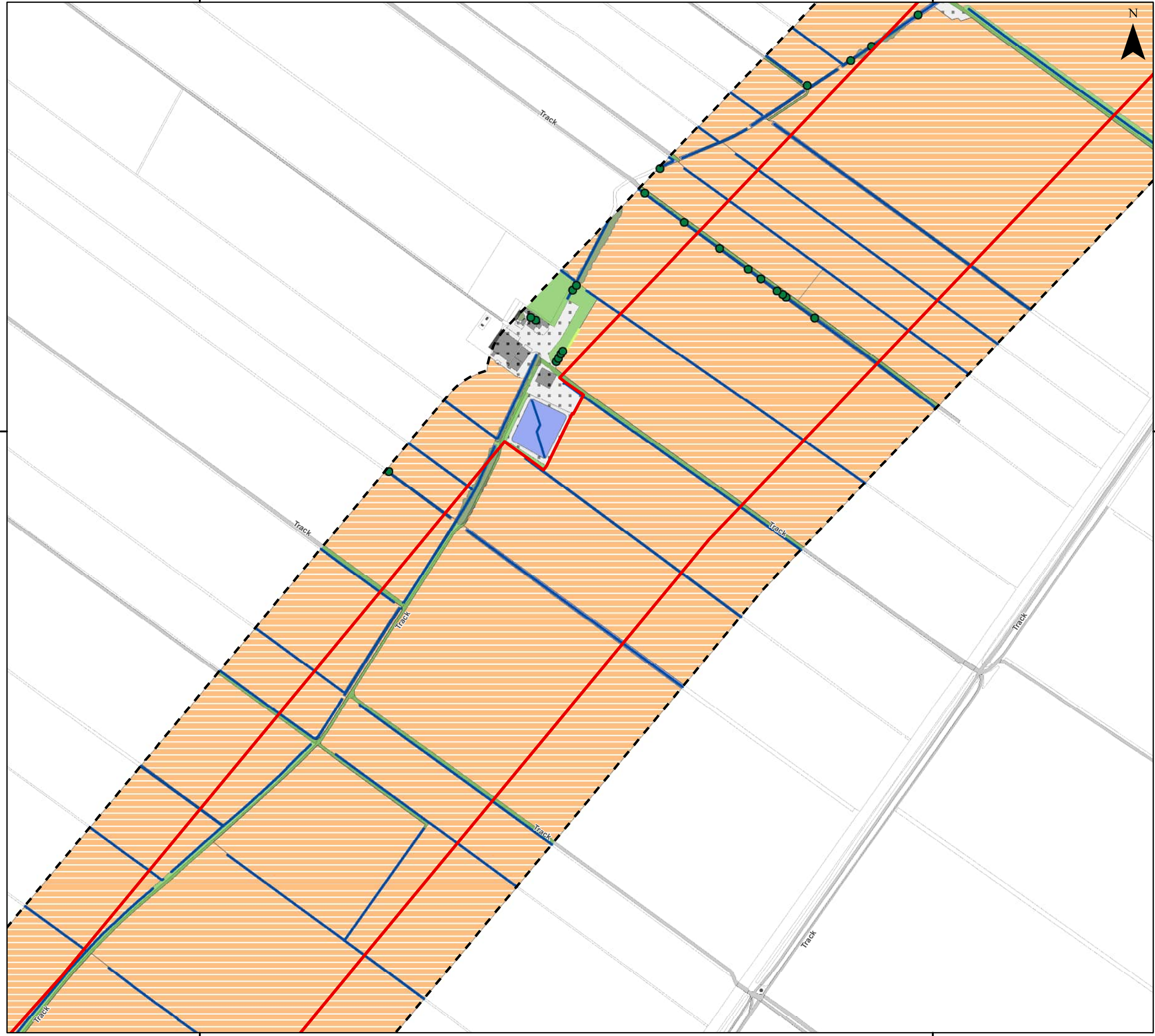
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.22













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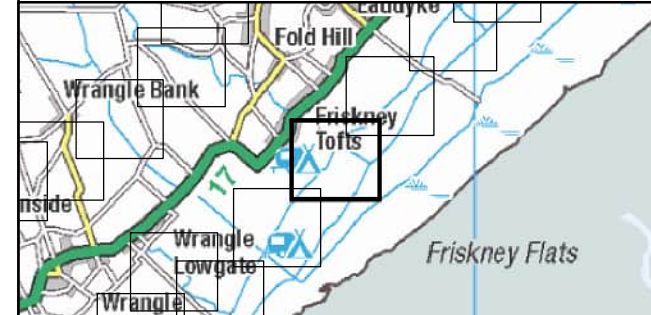
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### Legend

-  Onshore PEIR Boundary
-  Habitat Survey Area Weston Marsh (via South of the A52)
-  Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
-  h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
-  r2 - River and Stream
- Cropland - Arable and Horticulture**
-  c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
-  g - Grassland
- Rivers and Lakes - Rivers and Streams**
-  r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
-  u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
-  w1 - Broadleaved Mixed and Yew Woodland



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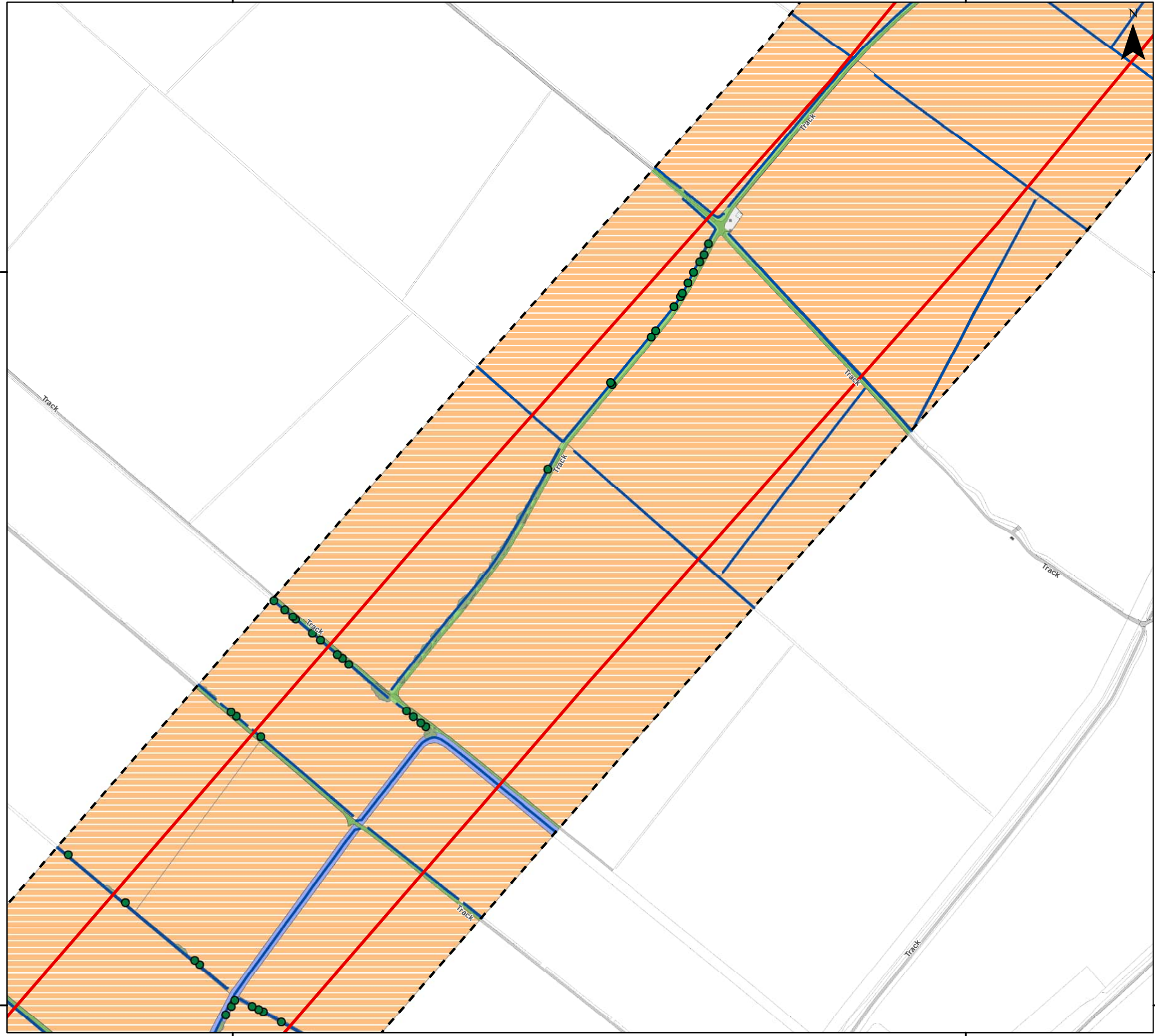
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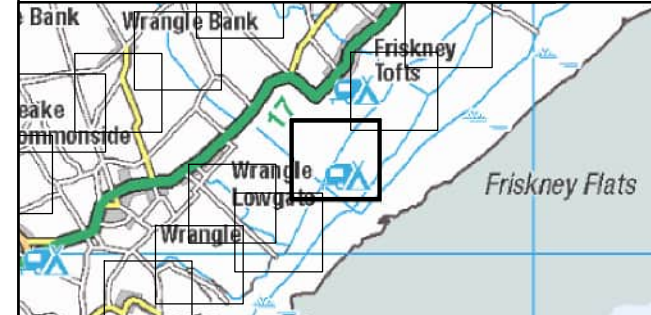
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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 Weston Marsh  
 Habitats within PEIR Boundary  
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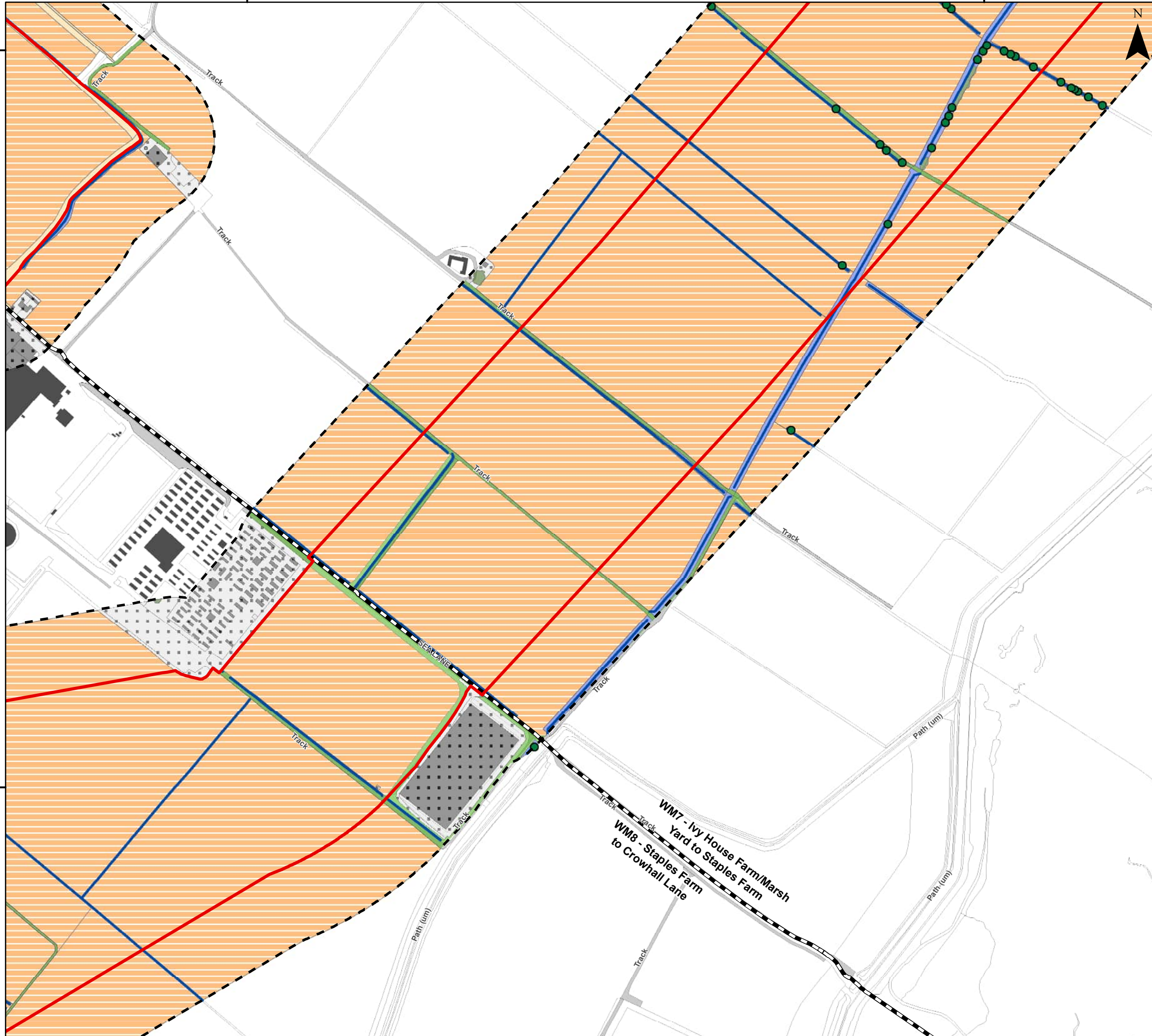
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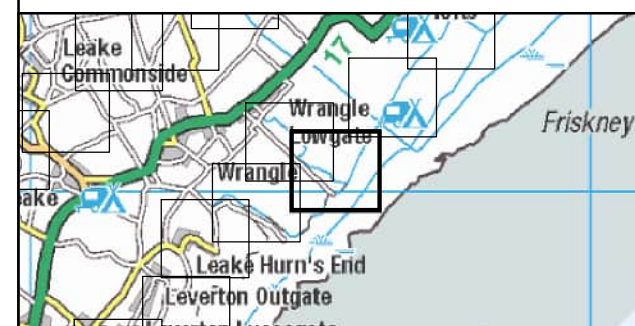
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.25



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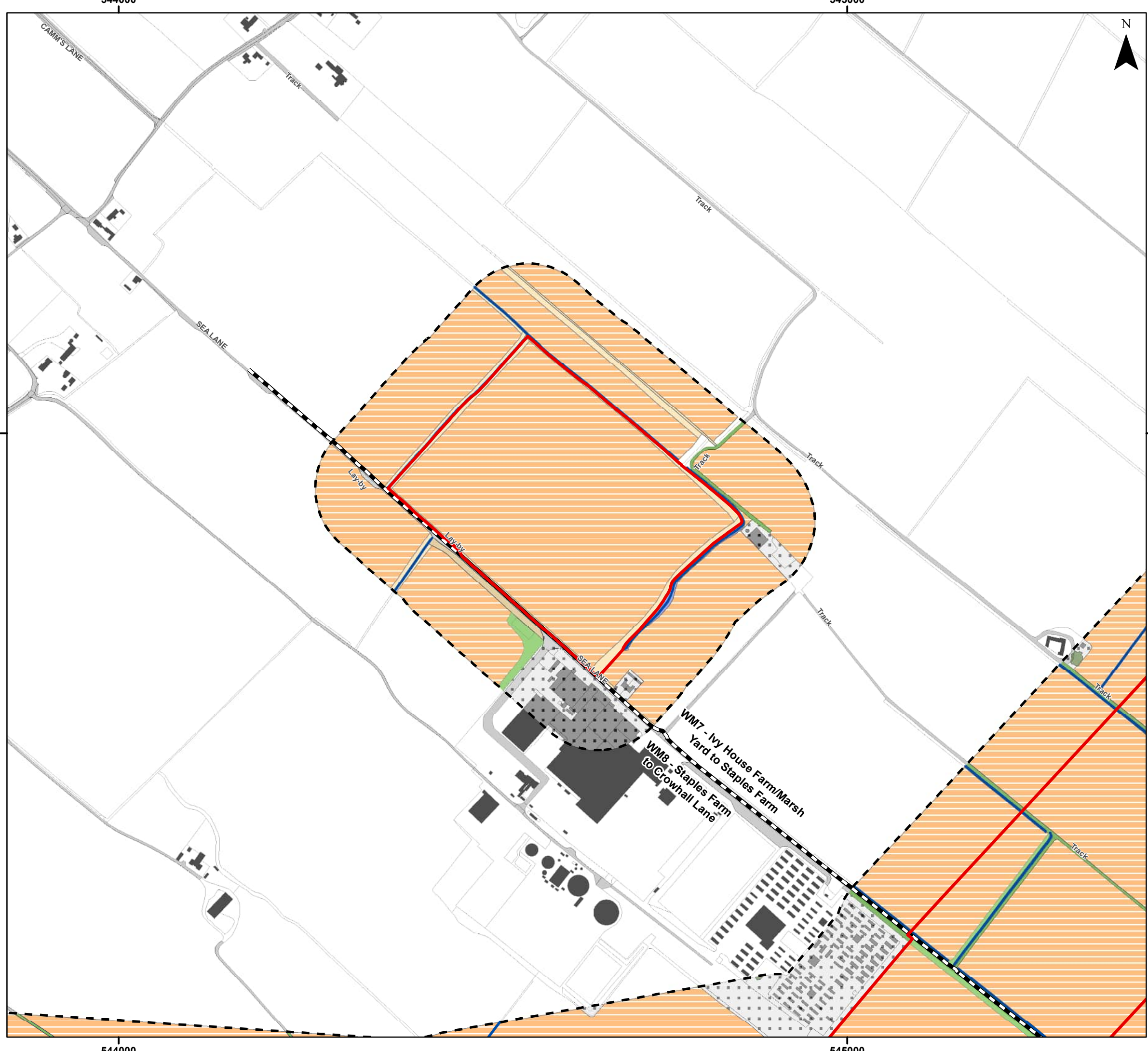
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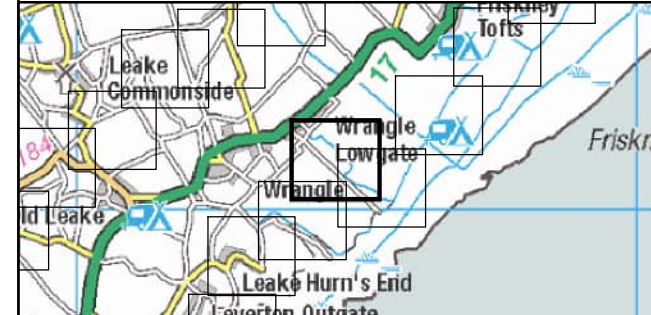
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- UK Habitat Classification**
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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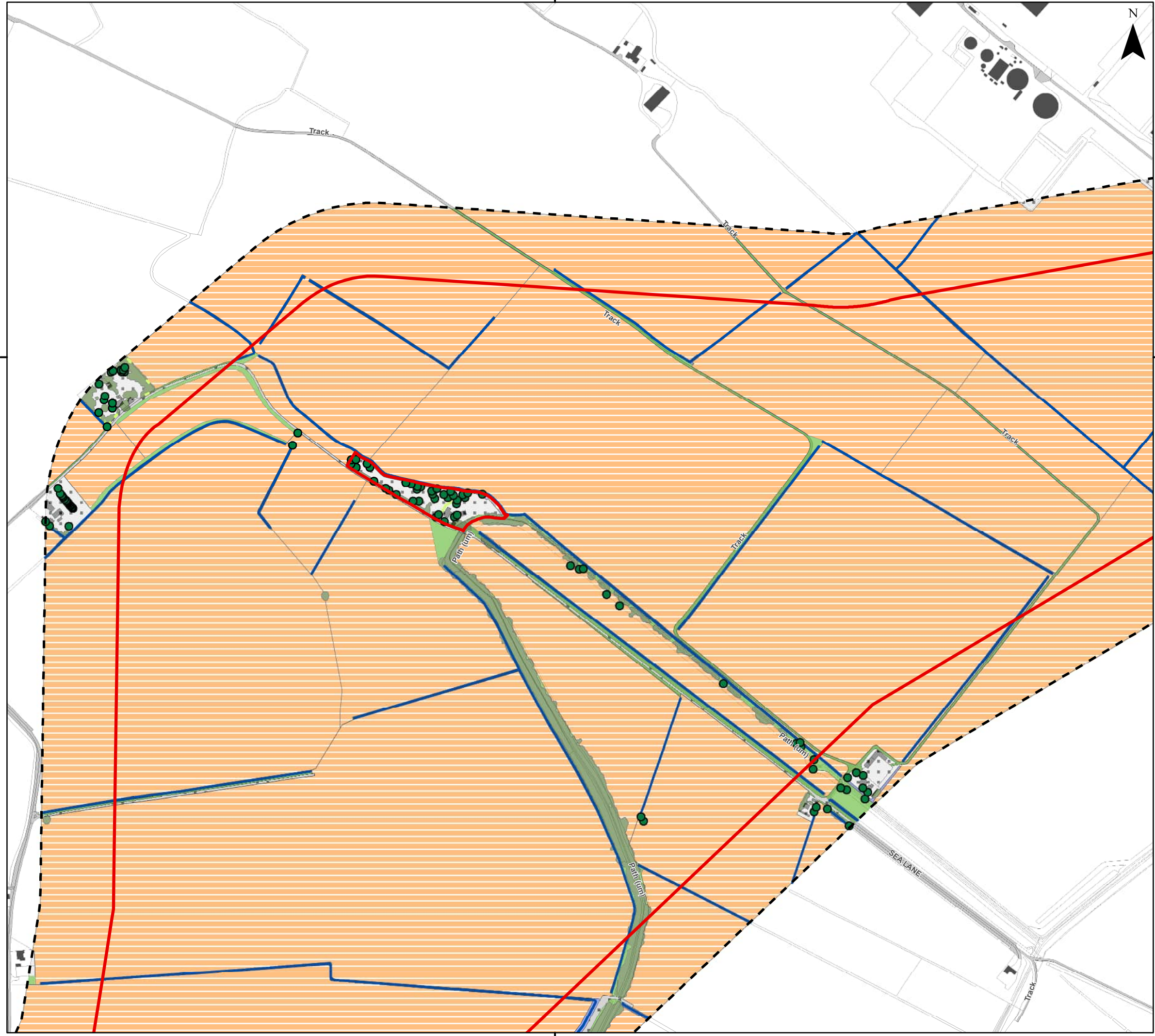
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.26



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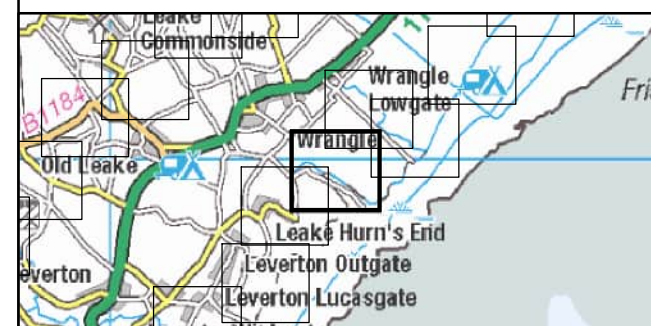


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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



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Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.27

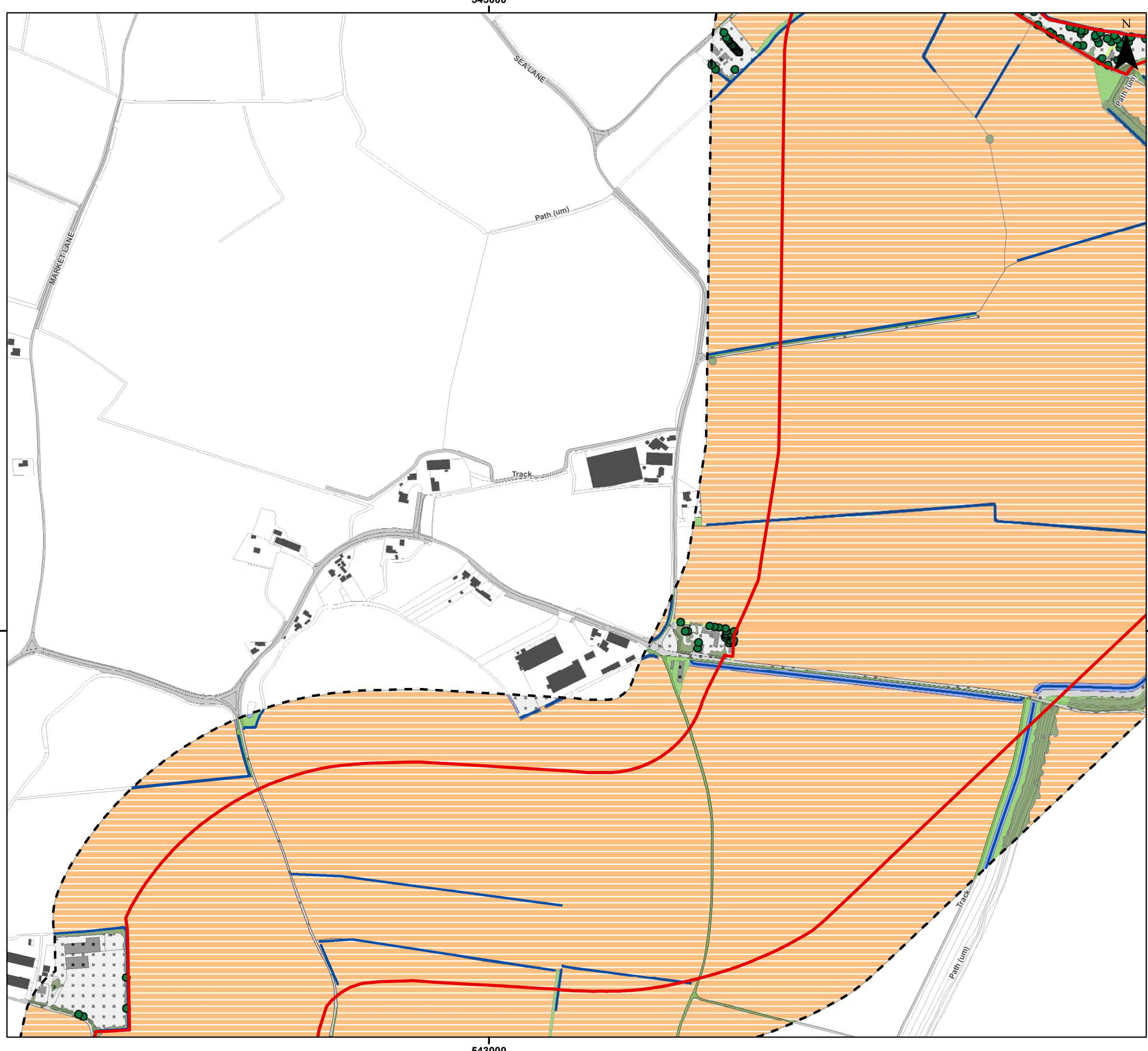


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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.28



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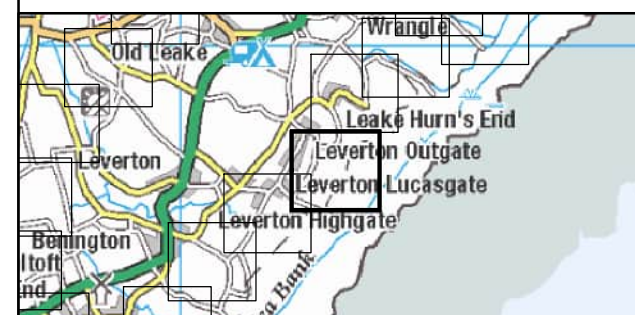


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- ### Legend
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.29



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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

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Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.30



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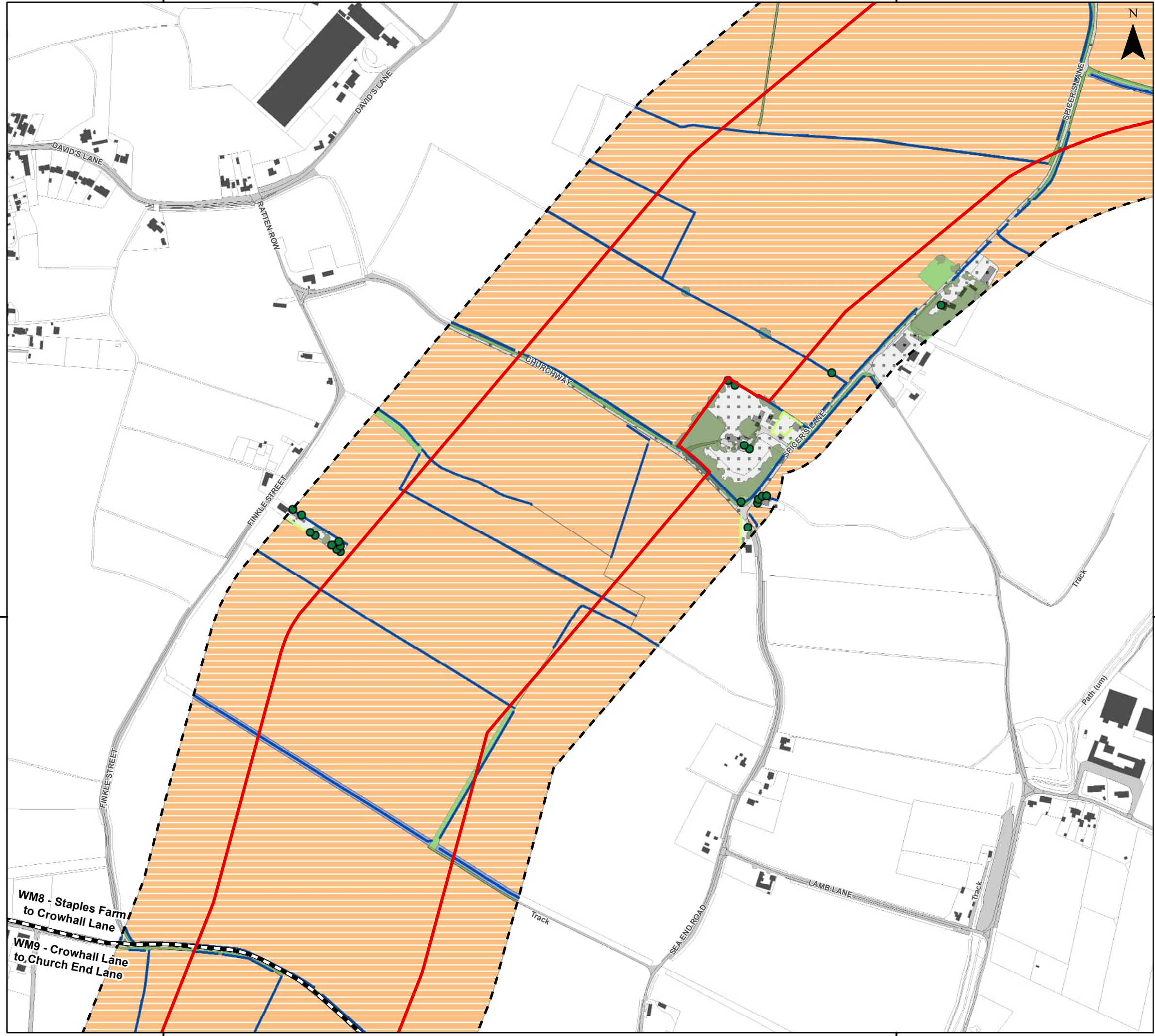


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area West of the A52 (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.31

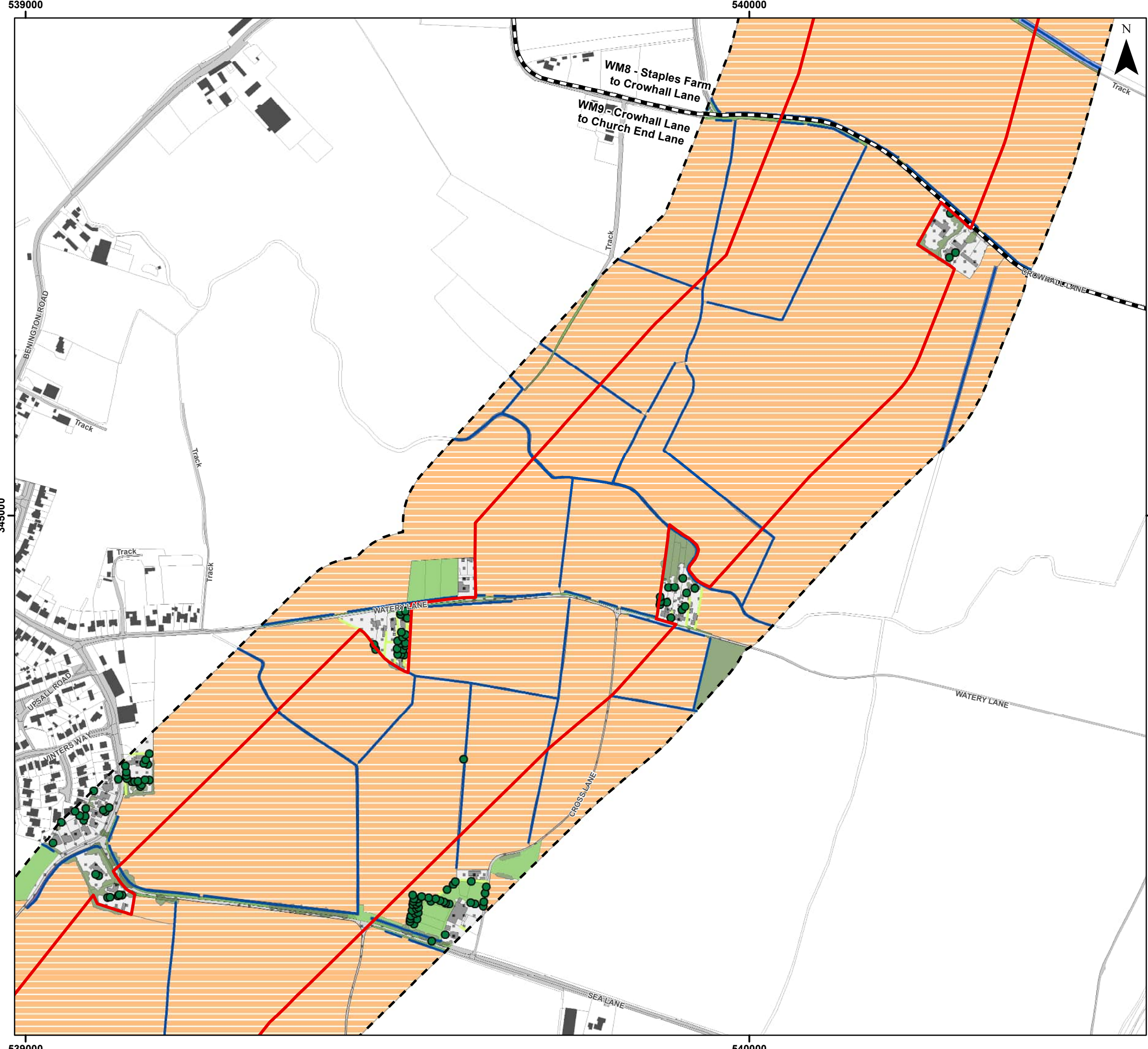


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.32



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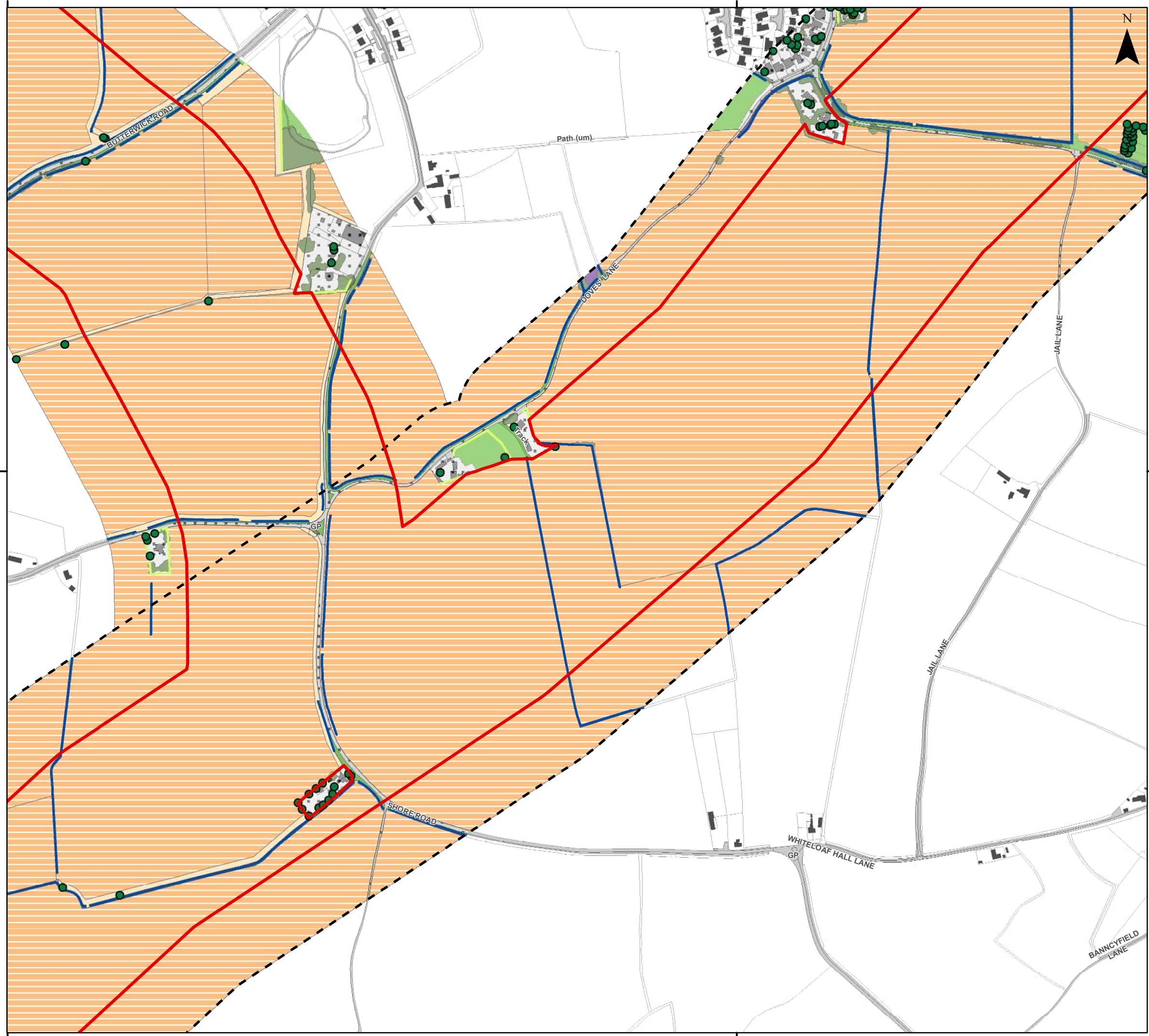
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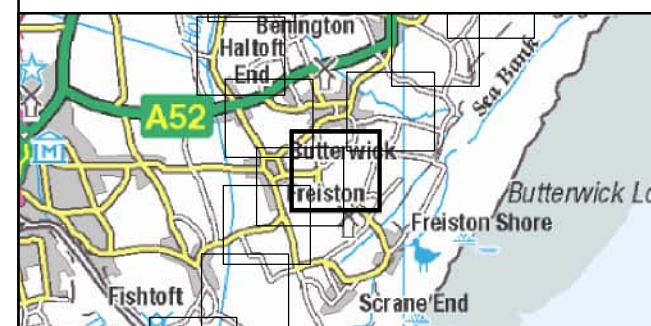
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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.33





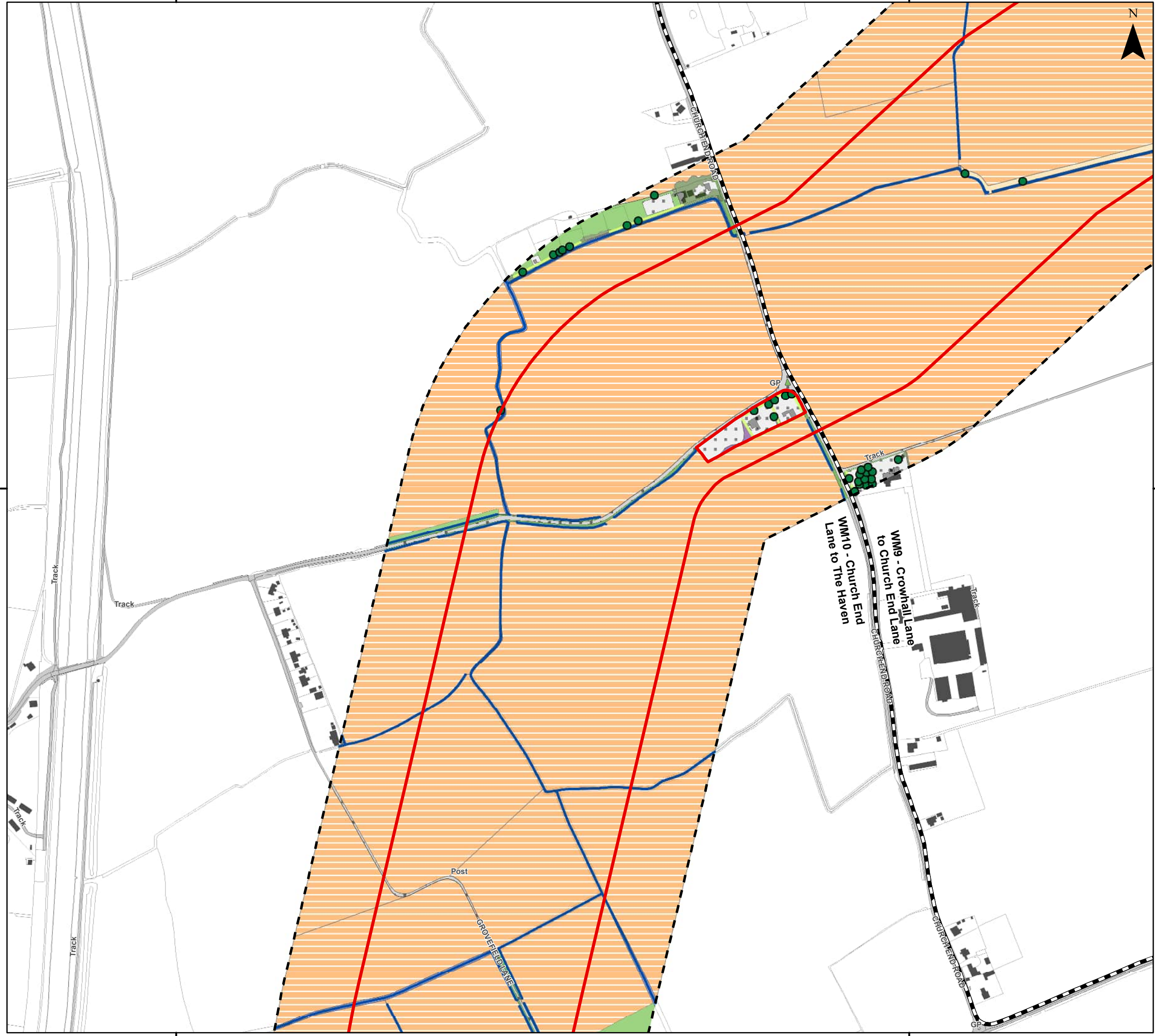
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 0 125 250 Metres  
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 Weston Marsh  
 Habitats within PEIR Boundary  
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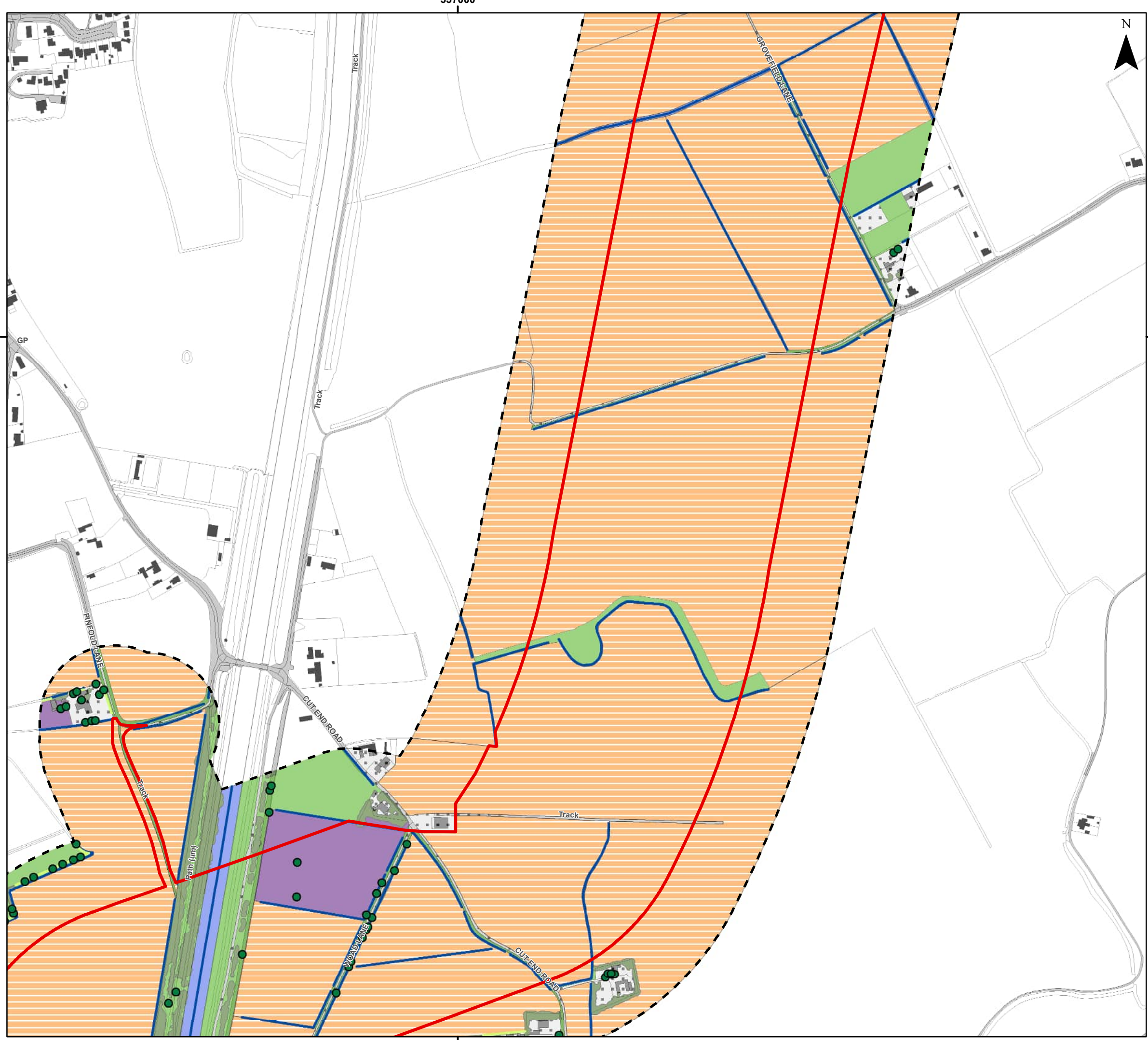
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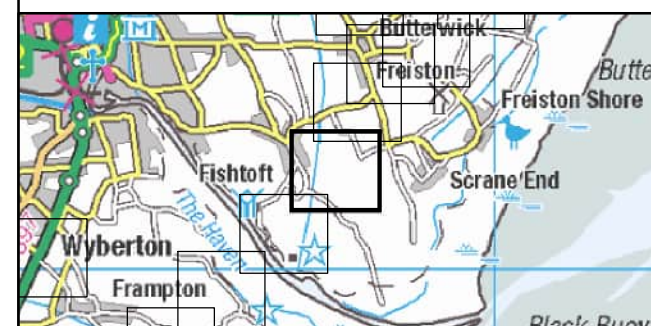
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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland

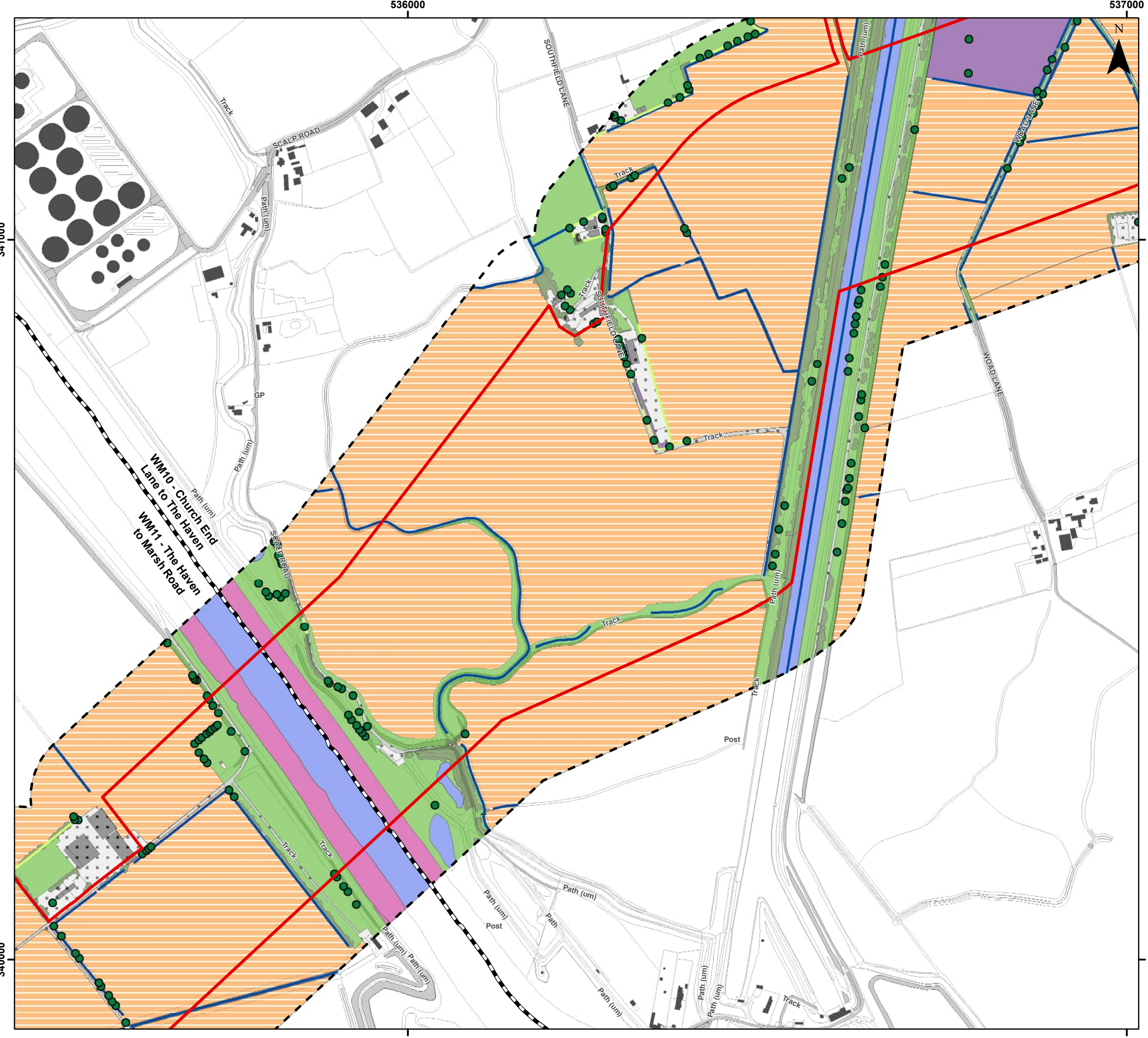


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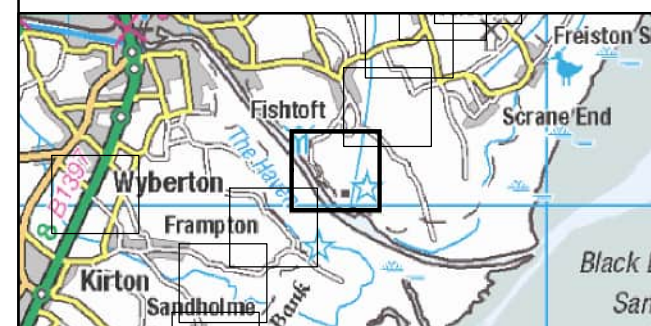
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.35



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Wetland - Fen Marsh and Swamp**
  - f - Wetland
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.36

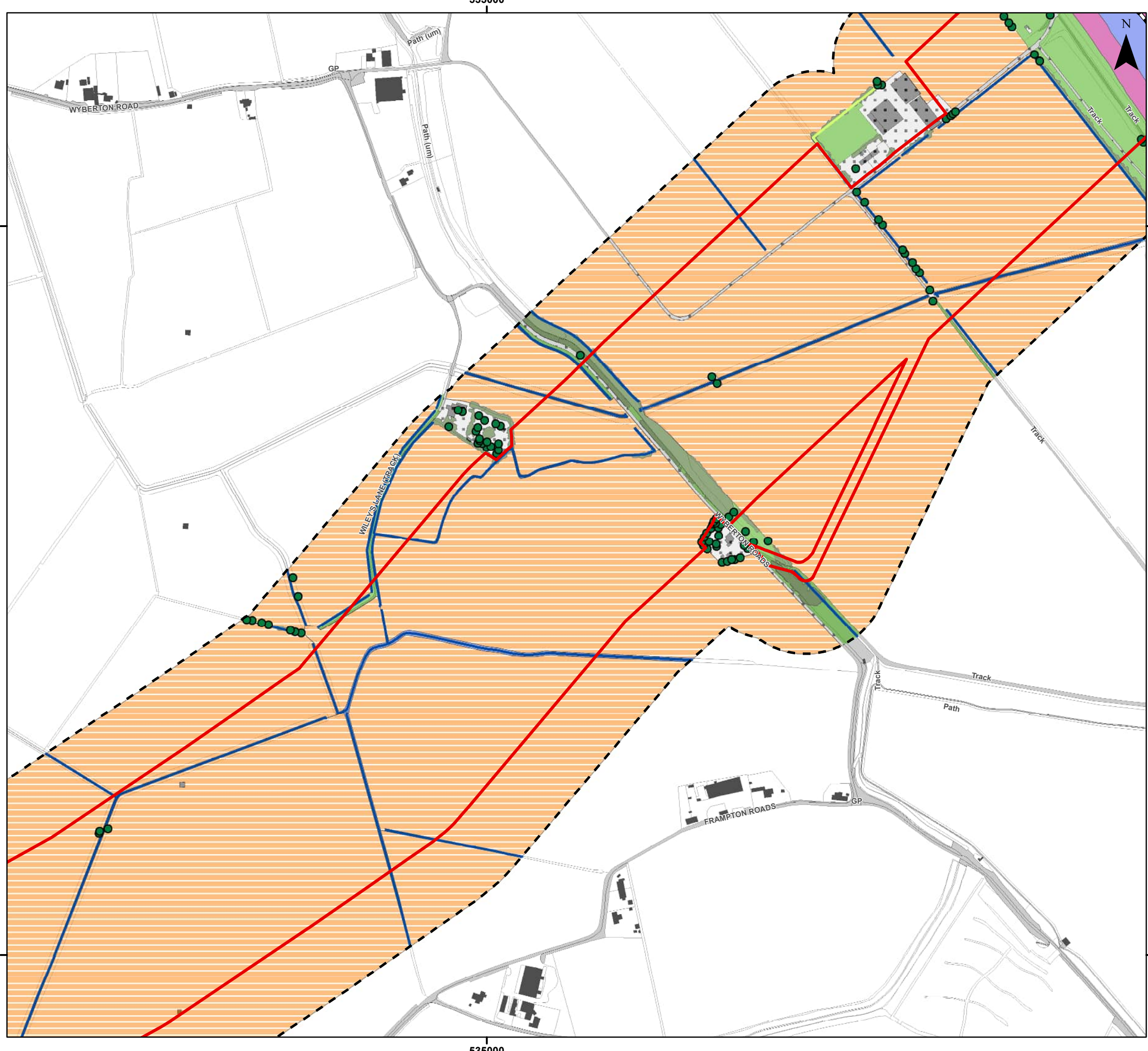




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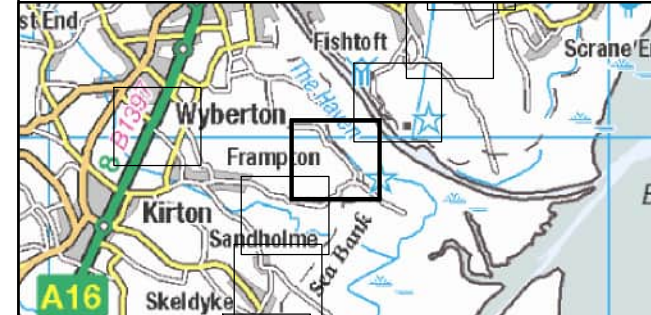
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Wetland - Fen Marsh and Swamp**
- f - Wetland
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland

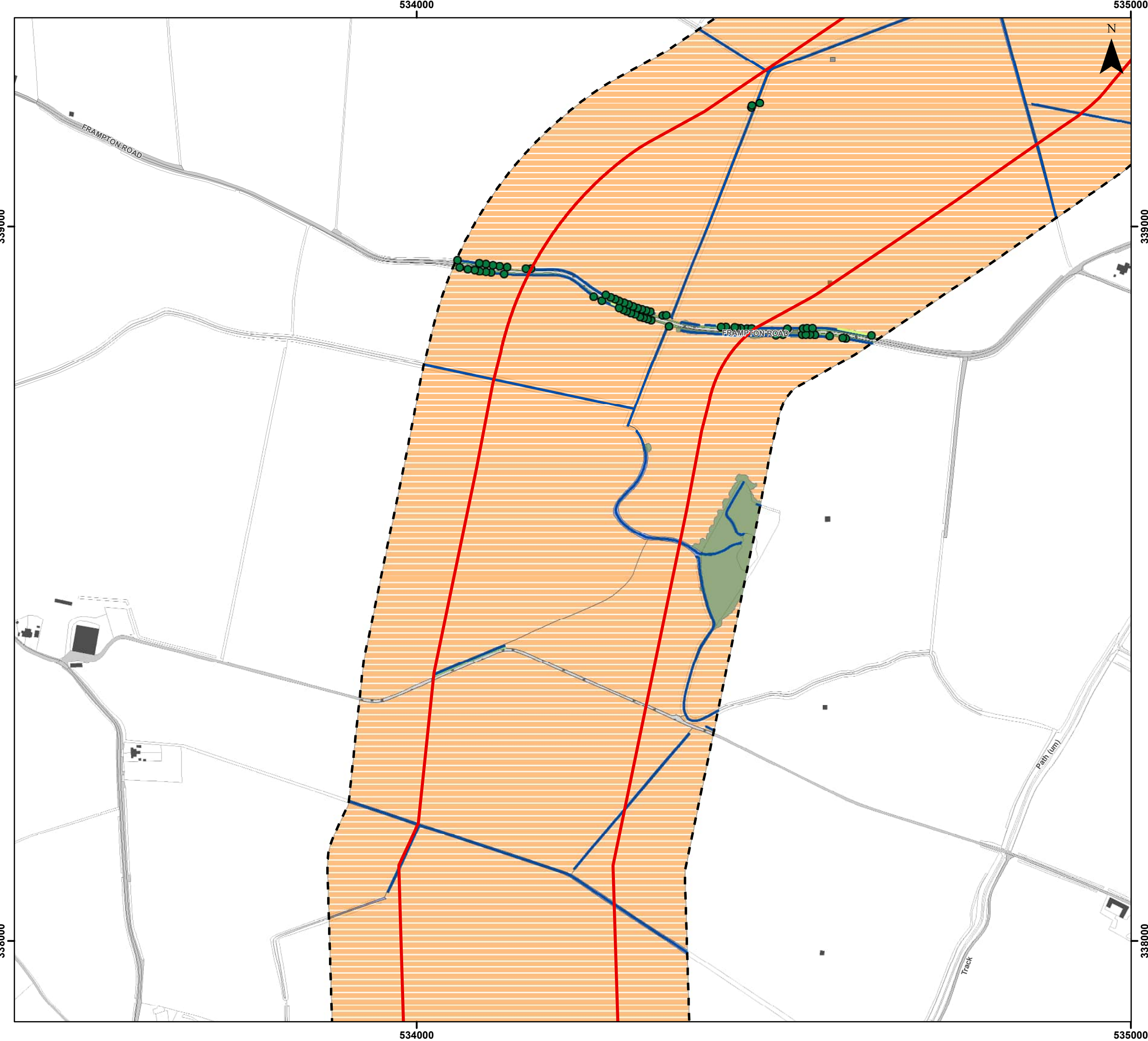


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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.37



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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

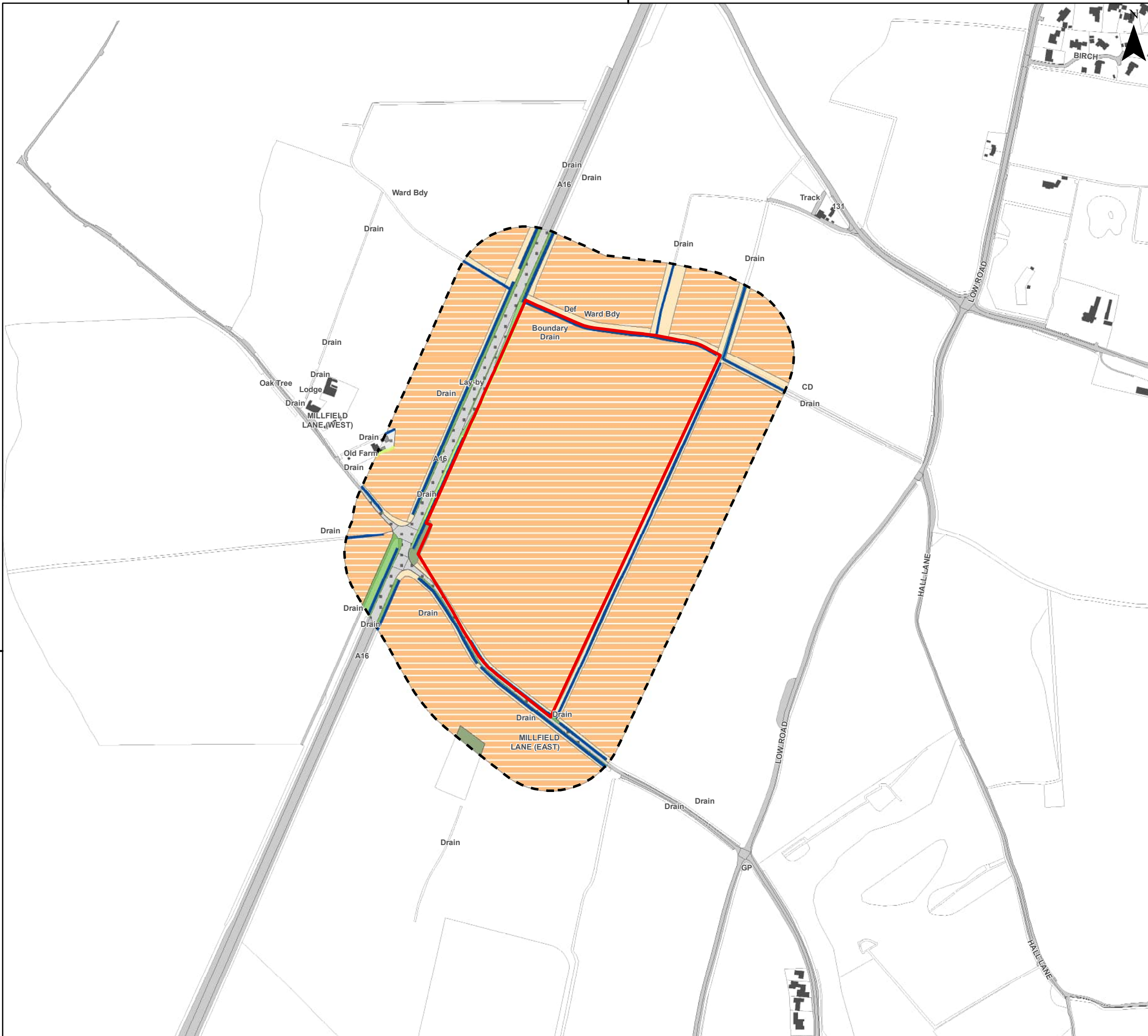
Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.38

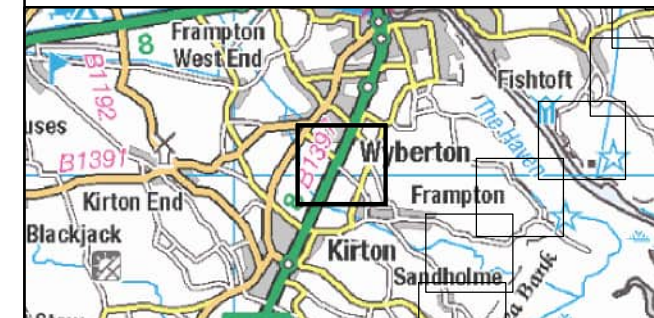


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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Standing Open Water and Canals**
- r1 - Standing Open Water and Canal
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.39





- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

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Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.40



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.41

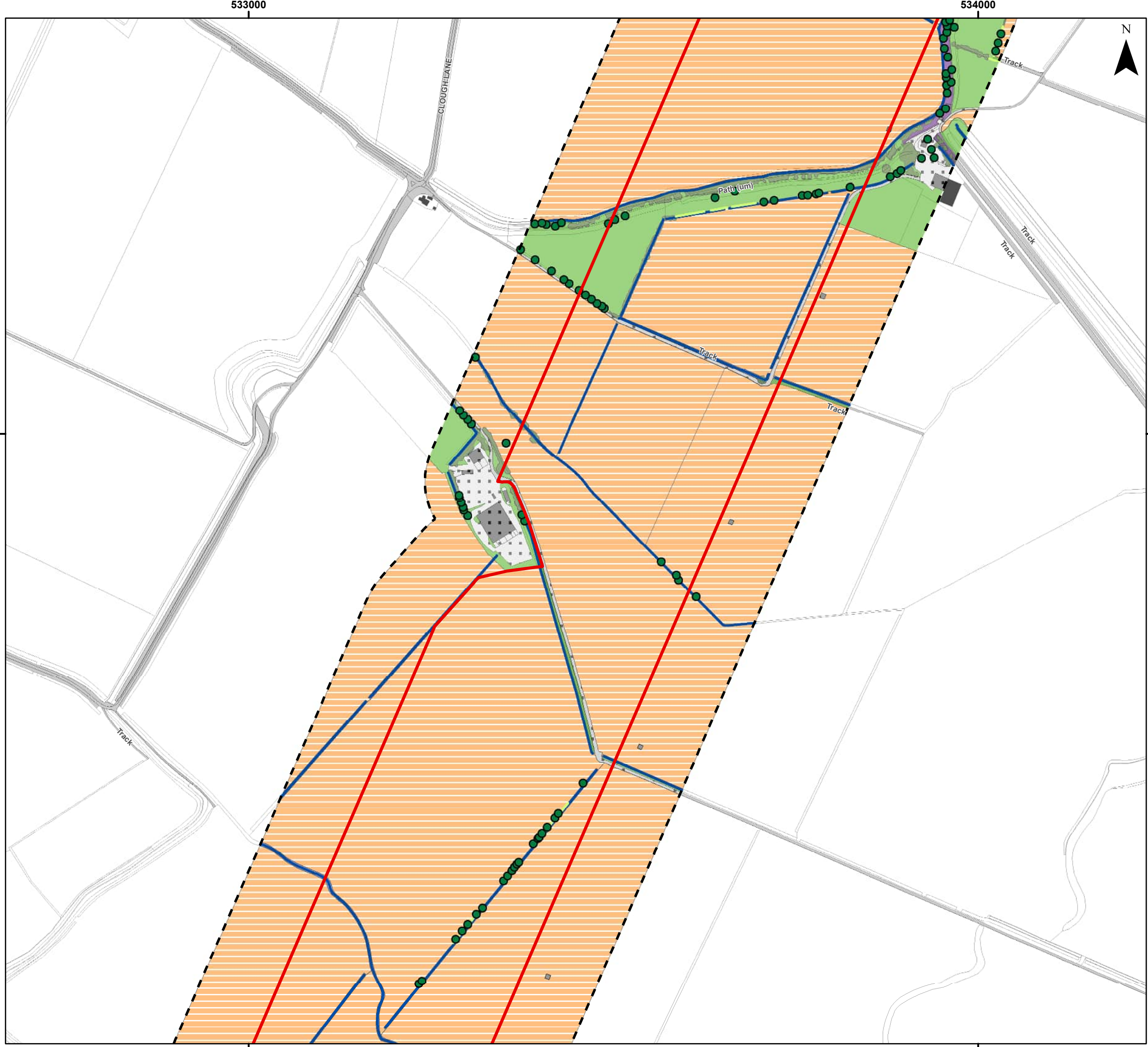


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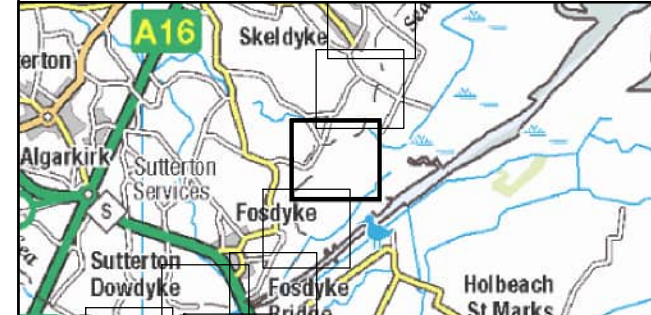
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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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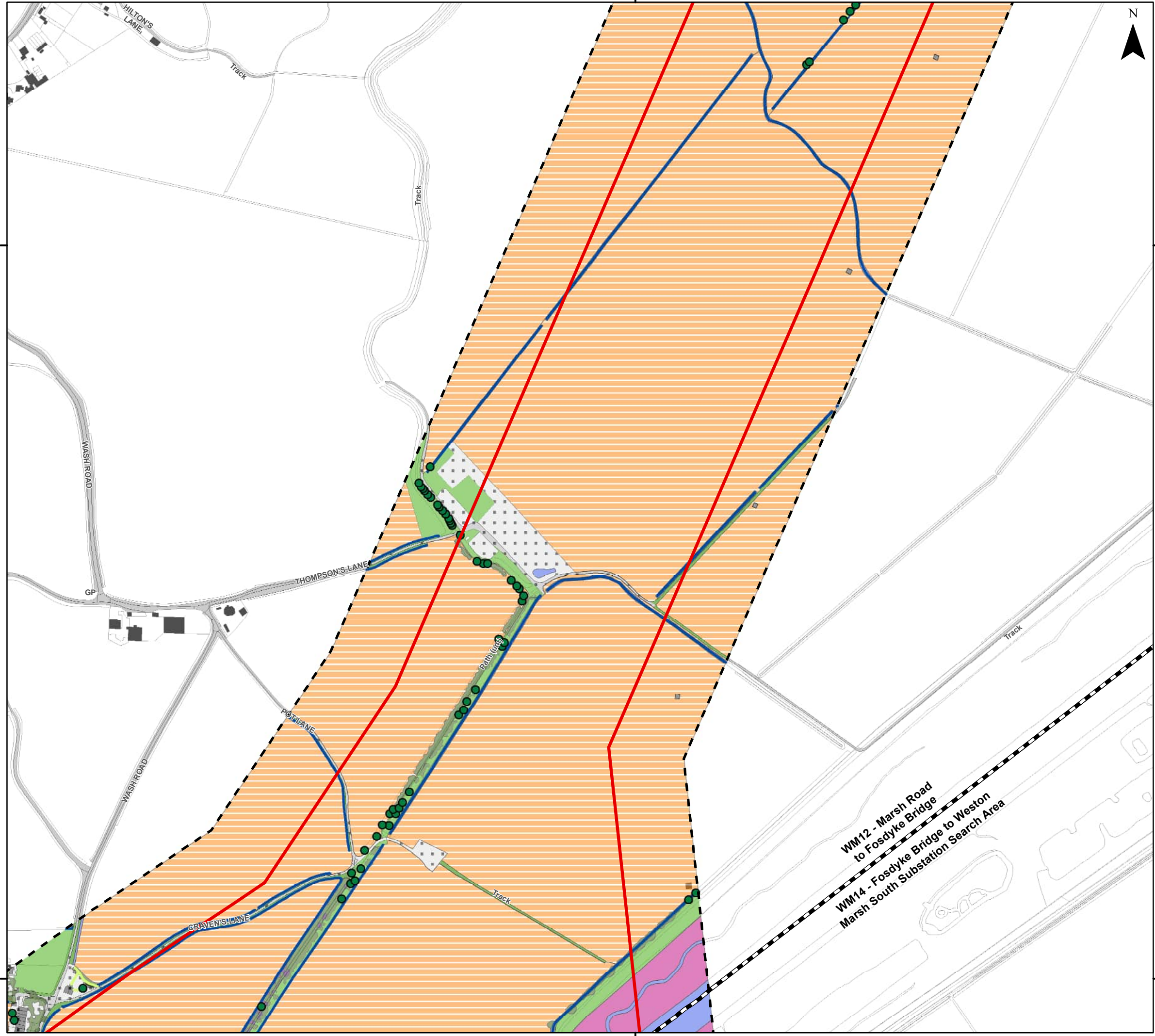
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 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.42



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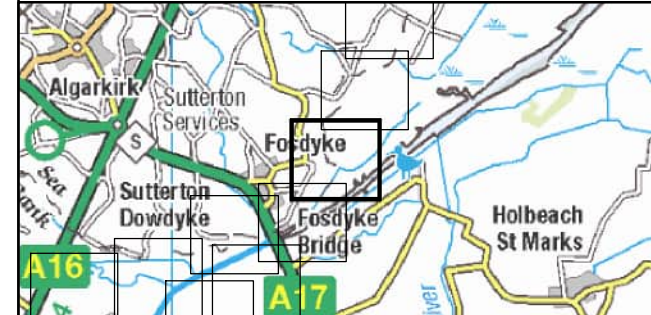
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Wetland - Fen Marsh and Swamp**
- f - Wetland
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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Scale: 1:5,000

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Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.43



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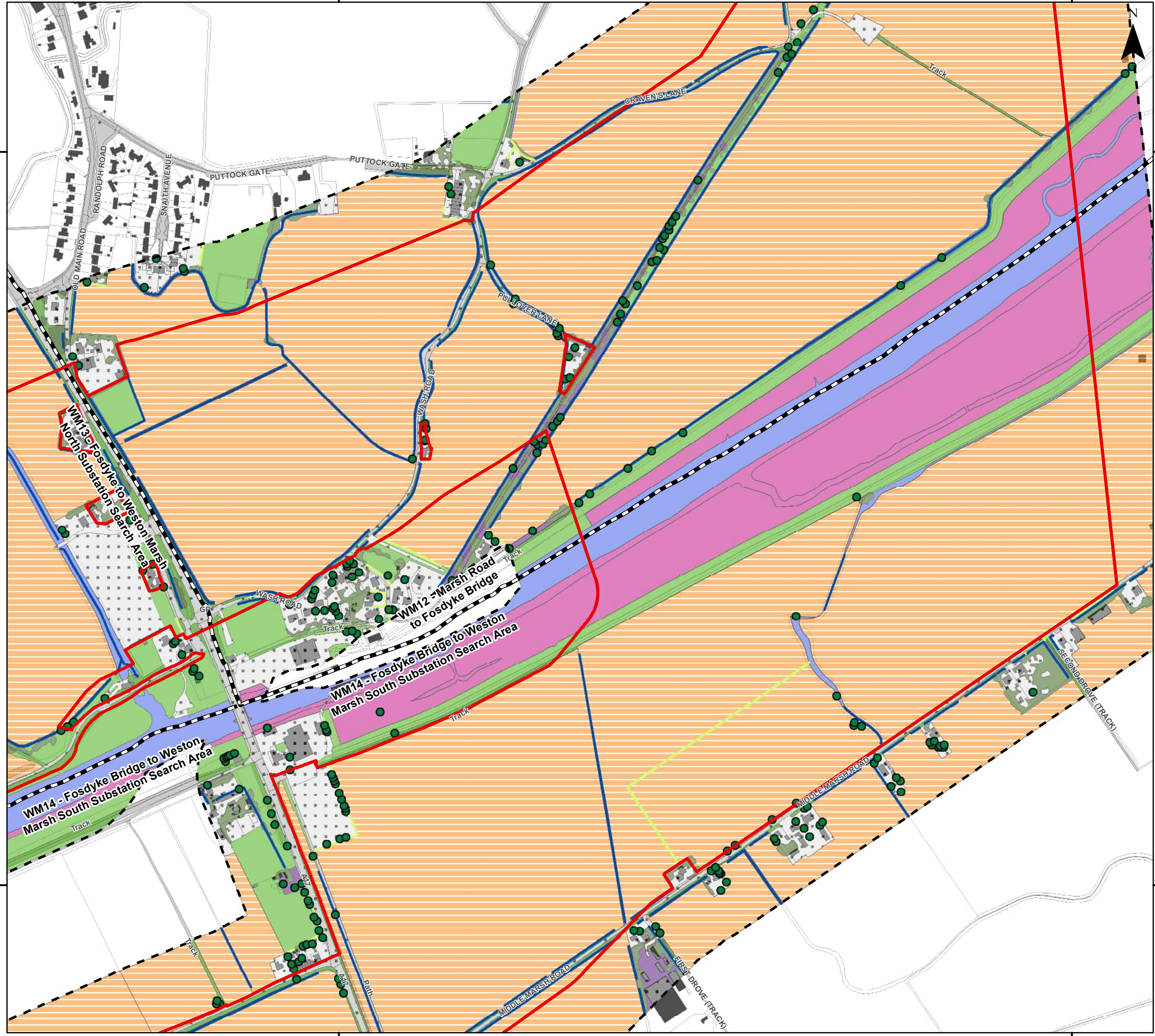
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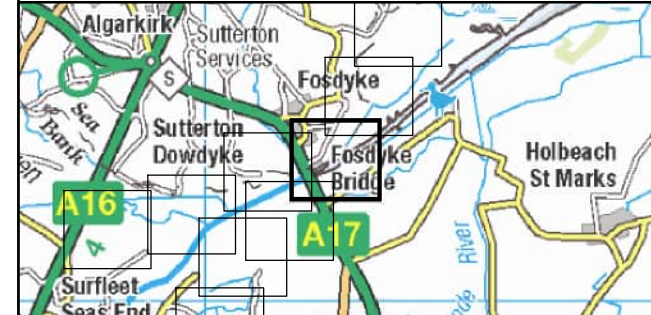
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Wetland - Fen Marsh and Swamp**
- f - Wetland
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 0 125 250 Metres  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.44

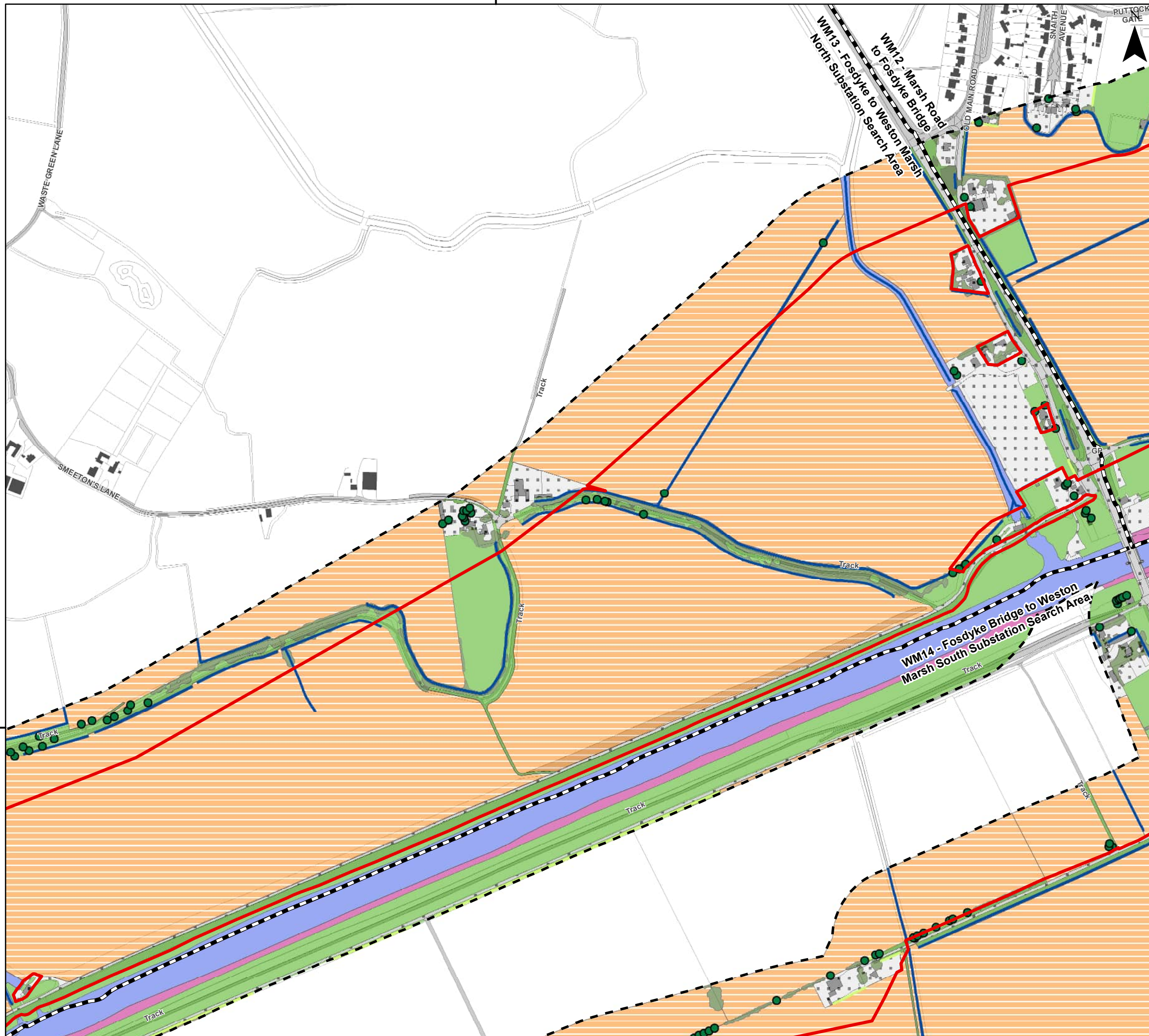


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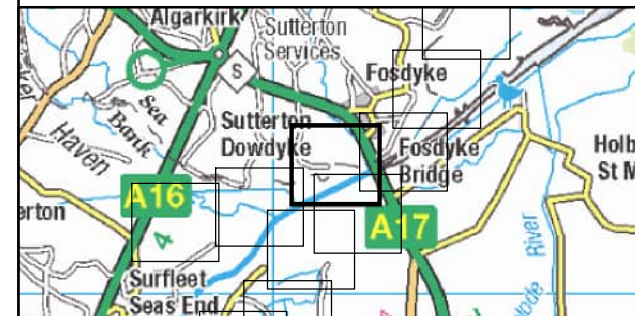
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Wetland - Fen Marsh and Swamp**
- f - Wetland
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



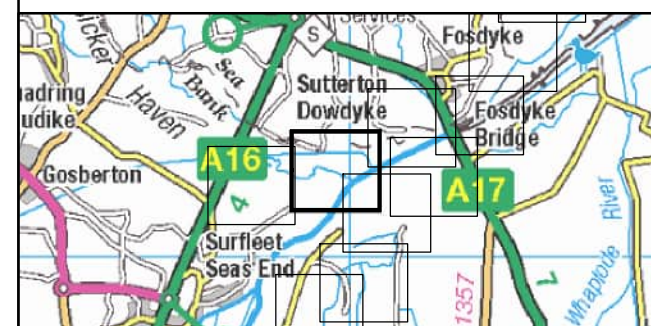
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 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.45





- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Wetland - Fen Marsh and Swamp**
- f - Wetland
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

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Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.46

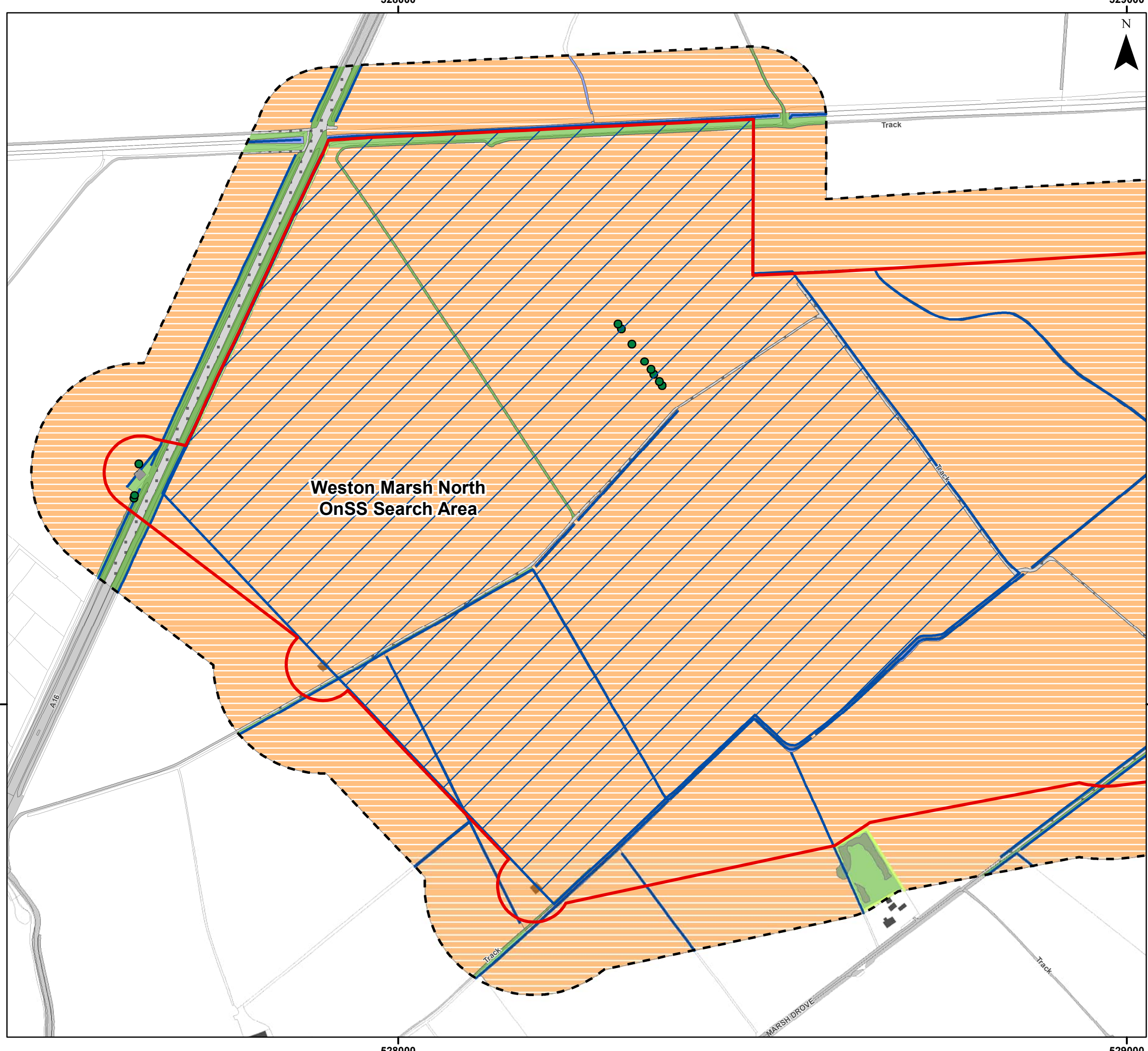


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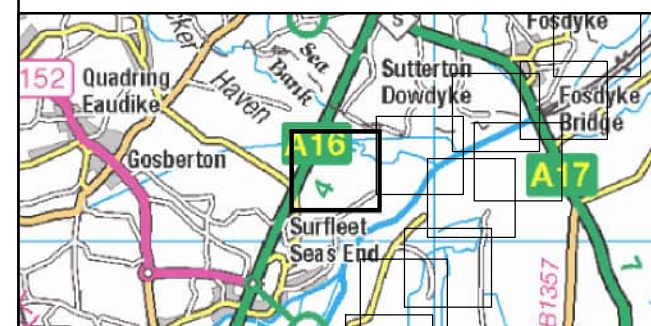


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- Legend**
- Onshore PEIR Boundary
  - Weston Marsh North OnSS Search Area
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

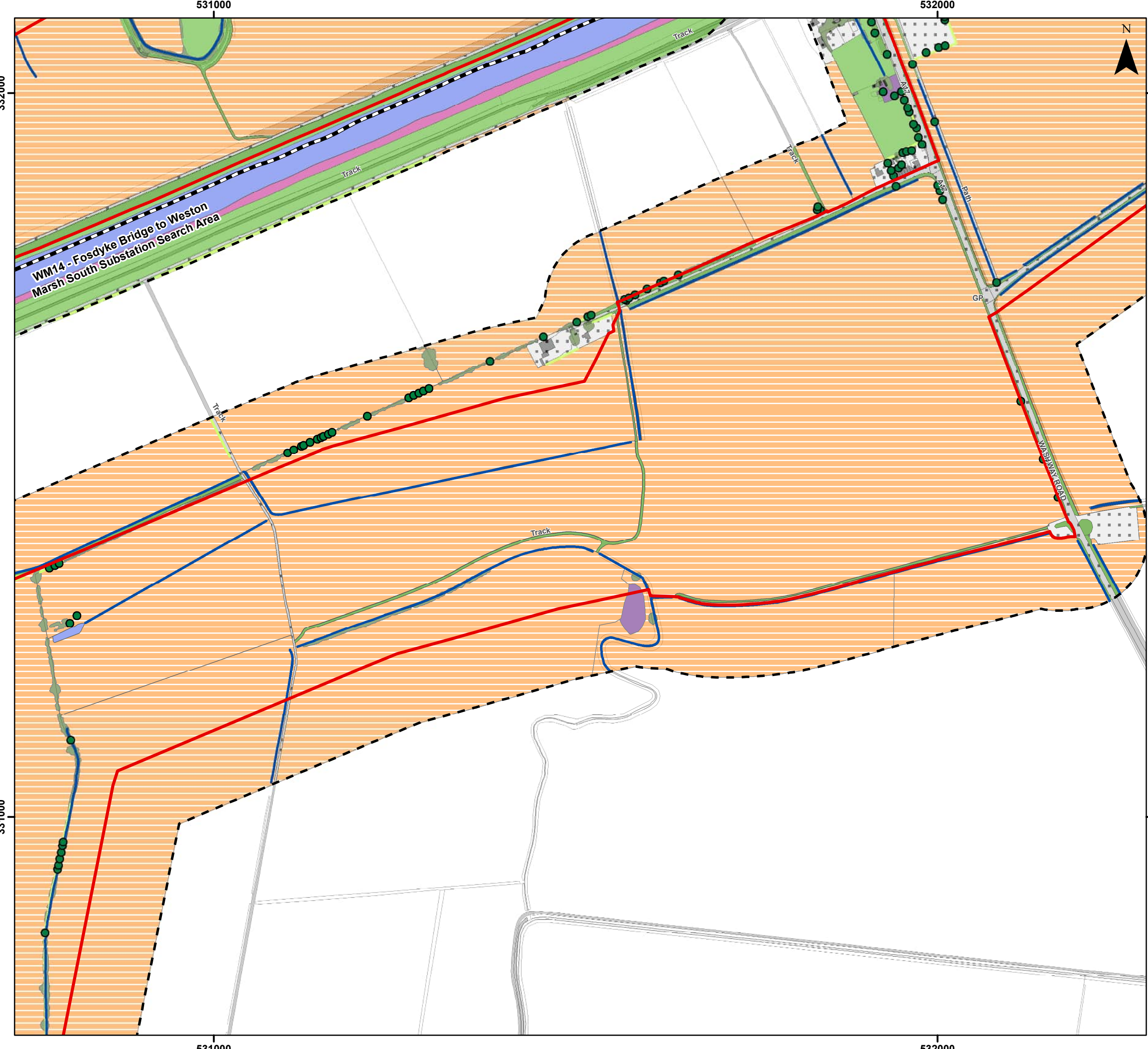
Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

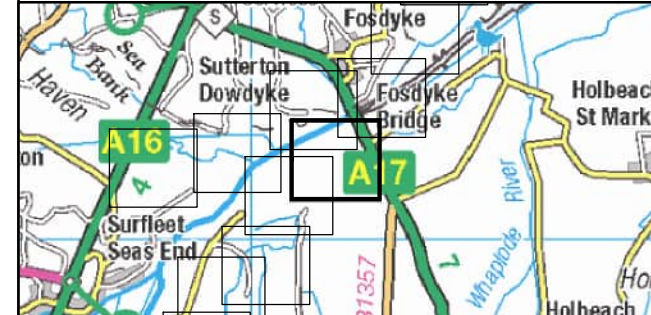
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Heathland and Shrub - Dense Scrub**
  - h3 - Dense Scrub
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Wetland - Fen Marsh and Swamp**
  - f - Wetland
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.48

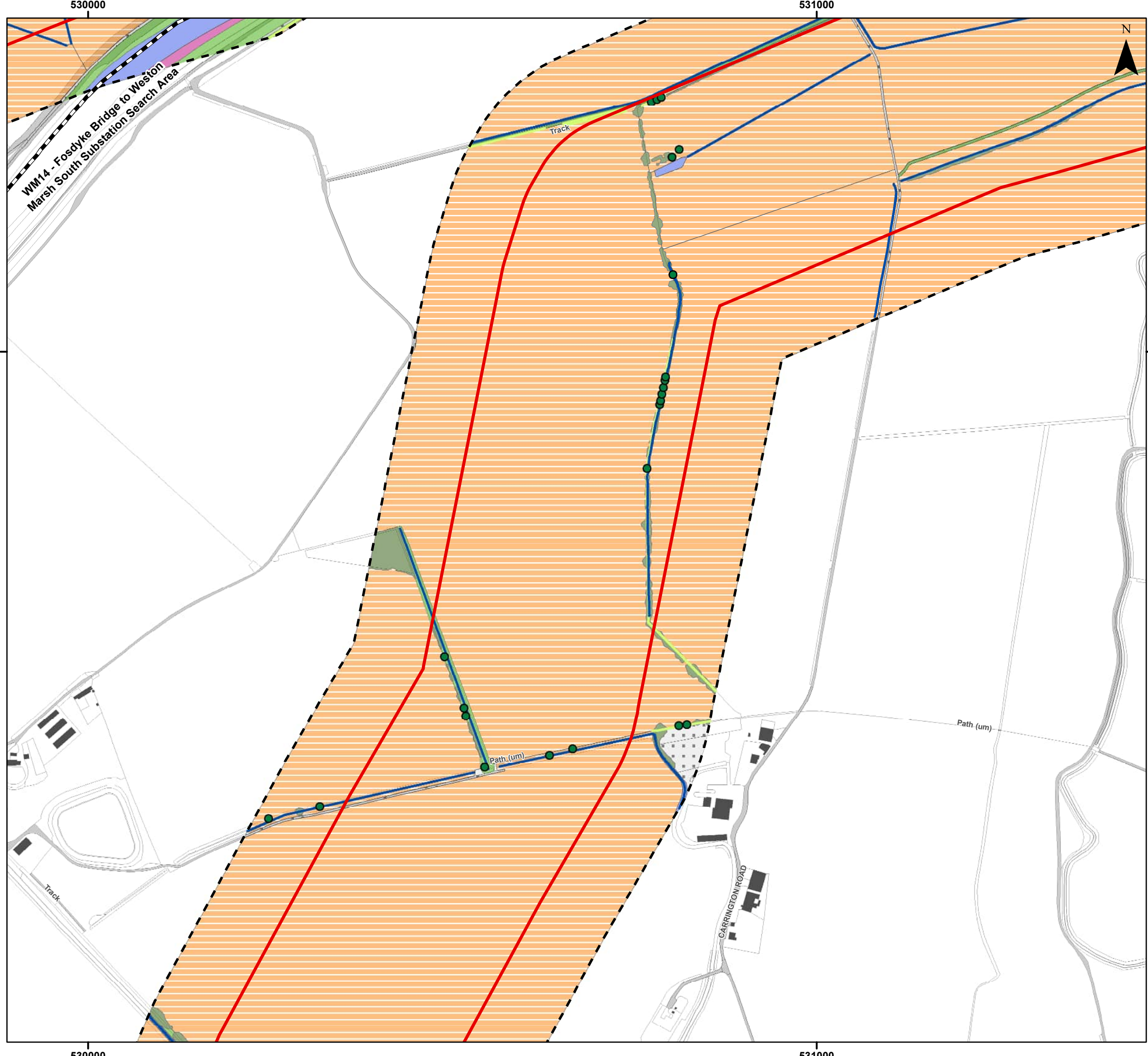




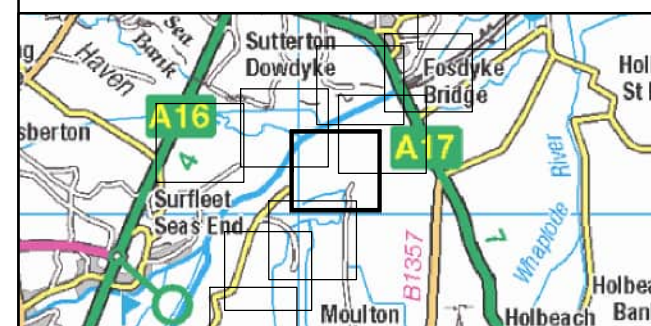
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Wetland - Fen Marsh and Swamp**
- f - Wetland
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.49



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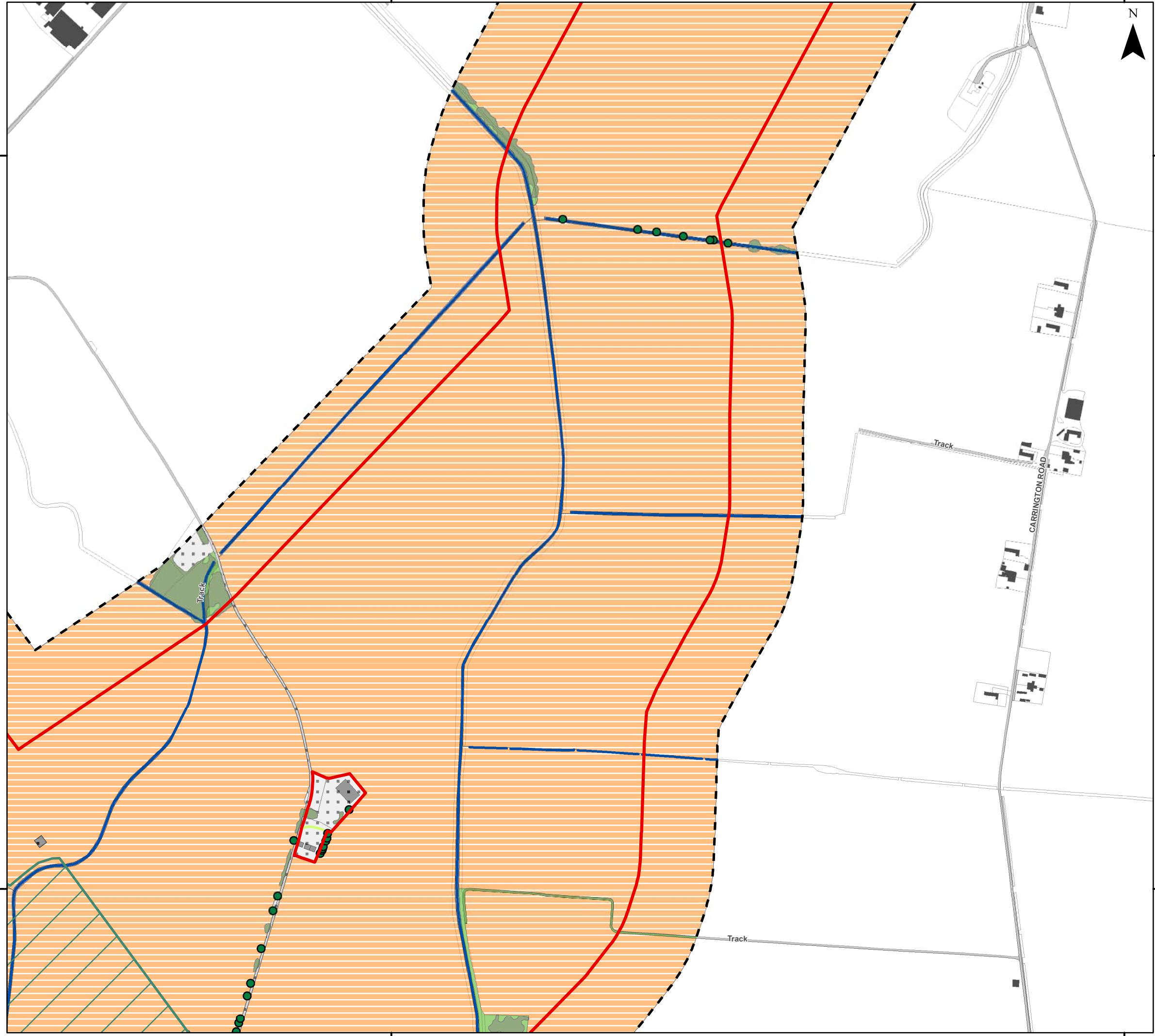
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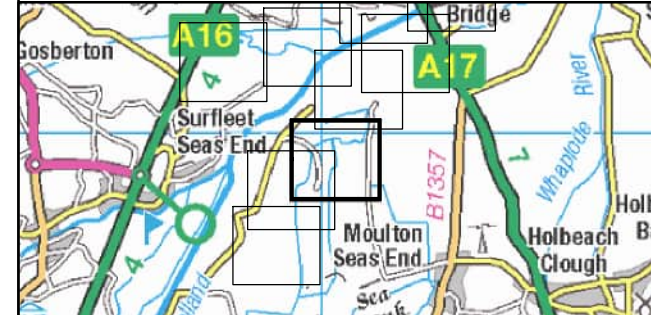
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### Legend

-  Onshore PEIR Boundary
-  Habitat Survey Area Weston Marsh (via South of the A52)
-  Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
-  h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
-  r2 - River and Stream
- Cropland - Arable and Horticulture**
-  c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
-  g - Grassland
- Rivers and Lakes - Rivers and Streams**
-  r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
-  u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
-  w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.50



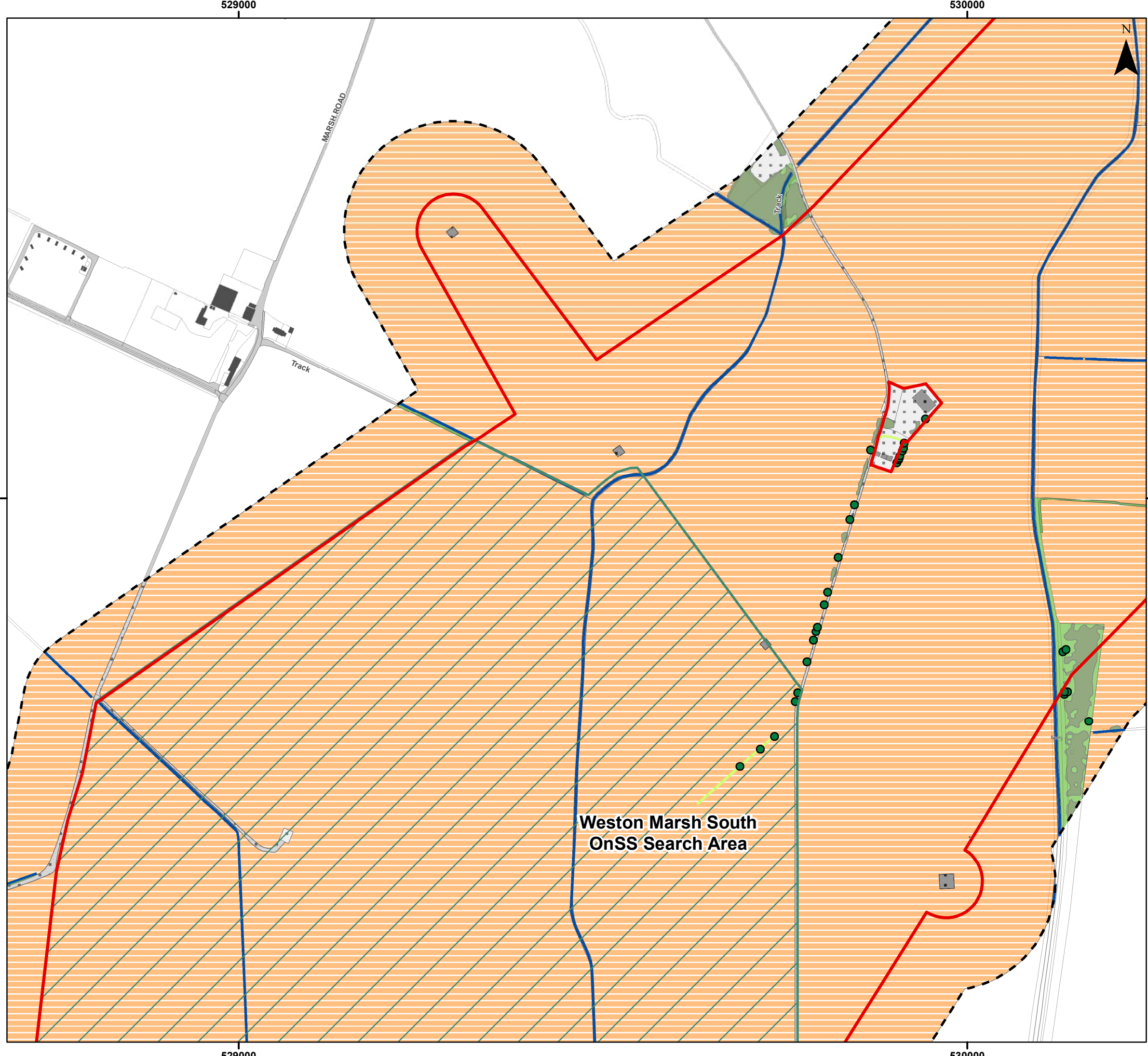
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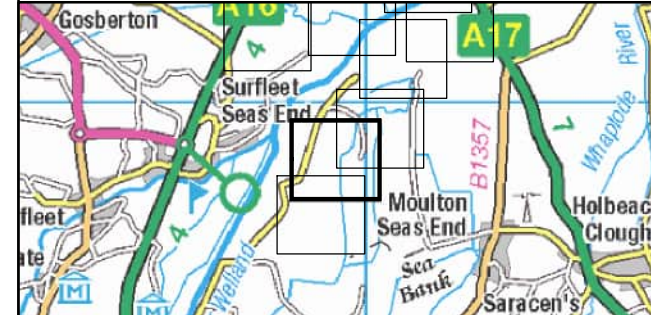
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- Legend**
- Onshore PEIR Boundary
  - Weston Marsh South OnSS Search Area
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland

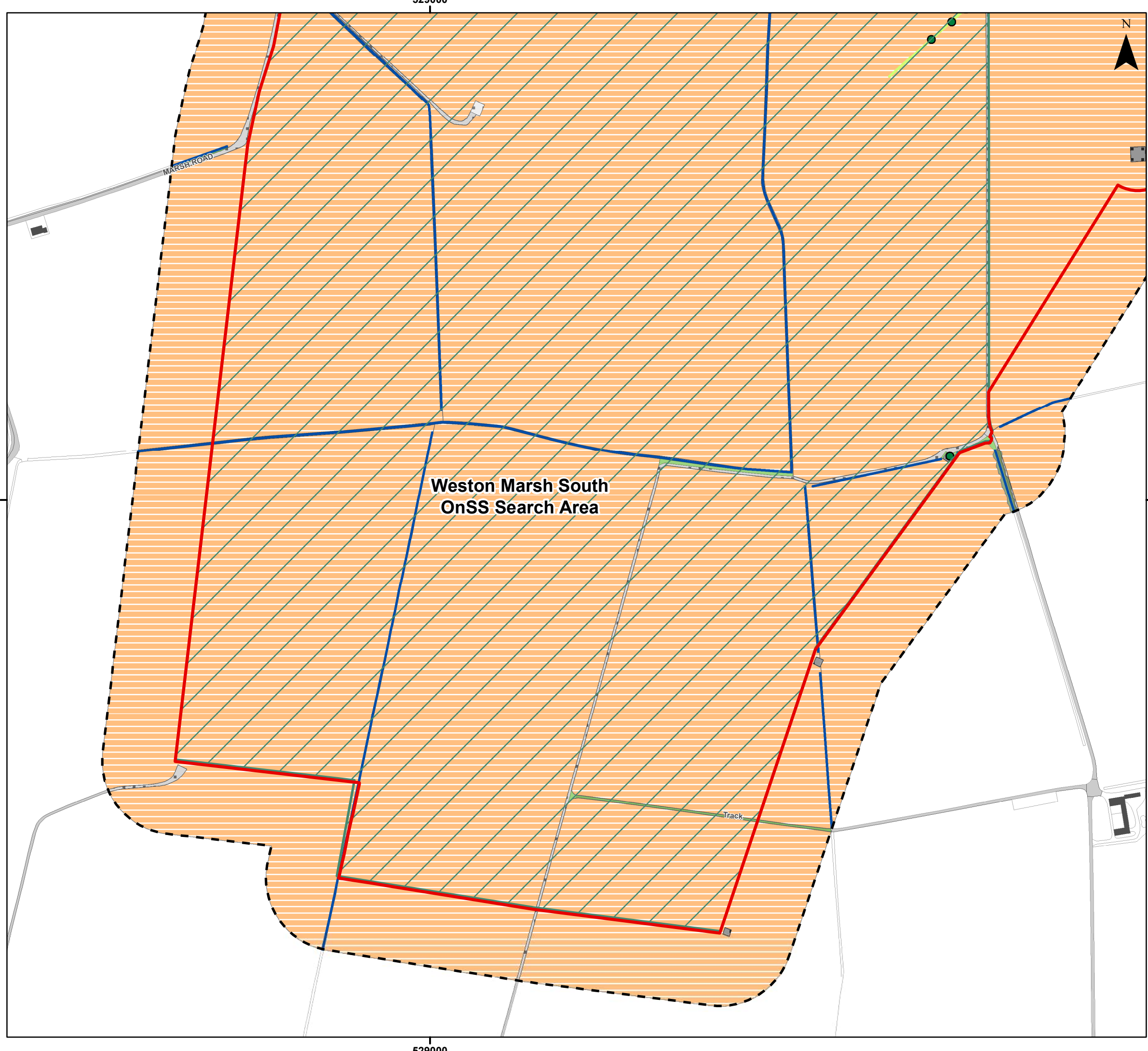


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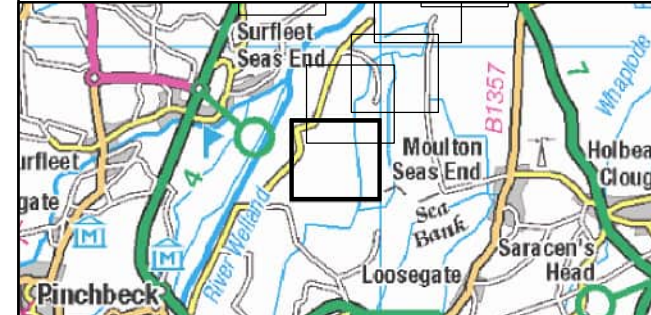
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.51



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- Legend**
- Onshore PEIR Boundary
  - Weston Marsh South OnSS Search Area
  - Habitat Survey Area Weston Marsh (via South of the A52)
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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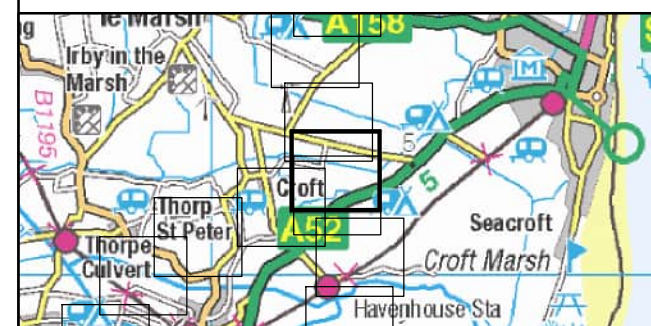
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.52



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

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Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.53

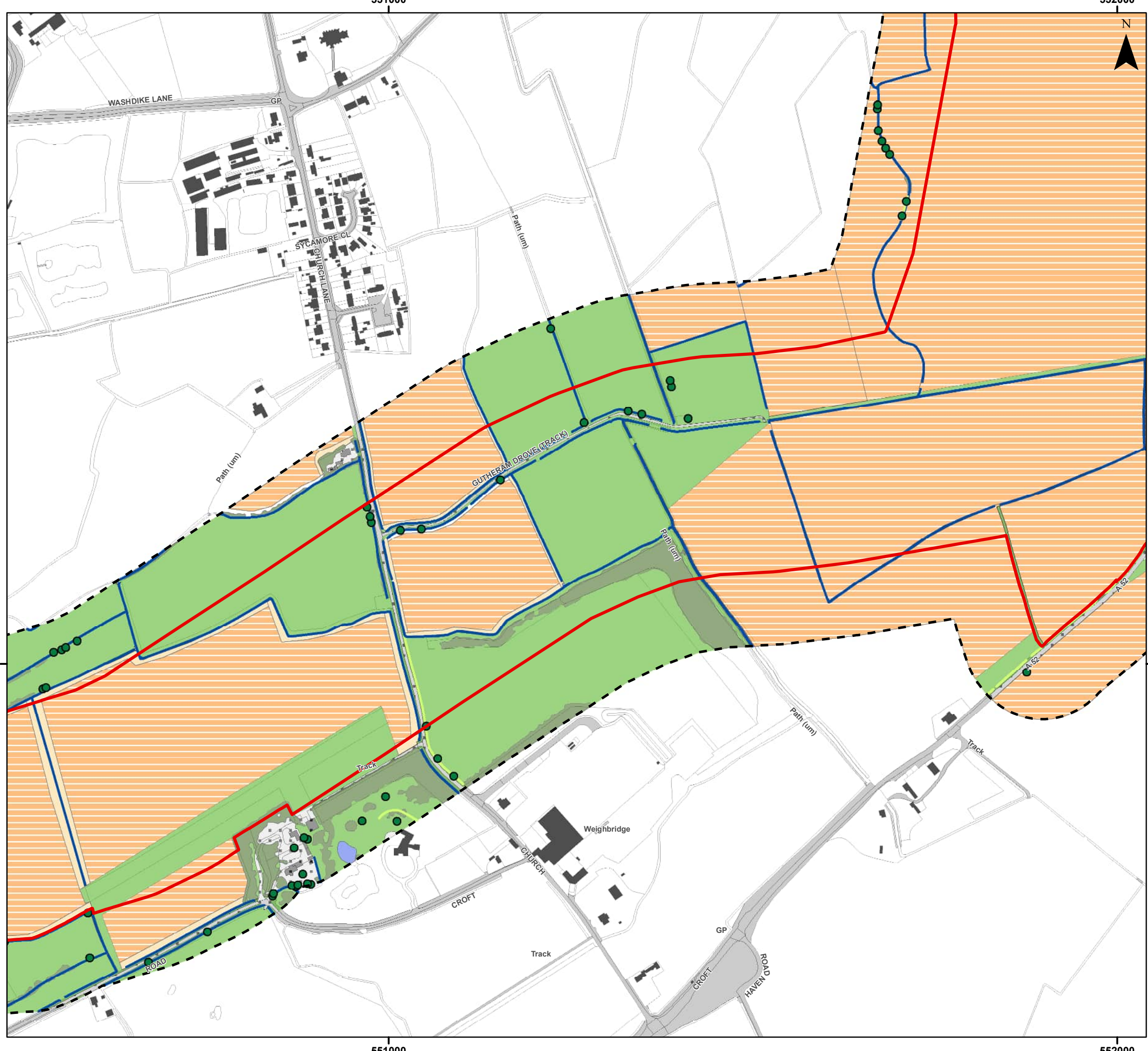


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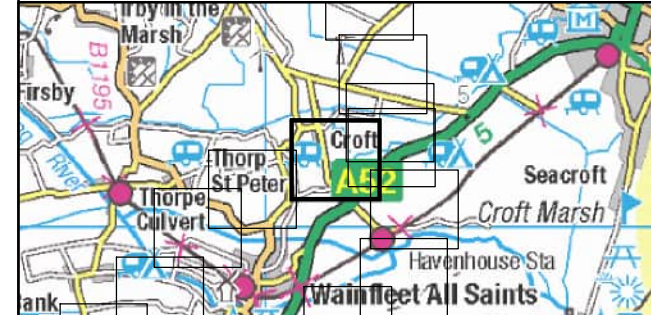


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- ### Legend
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - c1a - Arable Field Margins
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.54

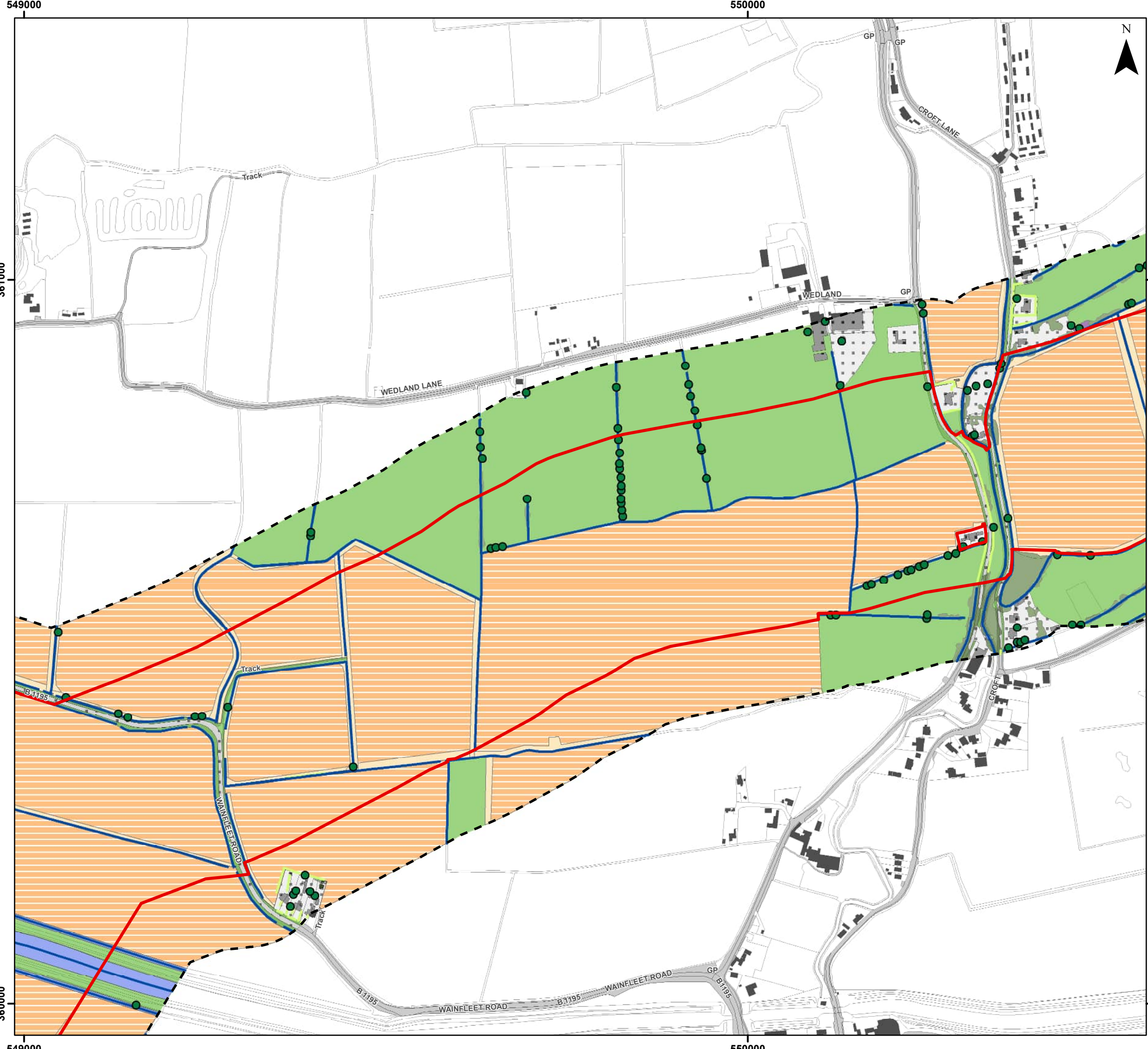


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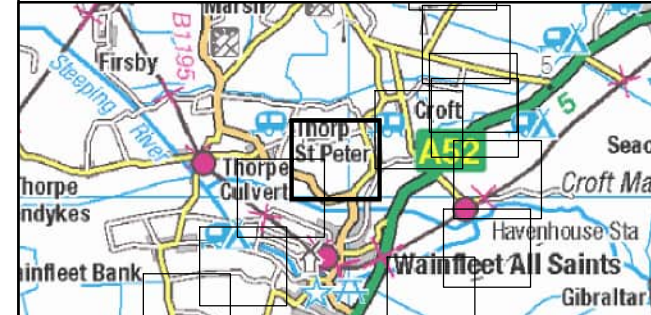
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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.55

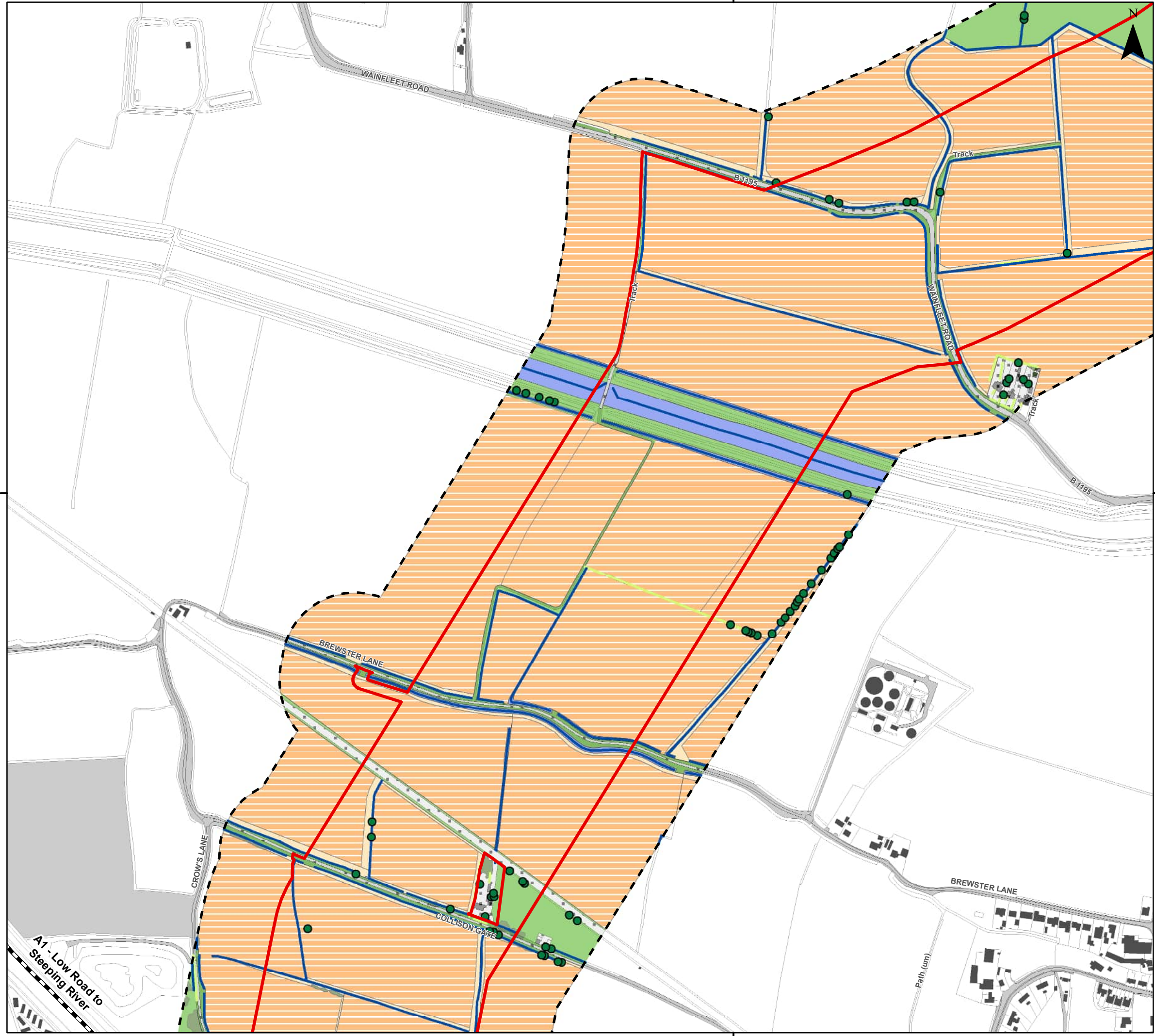


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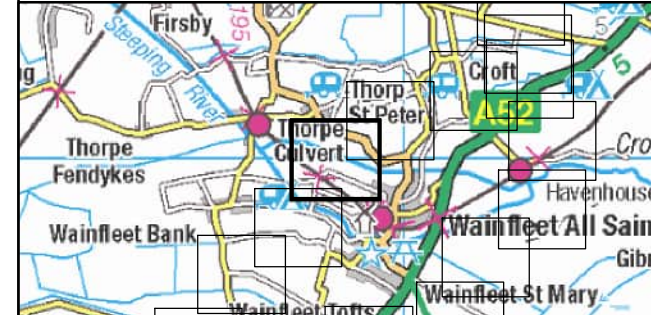
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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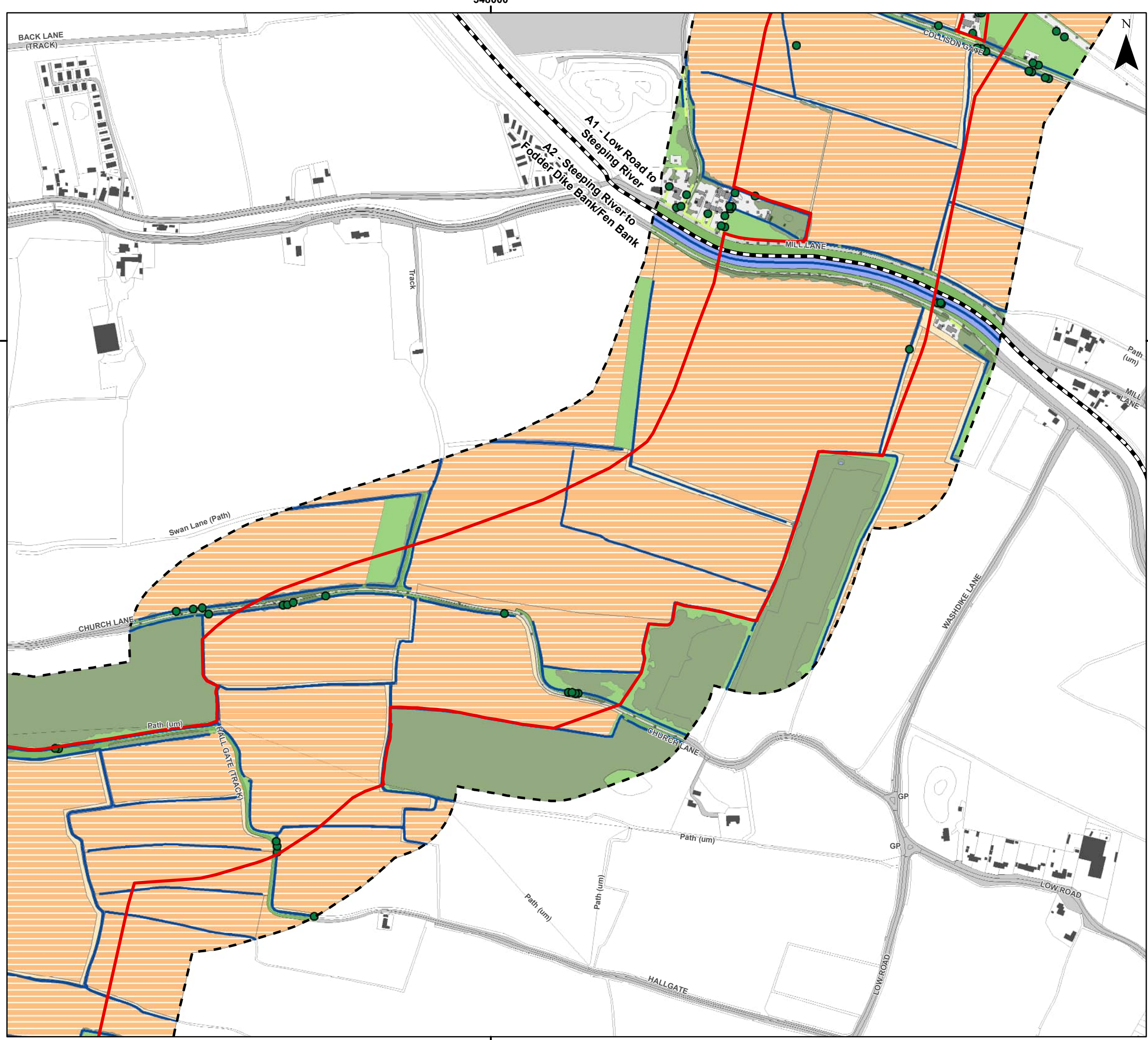
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.56



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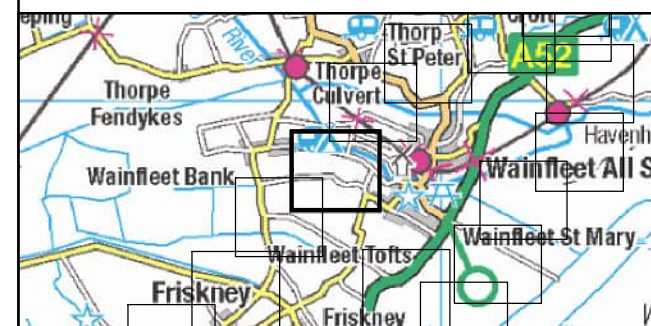


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland

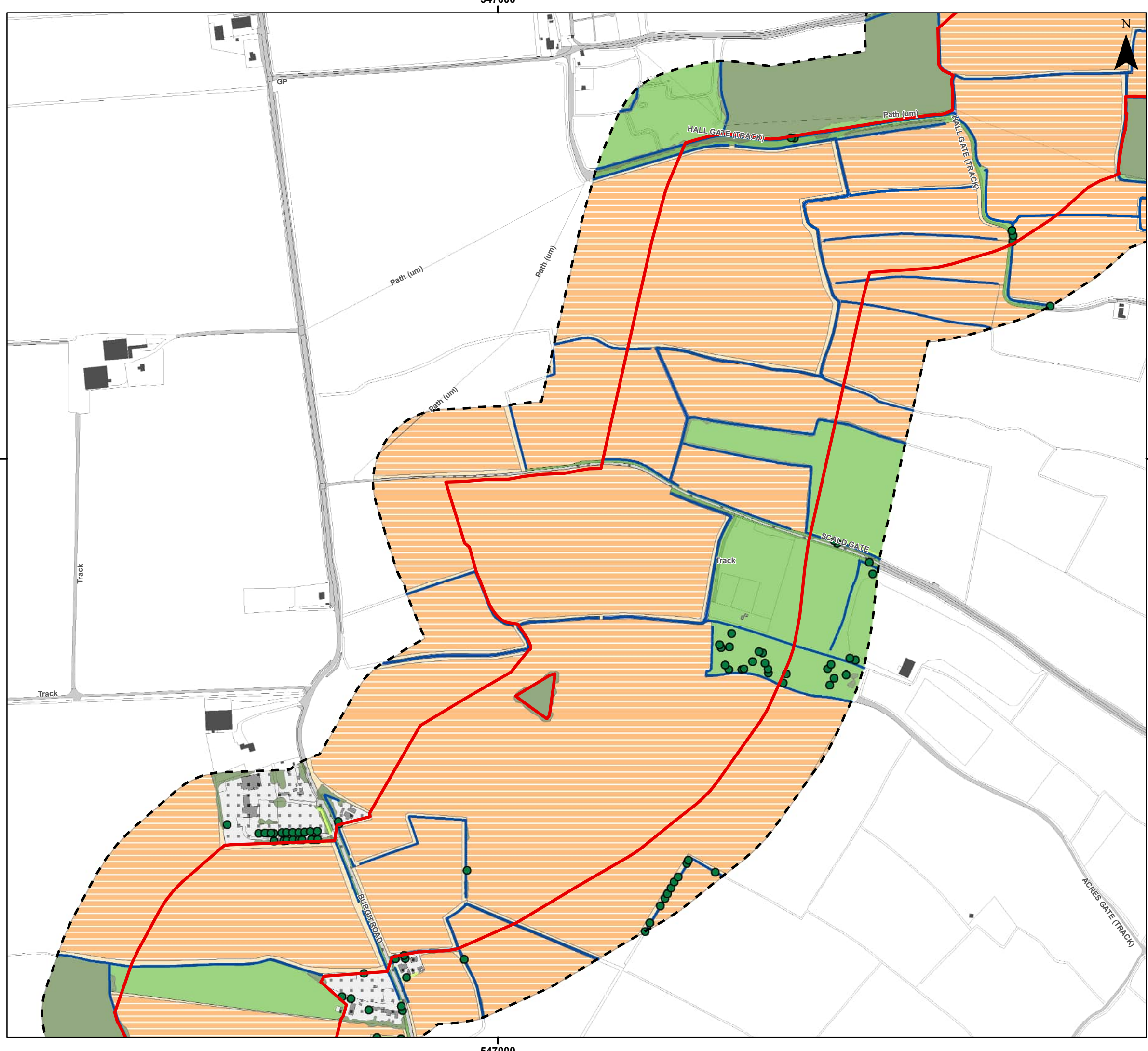


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Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.57

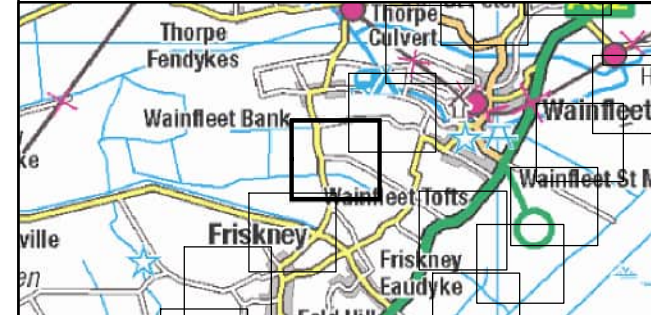


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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.58



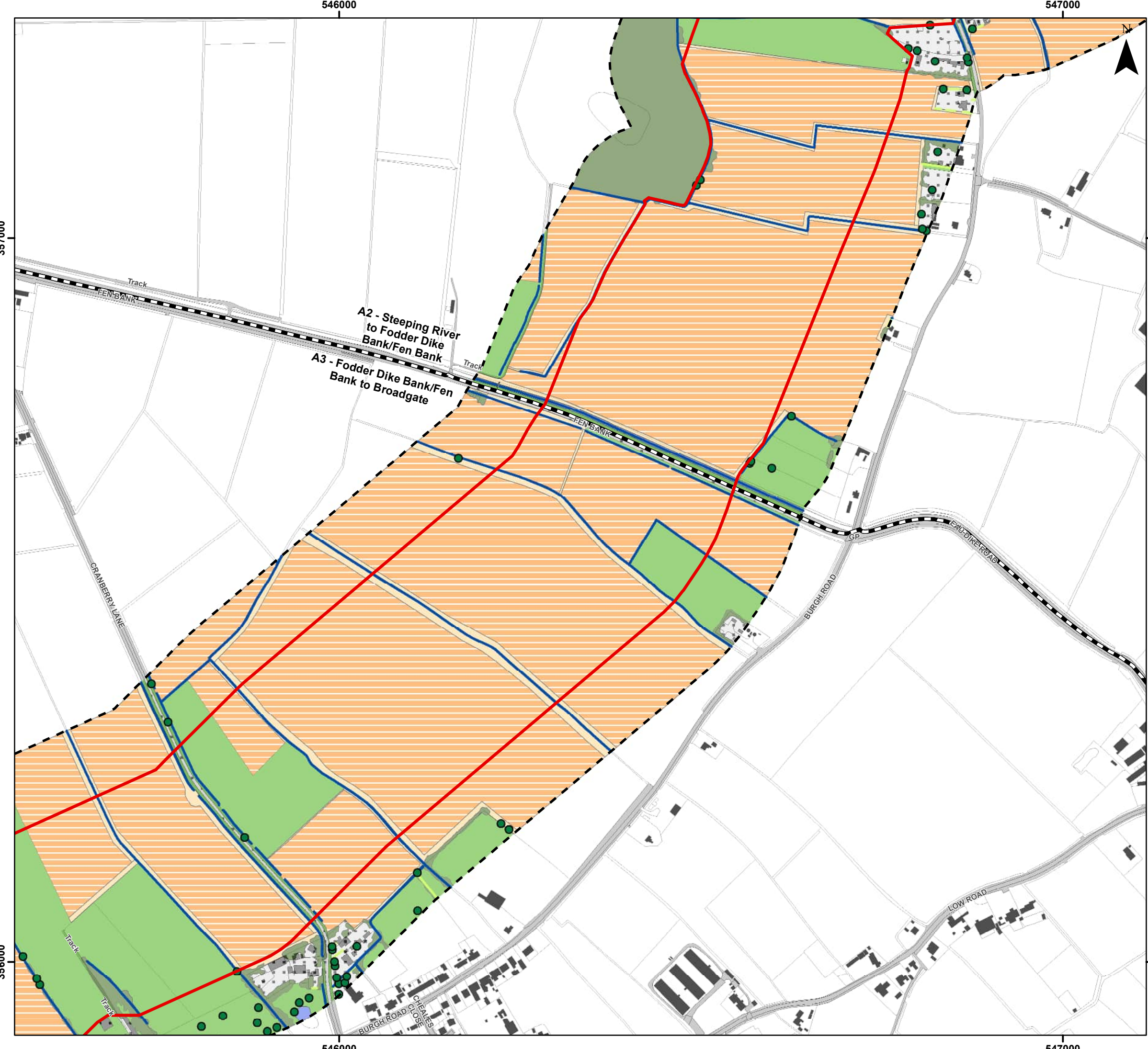
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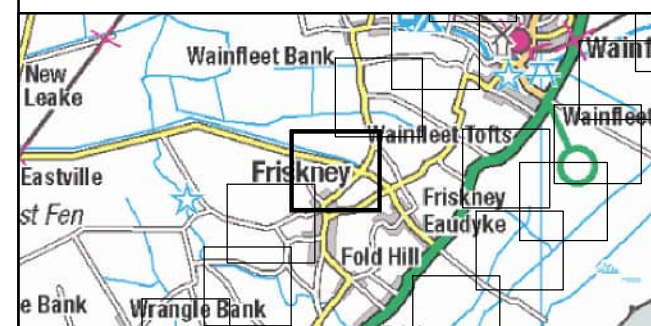
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
  - c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.59

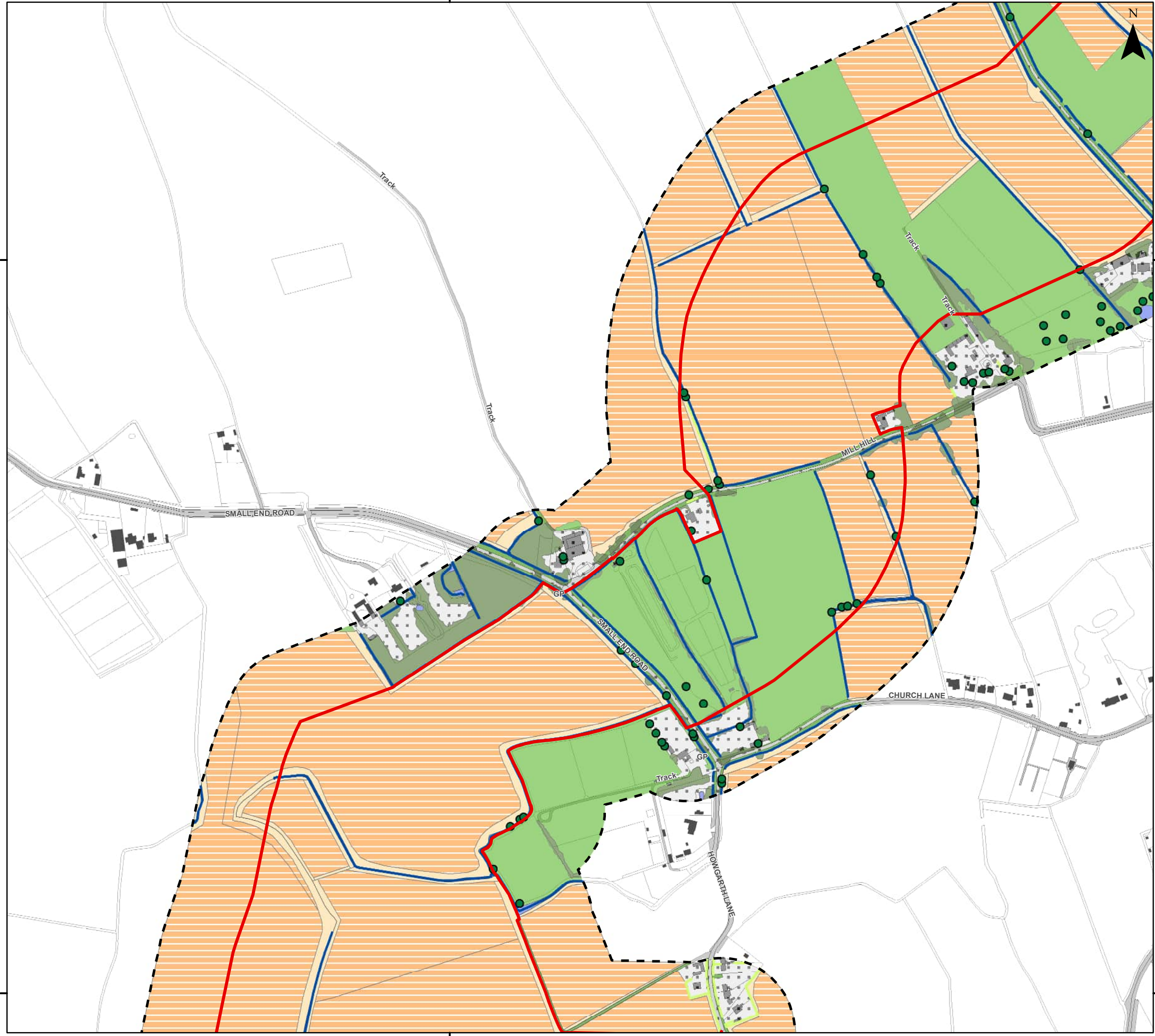




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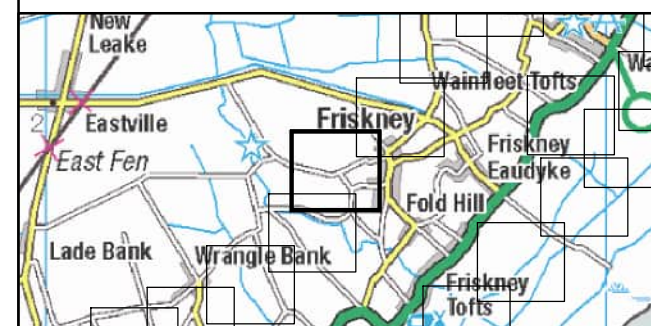
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Lakes**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.60



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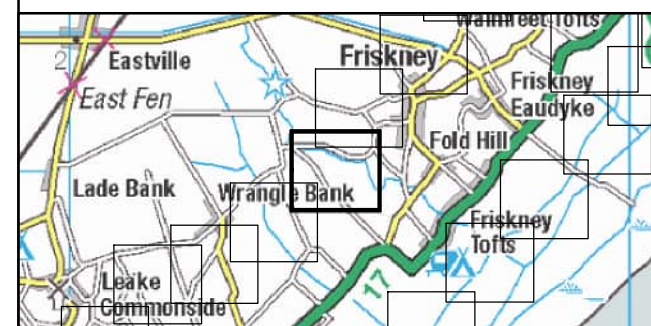


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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

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Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.61





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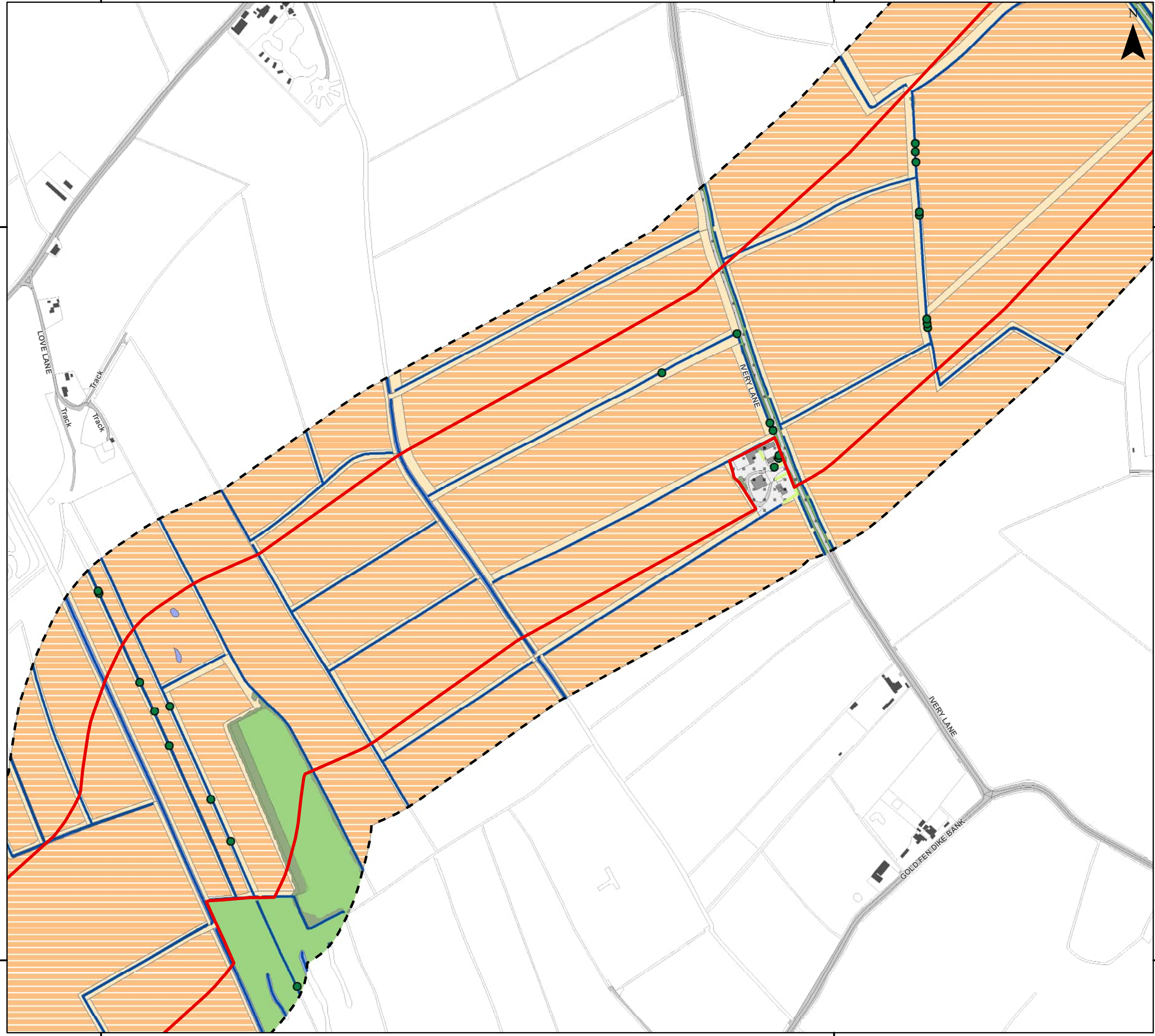
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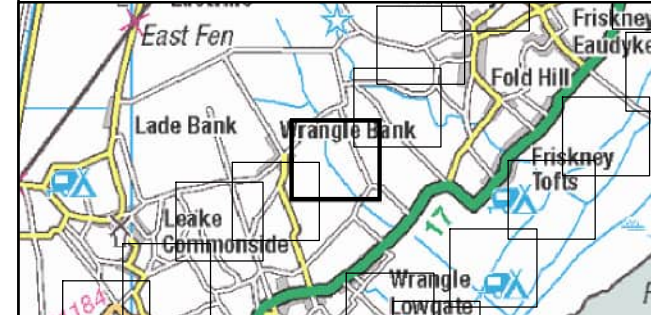
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.62

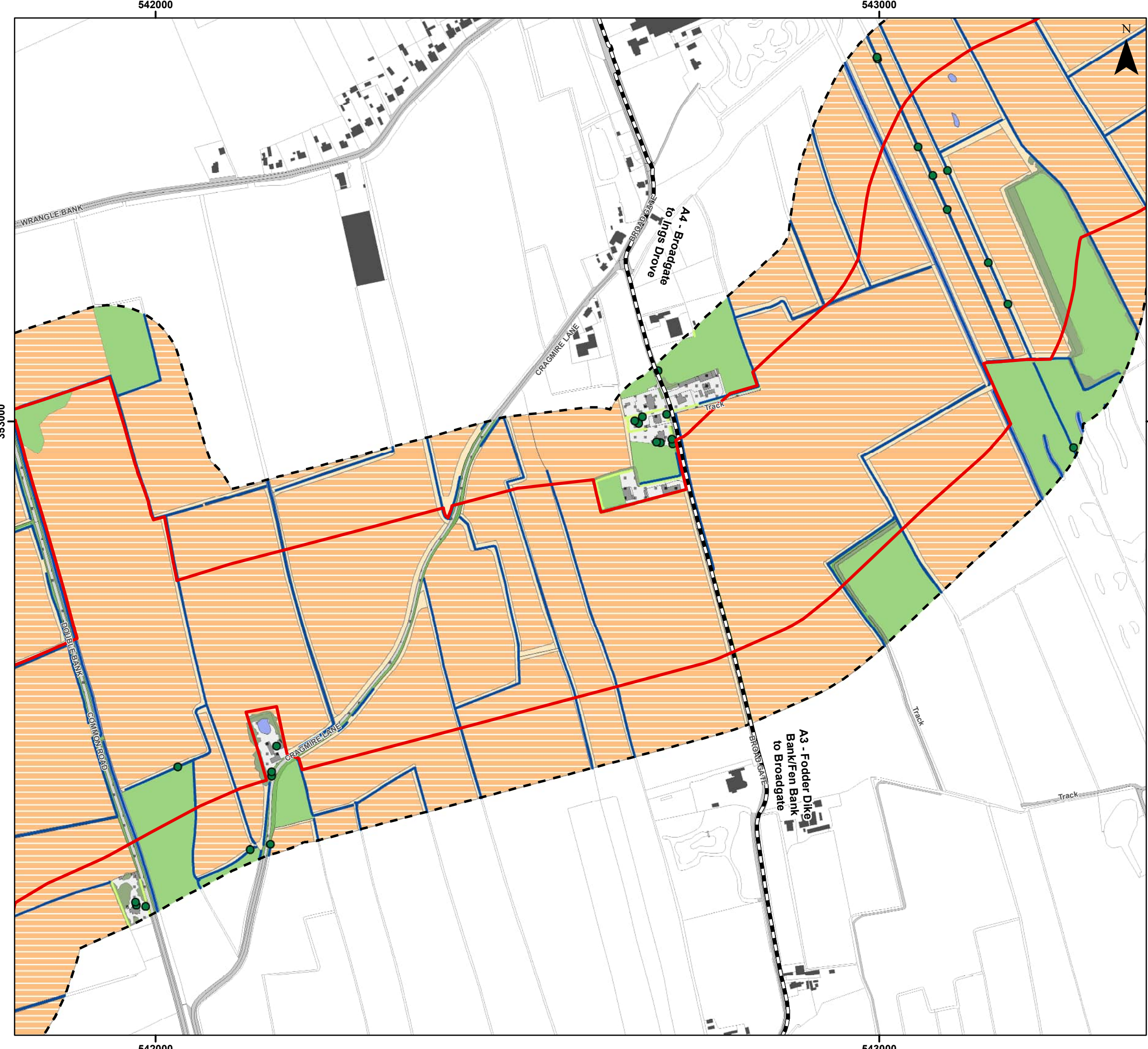


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree

**UK Habitat Classification**

**Heathland and Shrub - Hedgerows**

- h2 - Hedgerow

**Rivers and Lakes - Rivers and Streams**

- r2 - River and Stream

**Cropland - Arable and Horticulture**

- c1 - Arable and Horticulture
- c1a - Arable Field Margins

**Grassland - Neutral Grassland**

- g - Grassland

**Rivers and Lakes - Rivers and Streams**

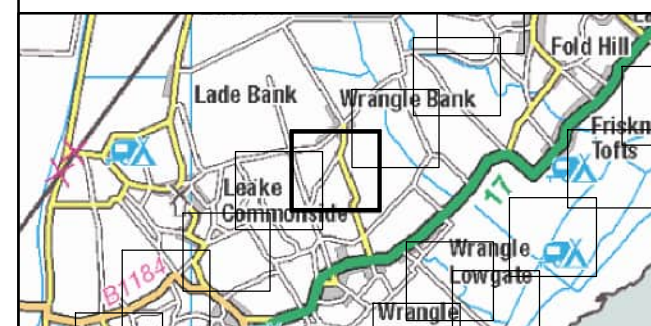
- r - Rivers and Lakes

**Urban - Built-up Areas and Gardens**

- u1 - Built-up Area and Garden

**Woodland and Forest - Broadleaved Mixed and Yew Woodland**

- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.63





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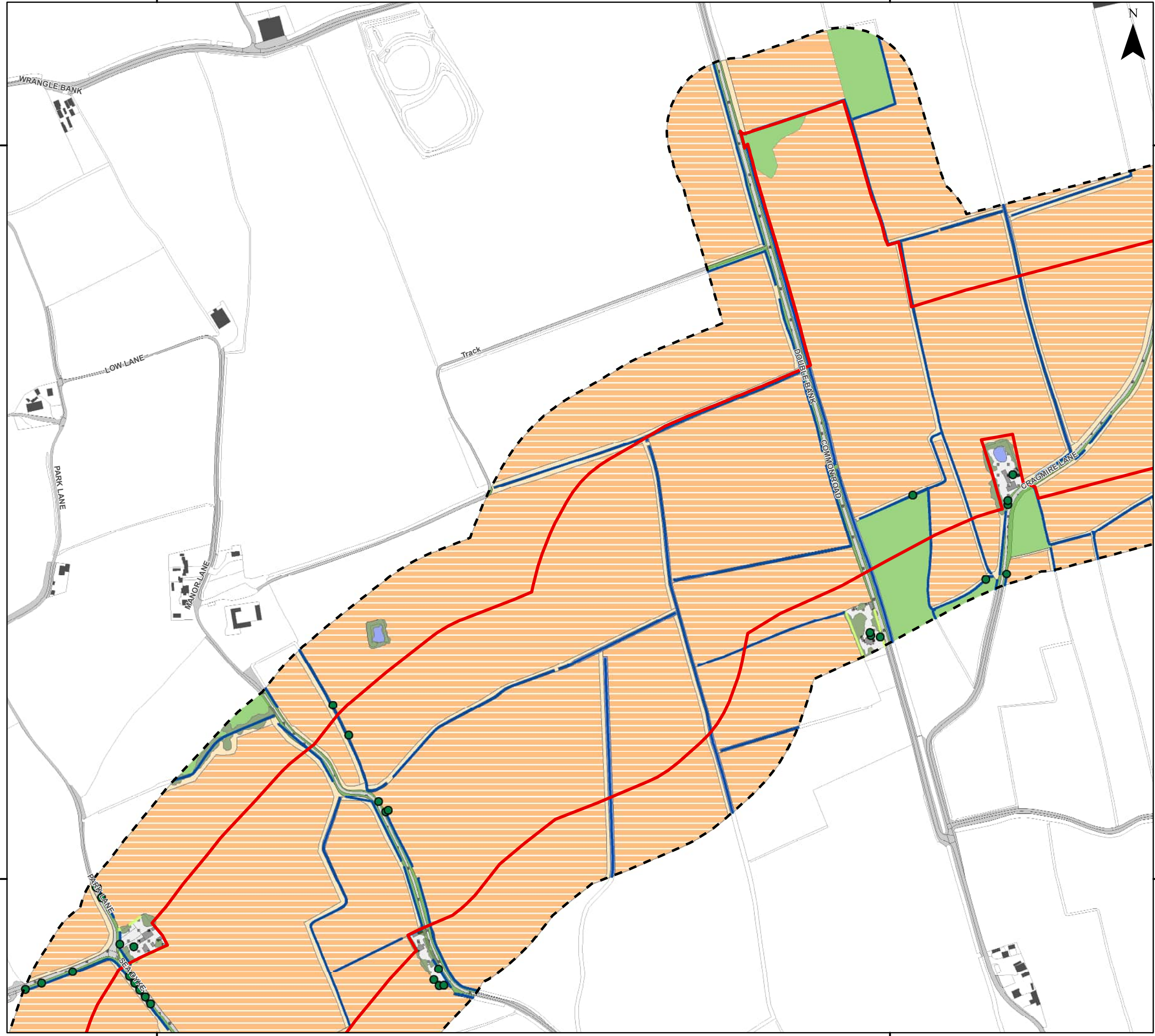
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.64

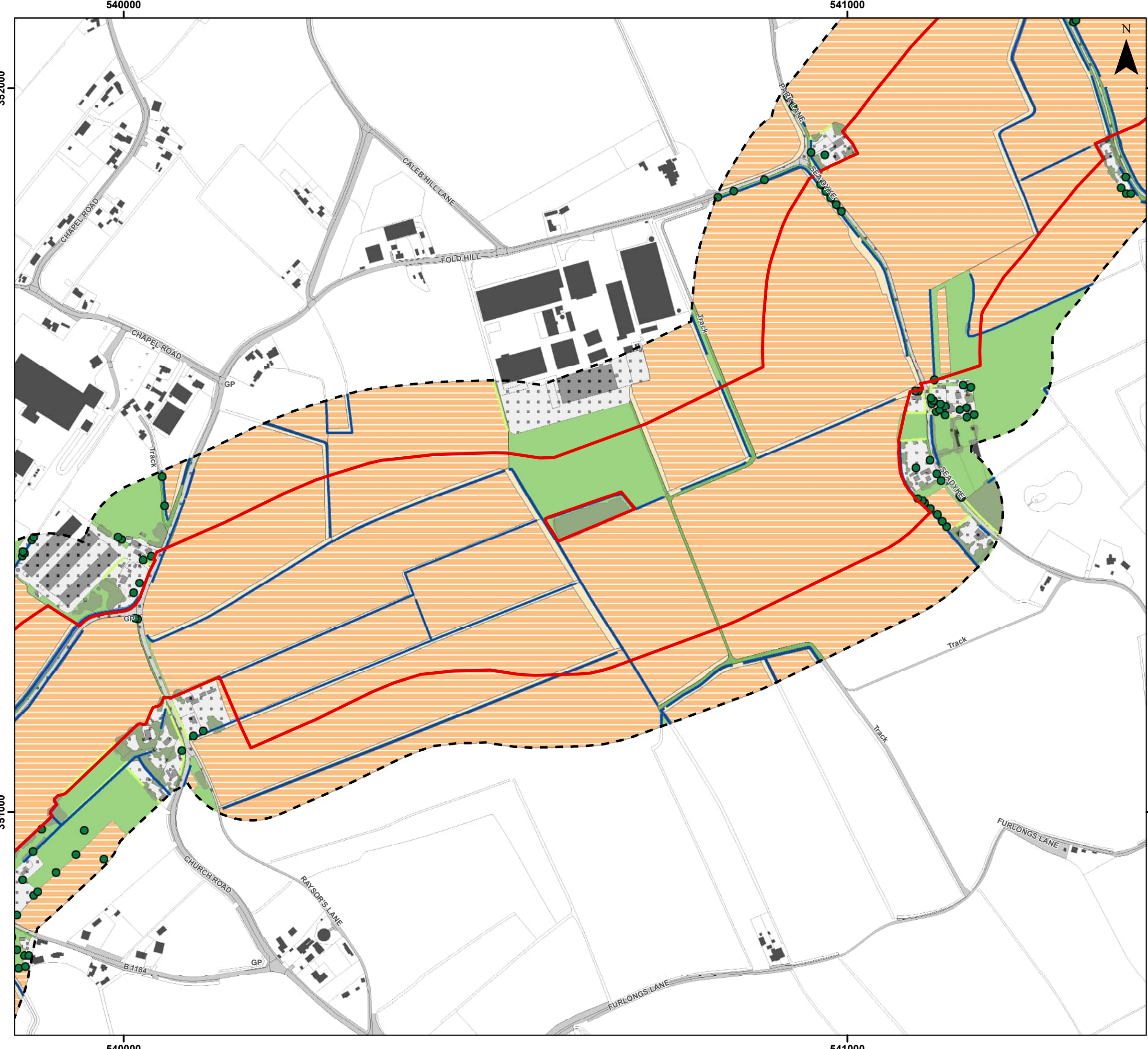


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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - c1a - Arable Field Margins
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.65





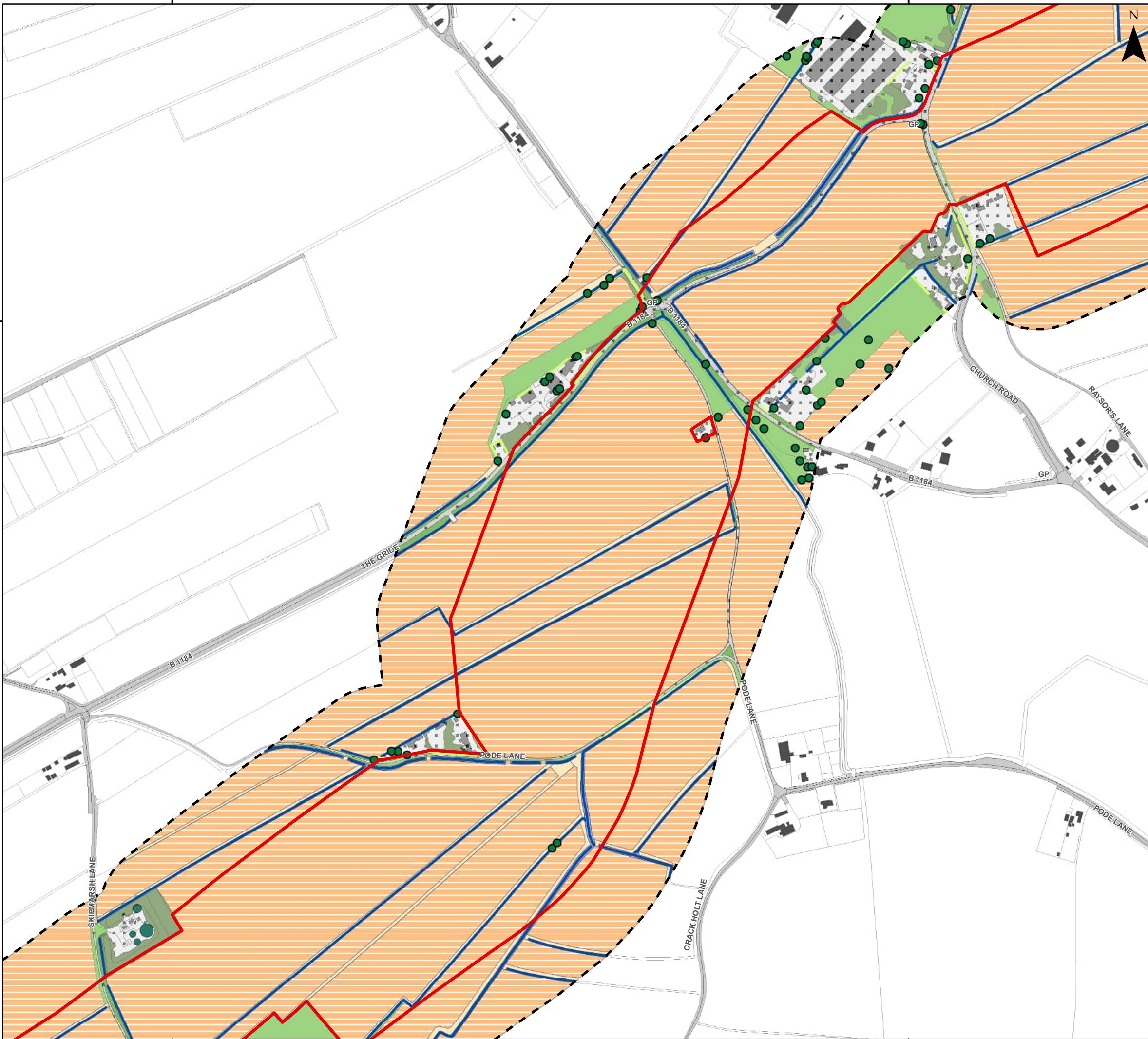
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Rivers and Lakes - Standing Open Water and Canals**
- r1 - Standing Open Water and Canal
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh

Habitats within PEIR Boundary

Figure 21.12.66



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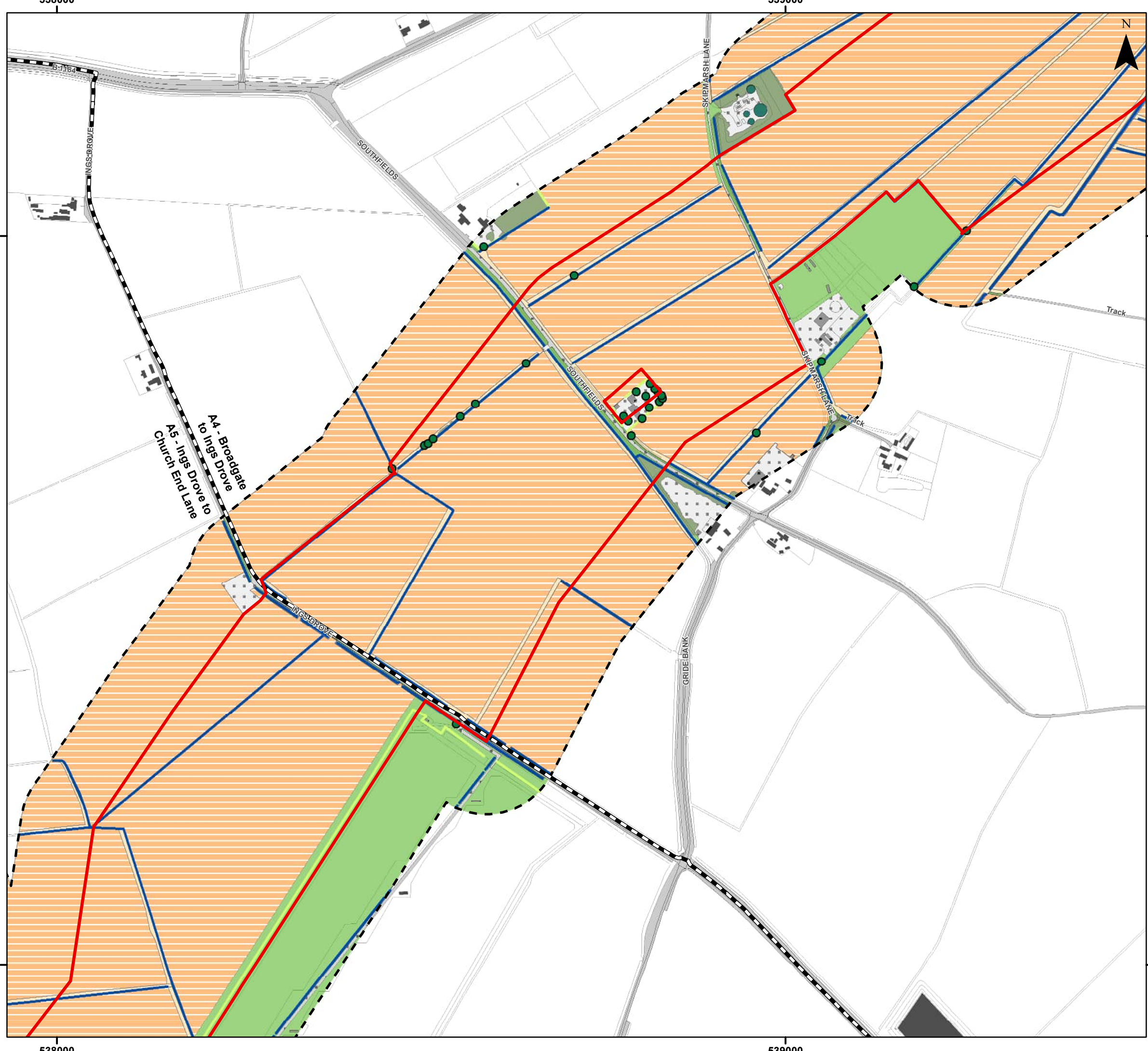
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
  - c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Rivers and Lakes - Standing Open Water and Canals**
- r1 - Standing Open Water and Canal
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.67



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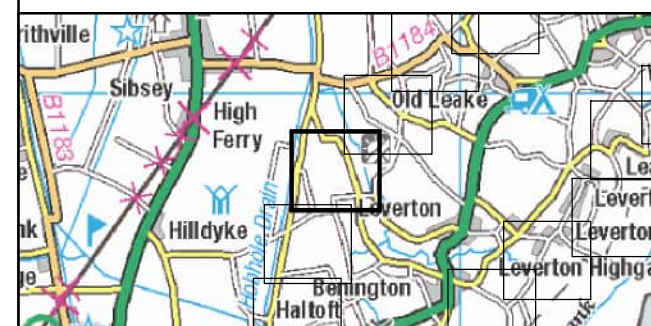


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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - c1a - Arable Field Margins
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Rivers and Lakes - Standing Open Water and Canals**
  - r1 - Standing Open Water and Canal
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland

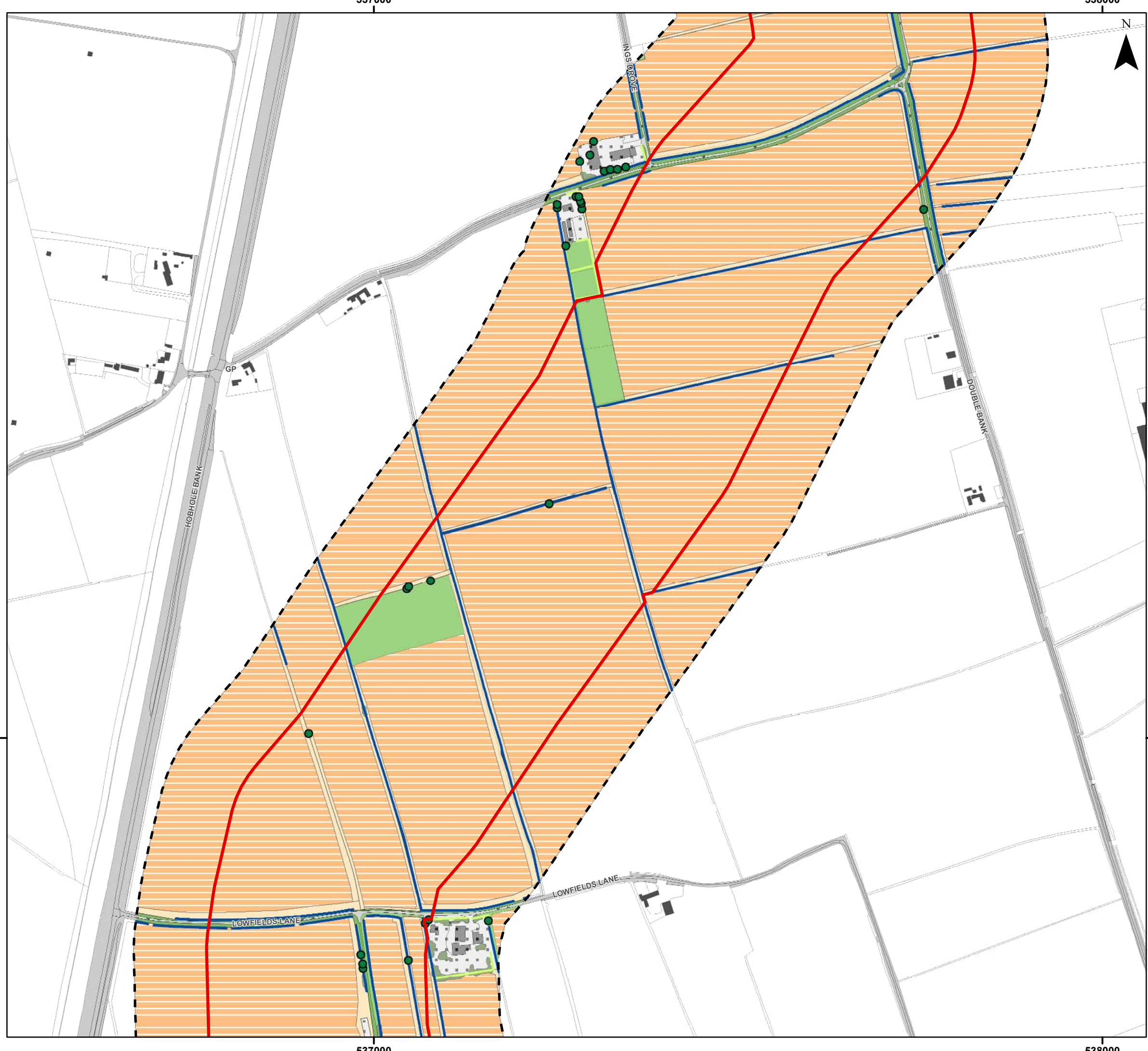


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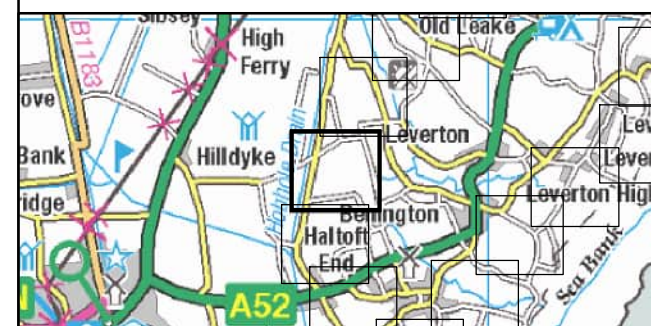
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.68



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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
  - UK Habitat Classification**
  - Heathland and Shrub - Hedgerows**
  - h2 - Hedgerow
  - Rivers and Lakes - Rivers and Streams**
  - r2 - River and Stream
  - Cropland - Arable and Horticulture**
  - c1 - Arable and Horticulture
  - c1a - Arable Field Margins
  - Grassland - Neutral Grassland**
  - g - Grassland
  - Rivers and Lakes - Rivers and Streams**
  - r - Rivers and Lakes
  - Urban - Built-up Areas and Gardens**
  - u1 - Built-up Area and Garden
  - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
  - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.69



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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.70

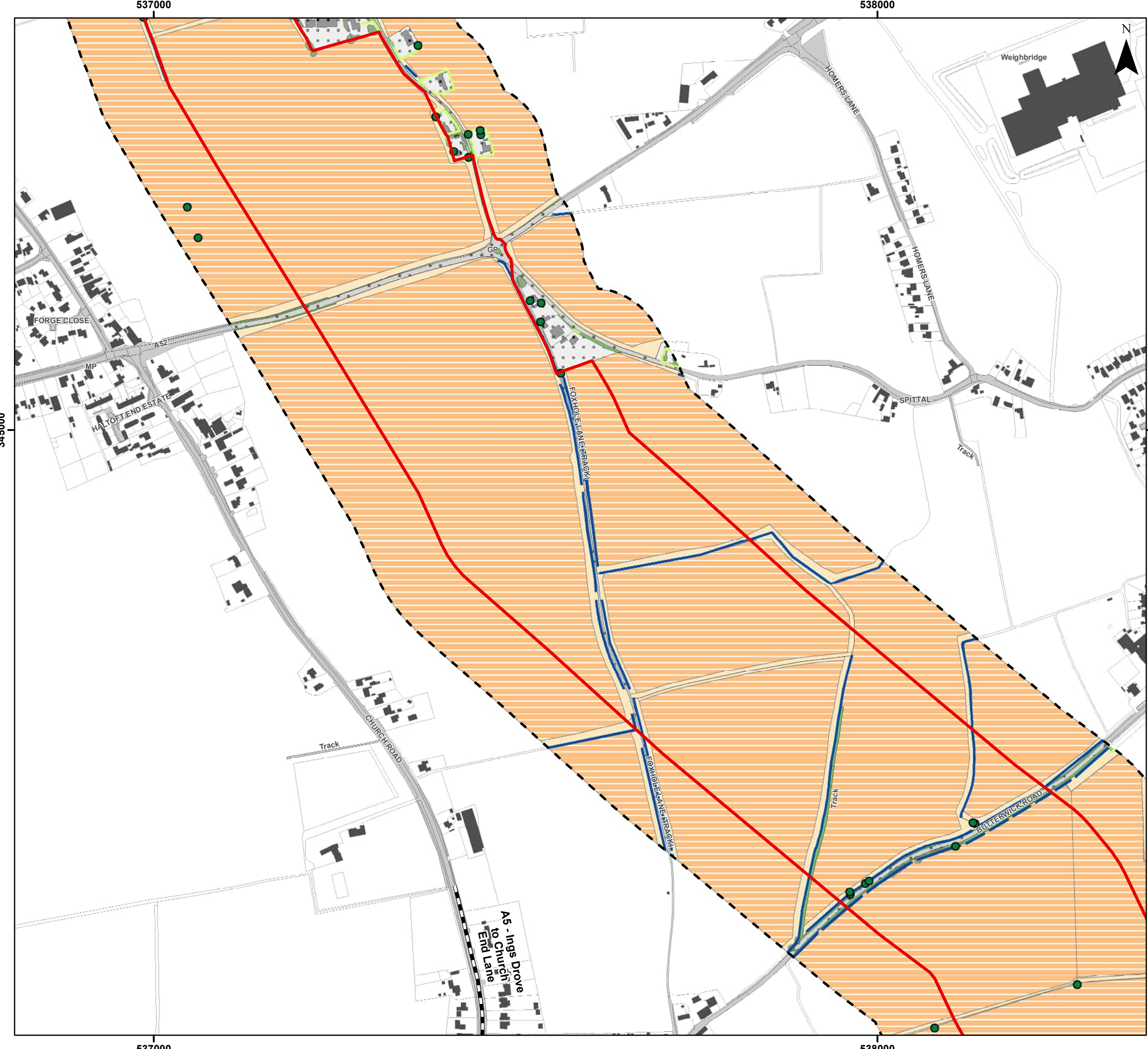


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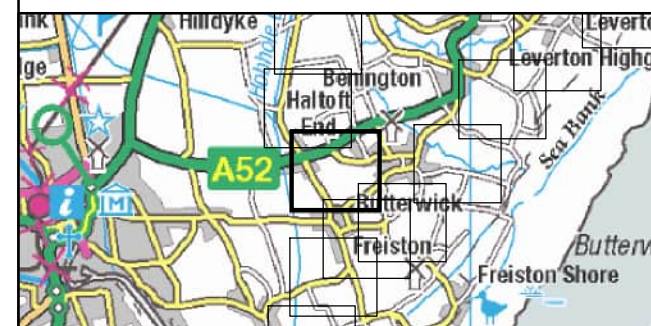
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
- Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

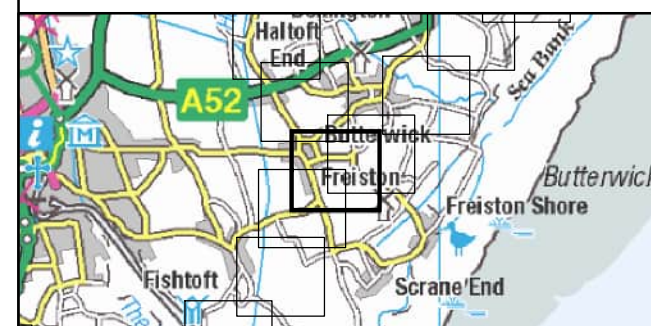
Preliminary Environmental Information Report  
 Weston Marsh  
 Habitats within PEIR Boundary  
 Figure 21.12.71



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
  - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
  - c1a - Arable Field Margins
- Grassland - Neutral Grassland**
- g - Grassland
- Heathland and Shrub - Dense Scrub**
- h3 - Dense Scrub
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved Mixed and Yew Woodland**
- w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Habitats within PEIR Boundary

Figure 21.12.72



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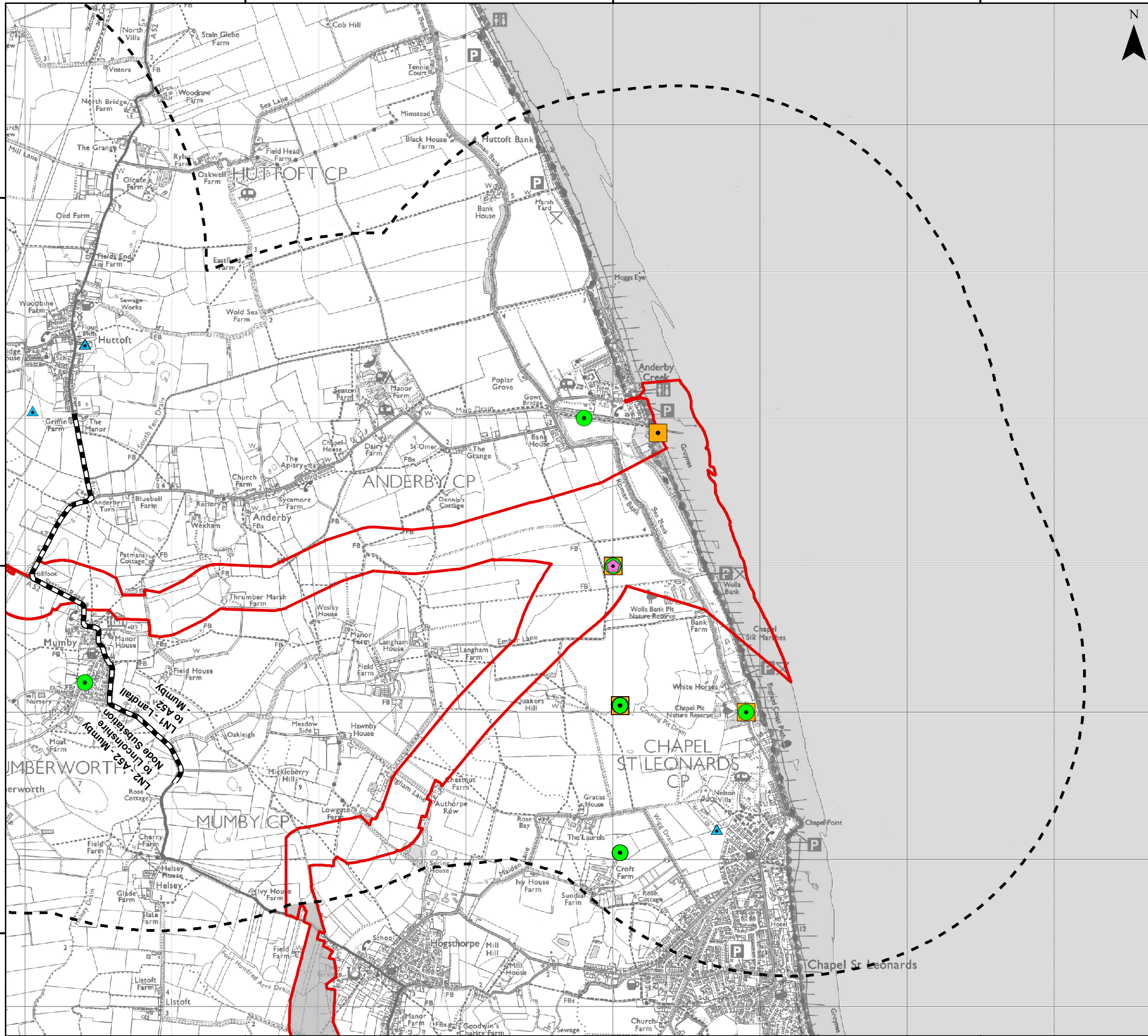
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




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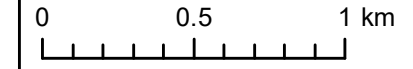
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
- Local Records: Amphibians**
-  Great Crested Newt
-  Smooth Newt
-  Common Frog
-  Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Amphibians  
Figure 21.13.1



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Revision: 0.1



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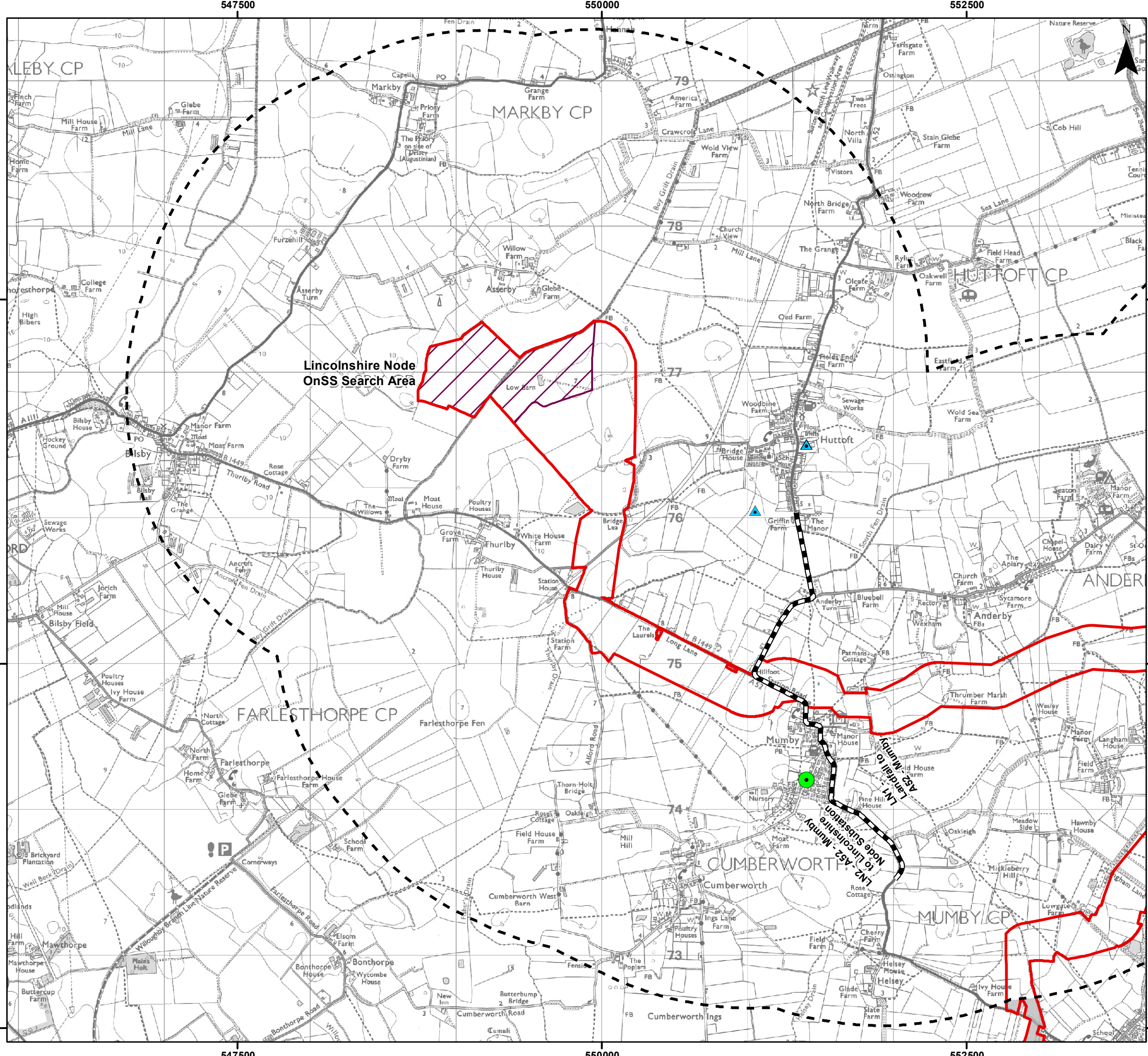
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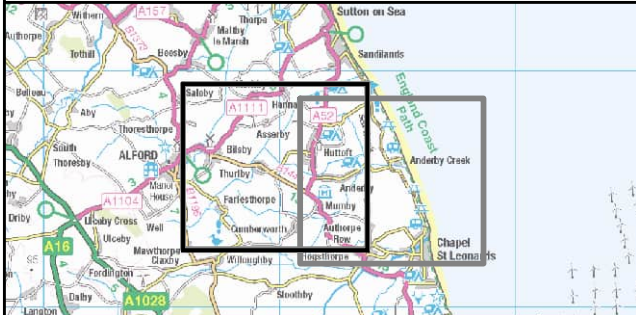
**Legend**

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary 2 km Buffer

**Local Records: Amphibians**

- ▲ Great Crested Newt
- Common Frog

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid

0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Amphibians  
Figure 21.13.2



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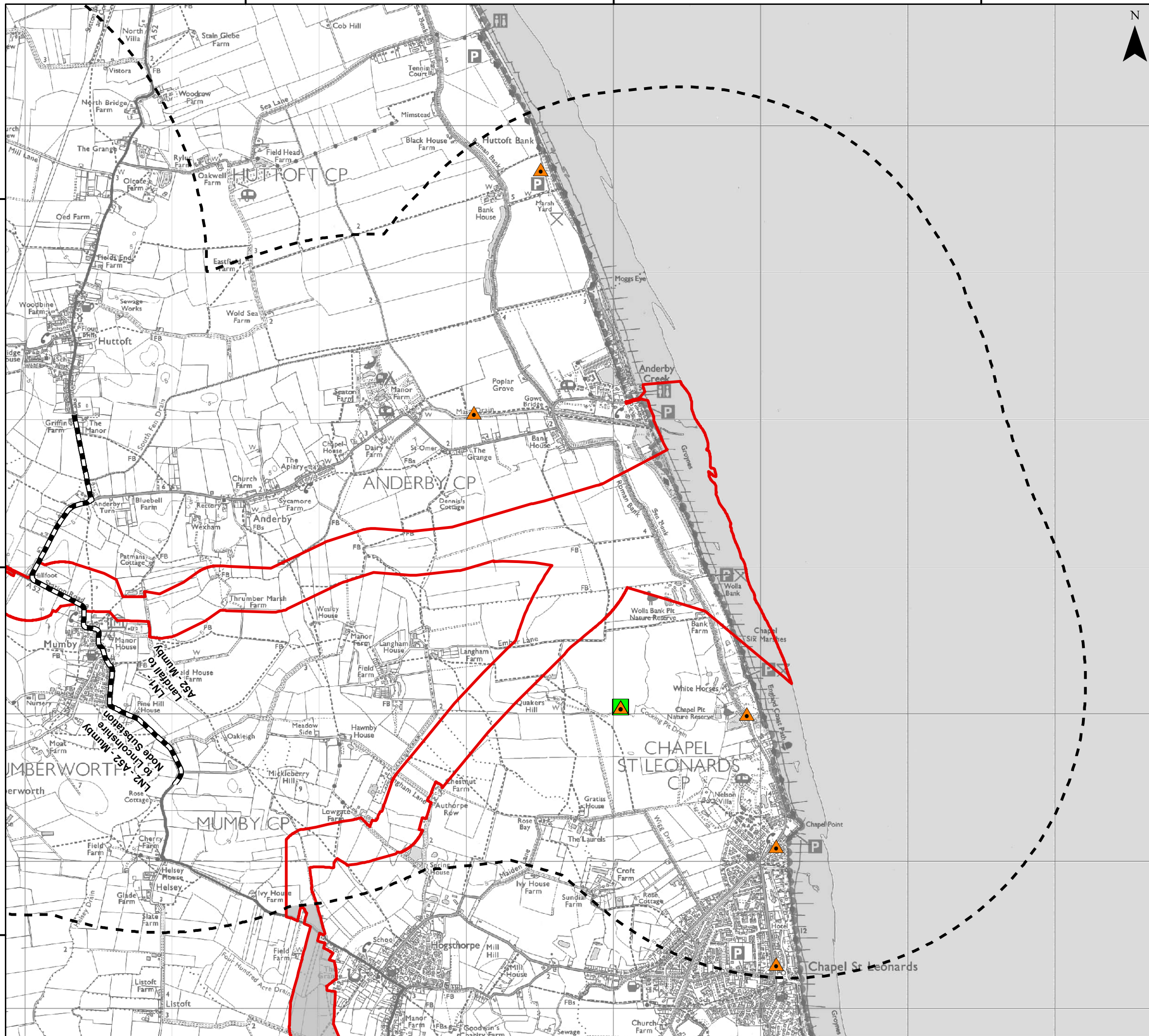
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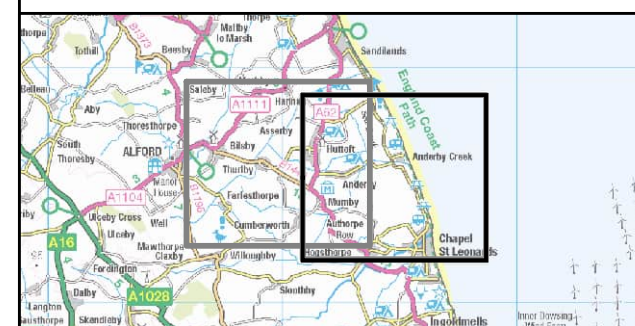
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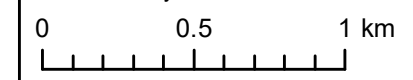
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
- Local Records: Reptiles**
-  Common Lizard
-  Grass Snake

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Reptiles  
Figure 21.14.1



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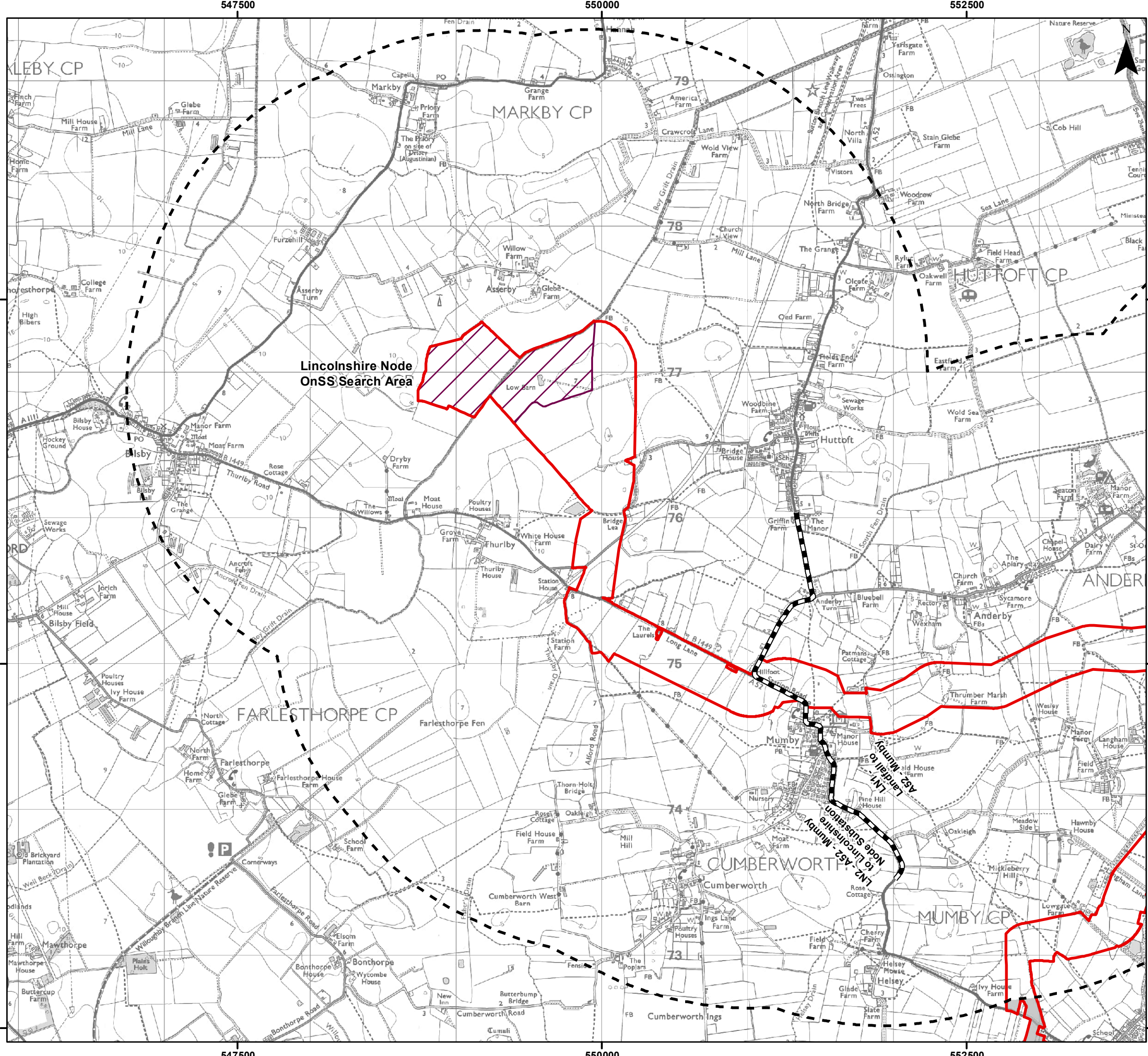
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- Legend**
- Onshore PEIR Boundary
  - Lincolnshire Node OnSS Search
  - Onshore Segment Break
  - Onshore PEIR Boundary 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Lincolnshire Node  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.14.2

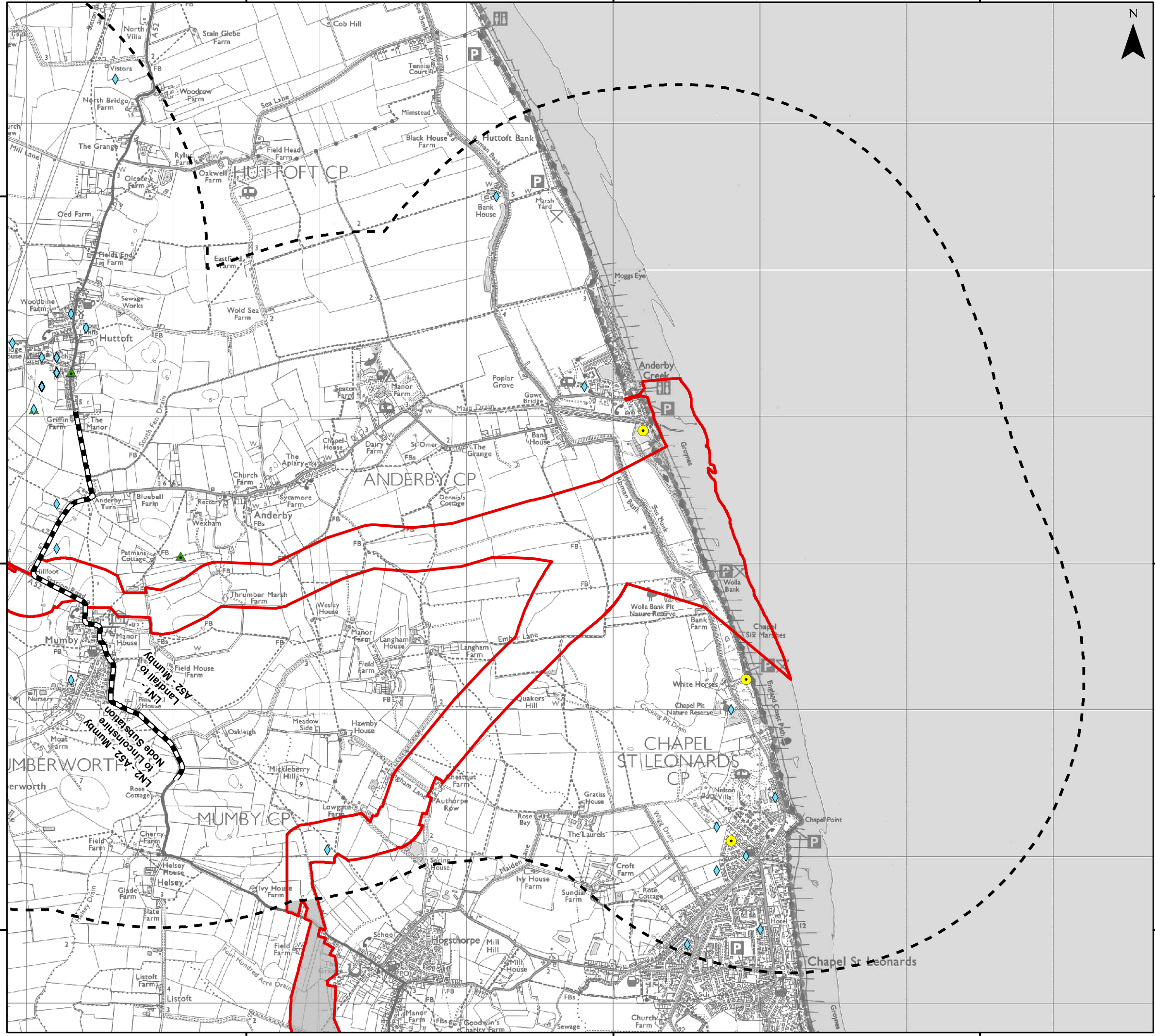


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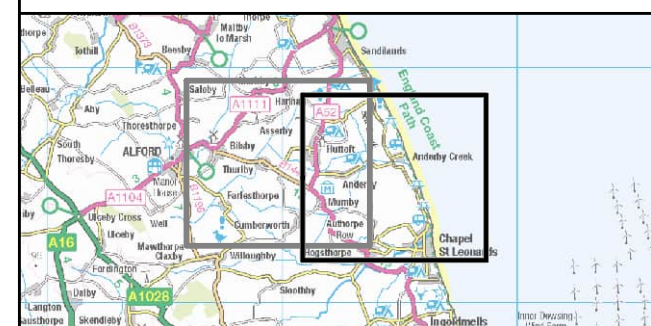
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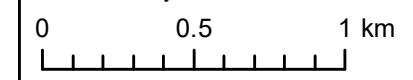
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
-  Bat
-  Brown Long-eared Bat
-  Common Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Terrestrial Mammals (Bats)  
Figure 21.15.1



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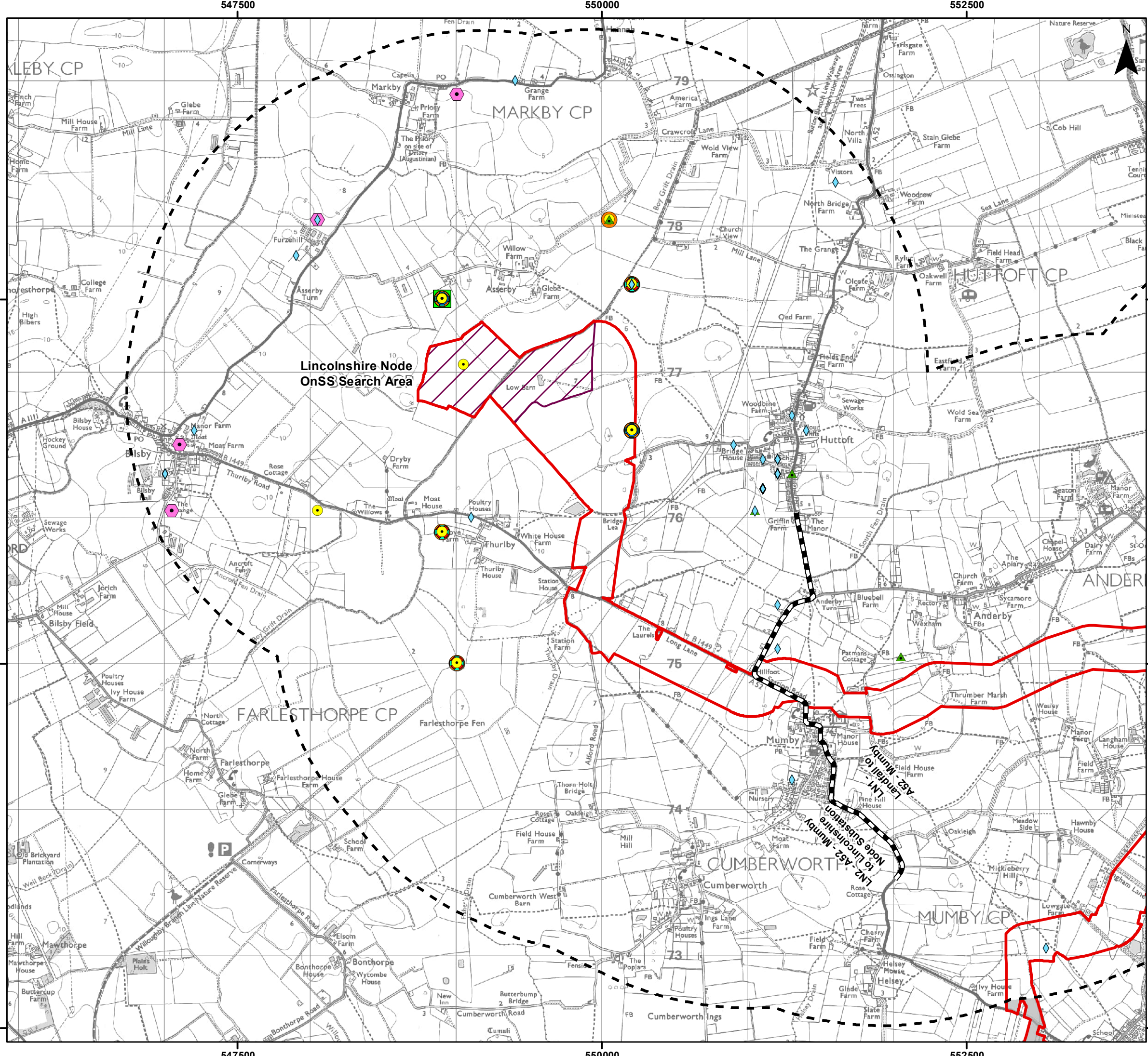
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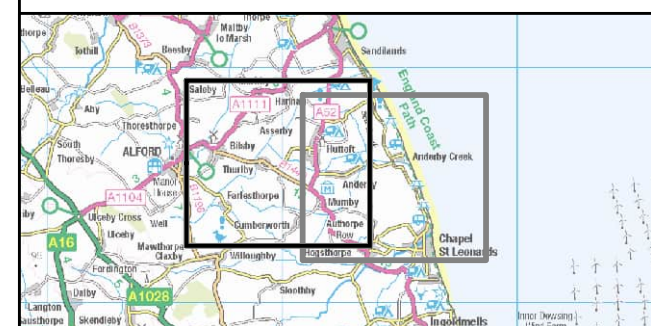
**Legend**

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search
- Onshore Segment Break
- Onshore PEIR Boundary 2 km Buffer

**Local Records: Terrestrial Mammals (Bats)**

- Bat
- Brown Long-eared Bat
- Common Pipistrelle
- Myotis Bat species
- Nathusius's Pipistrelle
- Noctule Bat
- Pipistrelle Bat species
- Soprano Pipistrelle
- Whiskered/Brandt's Bat

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Protected and Notable Species Records  
 Terrestrial Mammals (Bats)  
 Figure 21.15.2

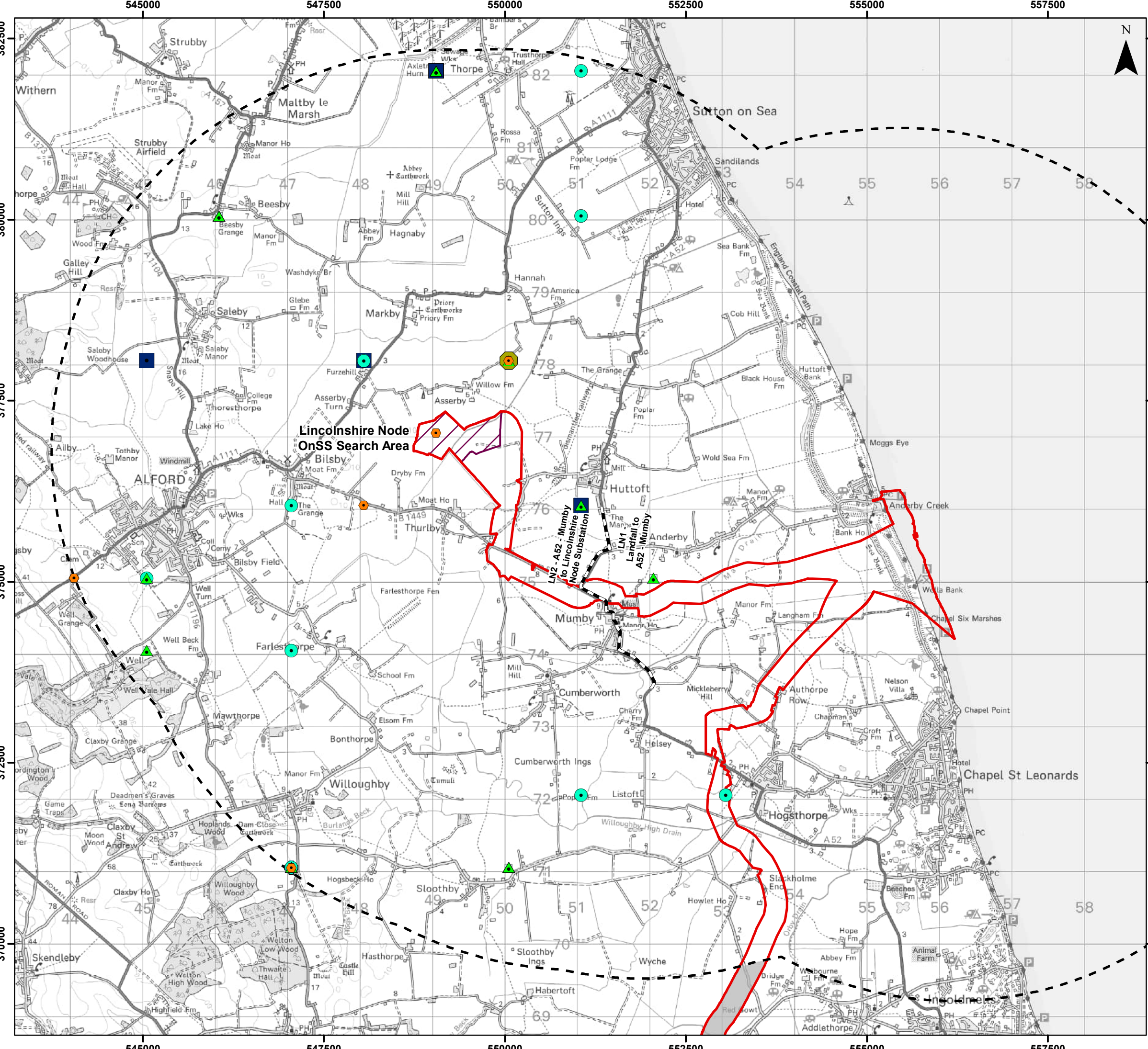


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### Legend

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary 5 km Buffer

**Local Records: Terrestrial Mammals (Bat Roosts)**

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- Pipistrelle Bat species Roost
- + Natterer's Bat
- Bat Roost
- Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Lincolnshire Node  
 Protected and Notable Species Records  
 Bat Roosts  
 Figure 21.16

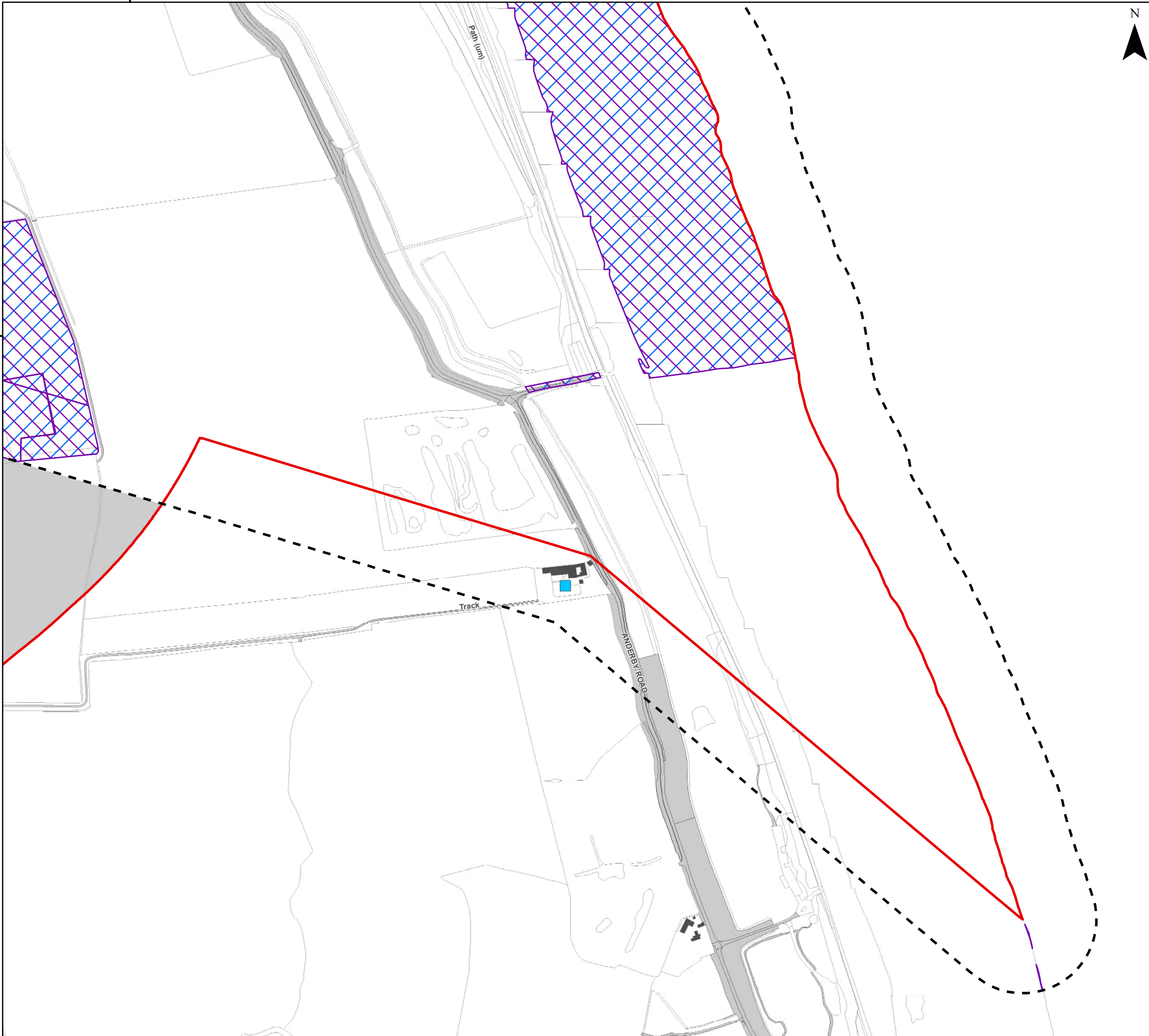


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**Legend**

-  Onshore PEIR Boundary
  -  Onshore PEIR Boundary Lincolnshire Node 100 m Buffer
  -  Buildings Not Surveyed in this Area for Bat Roost Potential
  -  Trees Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
-  Low Potential

Sources:



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Lincolnshire Node

Bat Roost Potential

Figure 21.17.1



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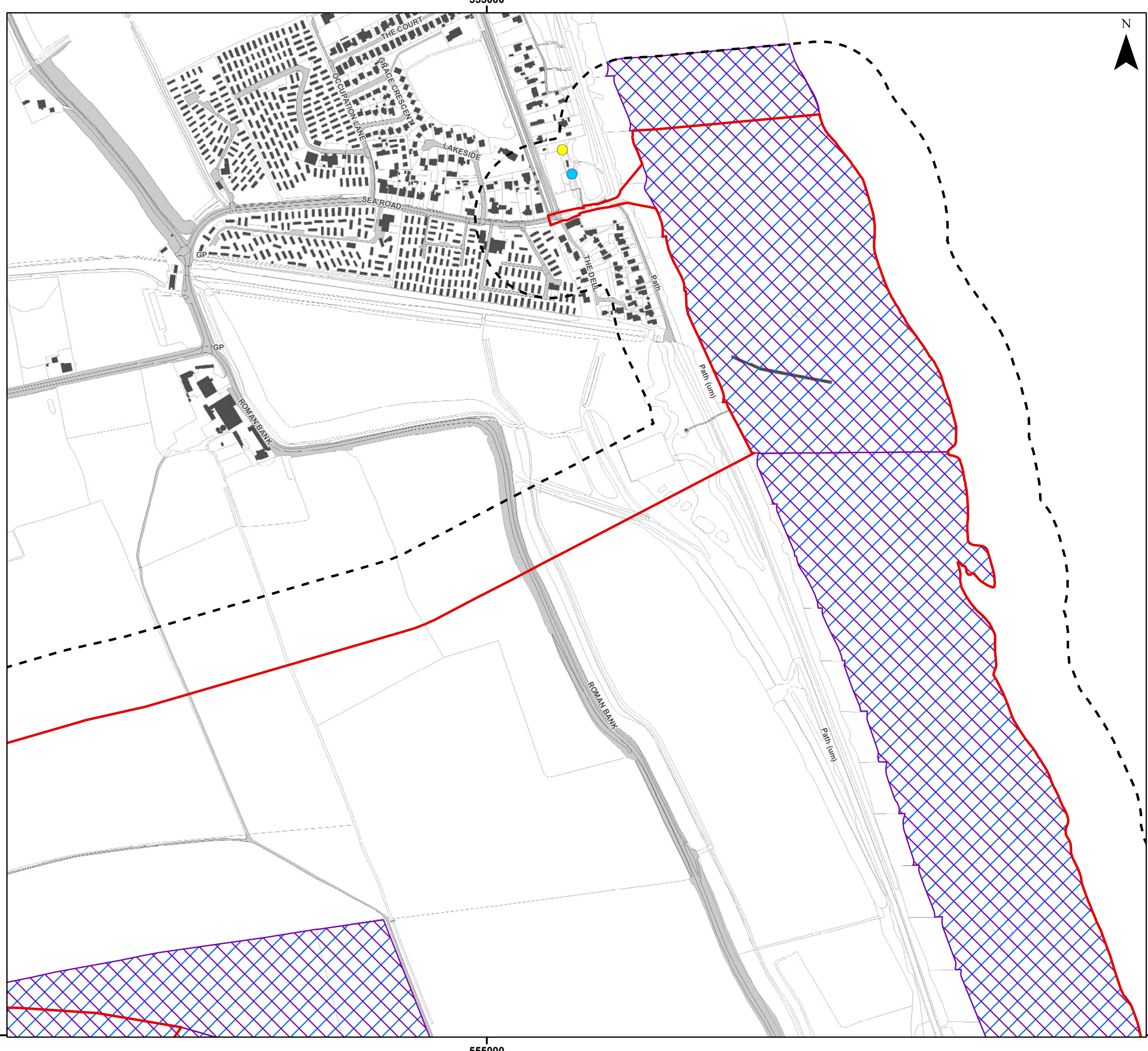
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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary Lincolnshire Node
  - Buildings Not Surveyed in this Area for Bat Roost Potential
  - Trees Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Bat Roost Potential  
 Figure 21.17.2



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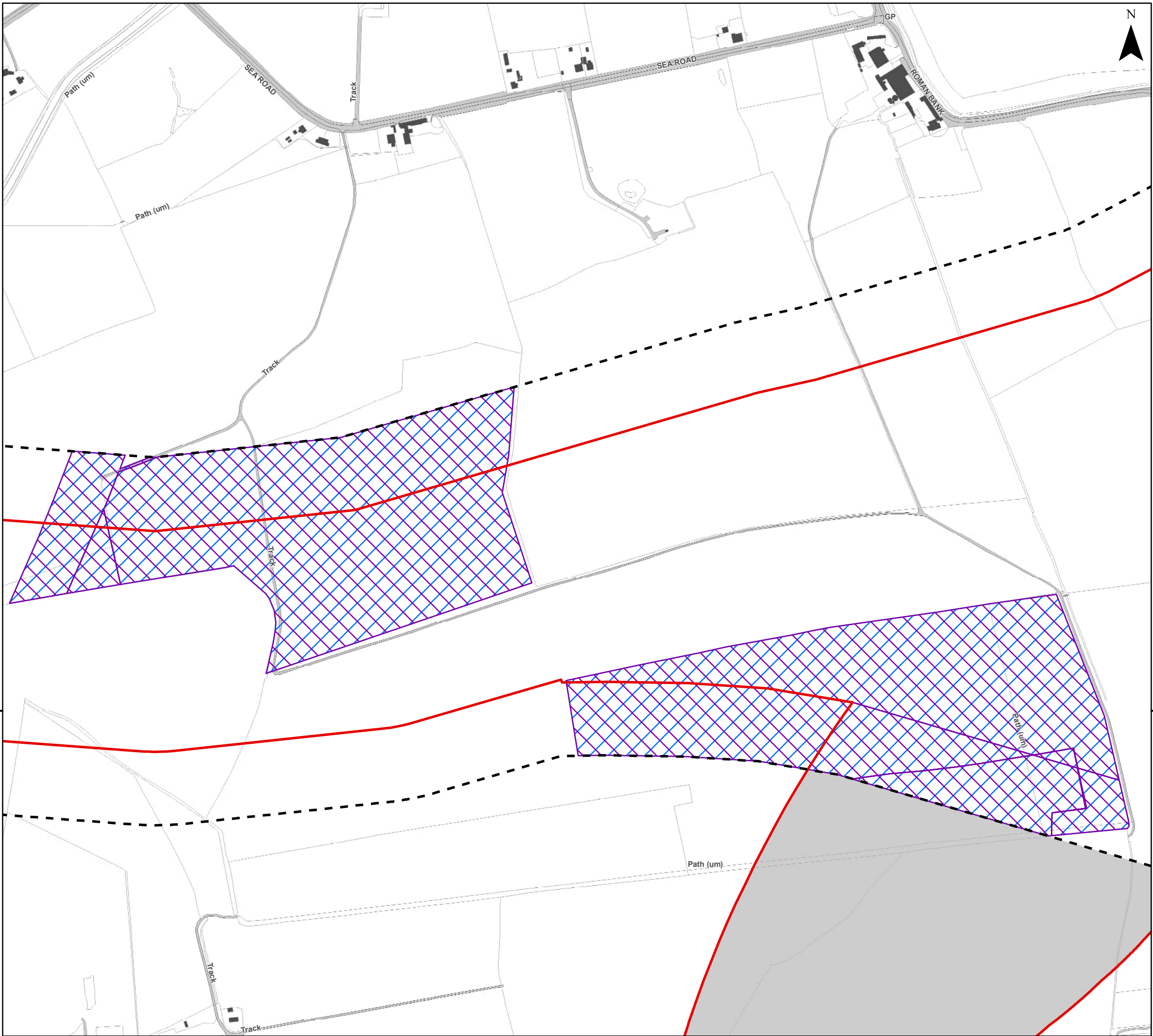
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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary Lincolnshire Node
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Trees Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Bat Roost Potential

Figure 21.17.3



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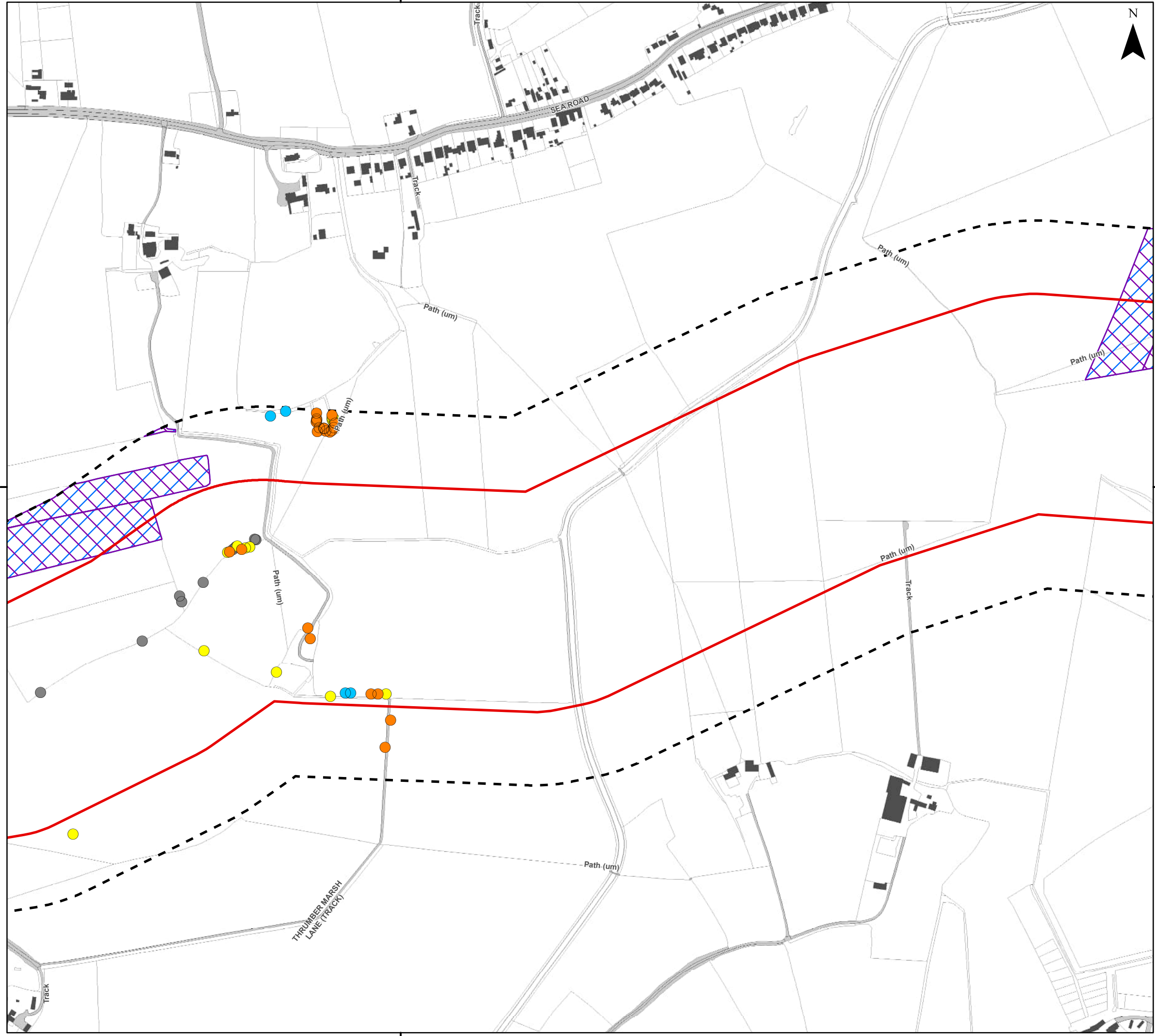


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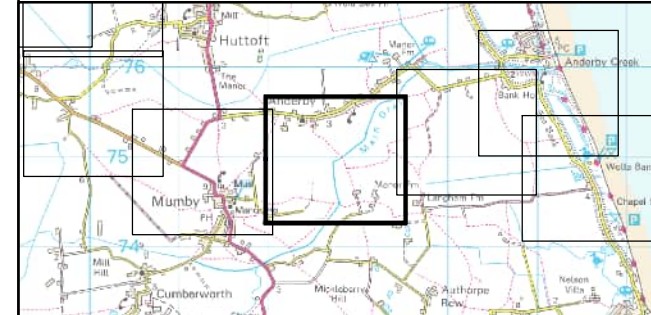
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**Legend**

- Onshore PEIR Boundary
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
  - Buildings Not Surveyed in this Area for Bat Roost Potential
  - Trees Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Bat Roost Potential  
 Figure 21.17.4



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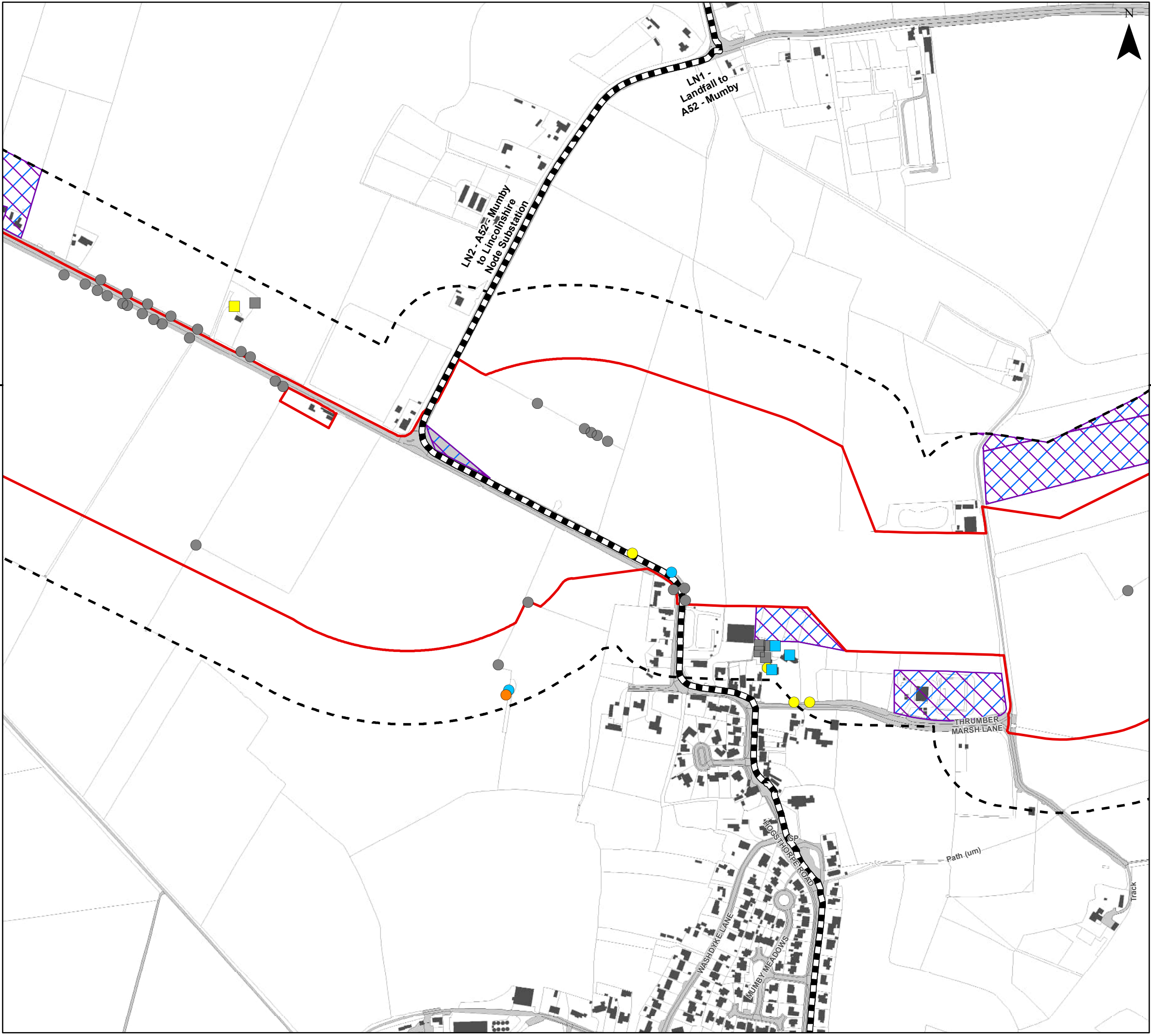


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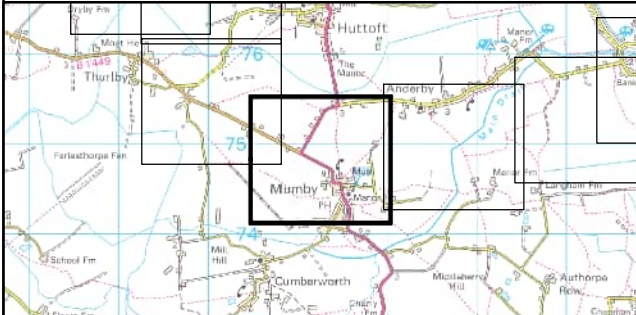
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
  - Buildings Not Surveyed in this Area for Bat Roost Potential
  - Trees Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Bat Roost Potential  
 Figure 21.17.5



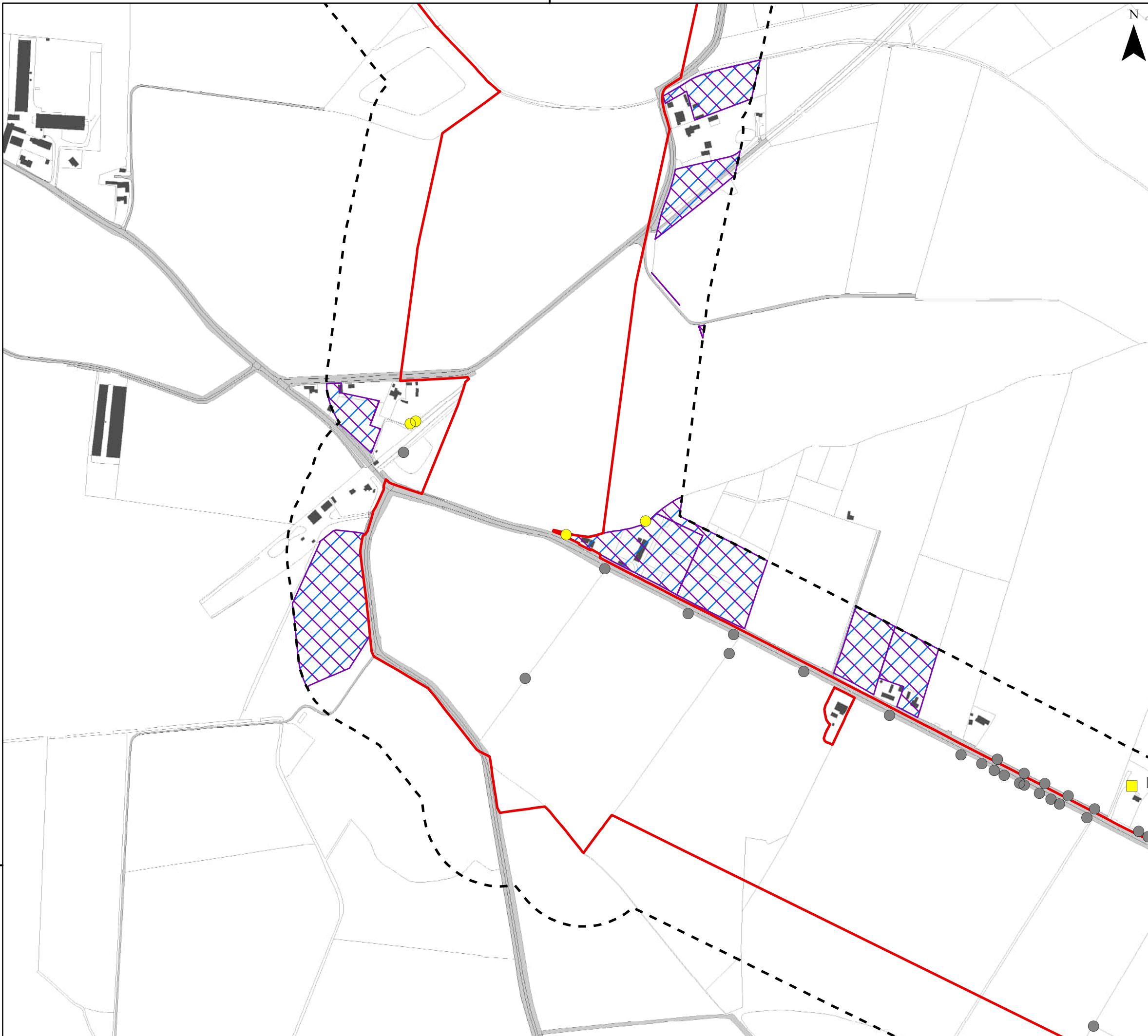
Date: 25/05/2023  
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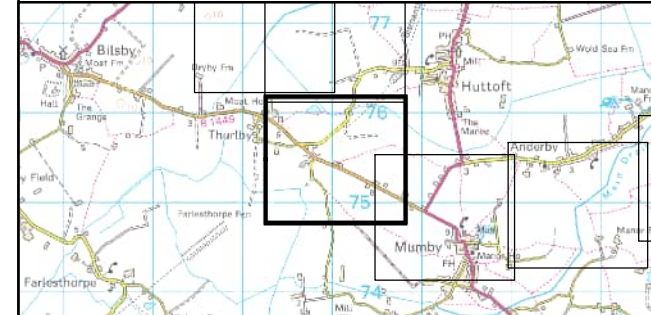
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary Lincolnshire Node
- 100 m Buffer
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Trees Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
- Negligible Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Lincolnshire Node

Bat Roost Potential

Figure 21.17.6



Date: 25/05/2023  
 Produced By: JCS  
 Revision: 0.1



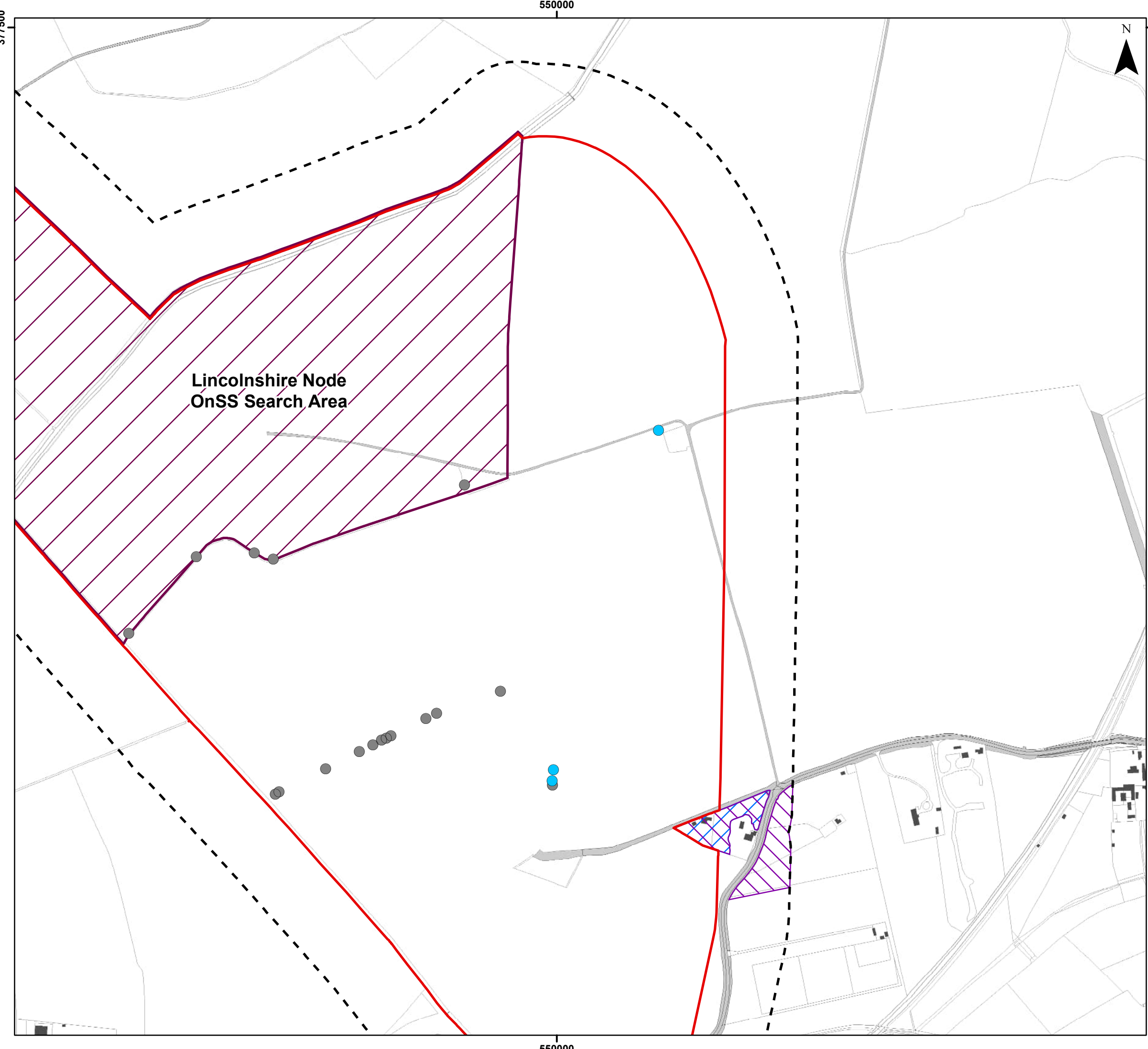
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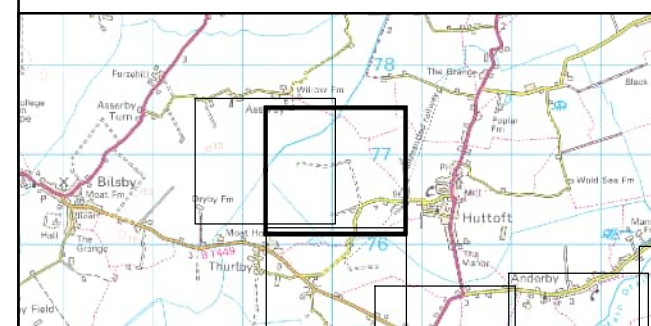
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**Lincolnshire Node  
OnSS Search Area**

- Legend**
- Onshore PEIR Boundary
  - Lincolnshire Node OnSS Search Area
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
  - Buildings Not Surveyed in this Area for Bat Roost Potential
  - Trees Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Bat Roost Potential  
 Figure 21.17.7

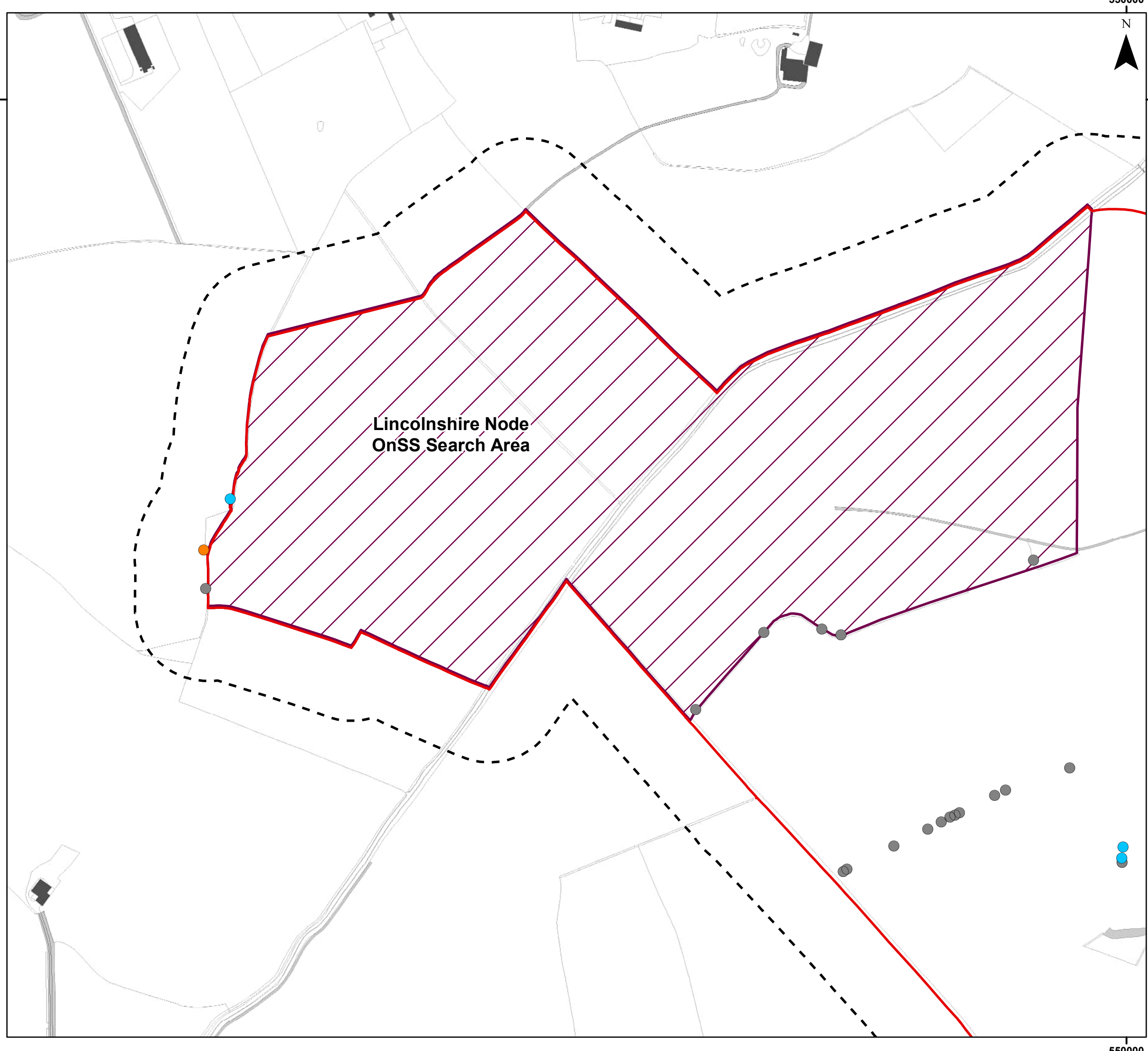


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Lincolnshire Node  
OnSS Search Area

- Legend**
- Onshore PEIR Boundary
  - Lincolnshire Node OnSS Search Area
  - Onshore PEIR Boundary Lincolnshire Node
  - 100 m Buffer
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Metres  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Lincolnshire Node  
 Bat Roost Potential  
 Figure 21.17.8



Date: 25/05/2023  
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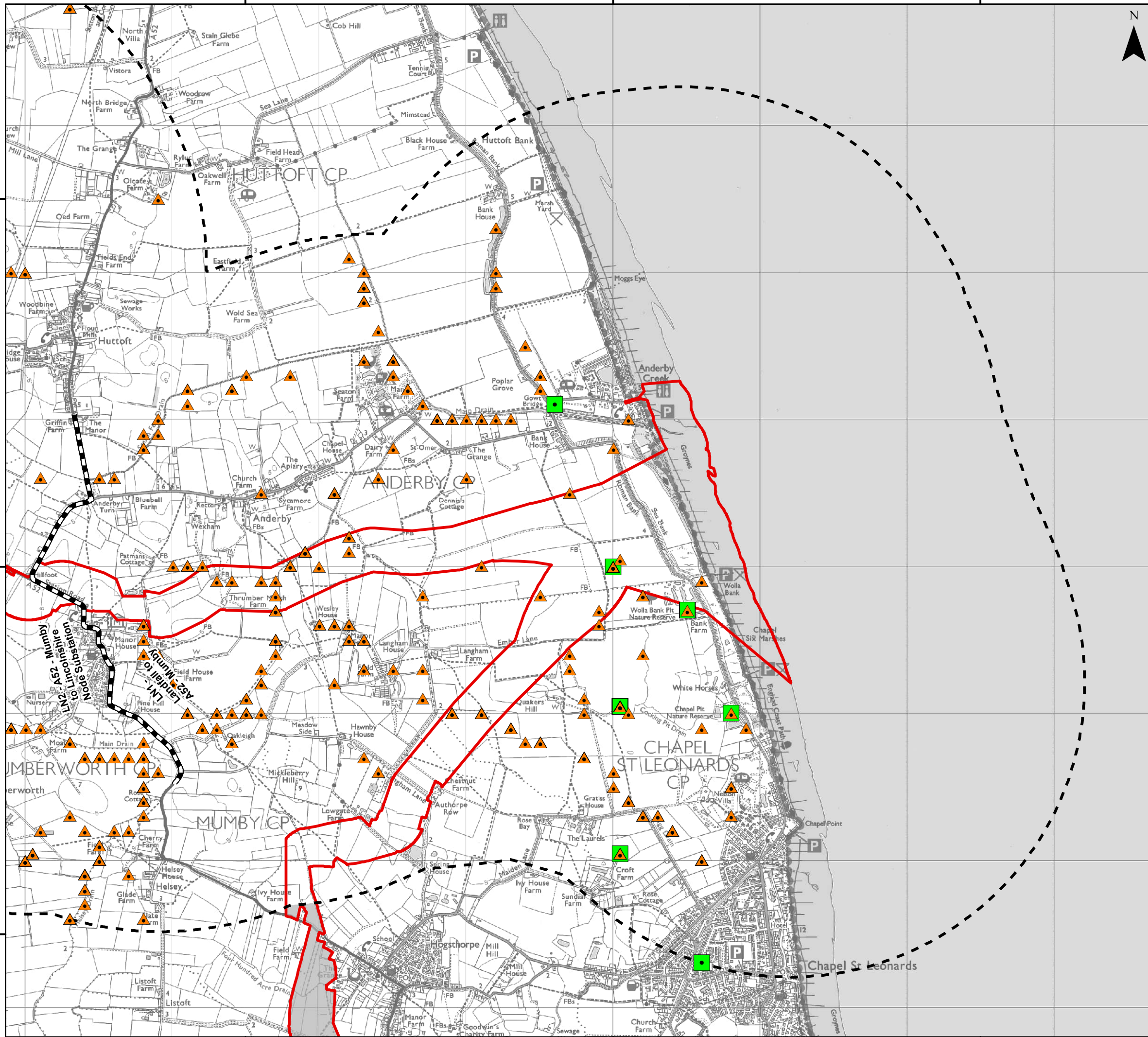
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
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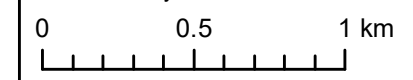
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
- Local Records: Riparian Mammals**
-  European Water Vole
-  Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.18.1



Date: 25/05/2023  
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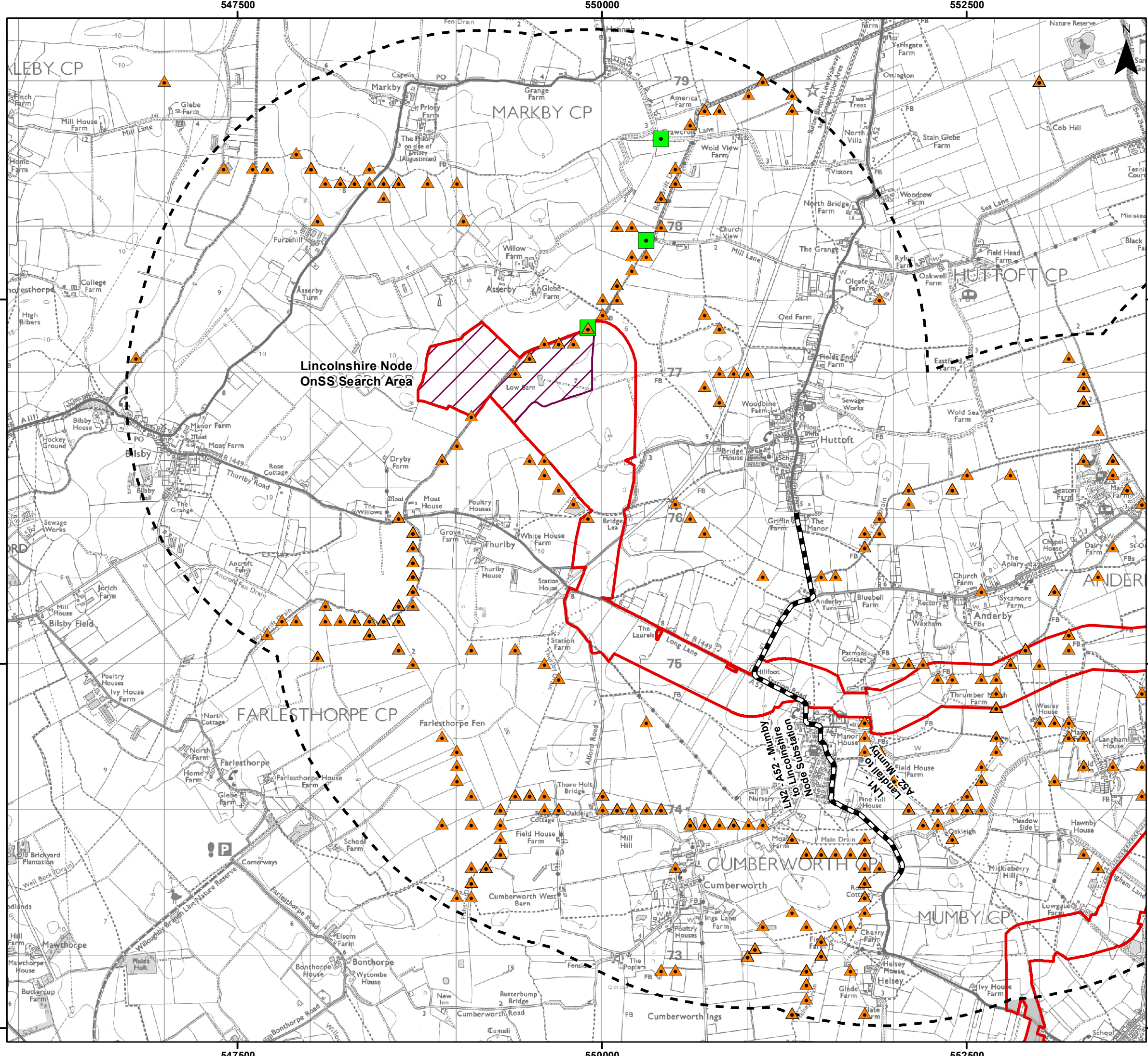
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**Legend**

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search Area
- Onshore Segment Break
- Onshore PEIR Boundary 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid

0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.18.2



Date: 25/05/2023  
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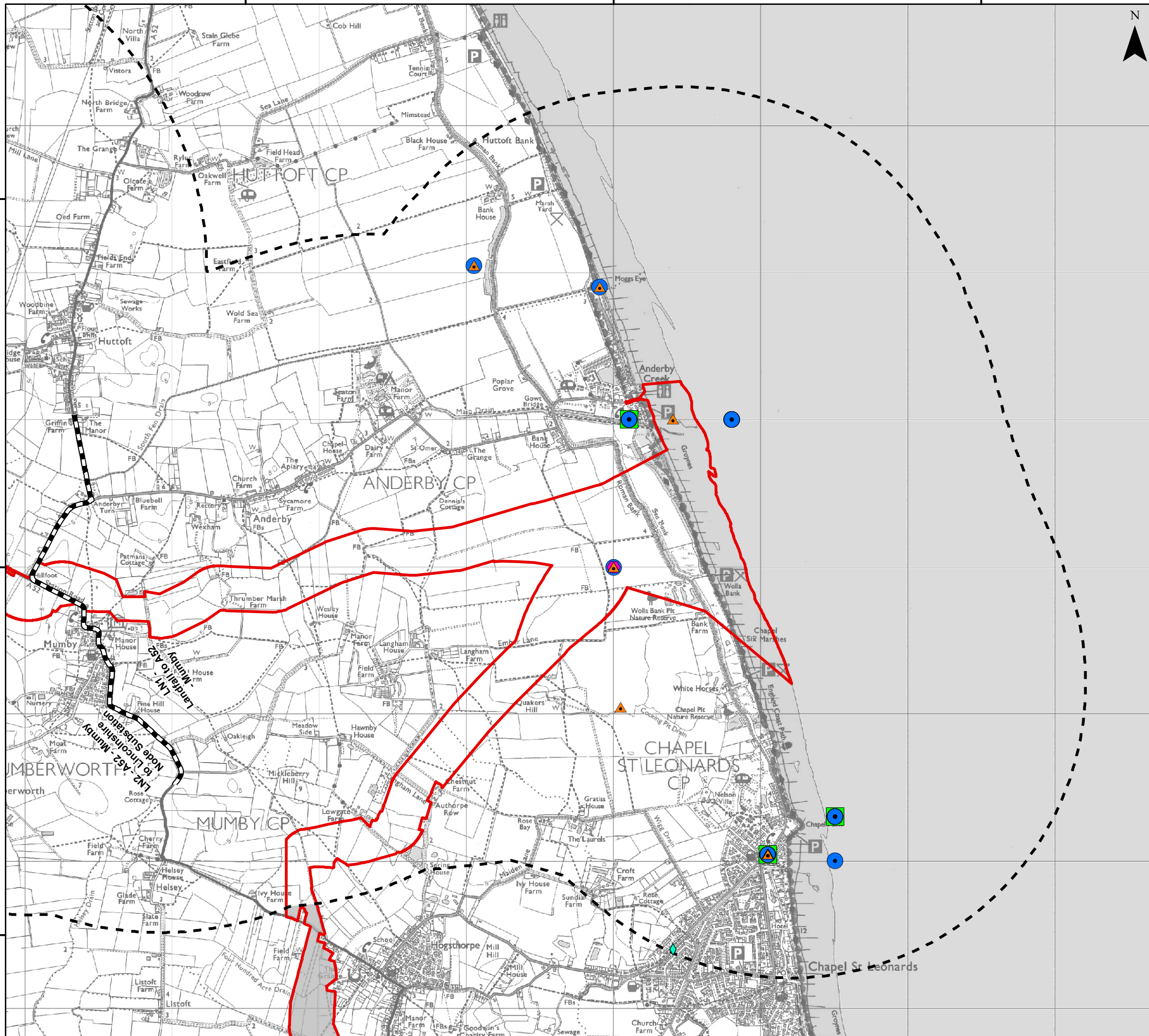
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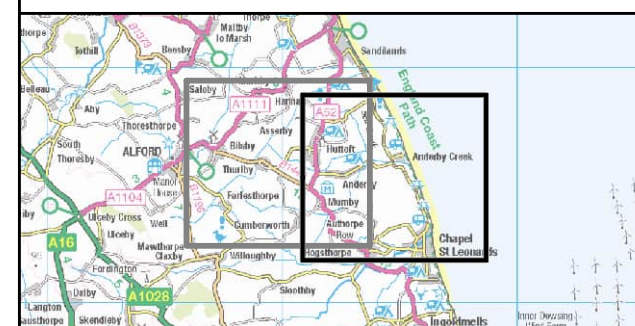
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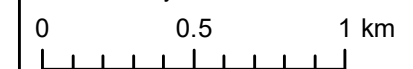
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 2 km Buffer
- Local Records: Marine Mammals**
-  Hooded Seal
-  Common Porpoise
-  Fin Whale
-  Grey Seal
-  Harbour Seal

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Amphibians  
Figure 21.19.1



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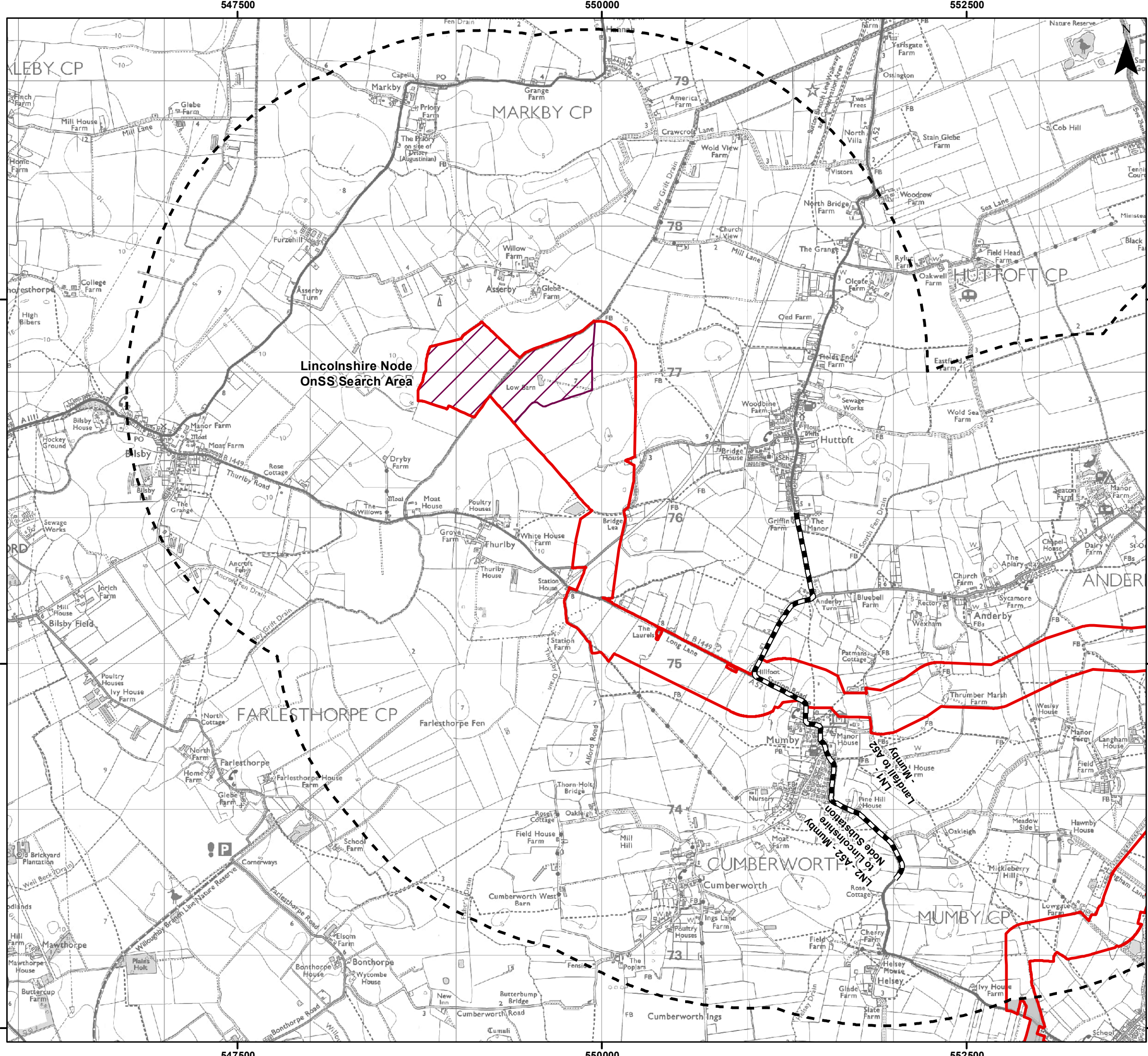
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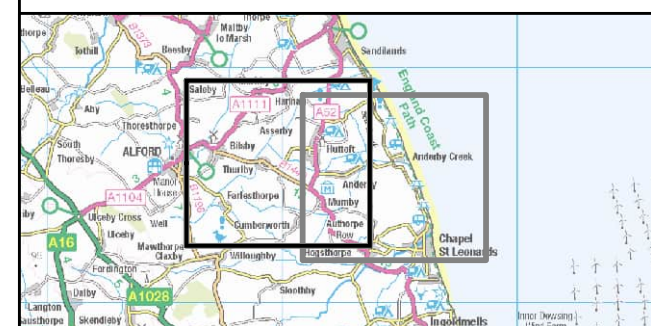
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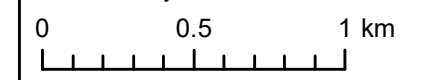


- Legend**
- Onshore PEIR Boundary
  - Lincolnshire Node OnSS Search Area
  - Onshore Segment Break
  - Onshore PEIR Boundary 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Lincolnshire Node  
Protected and Notable Species Records  
Amphibians  
Figure 21.19.2



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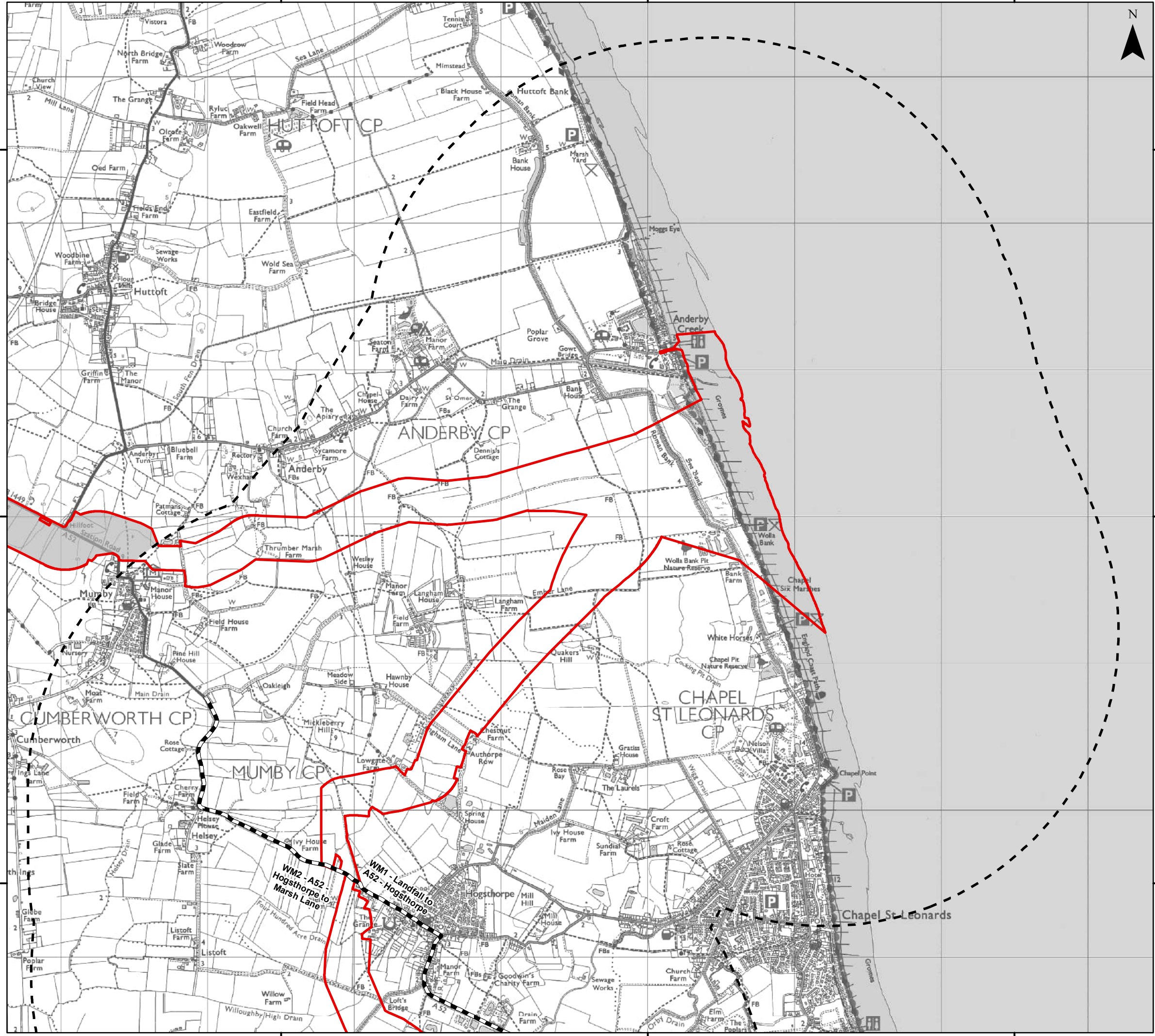
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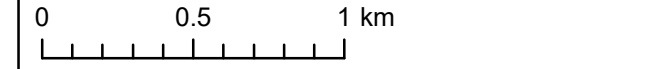
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.1



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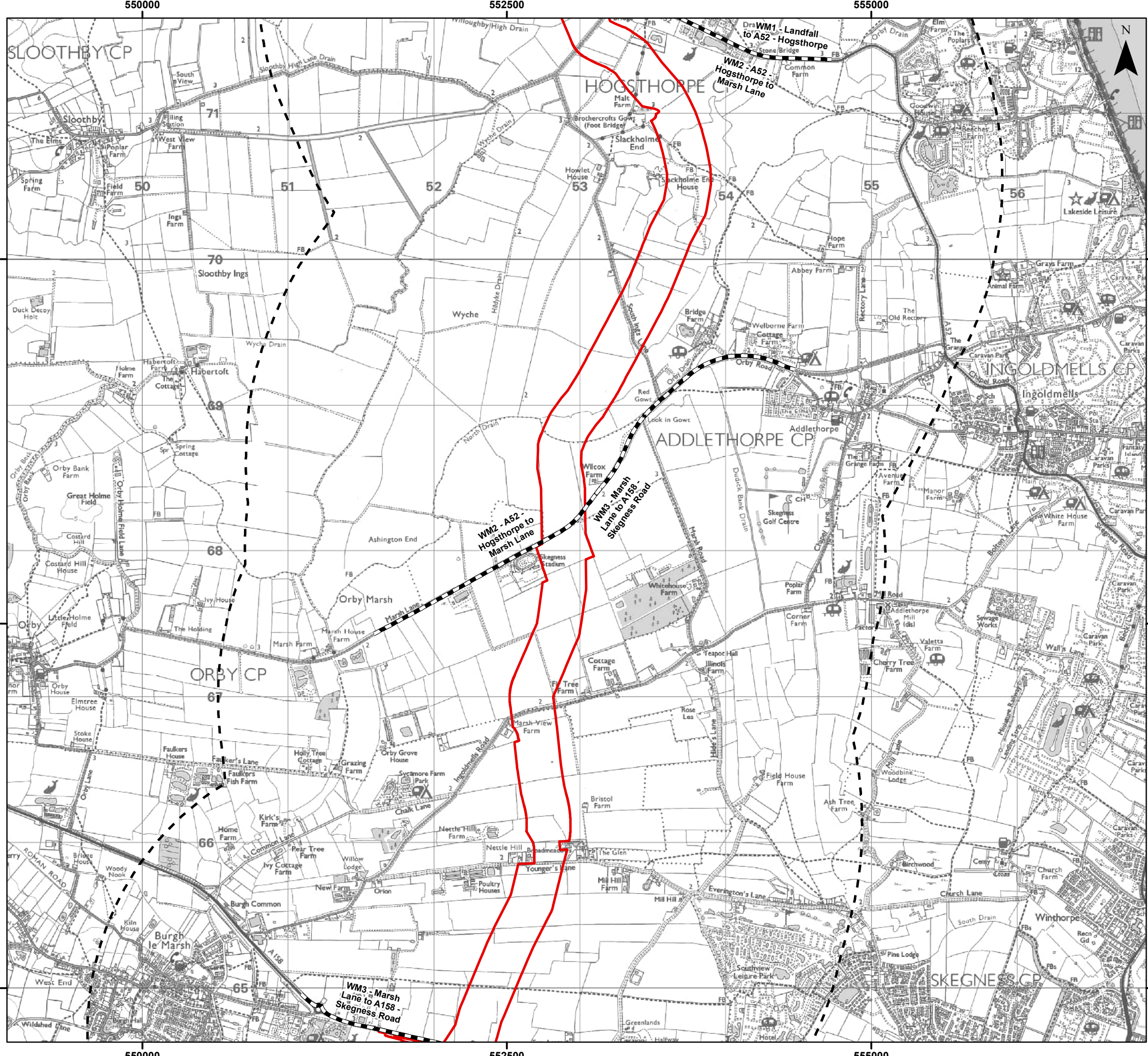
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.2

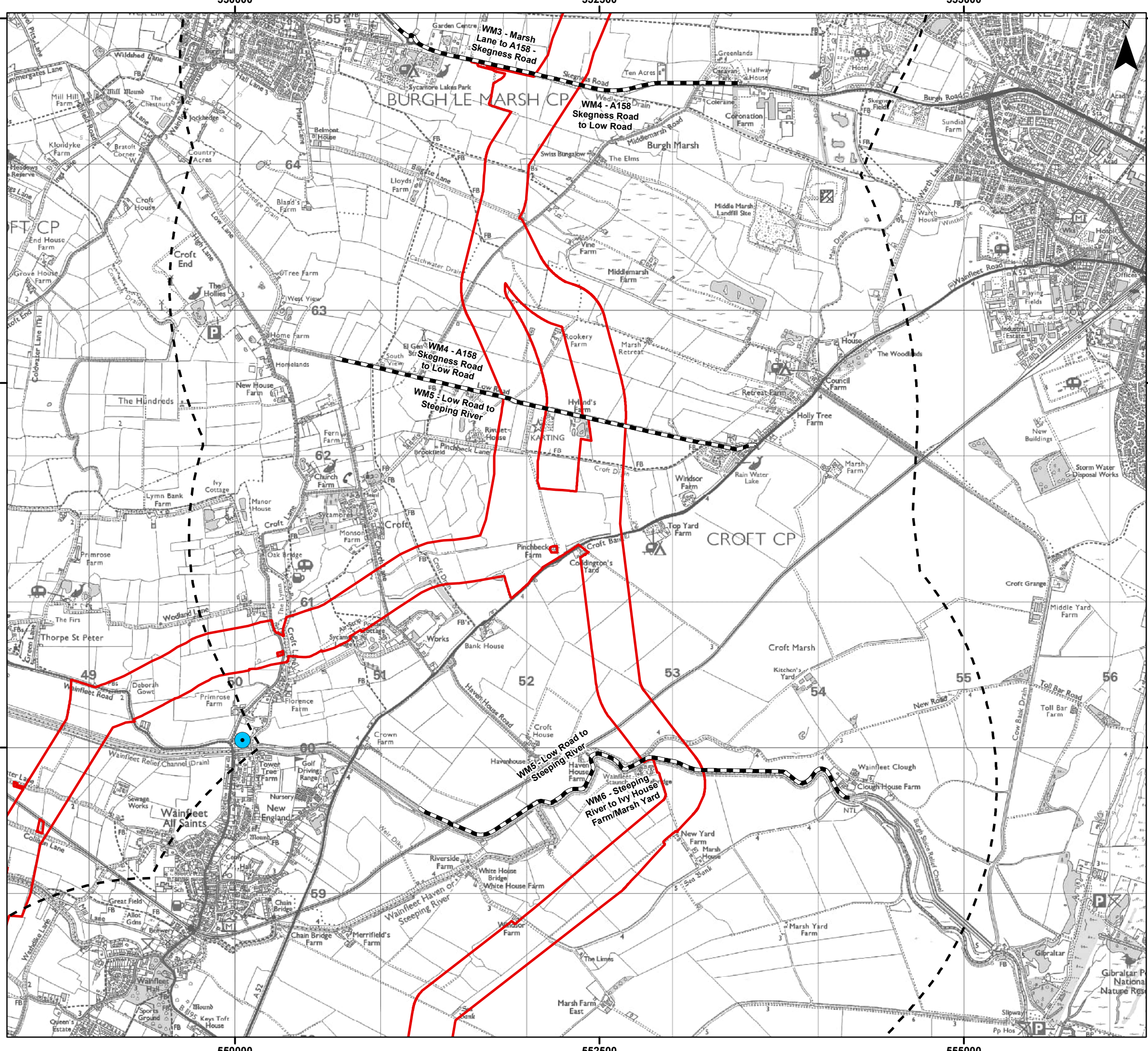


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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

- Local Records: Plants**
- Bluebell

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid

0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Plants

Figure 21.20.3

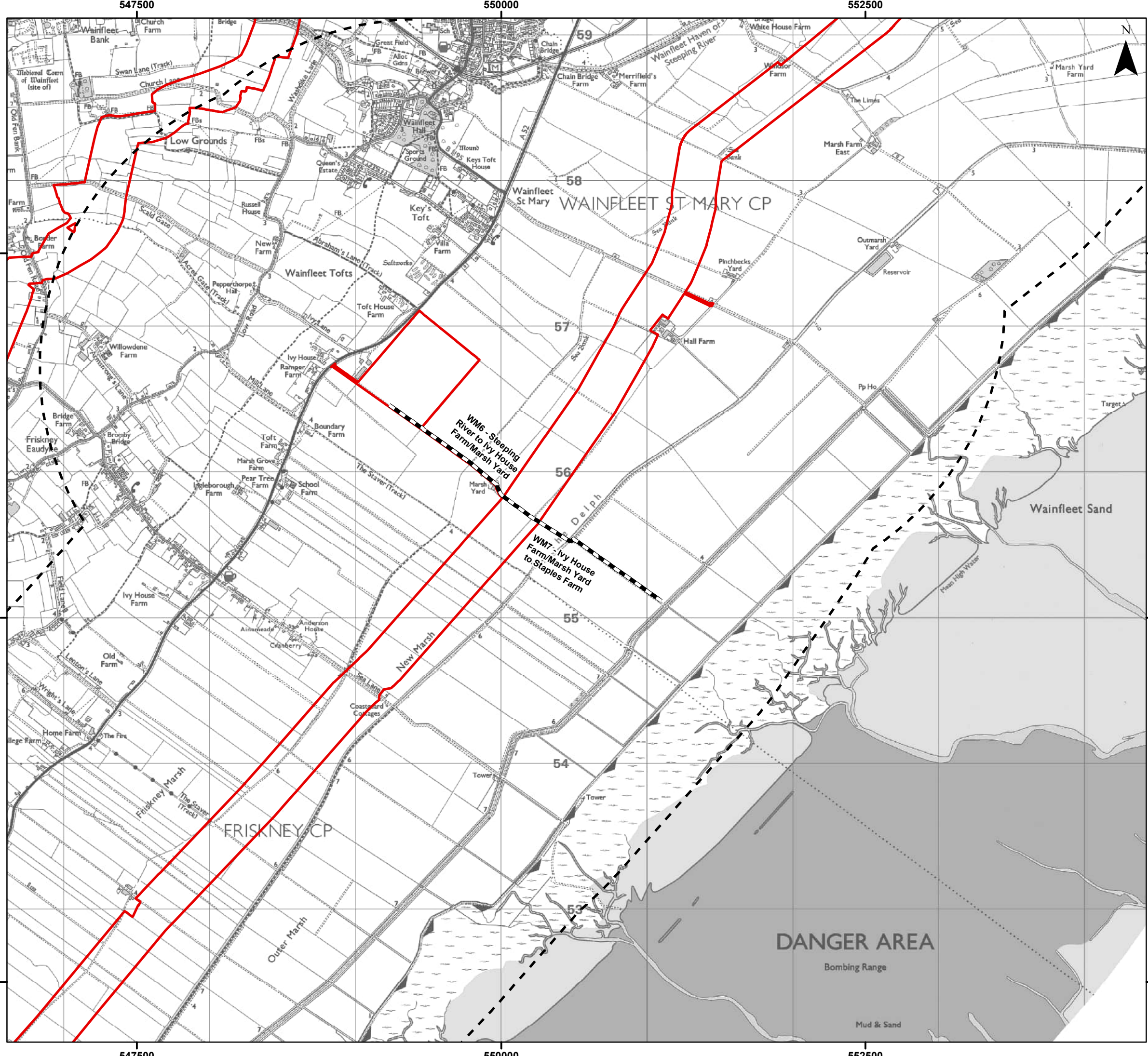


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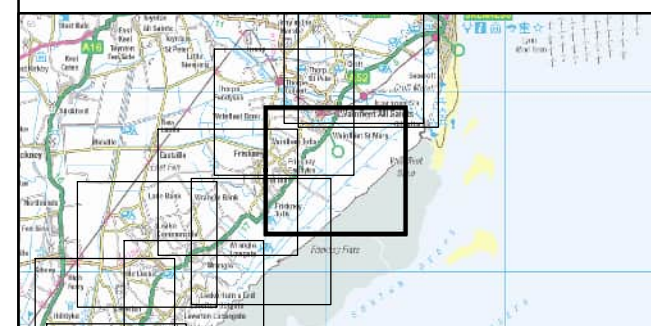
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.4

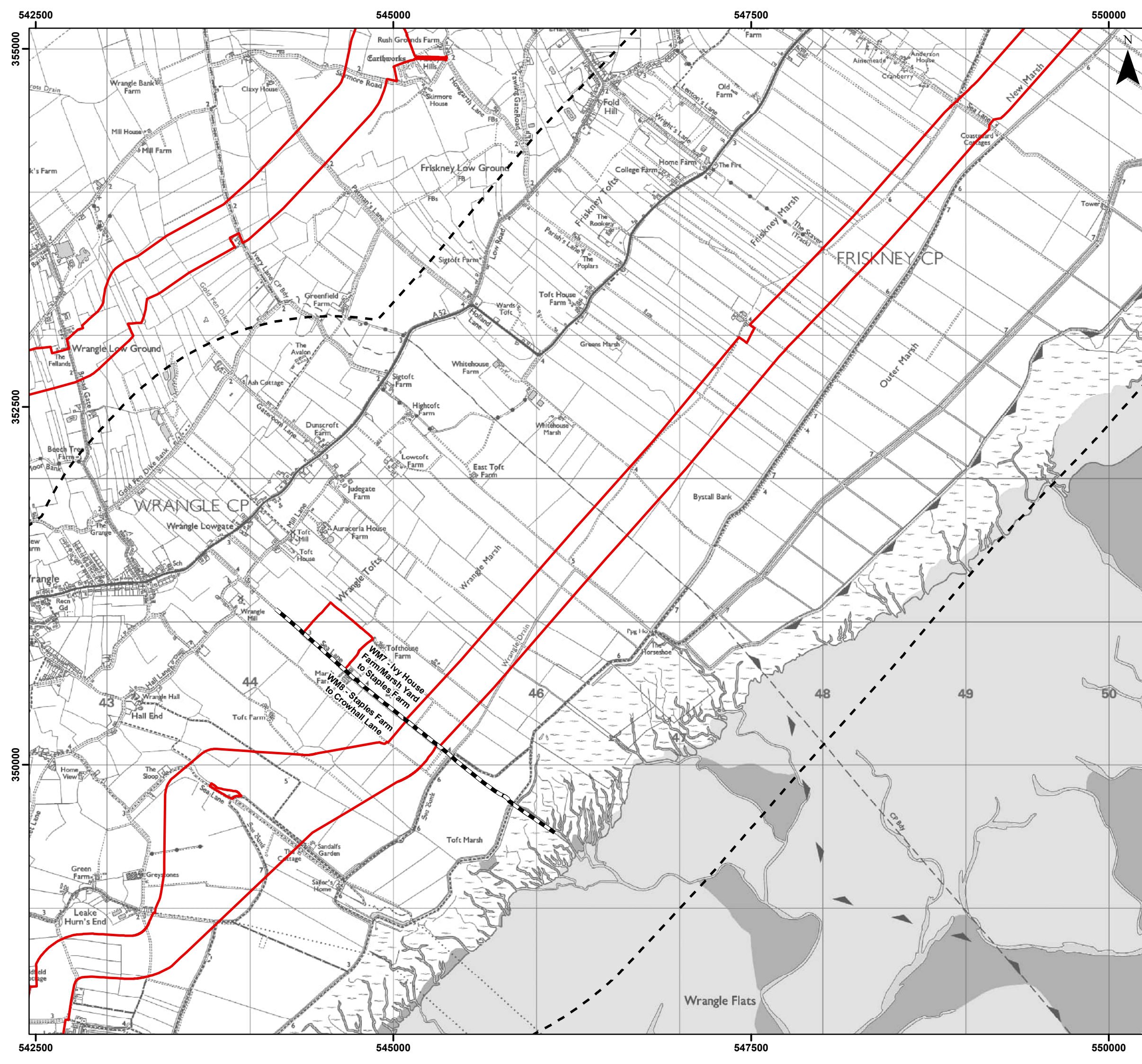


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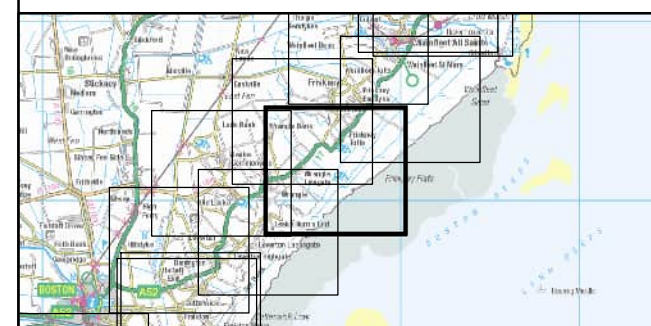
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.5

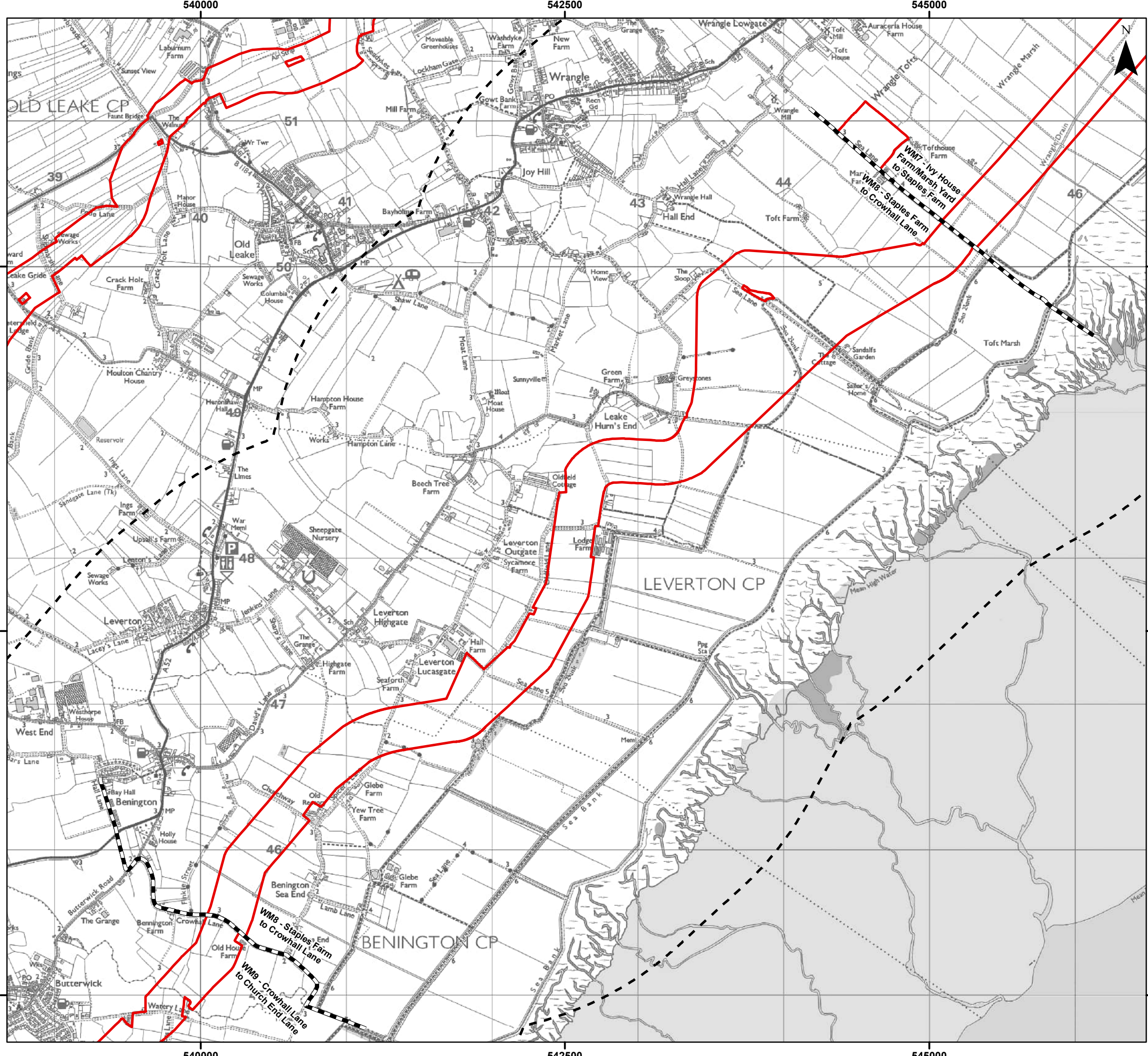


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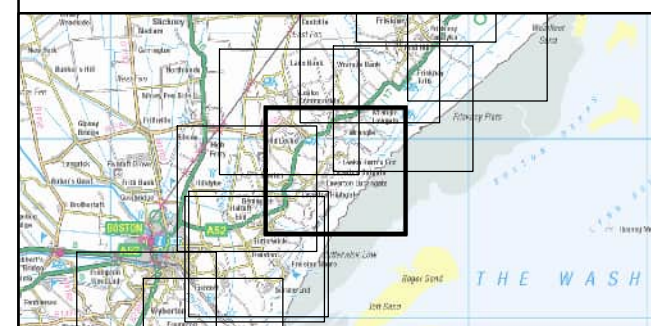
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.6

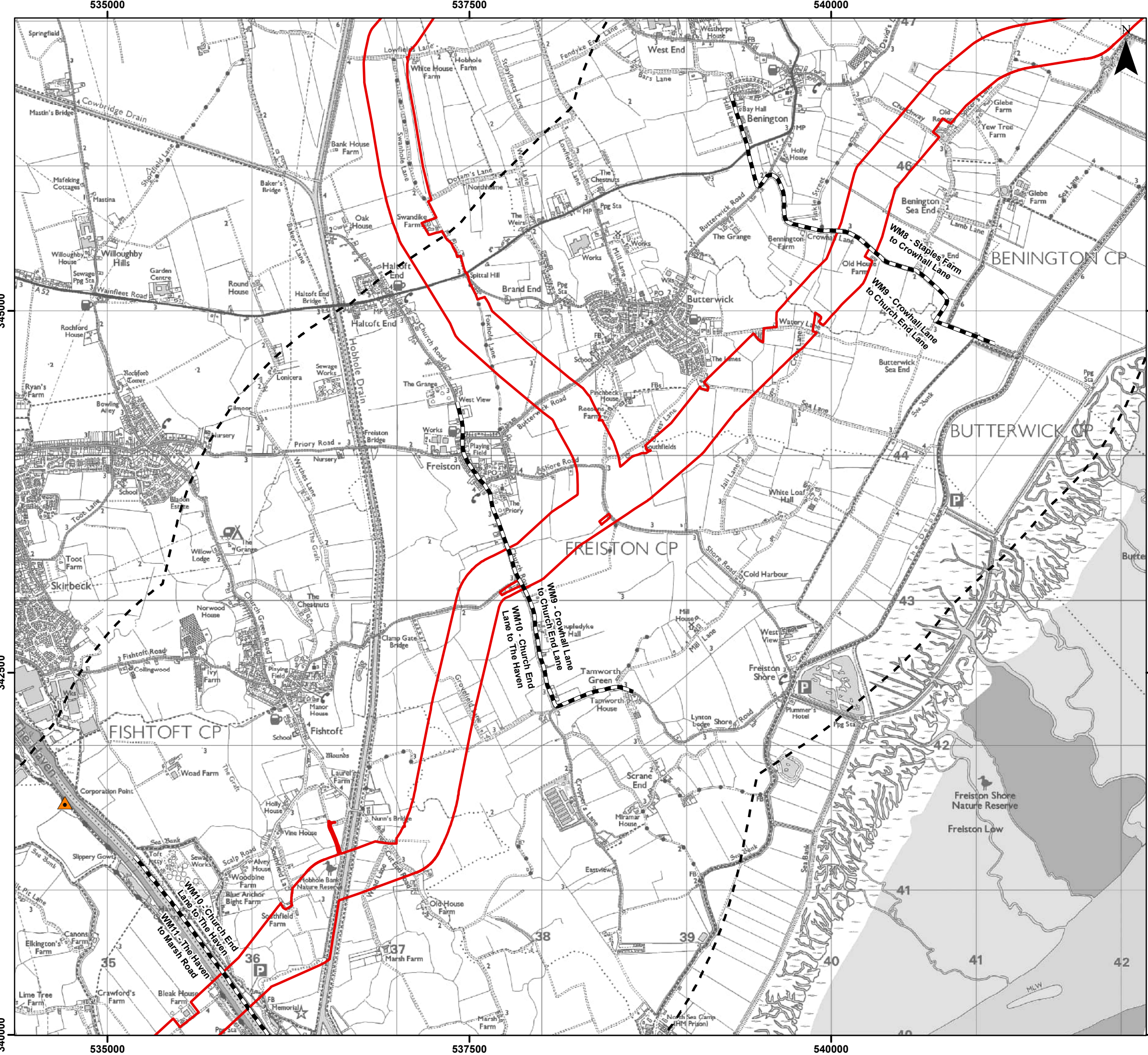


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Plants**
- ▲ Branched Horsetail

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Plants

Figure 21.20.7



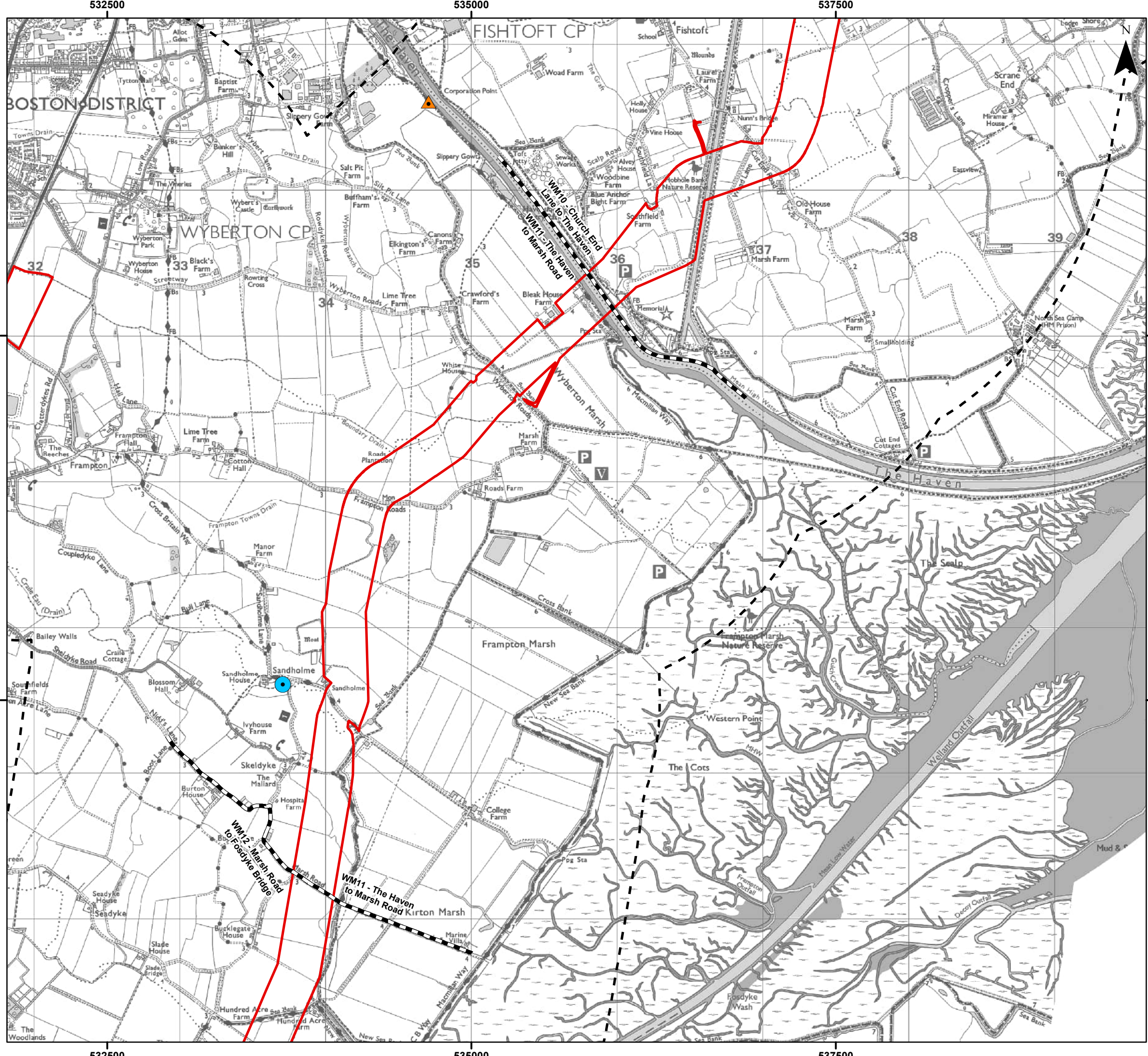
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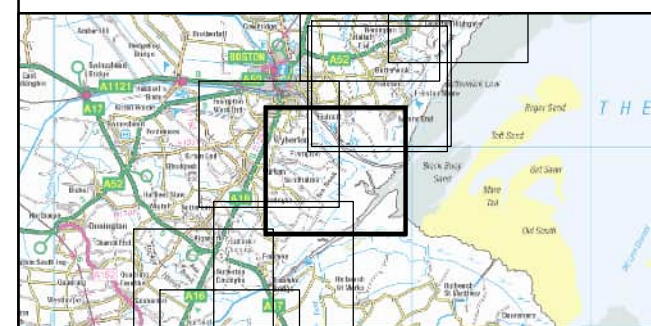




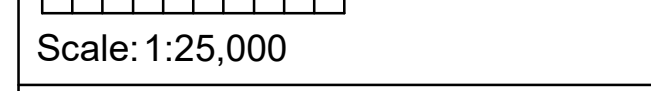
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Plants**
- ▲ Branched Horsetail
- Bluebell

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



**Scale: 1:25,000**

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records Plants

Figure 21.20.8

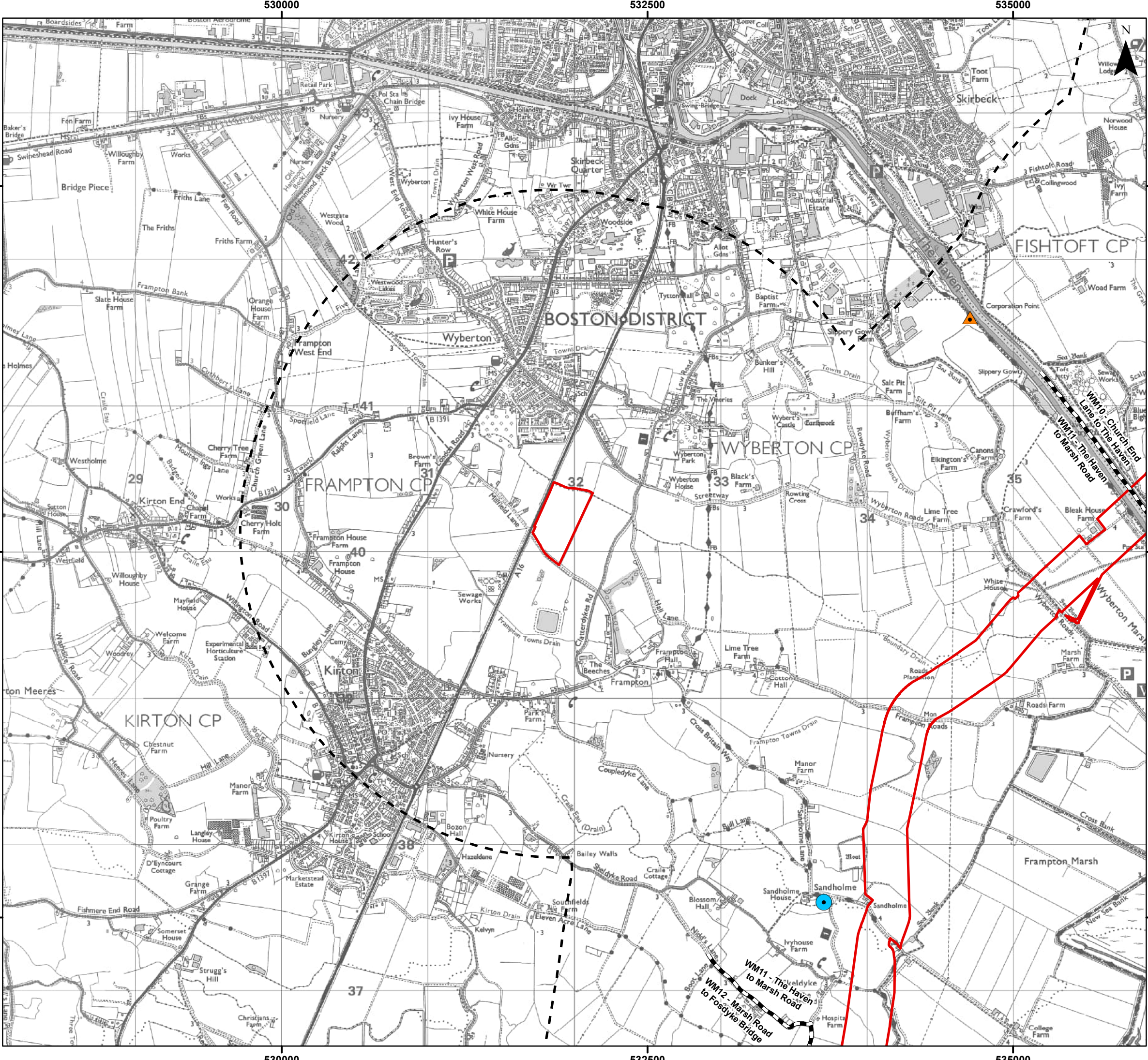


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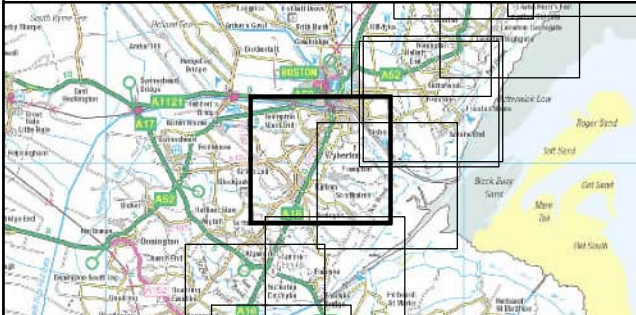
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Plants**

- ▲ Branched Horsetail
- Bluebell

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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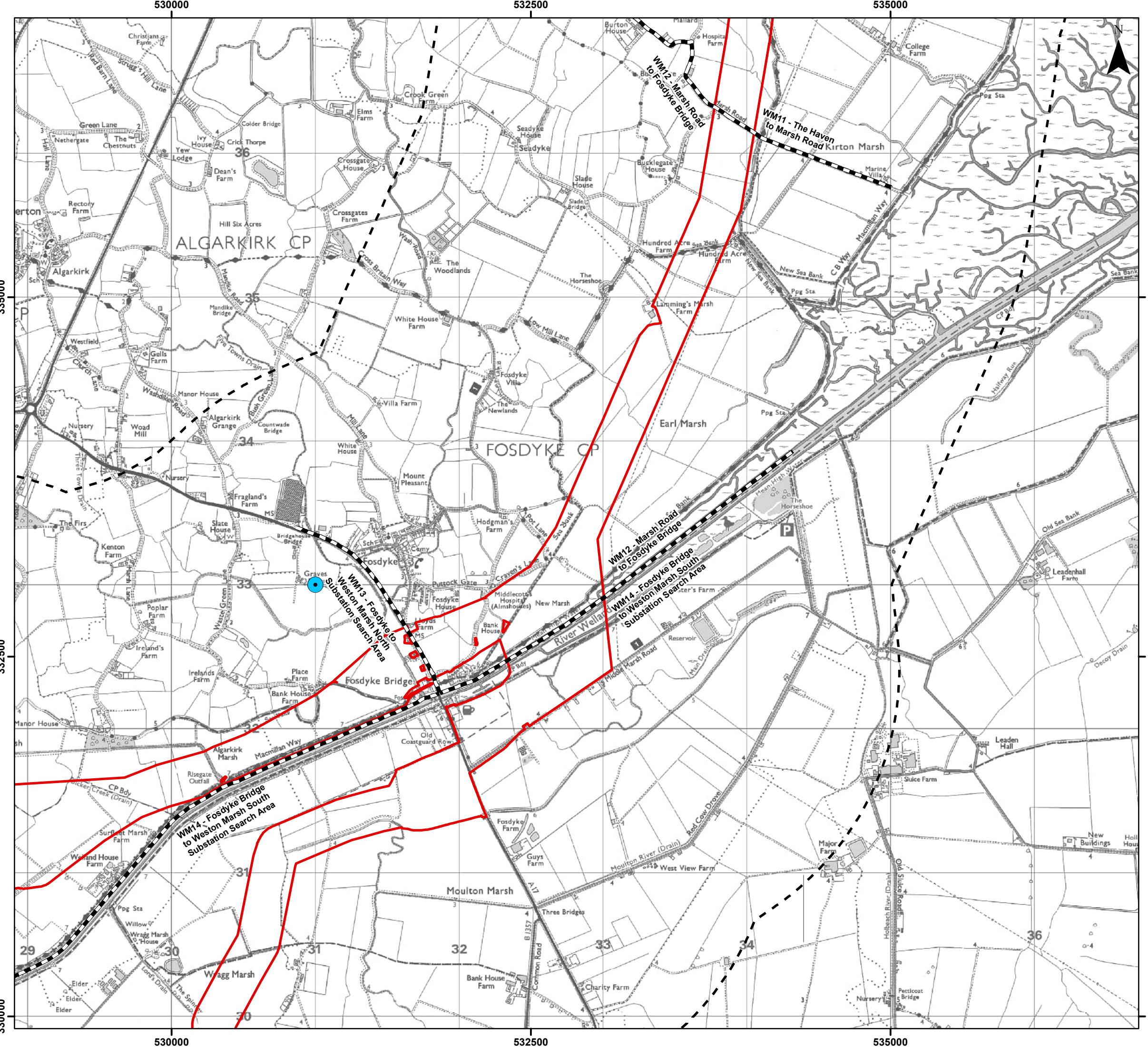
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.9



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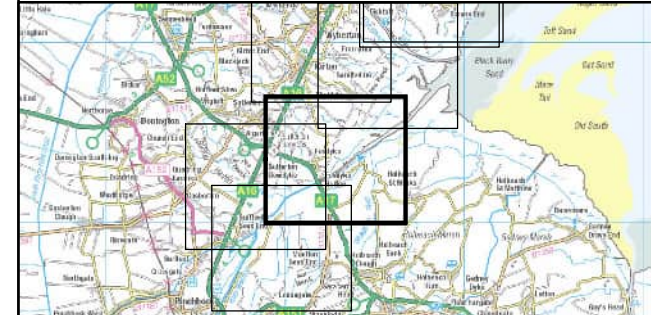
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Plants**

- Bluebell

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.10

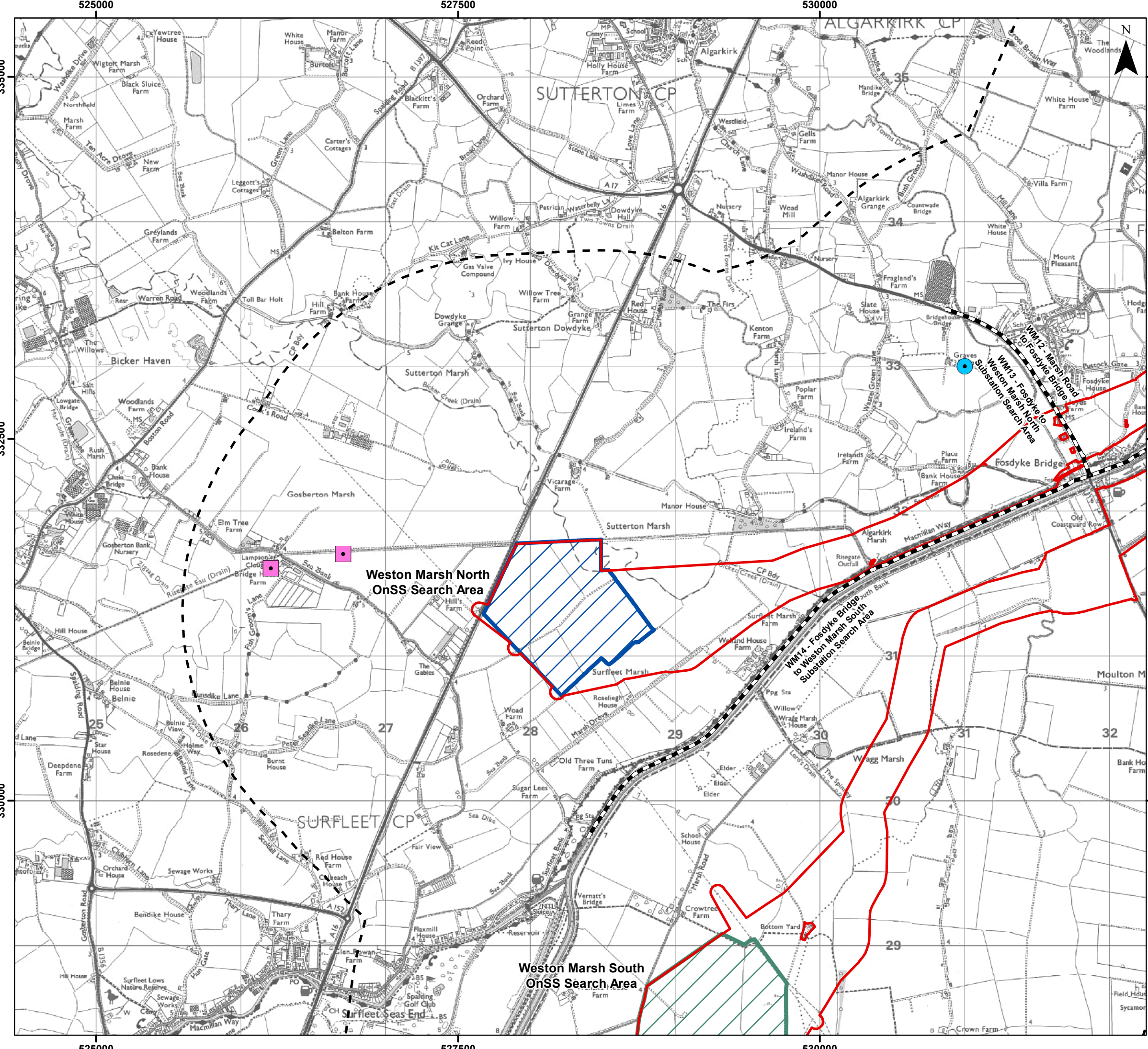


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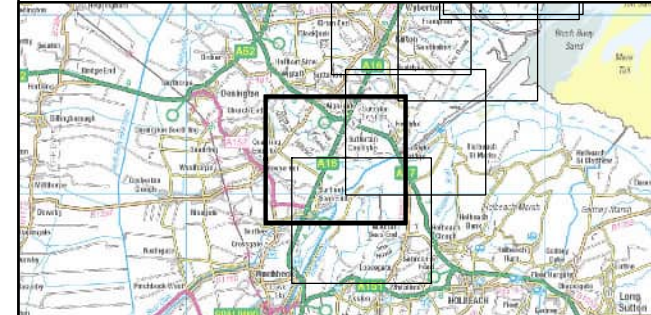
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Plants**

- Deptford Pink
- Bluebell

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



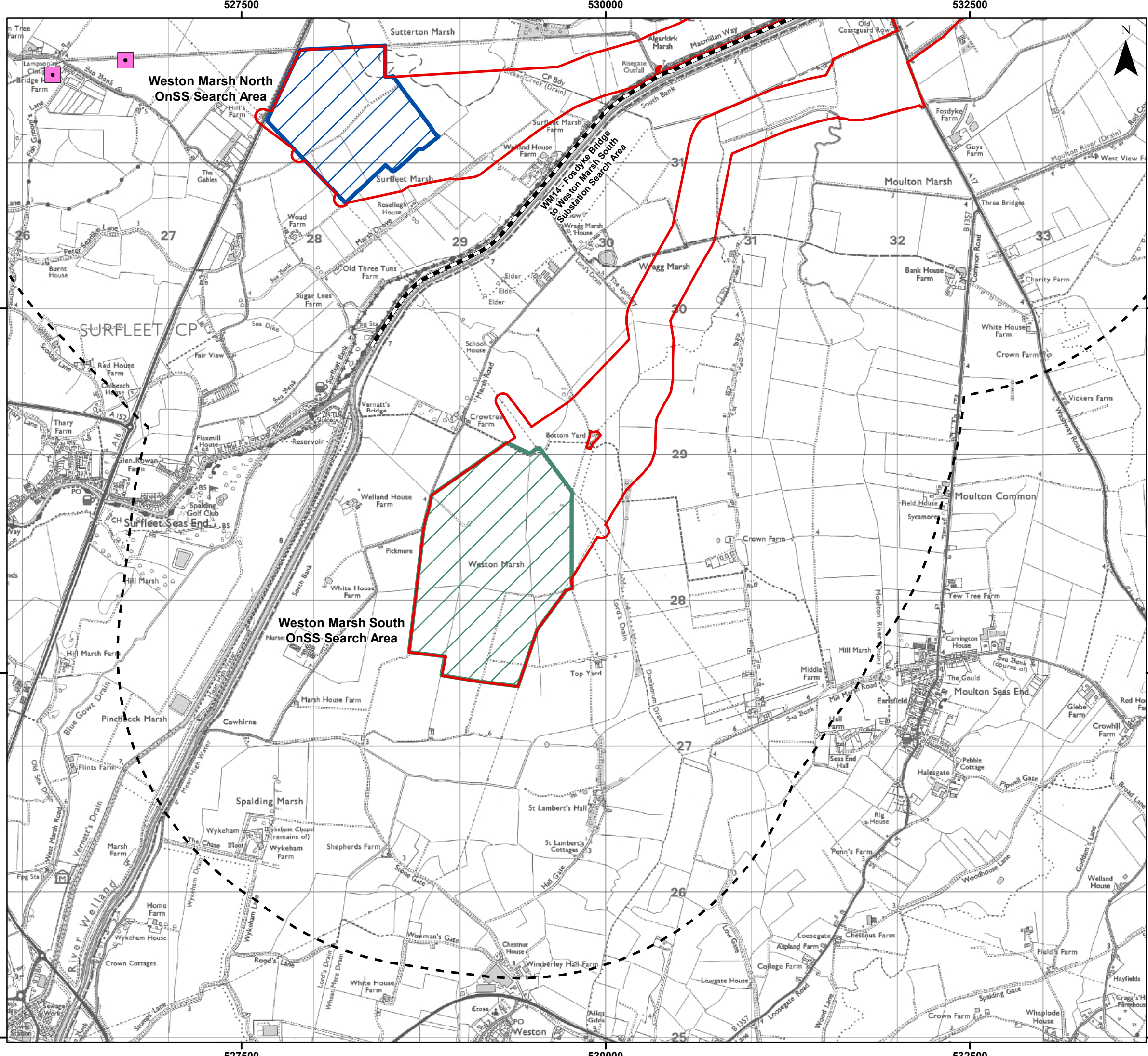
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.11

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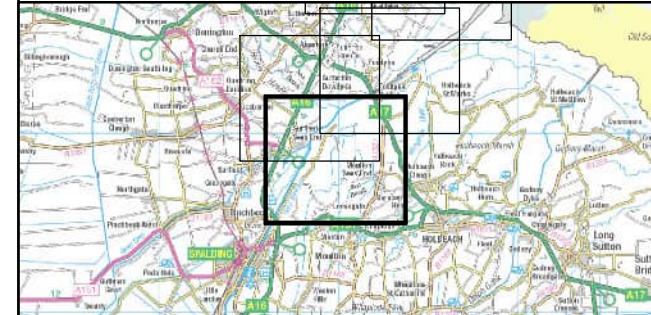


- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

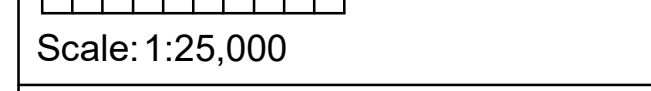
**Local Records: Plants**

- Deptford Pink

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Plants  
Figure 21.20.12

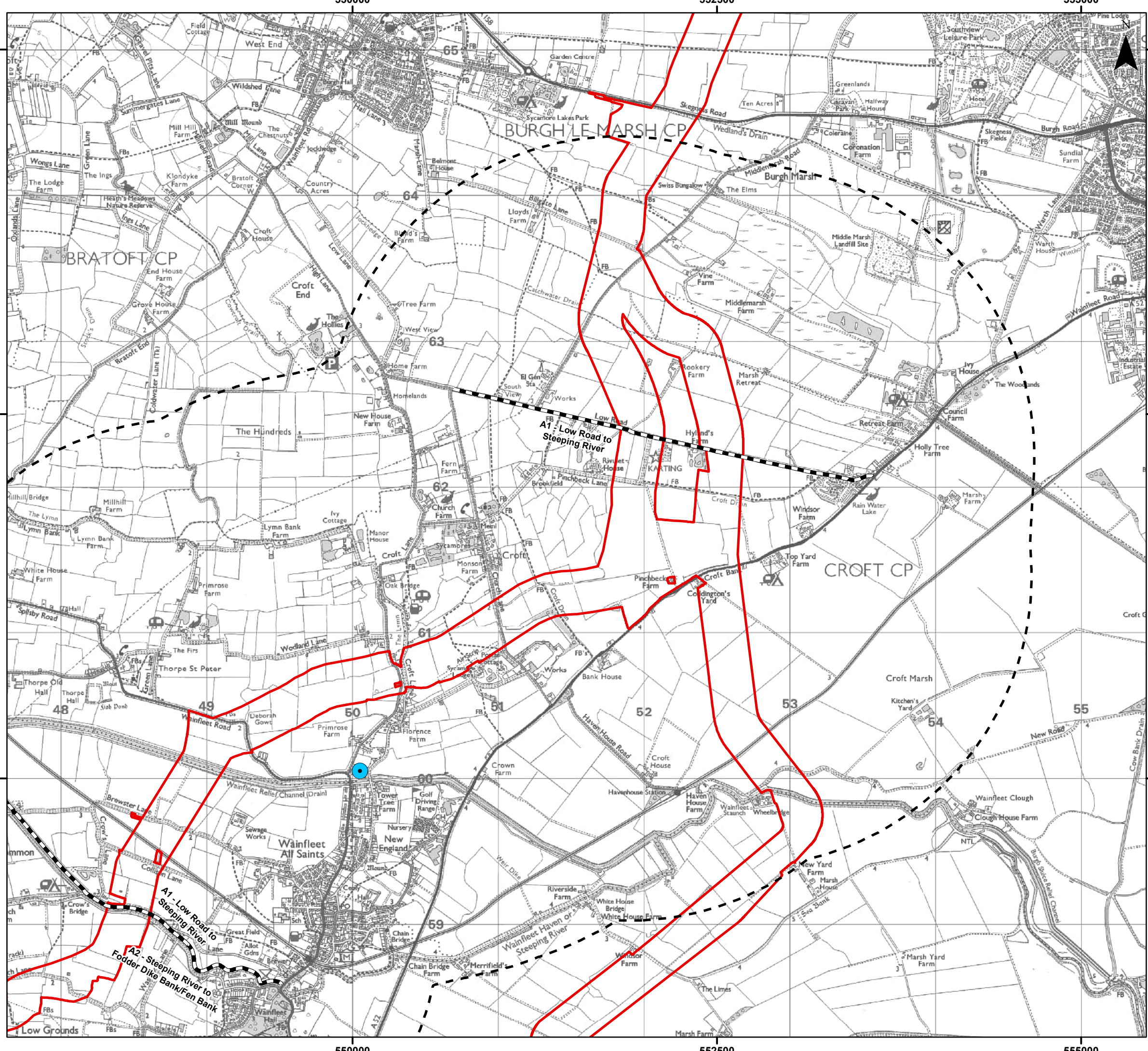


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

**Local Records: Plants**

- Bluebell

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.13

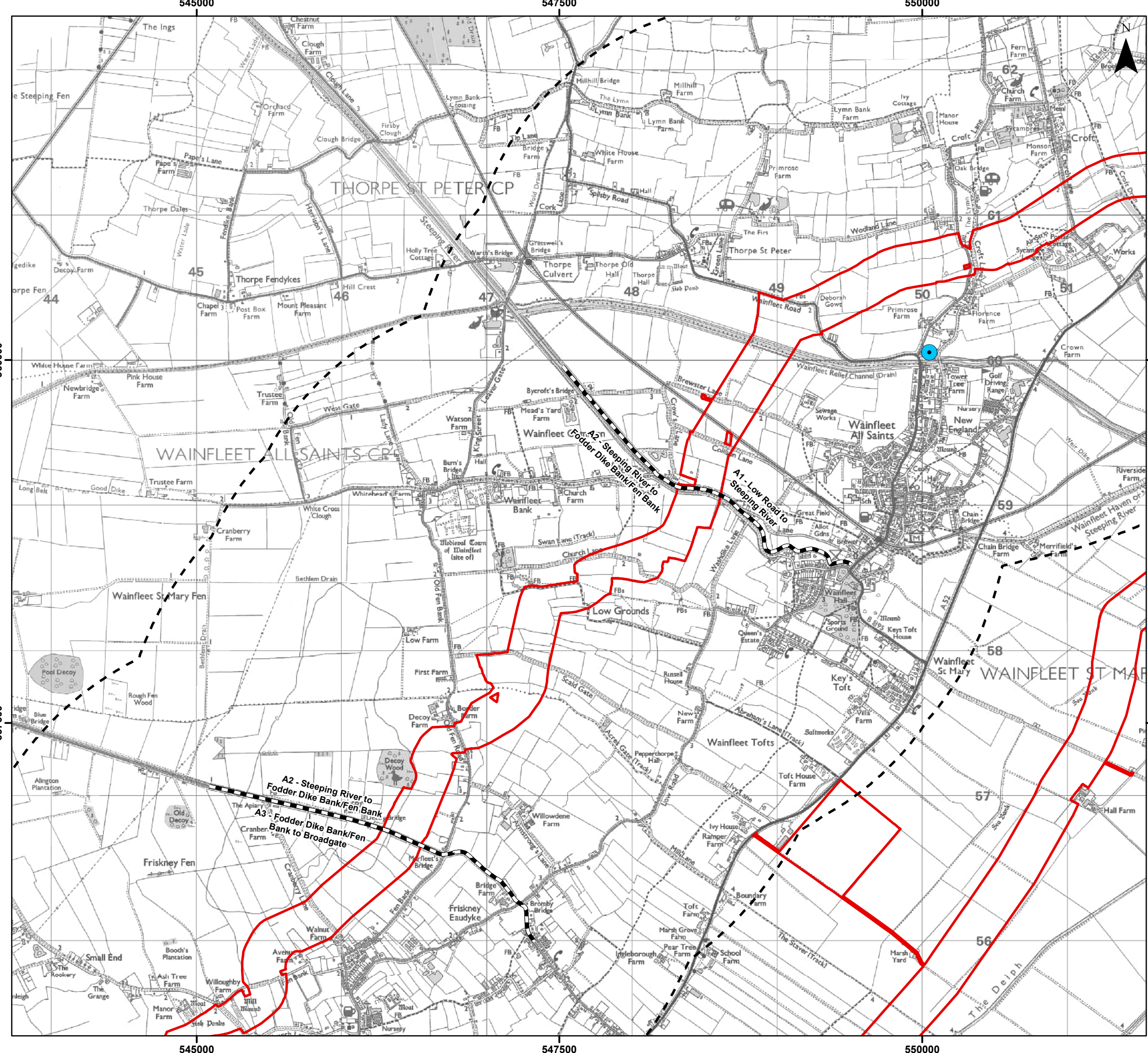


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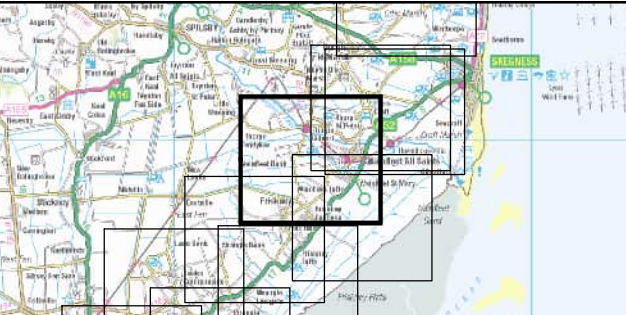
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

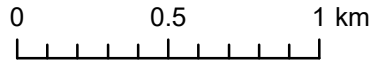
**Local Records: Plants**

- Bluebell

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Plants

Figure 21.20.14



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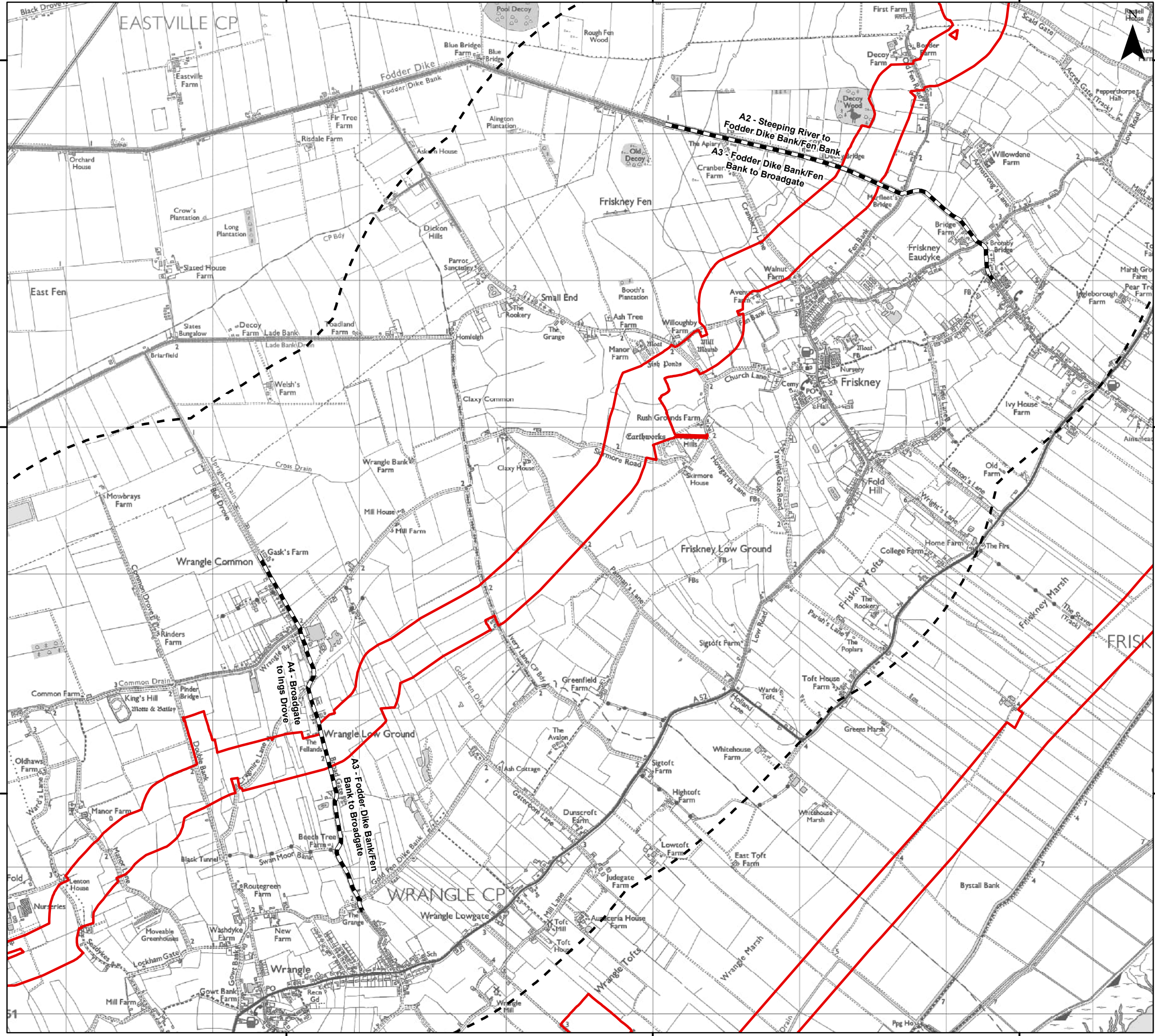
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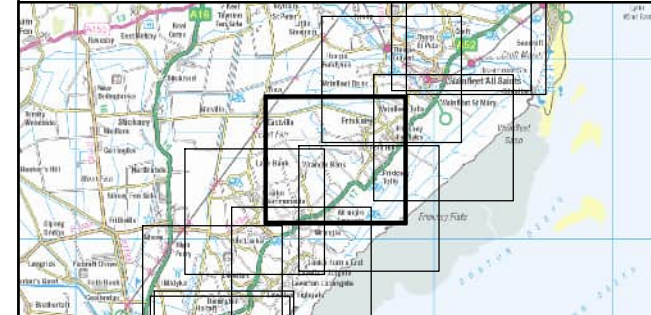
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Plants  
Figure 21.20.15



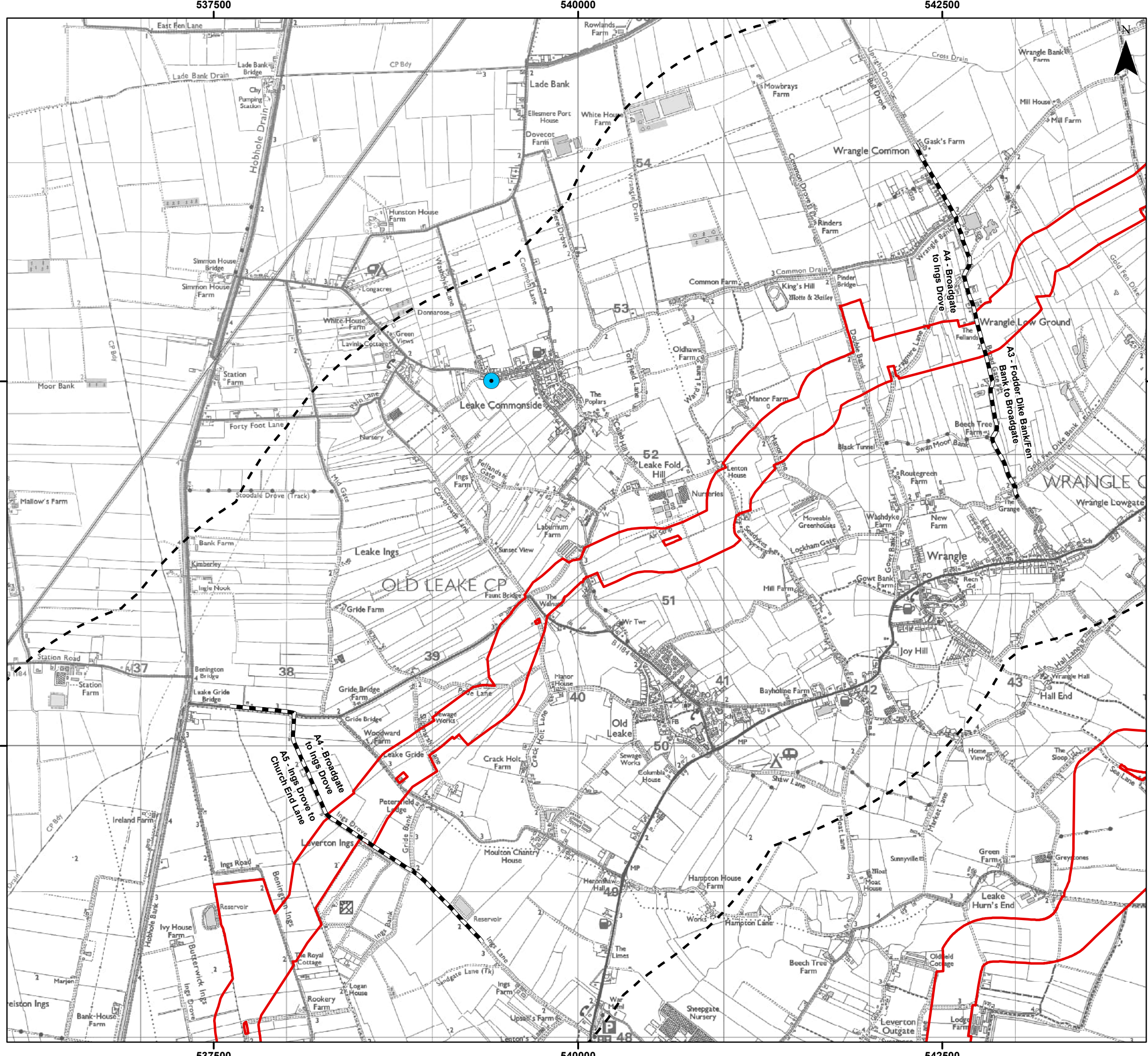
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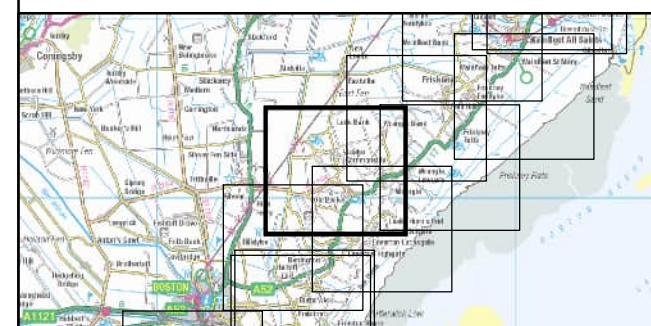




**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Plants**
- Bluebell

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.16

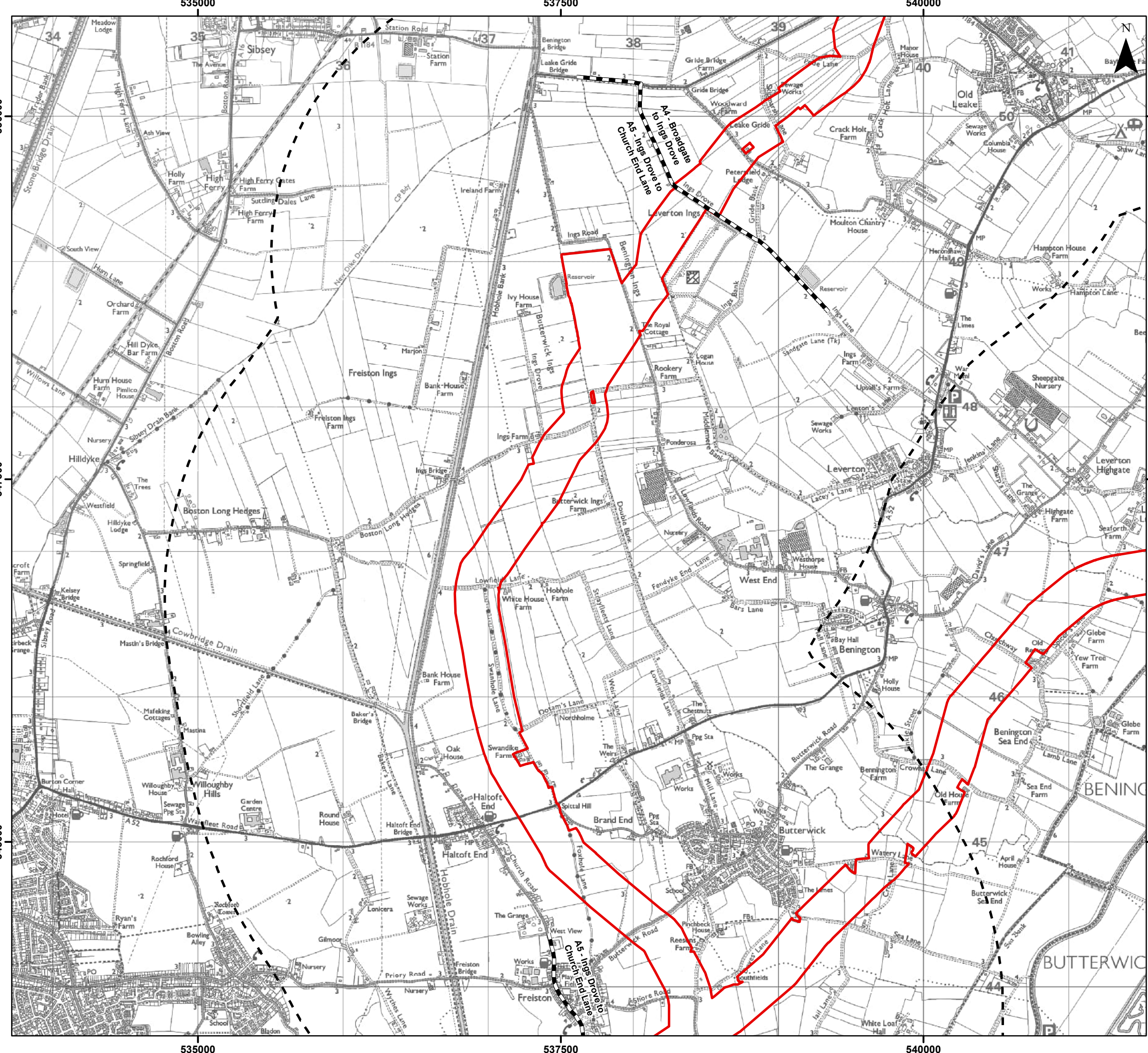


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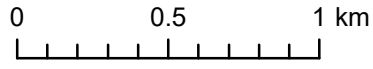
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Plants  
Figure 21.20.17

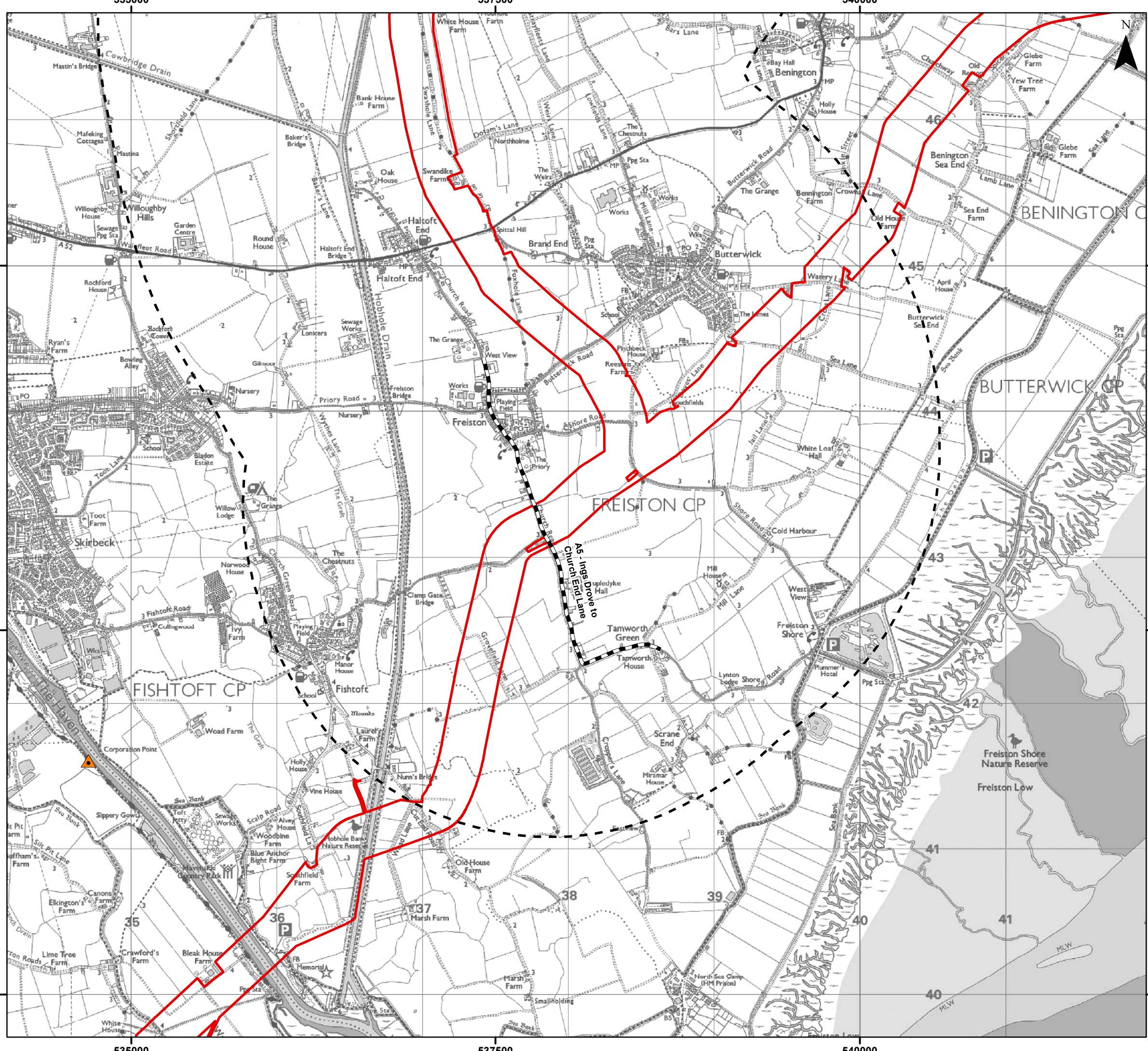


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Plants**
- ▲ Branched Horsetail

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Plants  
 Figure 21.20.18



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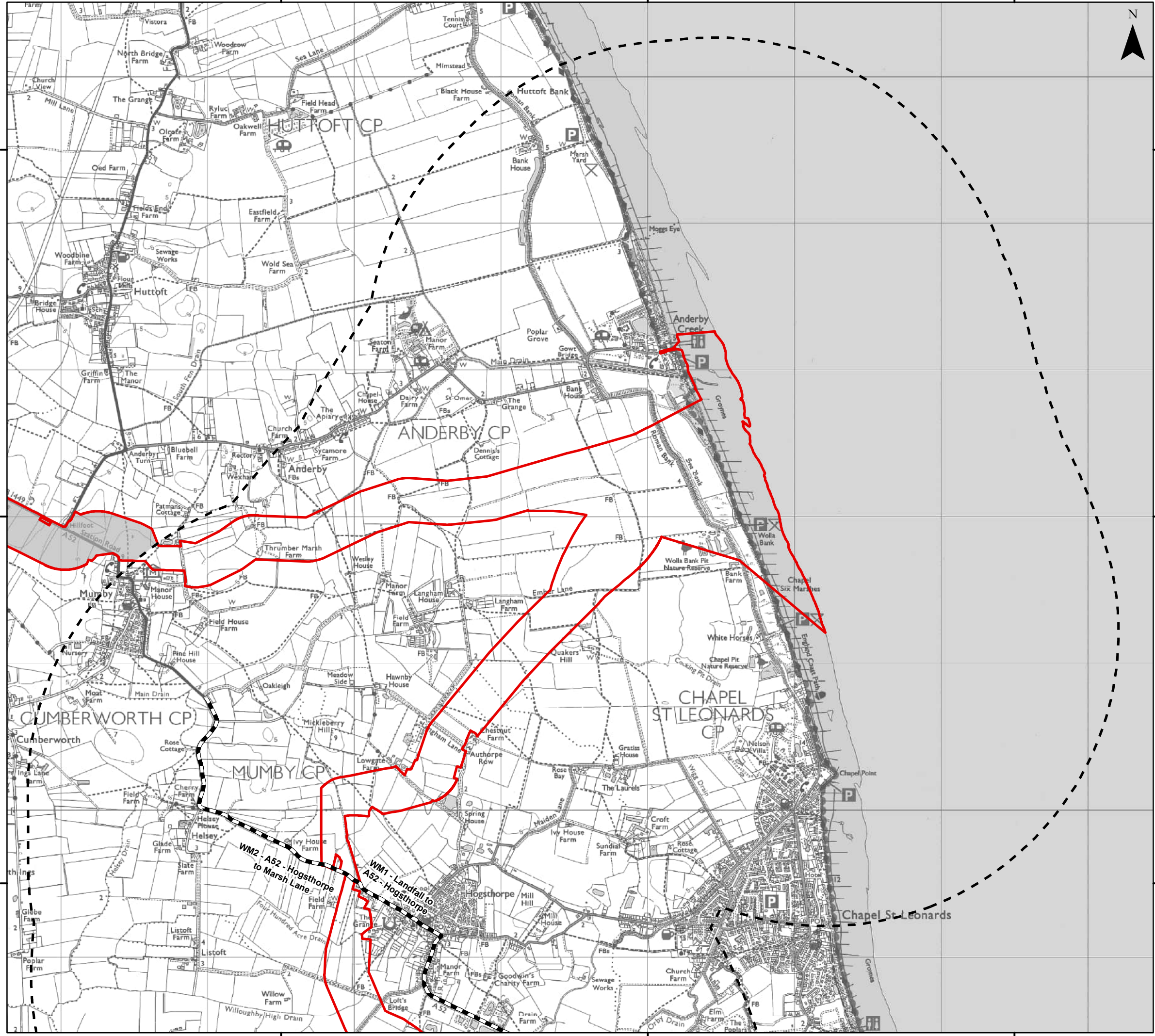
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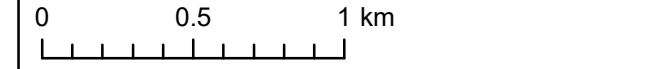
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

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Weston Marsh  
Protected and Notable Species Records Fish

Figure 21.21.1



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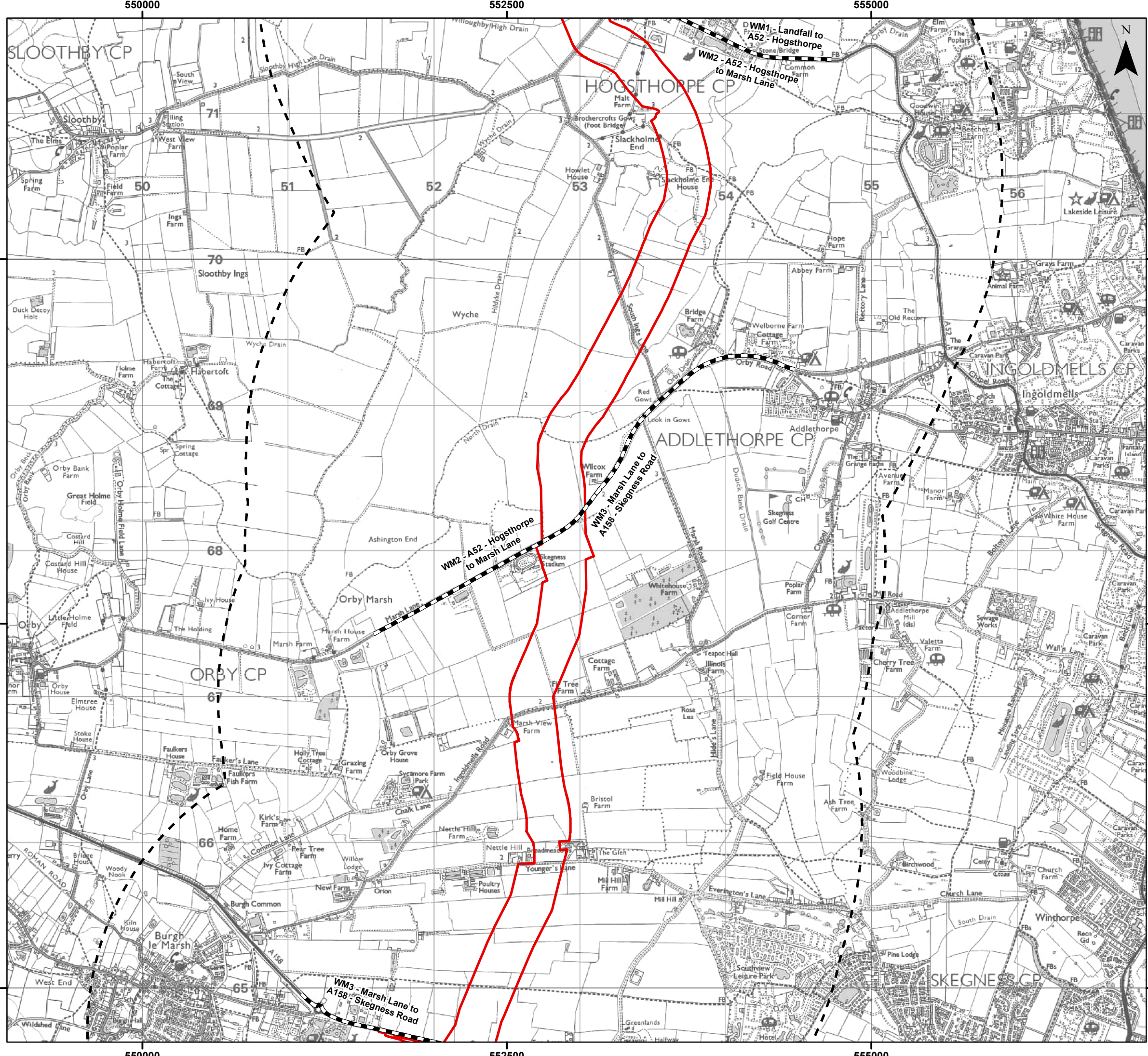
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.2

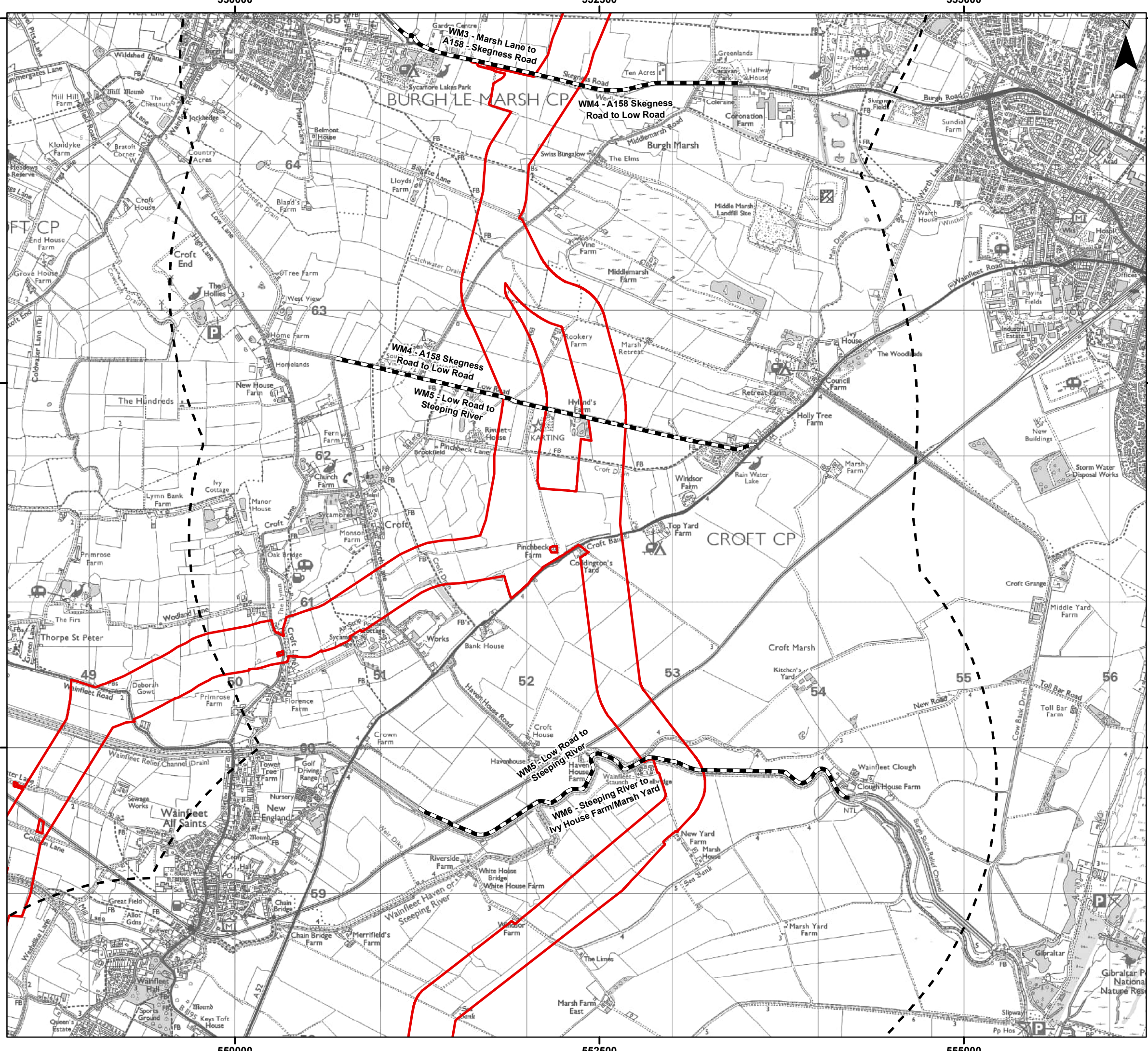


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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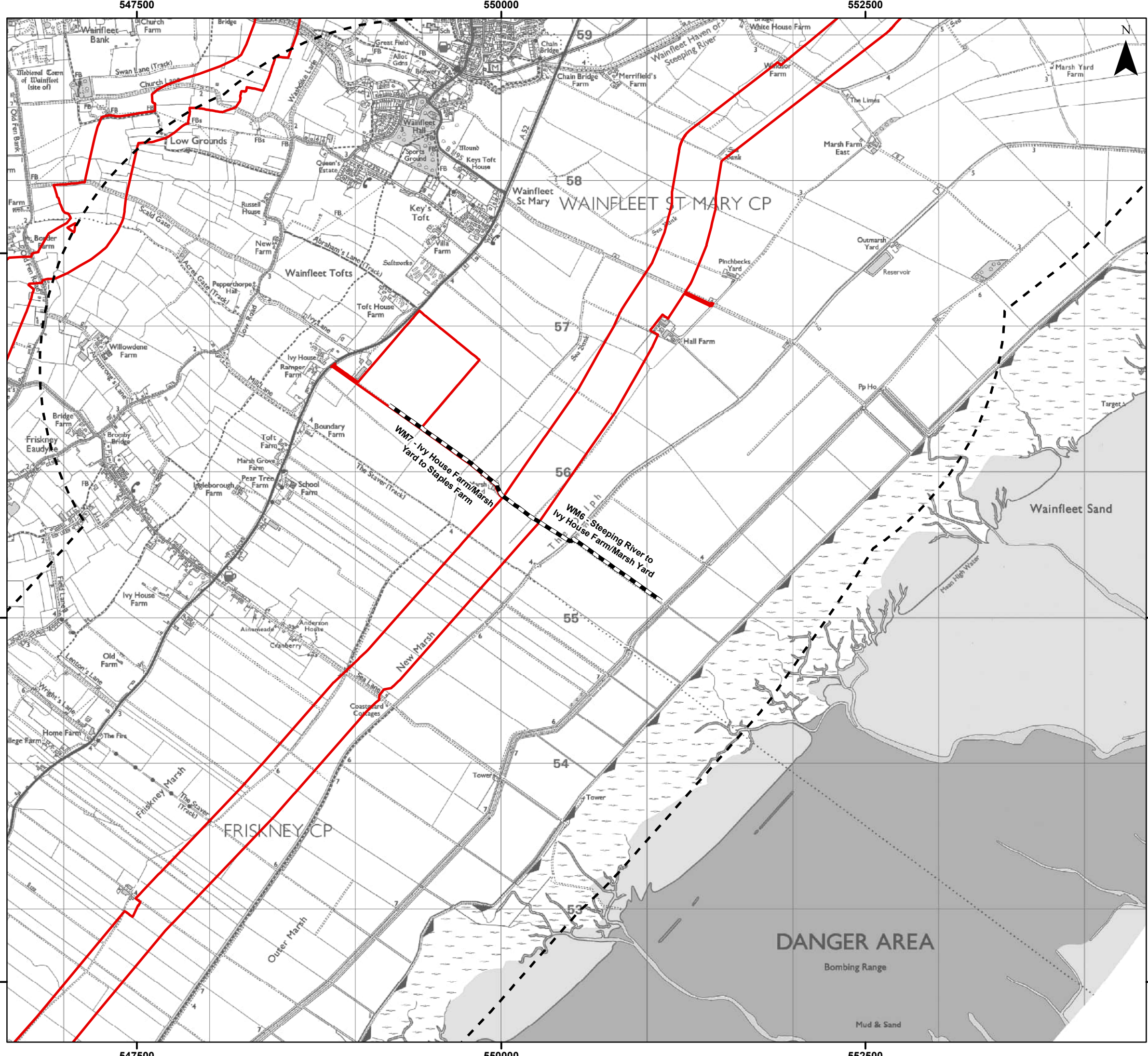
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Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Fish

Figure 21.21.3



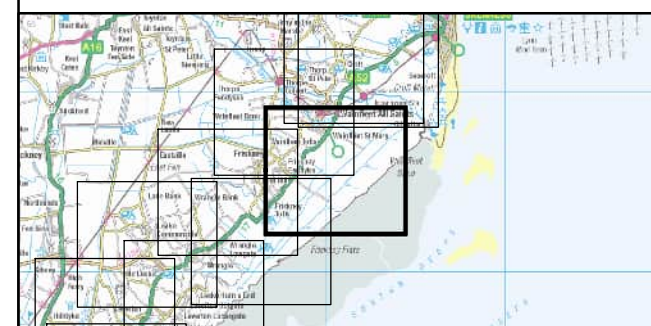
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.4

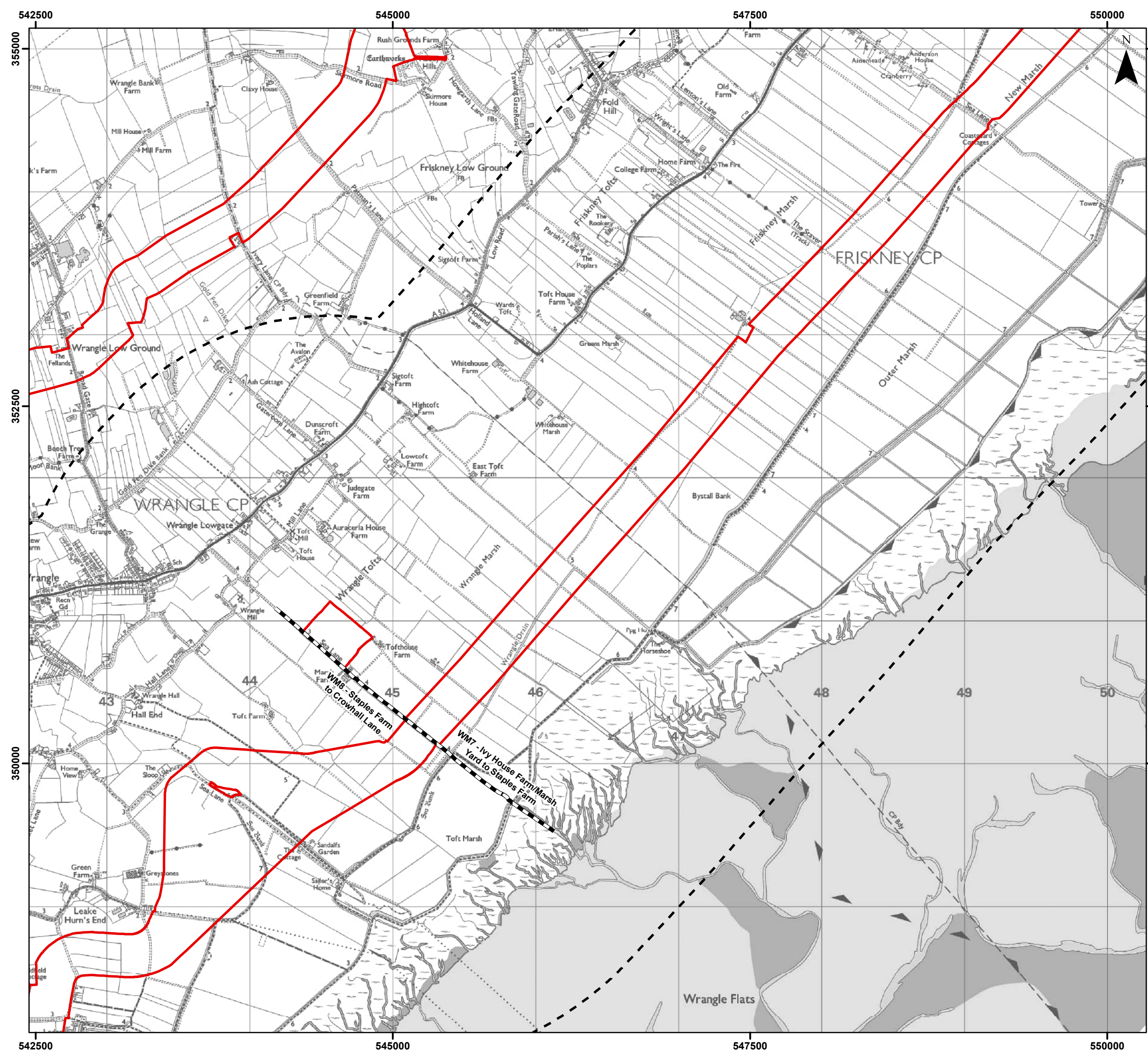


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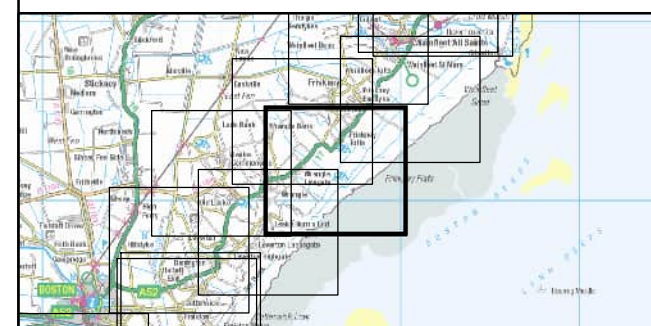
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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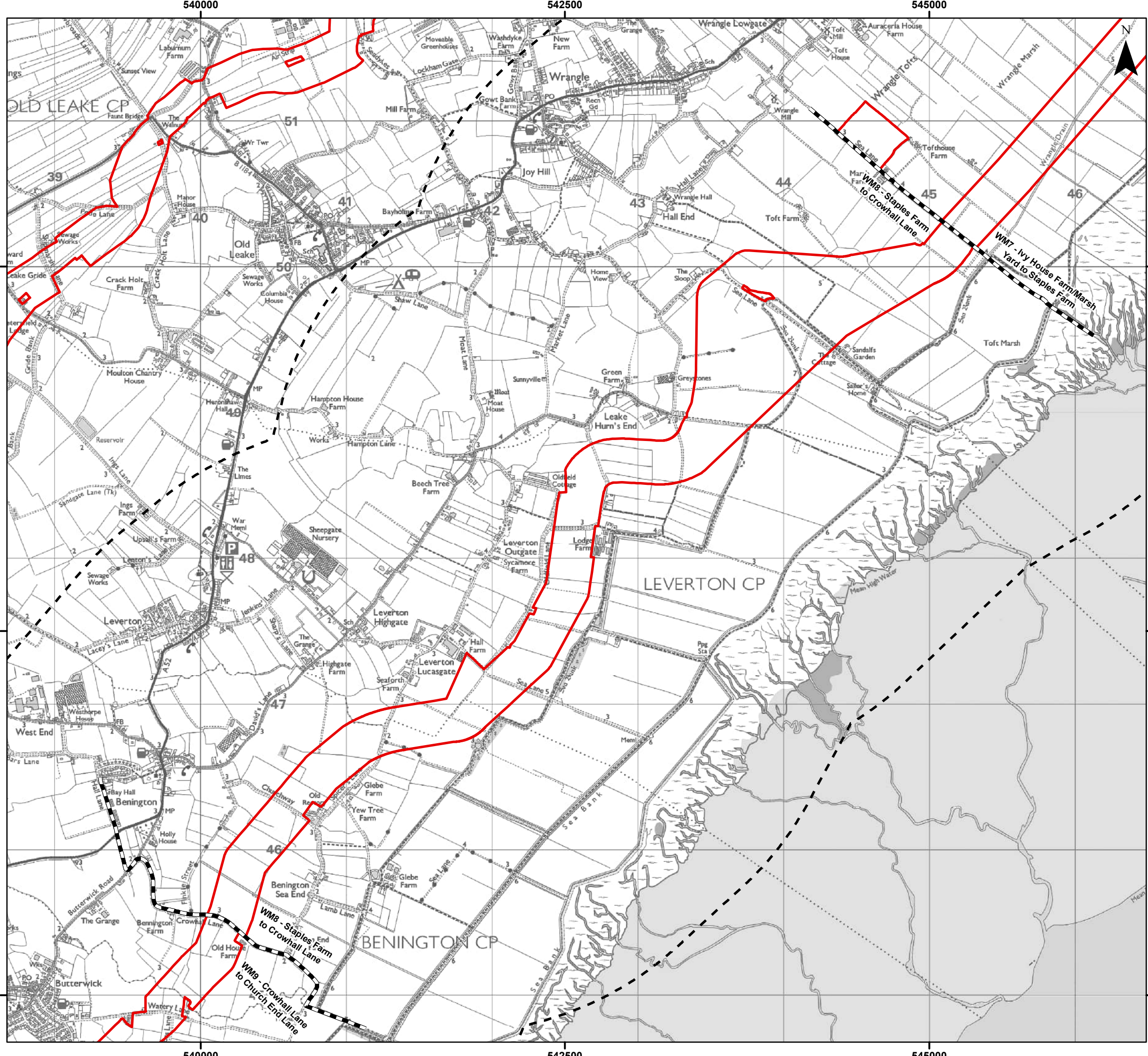
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Weston Marsh  
Protected and Notable Species Records Fish  
Figure 21.21.5



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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.6

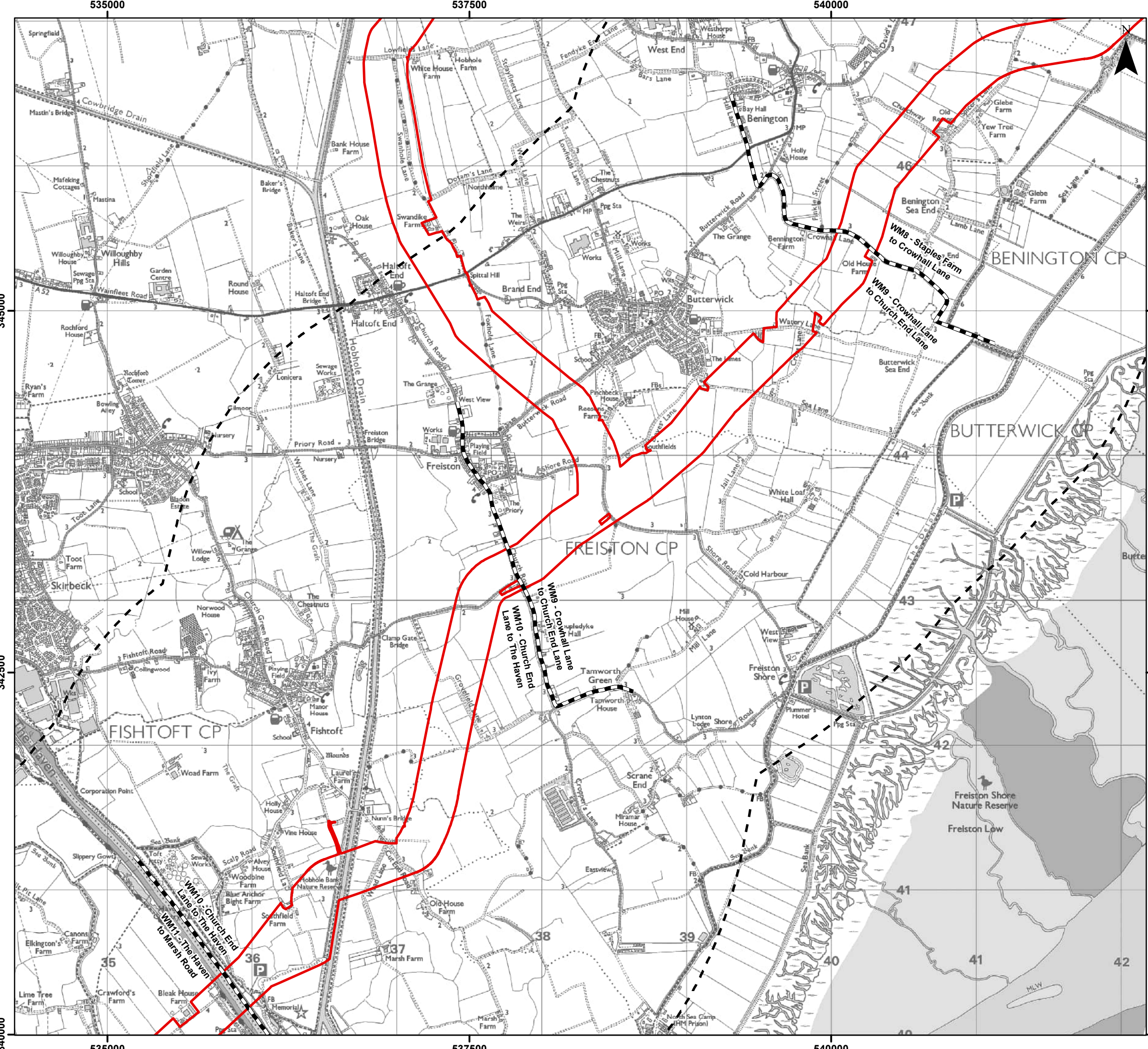


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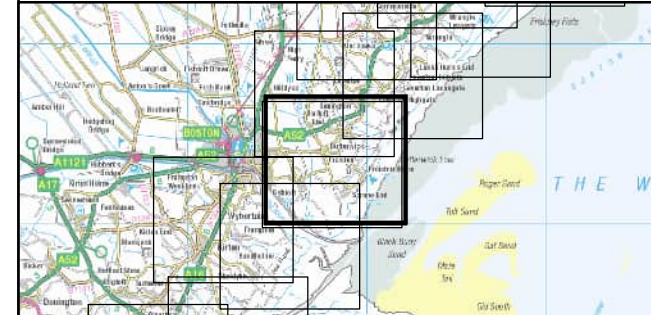
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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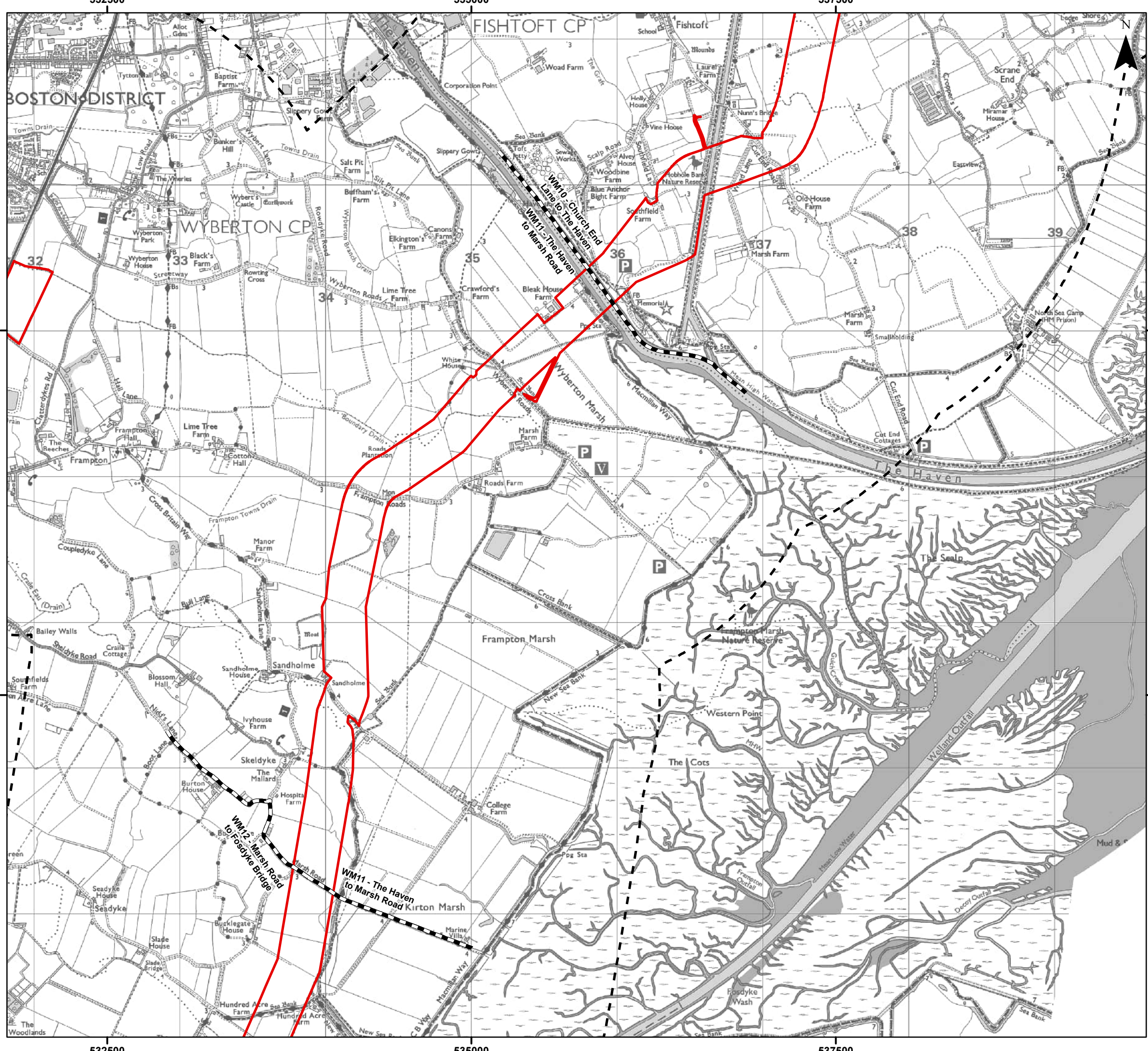
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 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.7



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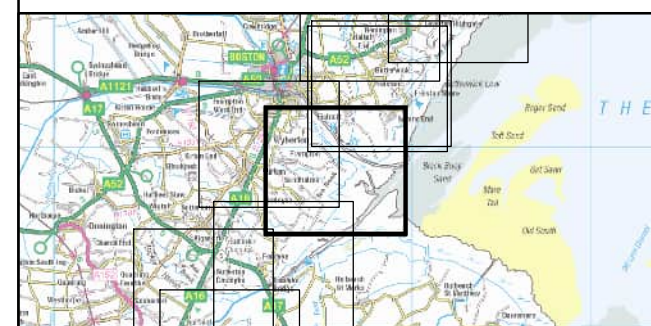
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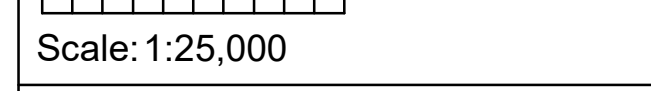
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



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Scale: 1:25,000

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Weston Marsh  
Protected and Notable Species Records Fish

Figure 21.21.8



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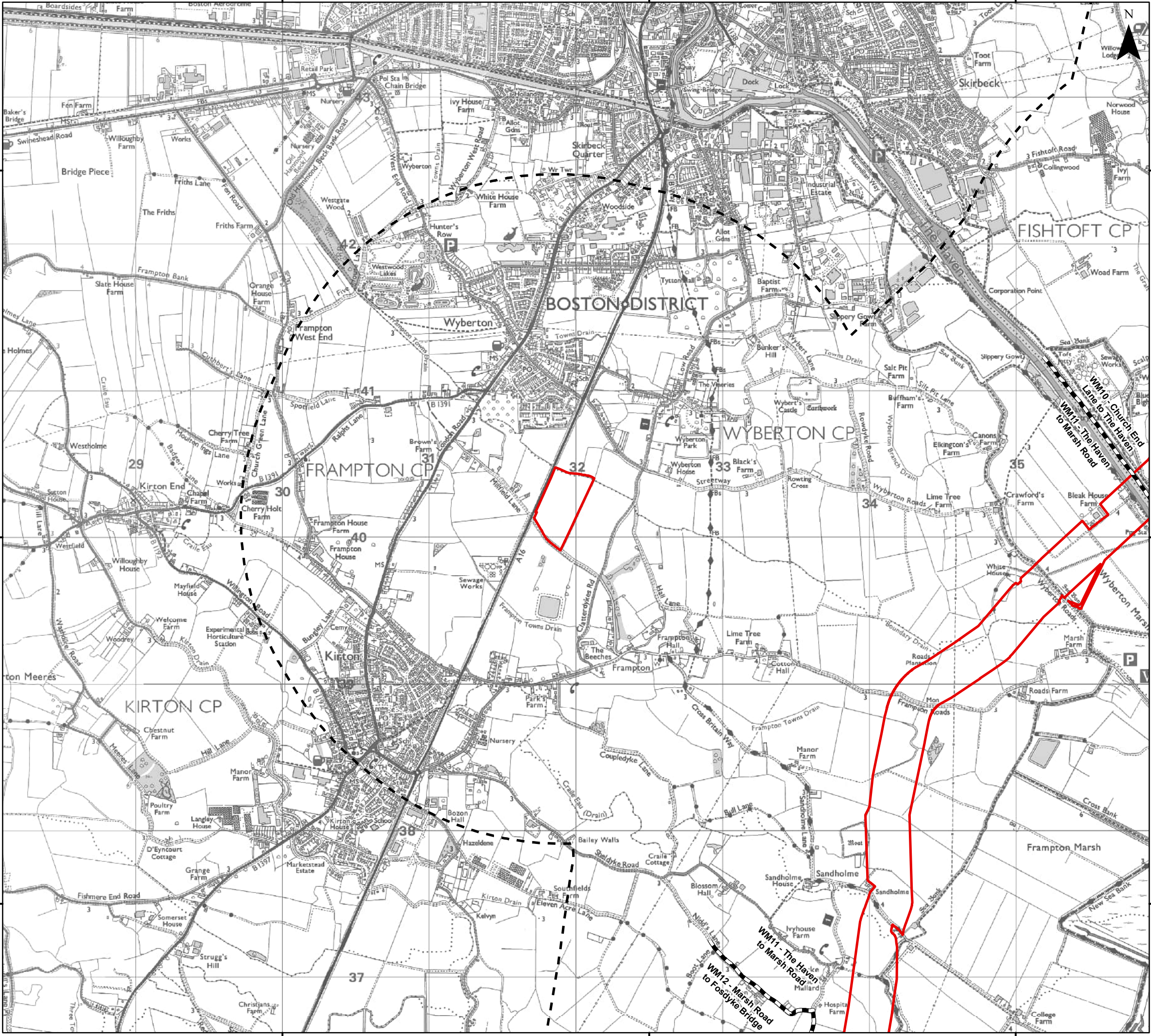
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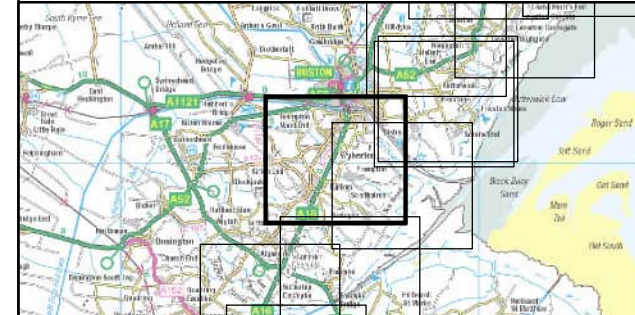
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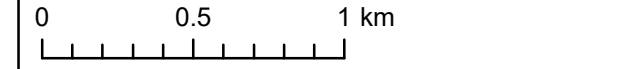
-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer



Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records Fish

Figure 21.21.9



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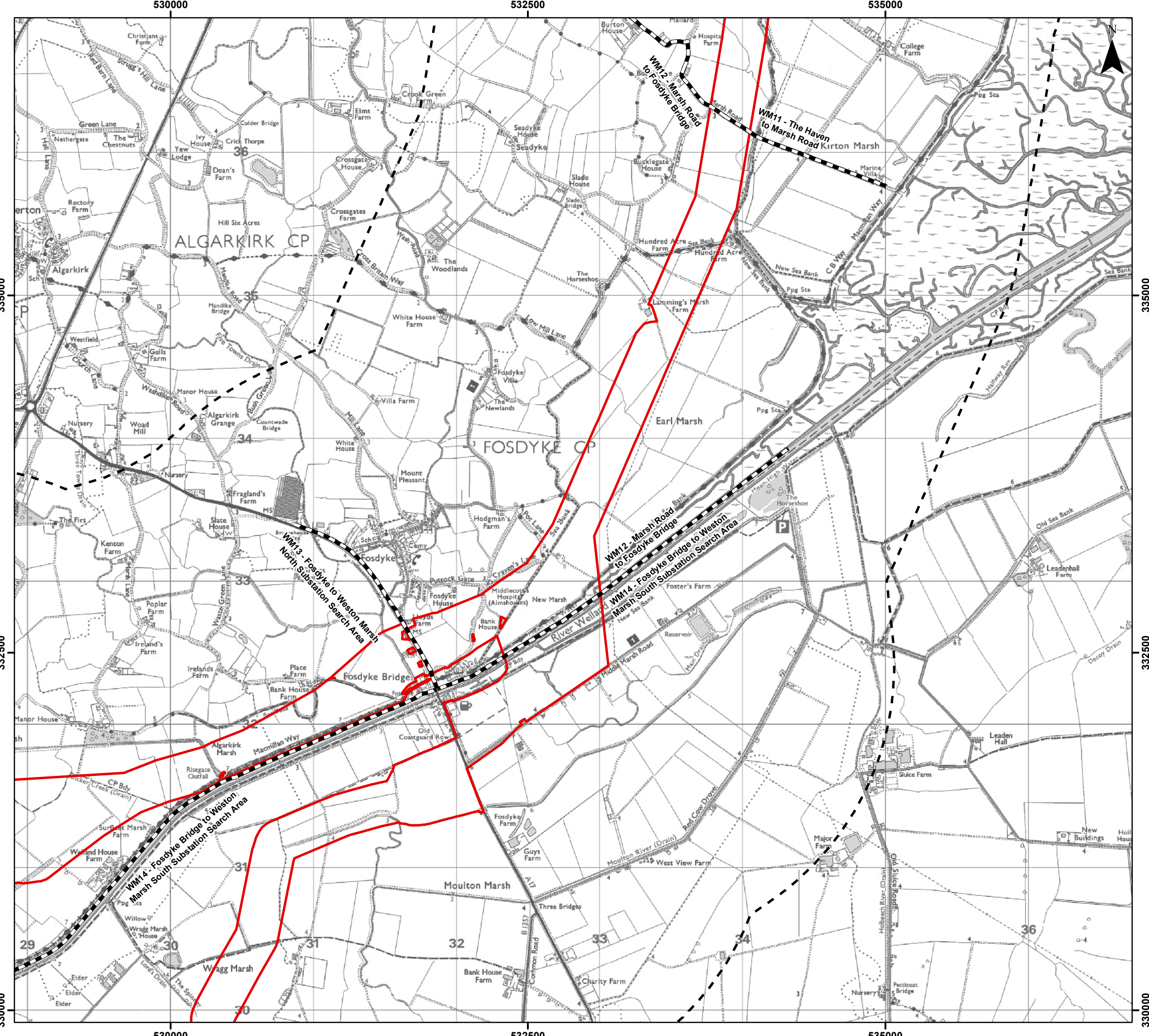
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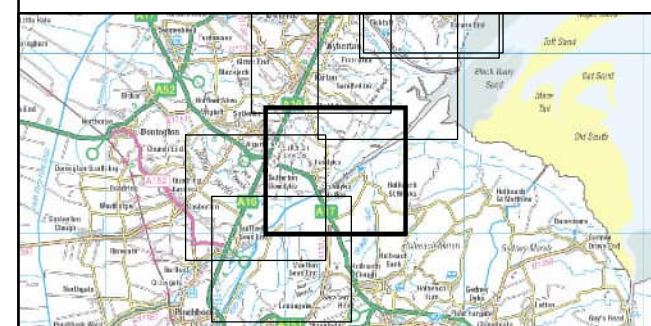
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.10

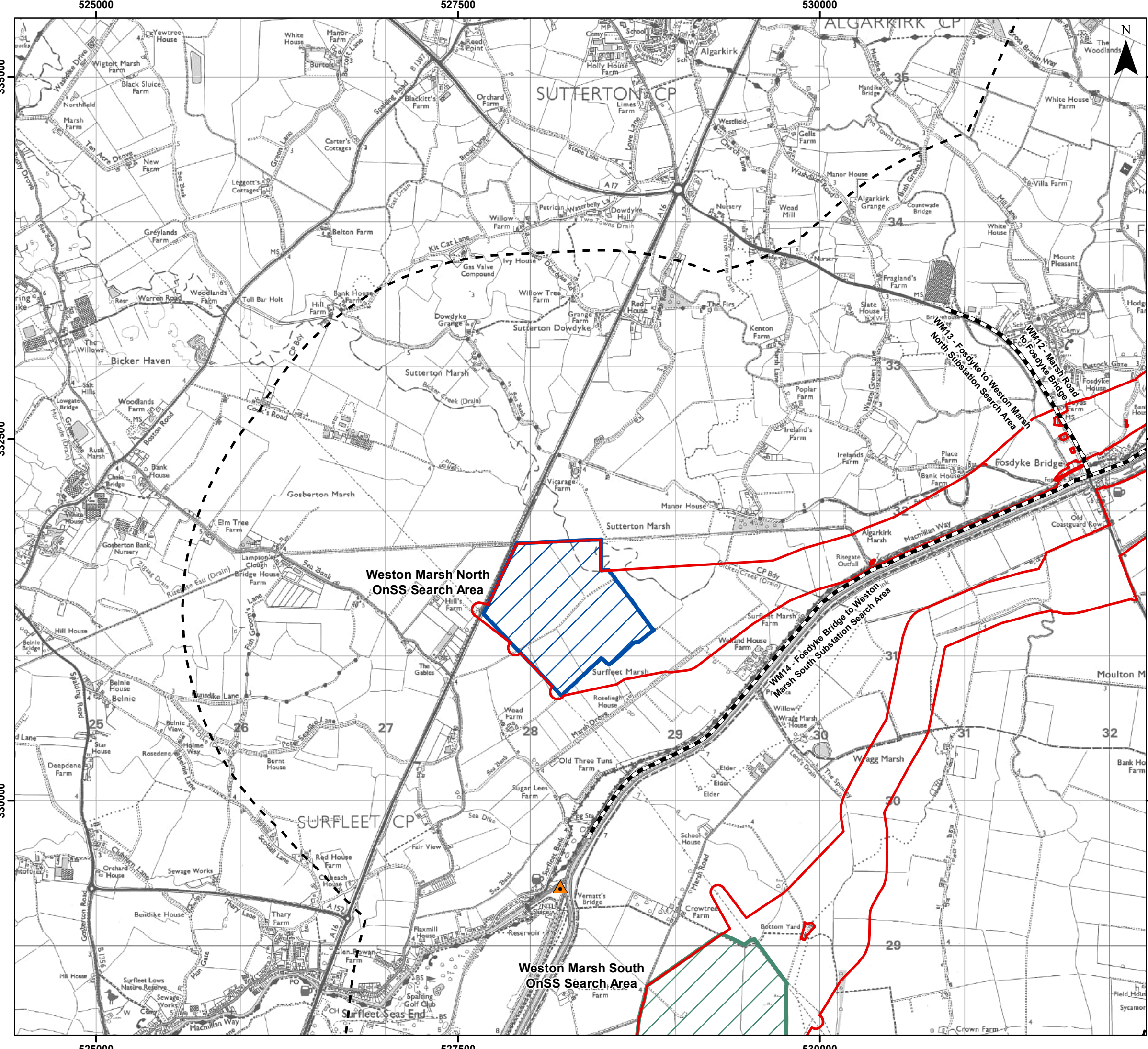


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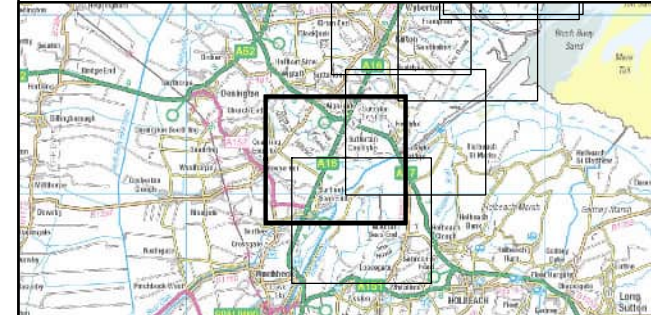
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Fish**

- ▲ River Lamprey

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)

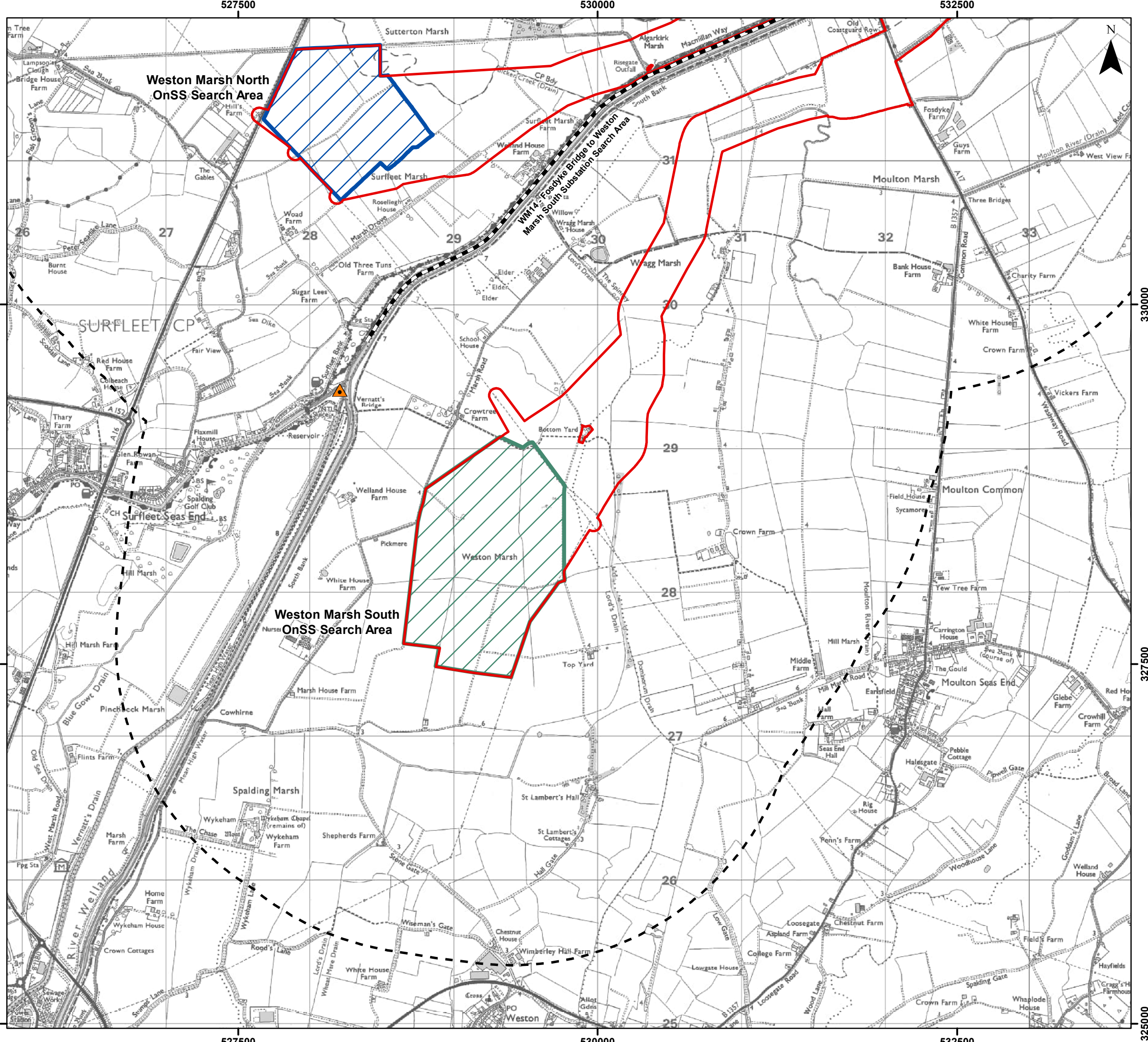


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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.11



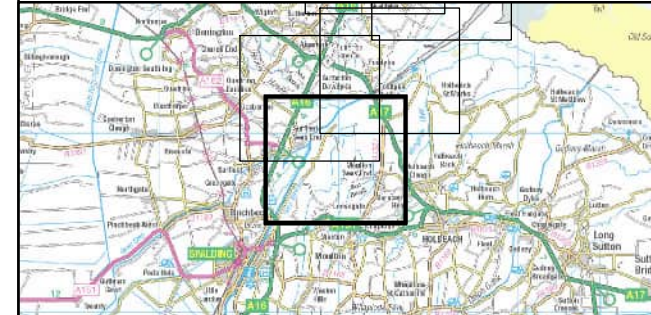
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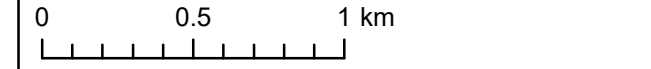
- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

- Local Records: Fish**
- ▲ River Lamprey

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Fish  
Figure 21.21.12

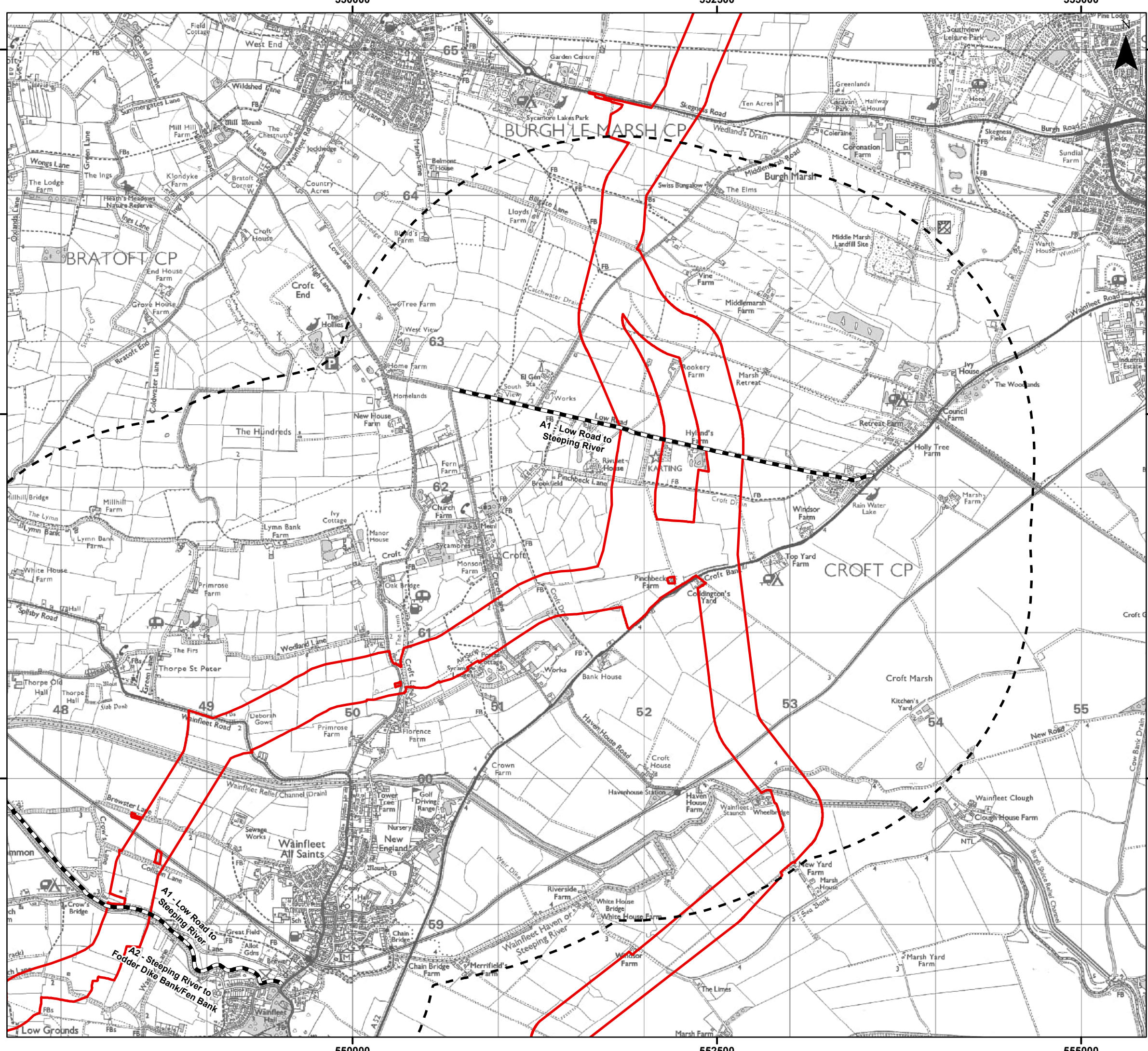


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.13



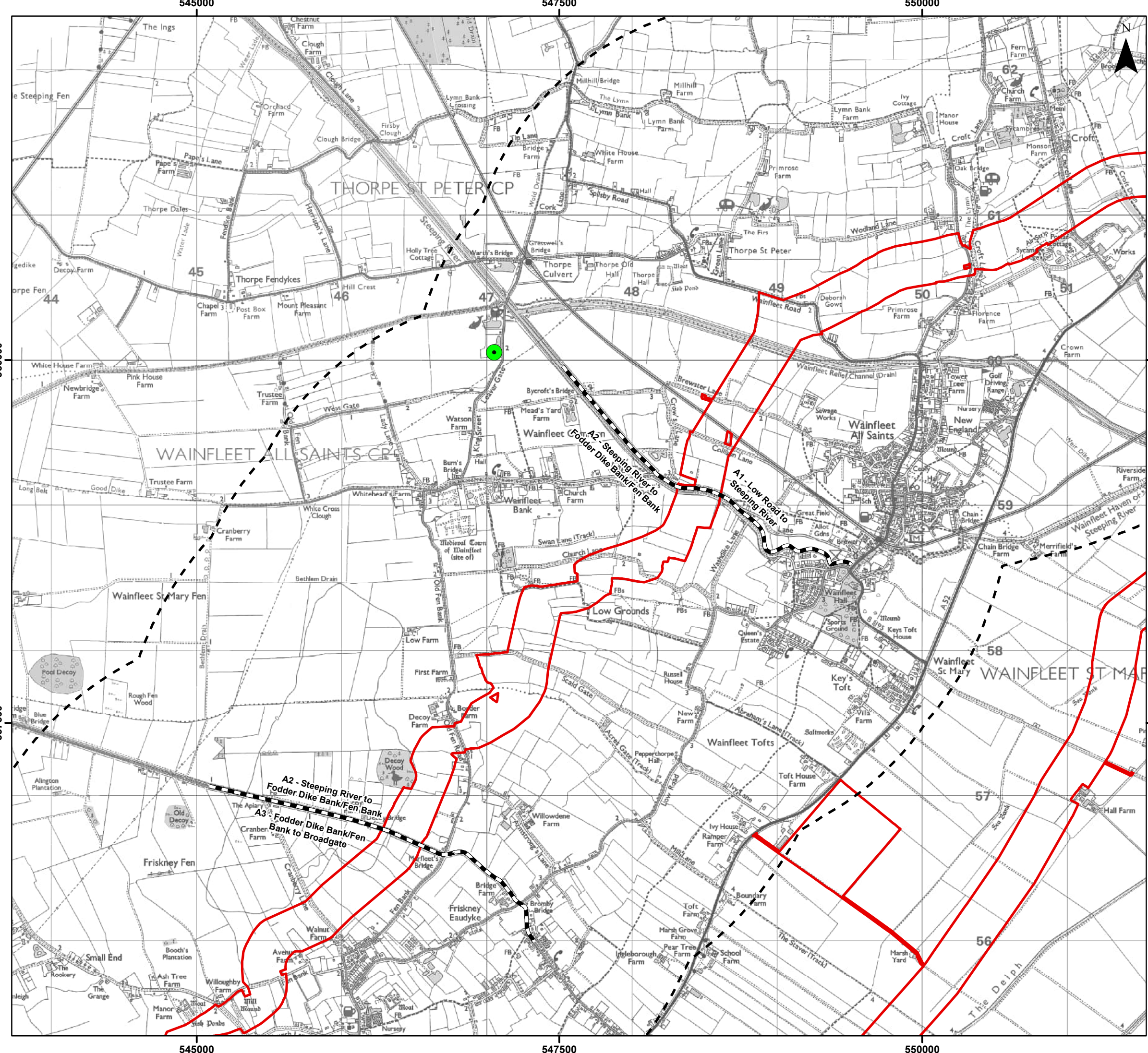
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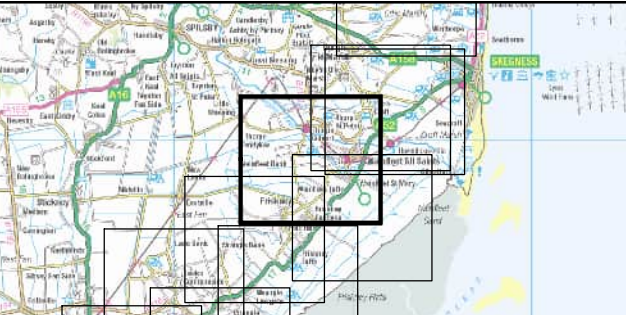




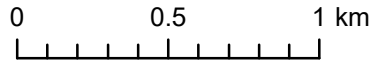
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Fish**
- Burbot

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records Fish

Figure 21.21.14



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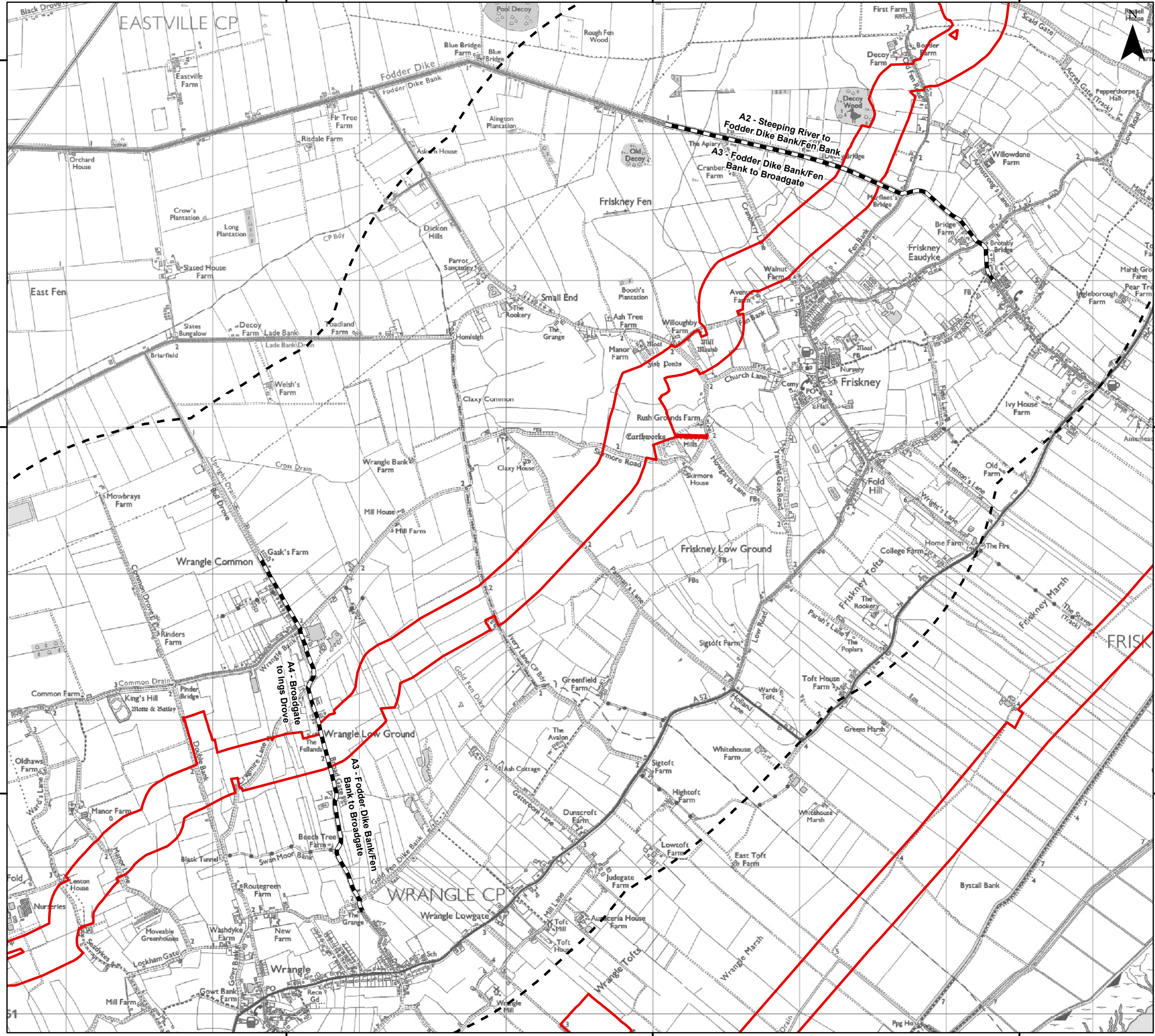
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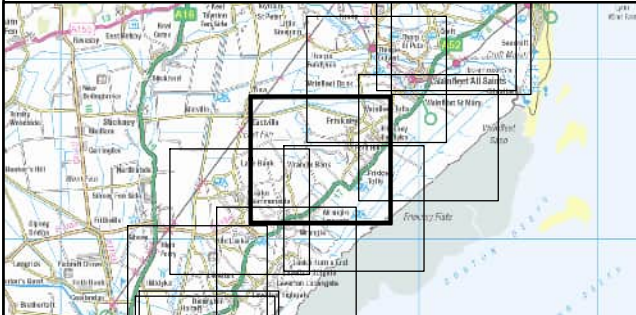
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Fish  
Figure 21.21.15

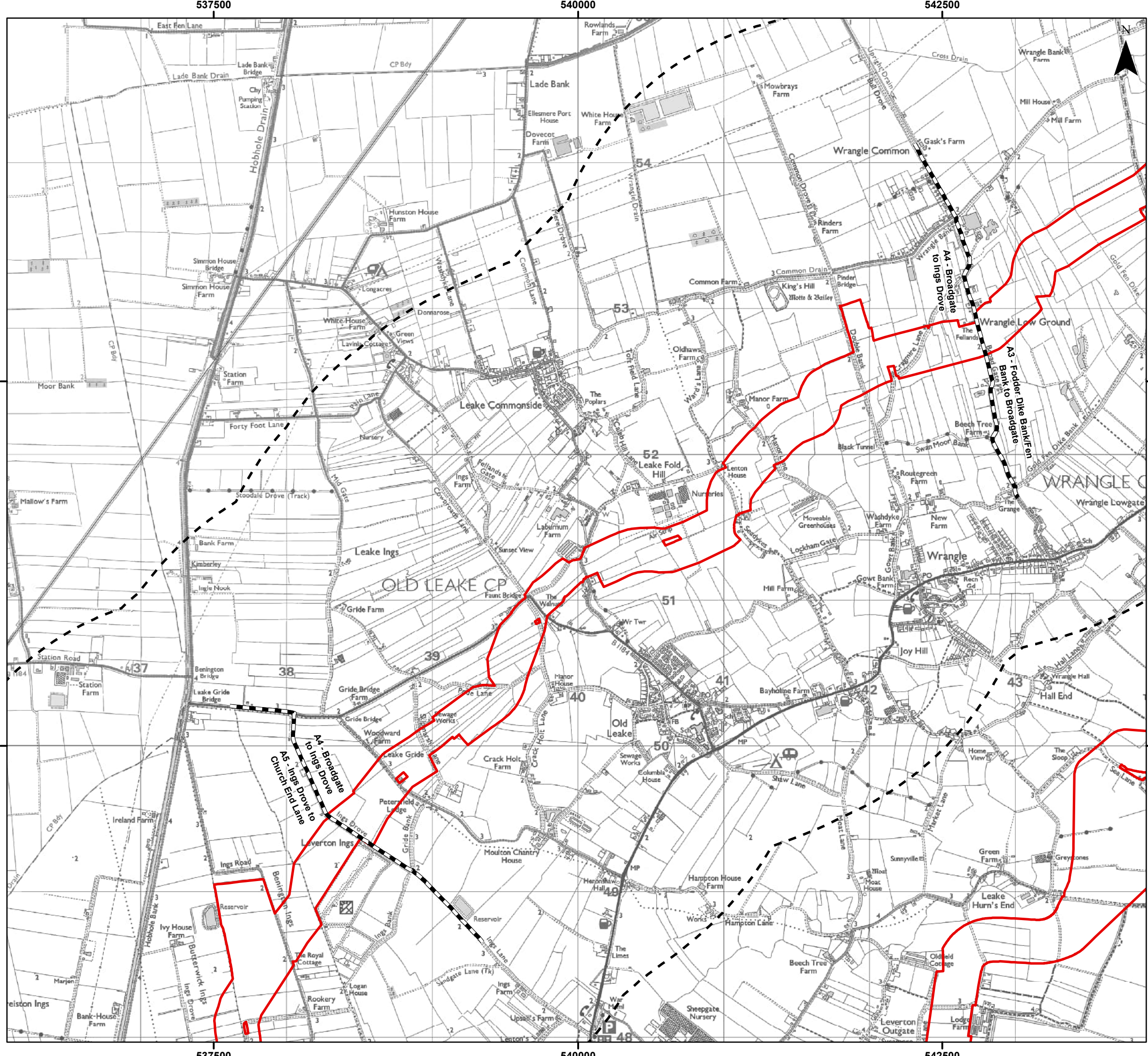


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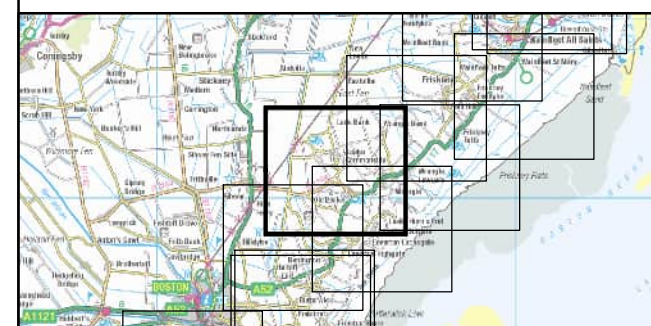
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.16

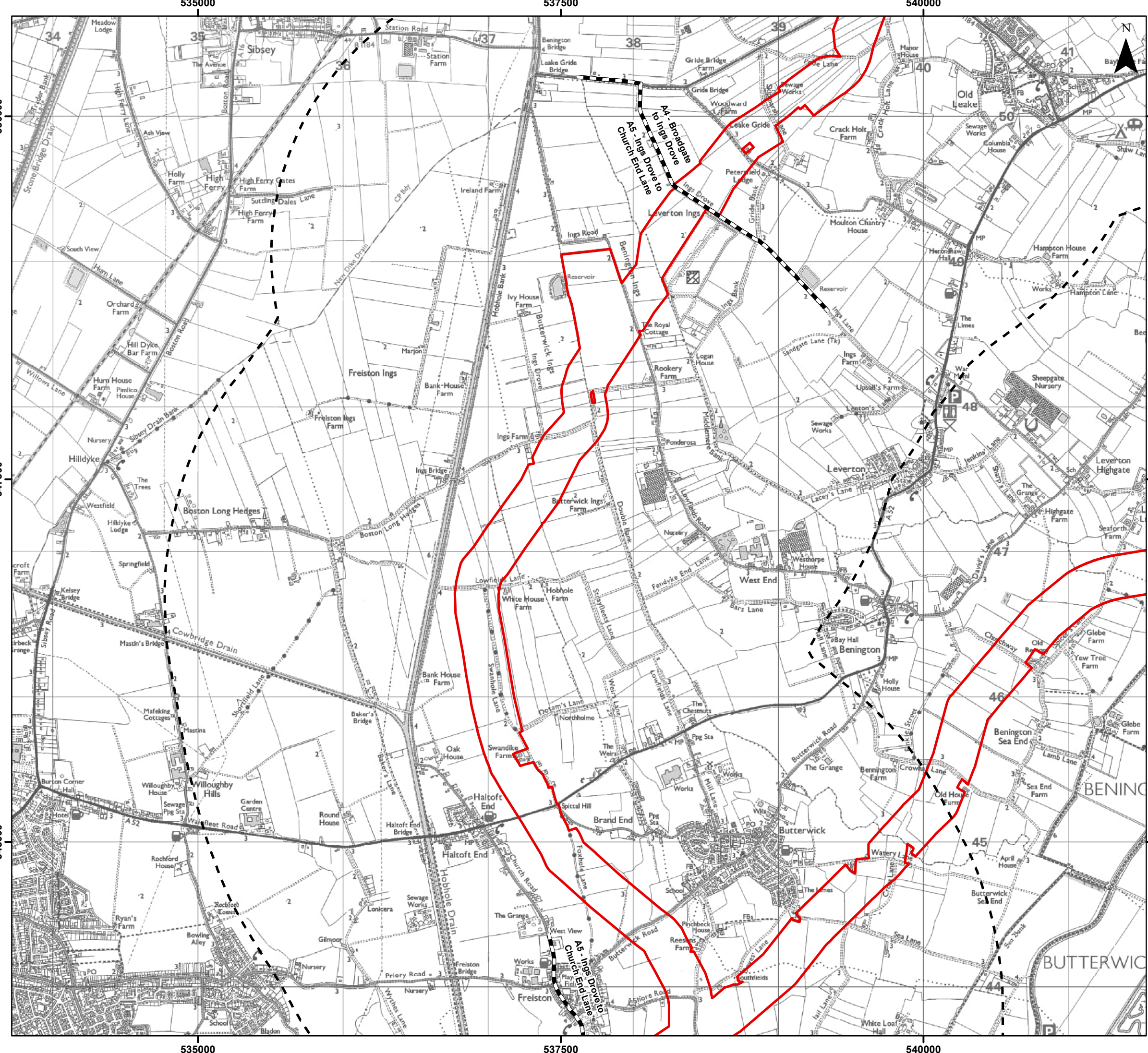


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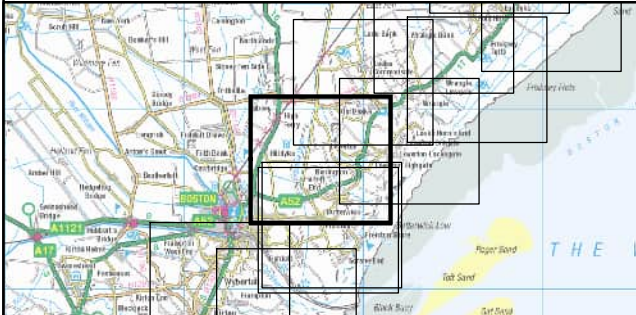
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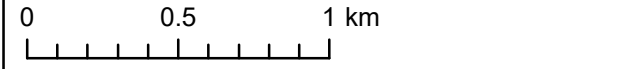
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

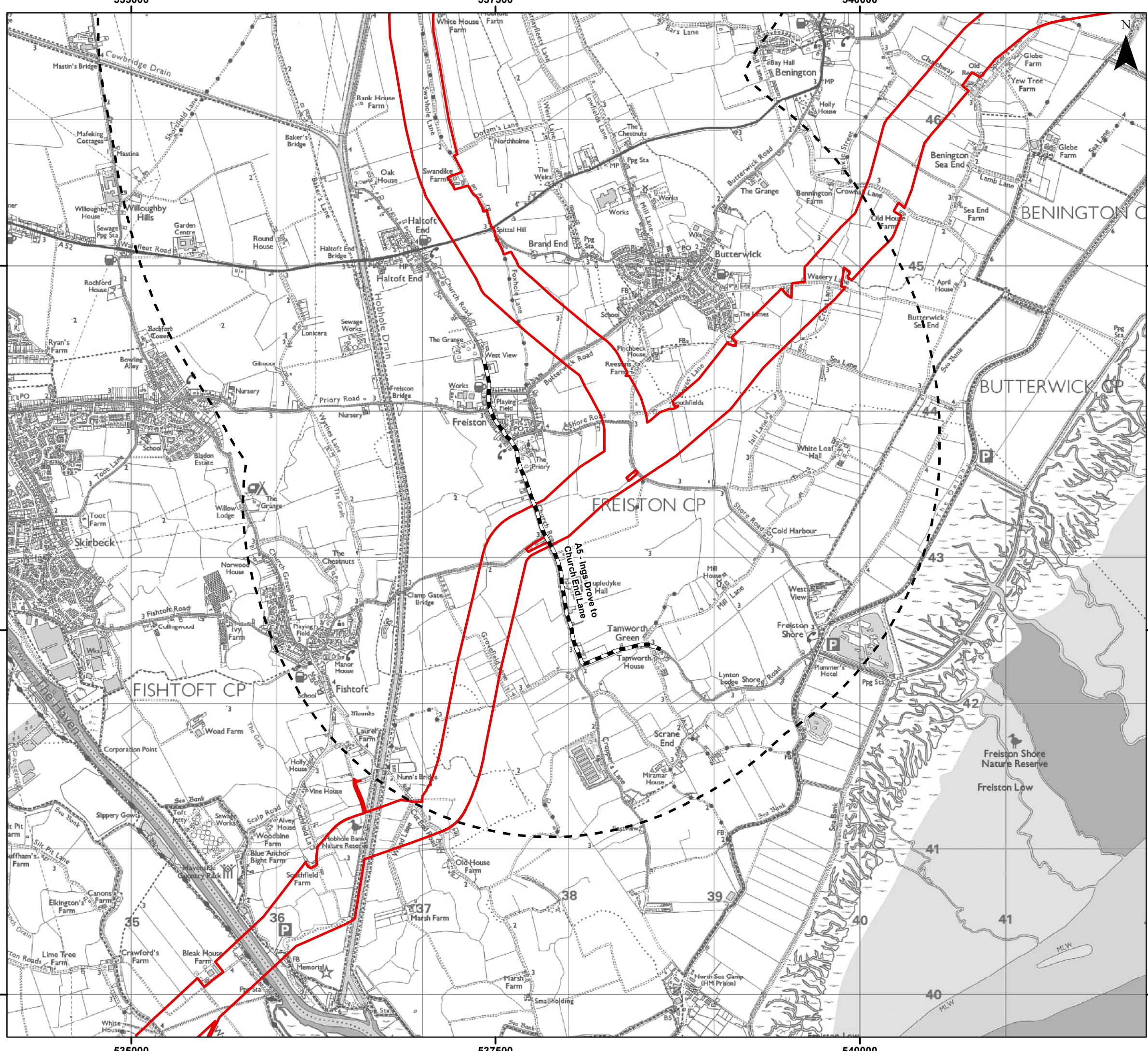
Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records Fish  
Figure 21.21.17



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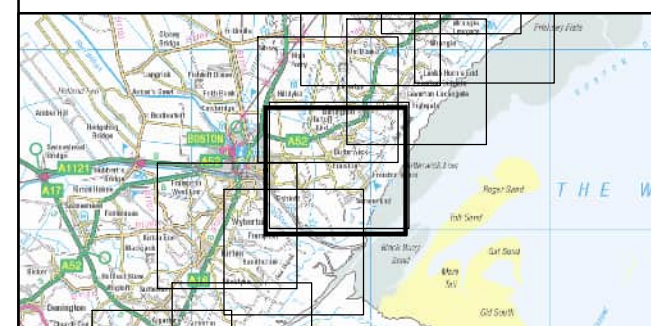


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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records Fish  
 Figure 21.21.18



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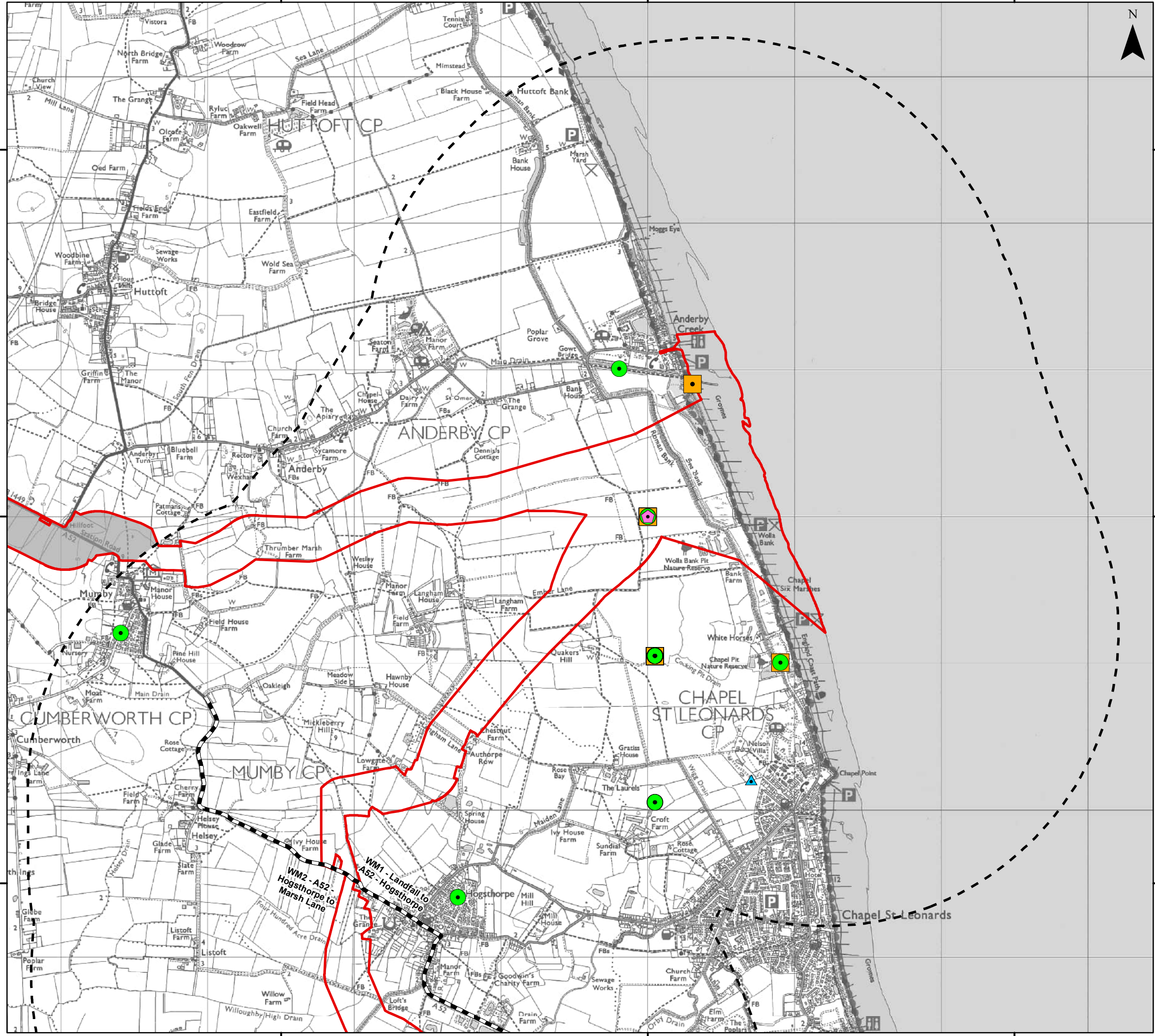
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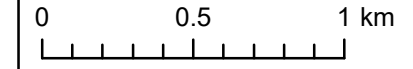
### Legend

-  Onshore PEIR
  -  Onshore Segment Break
  -  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records:**
-  Great Crested Newt
  -  Smooth Newt
  -  Common Frog
  -  Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.1



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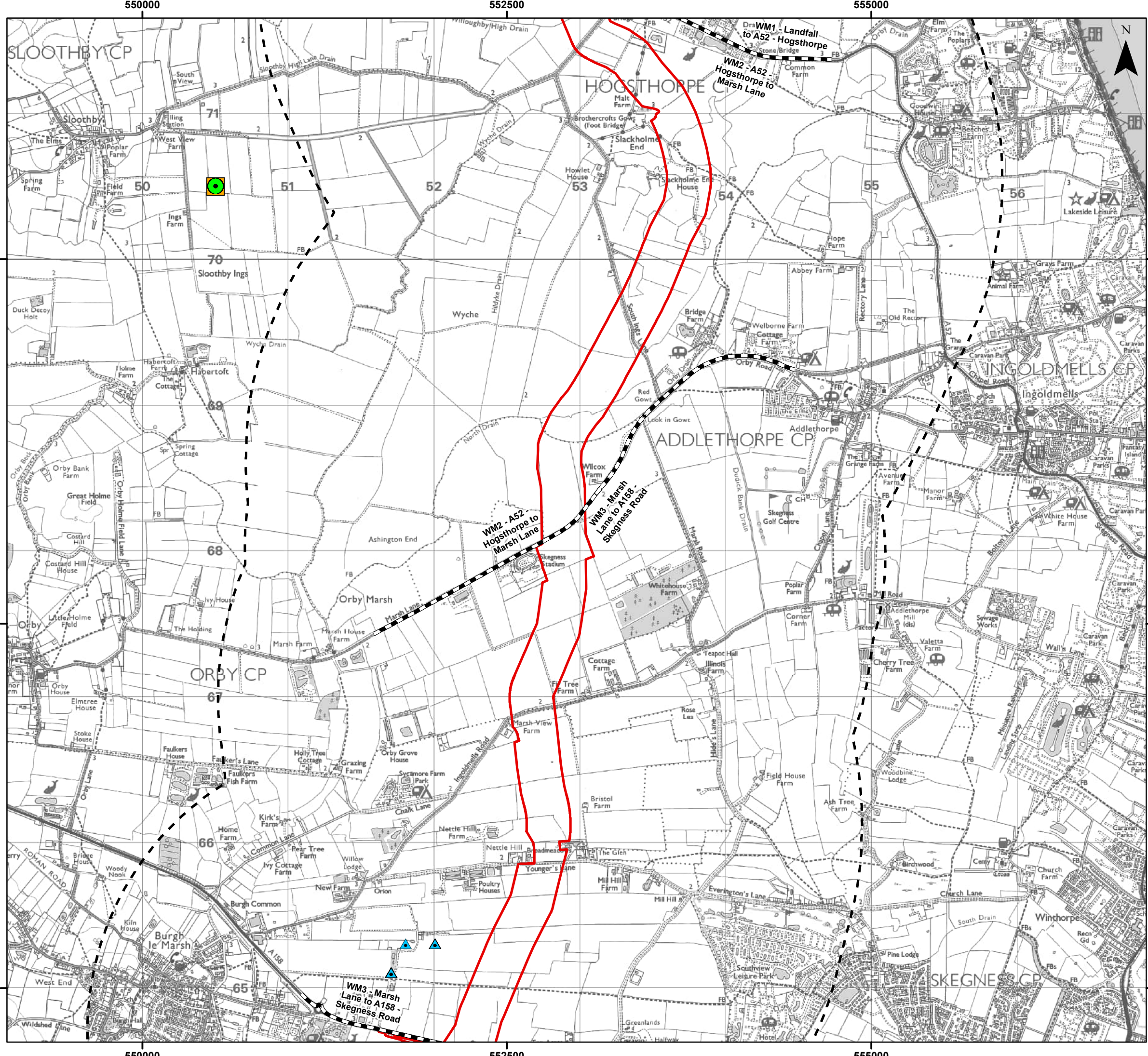
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

#### Local Records: Amphibians

- ▲ Great Crested Newt
- Common Frog
- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.2

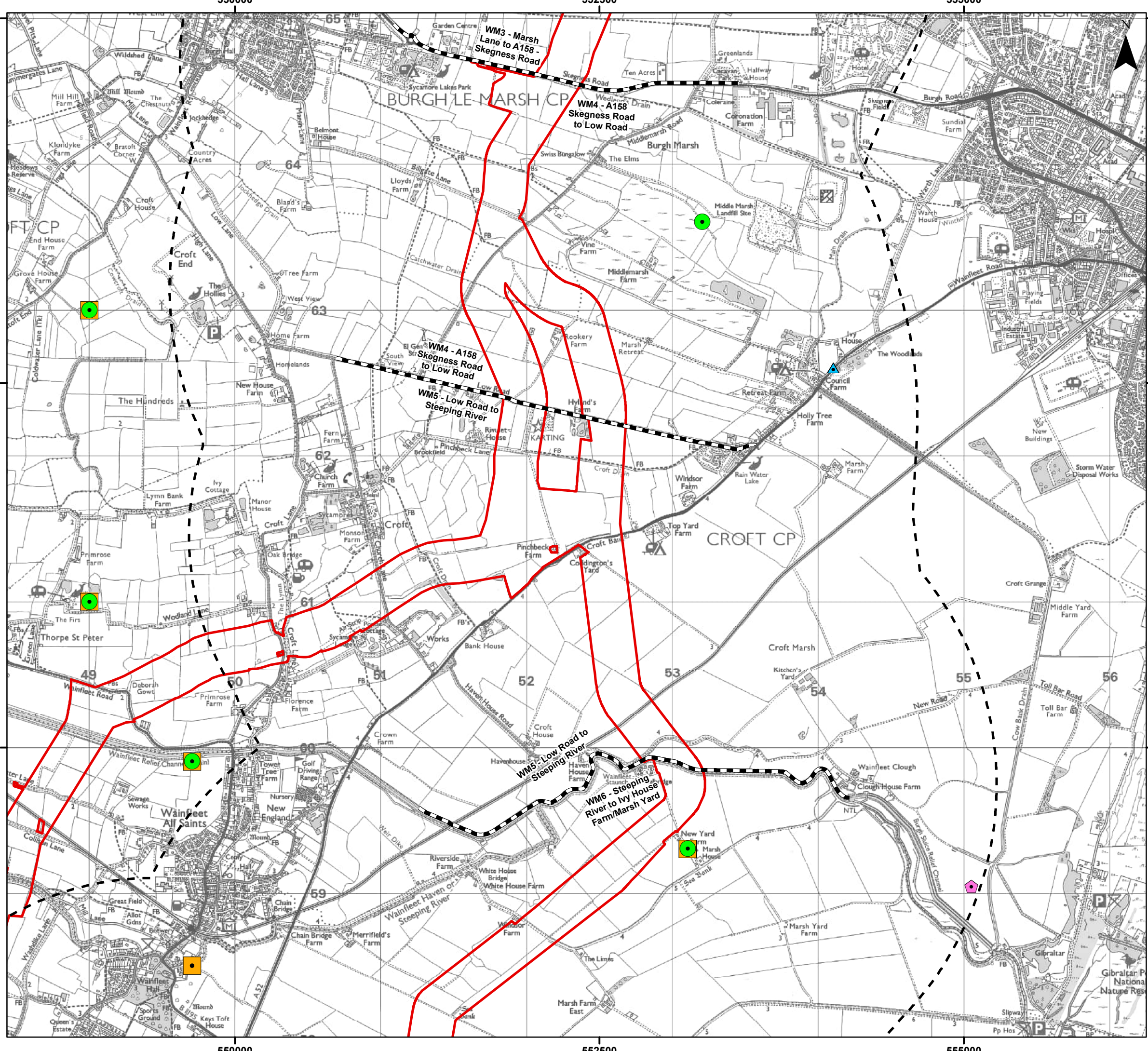


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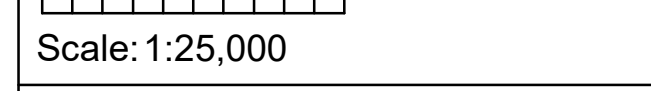


- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- #### Local Records: Amphibians
- ▲ Great Crested Newt
  - ◆ Smooth Newt
  - Common Frog
  - Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.3



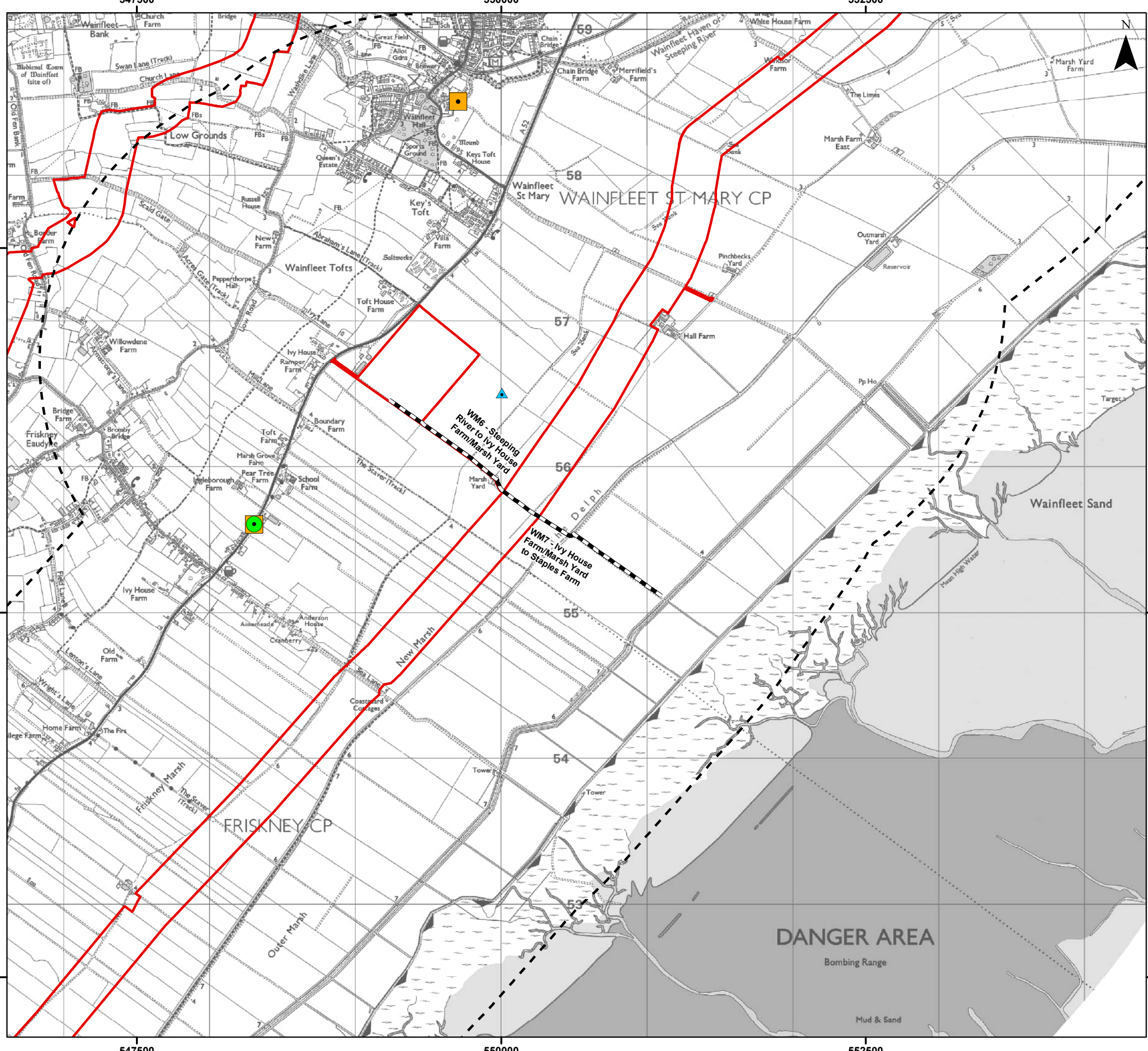
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Amphibians**
- ▲ Great Crested Newt
- Common Frog
- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.4

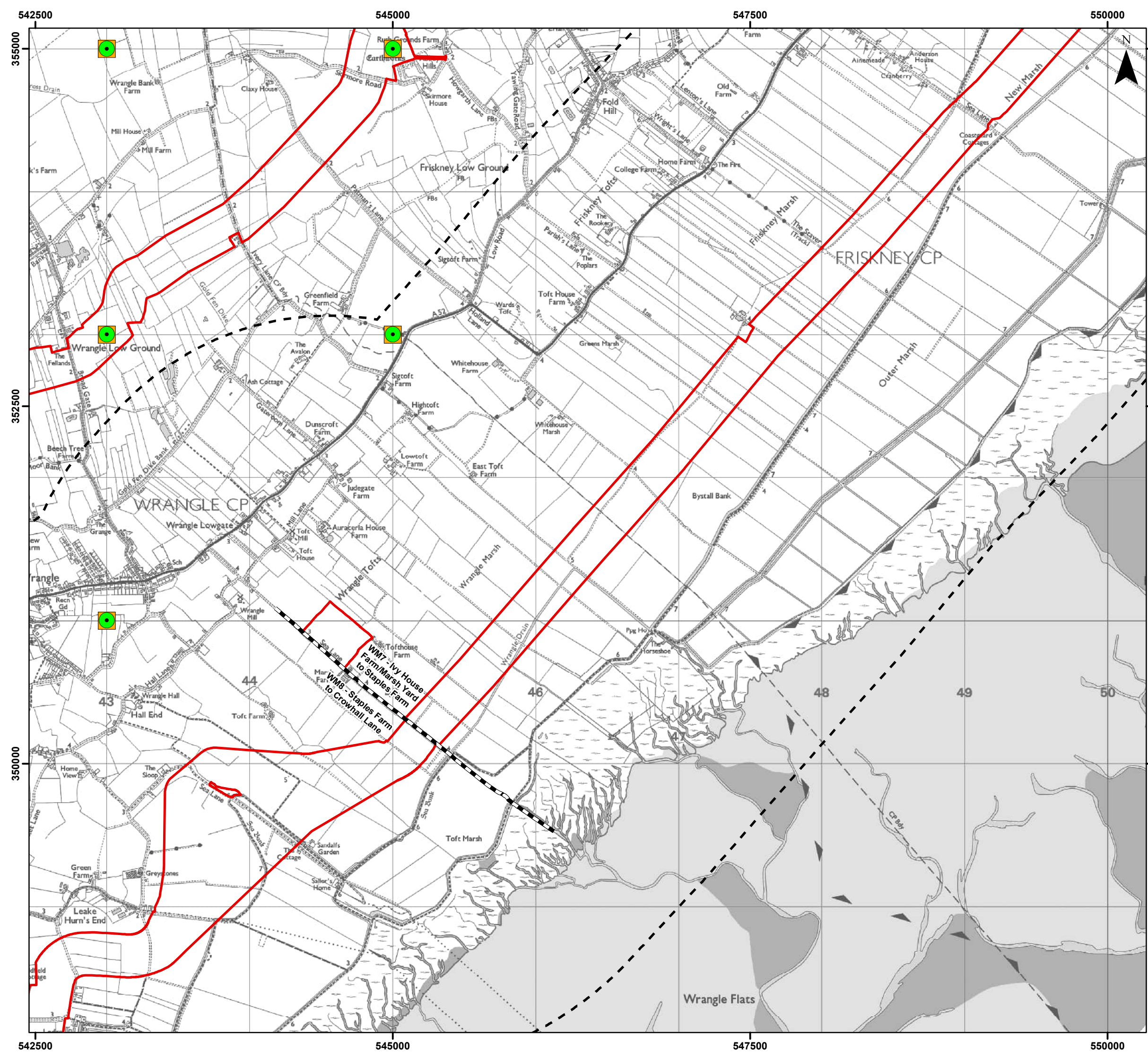


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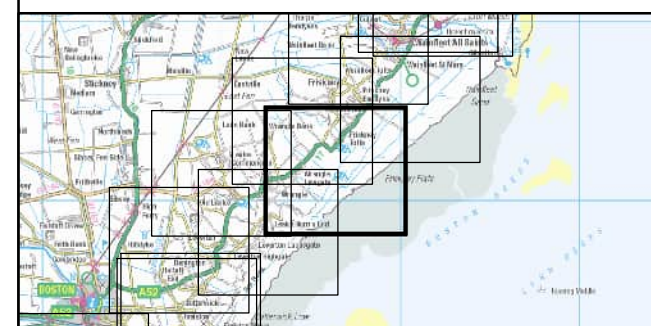
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Amphibians**

- Common Frog
- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.5

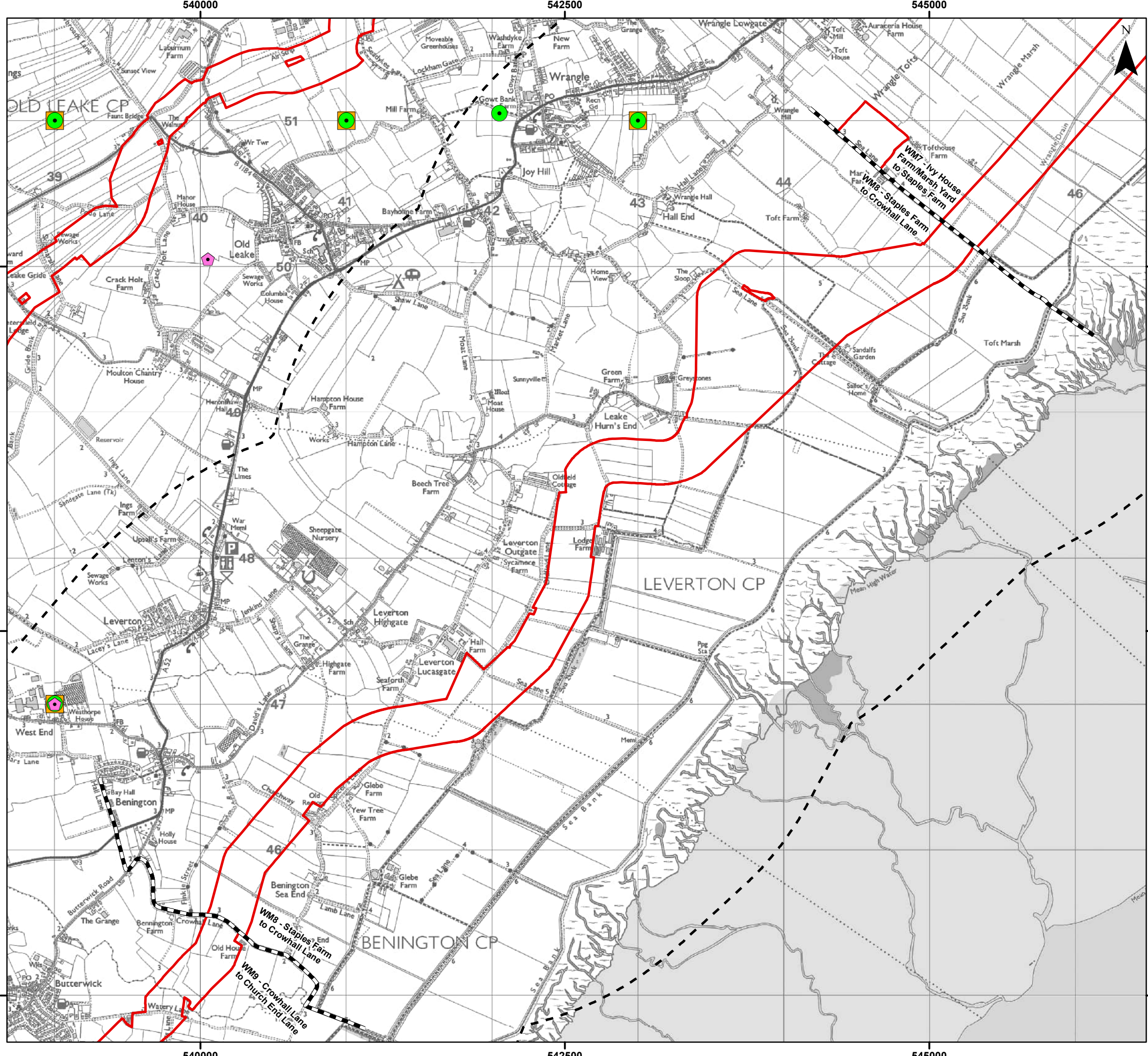


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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- #### Local Records: Amphibians
- ◆ Smooth Newt
  - Common Frog
  - Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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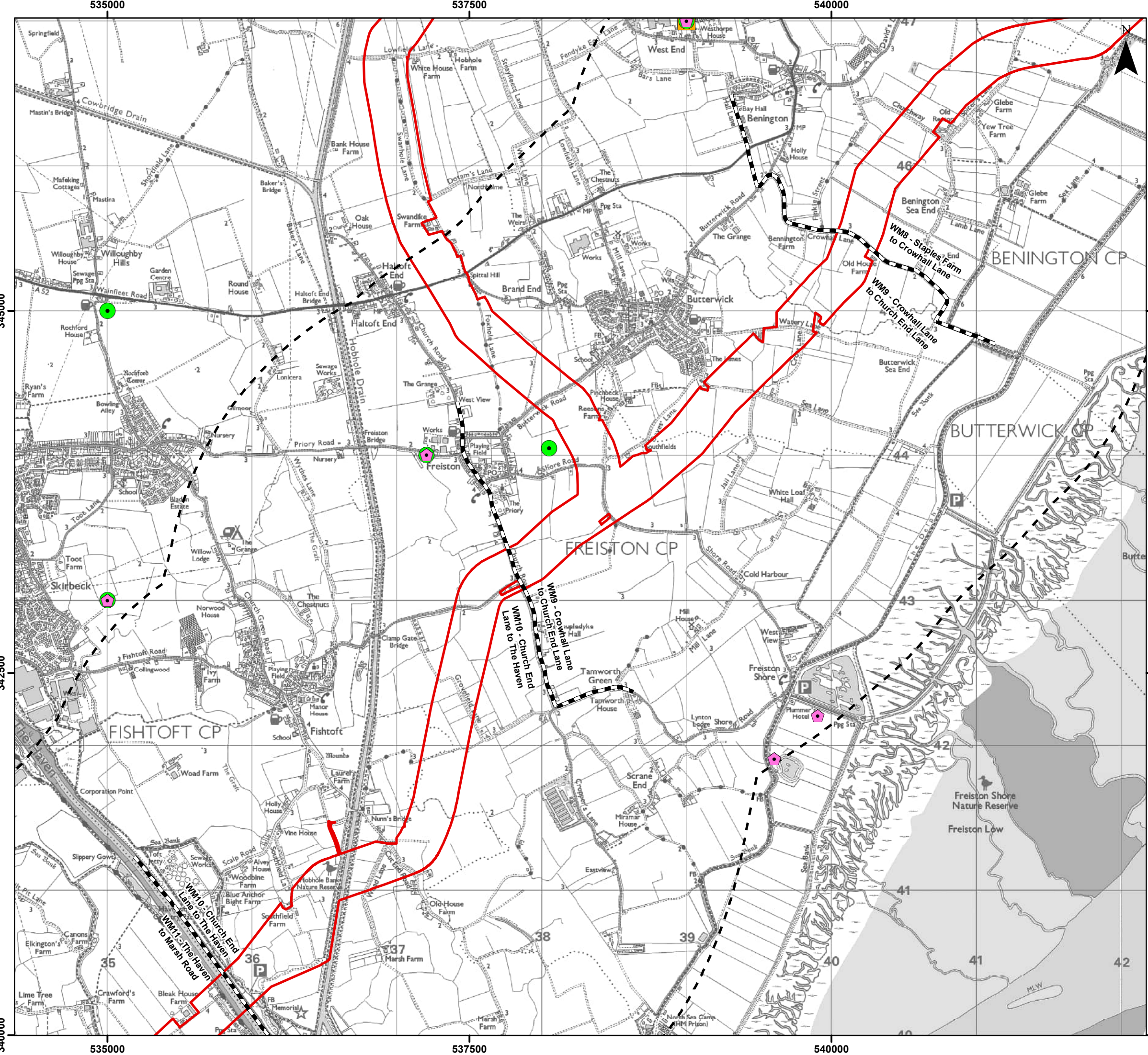
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.6



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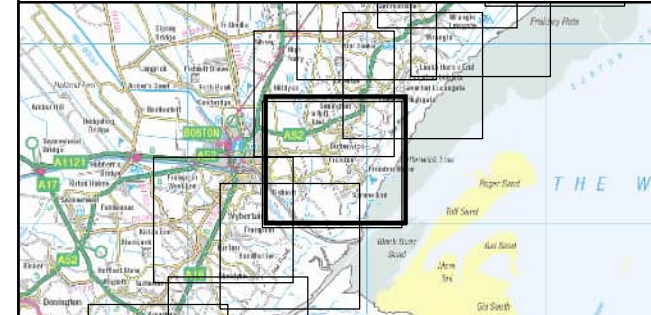
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Amphibians**
- ◆ Smooth Newt
  - Common Frog
  - Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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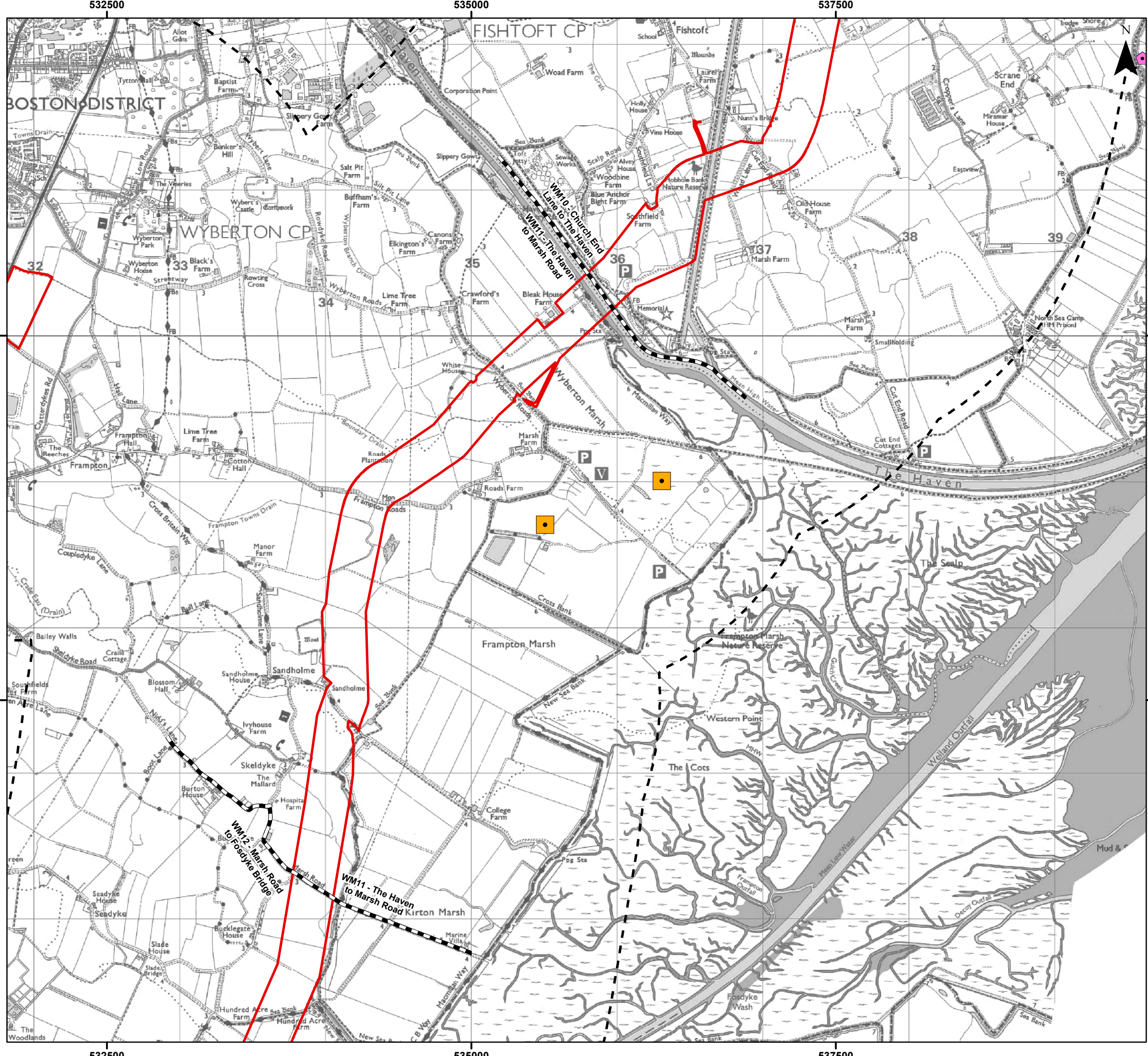
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.7



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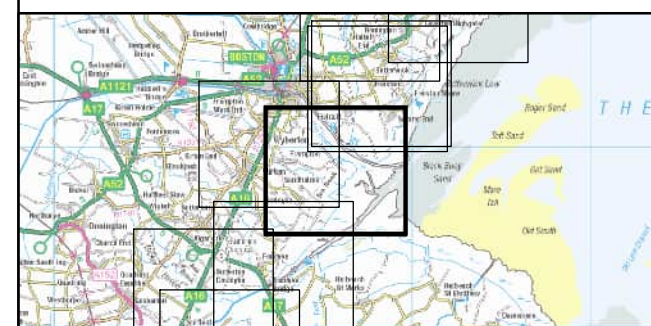
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Amphibians**
- ◆ Smooth Newt
- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.8



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



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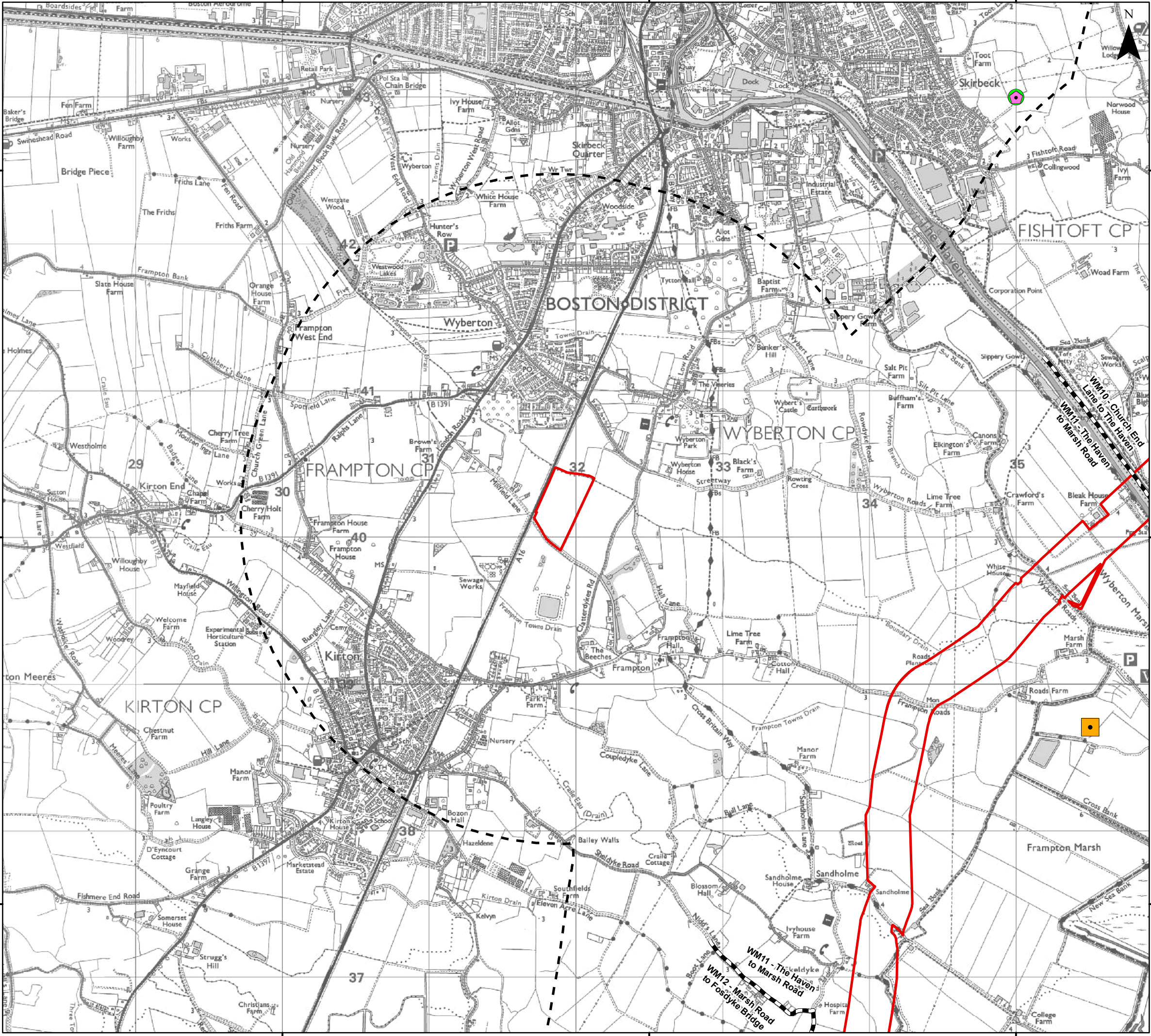
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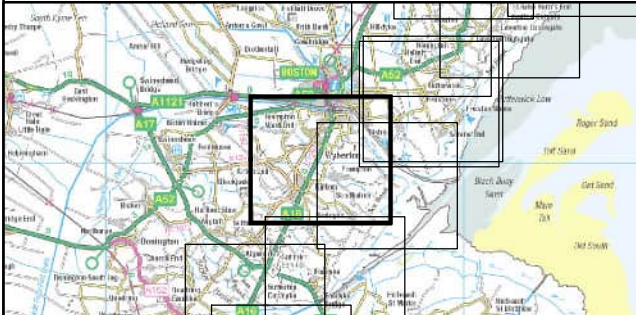
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### Legend

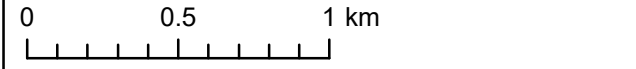
-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Amphibians**
-  Smooth Newt
-  Common Frog
-  Common Toad



Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.9



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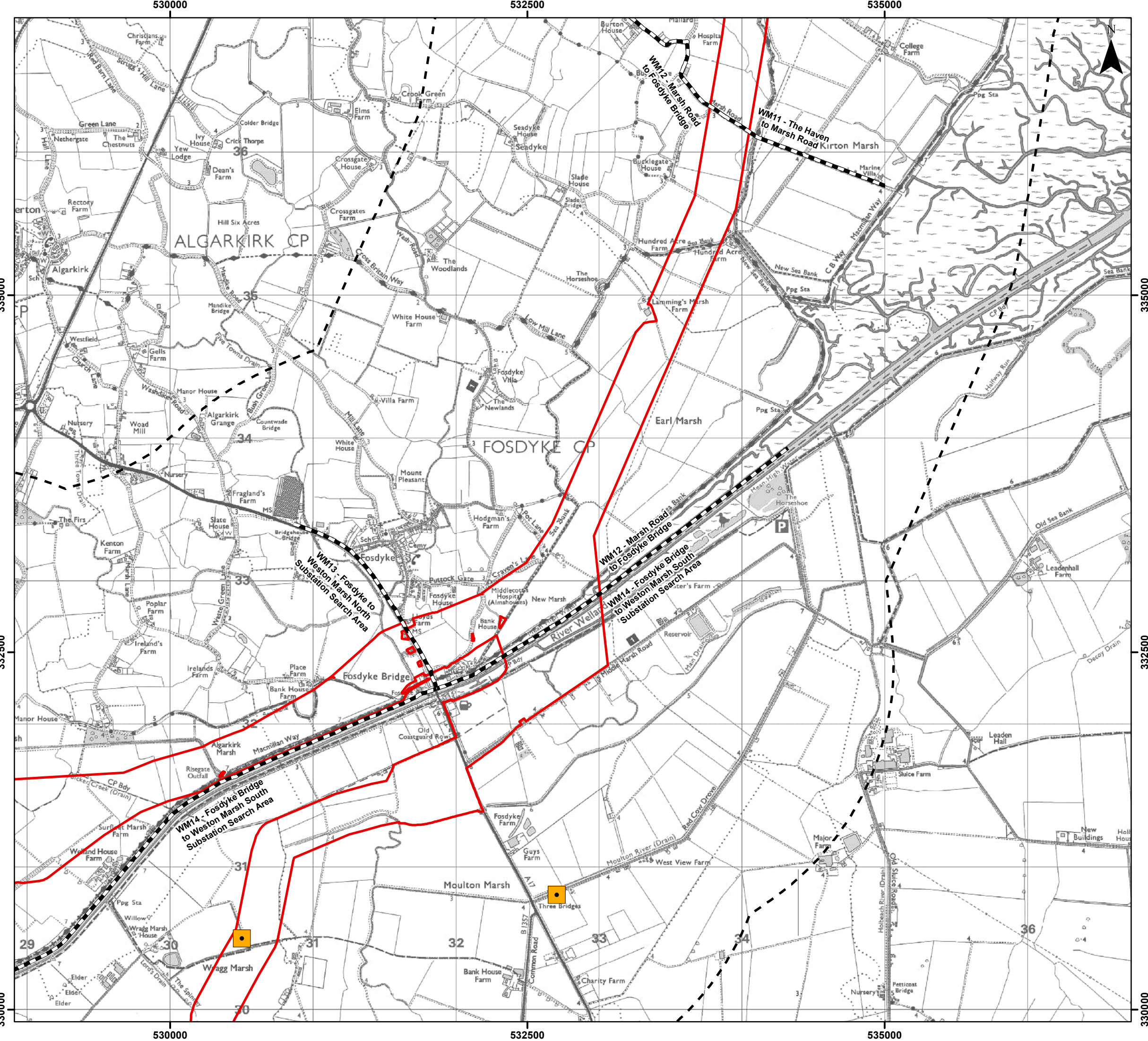
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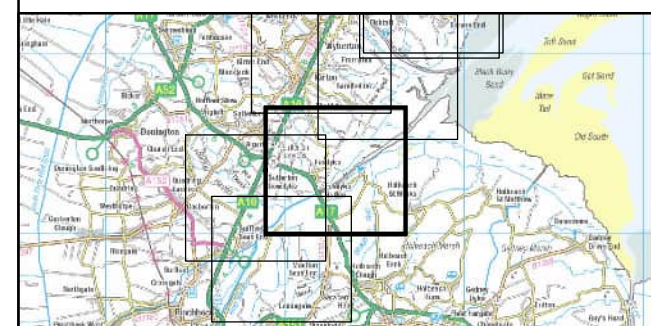
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Amphibians**

- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.10

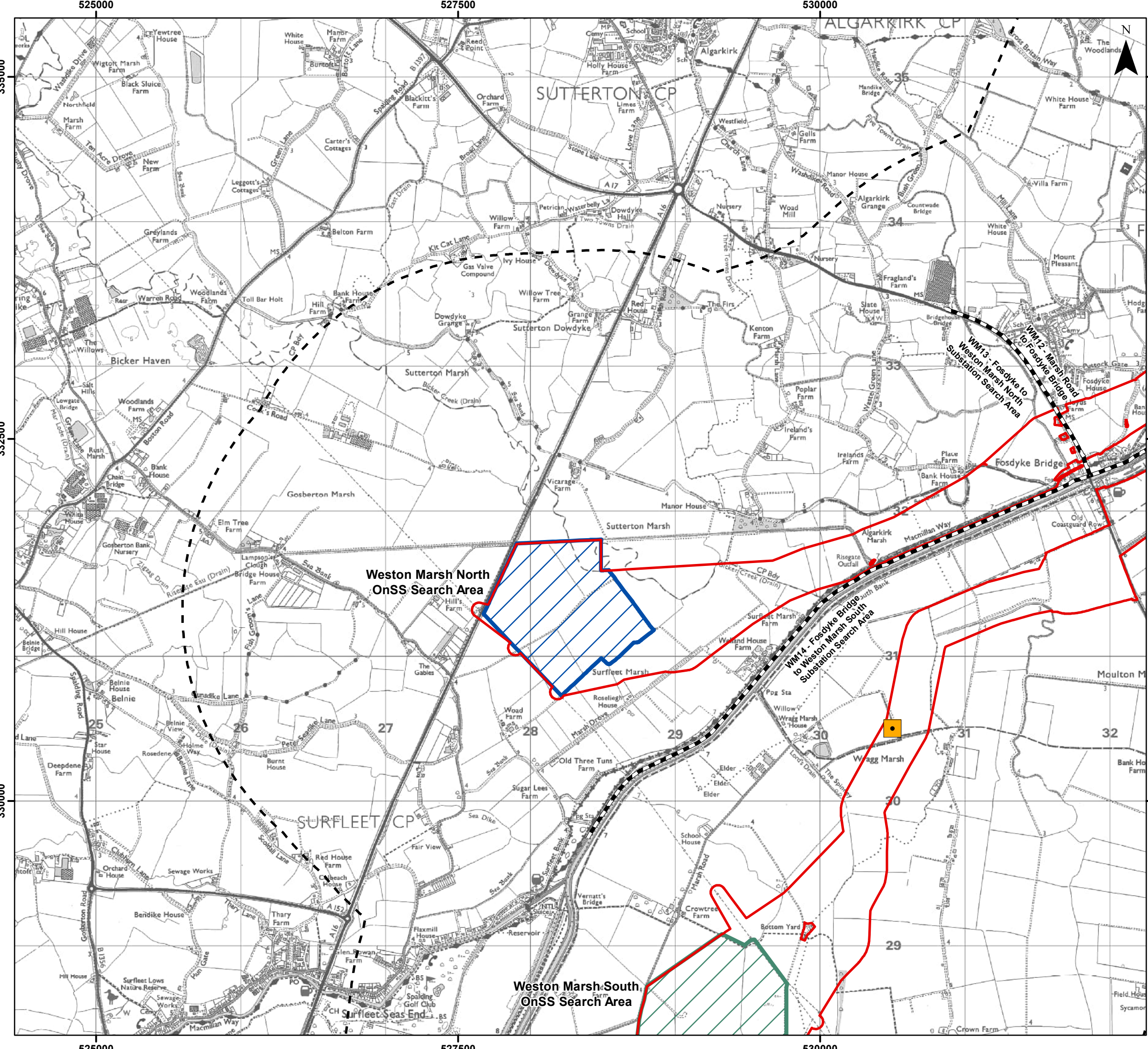


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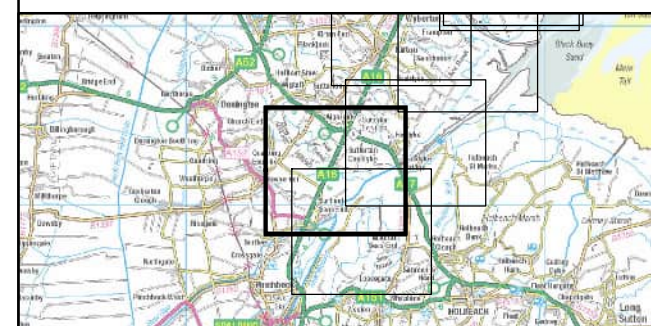
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Amphibians**

- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.11

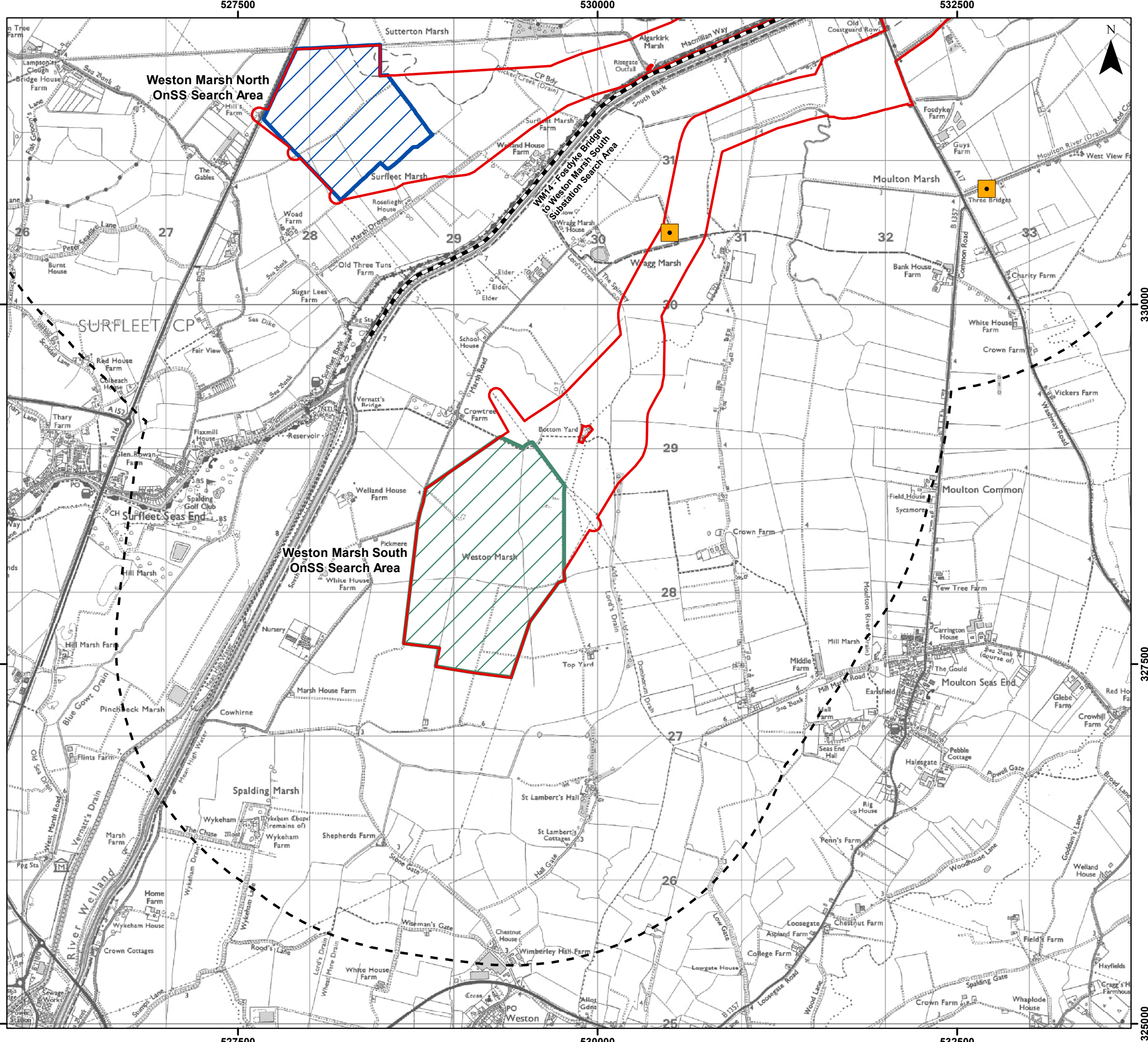


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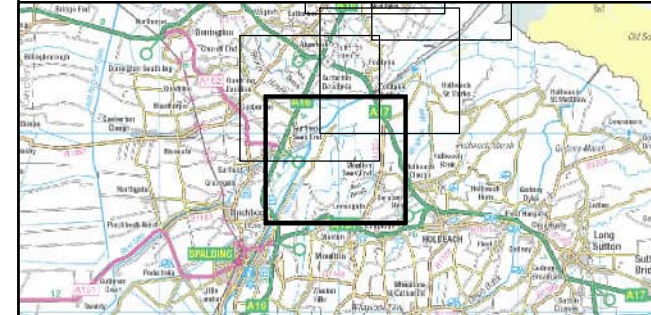
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Amphibians**

- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
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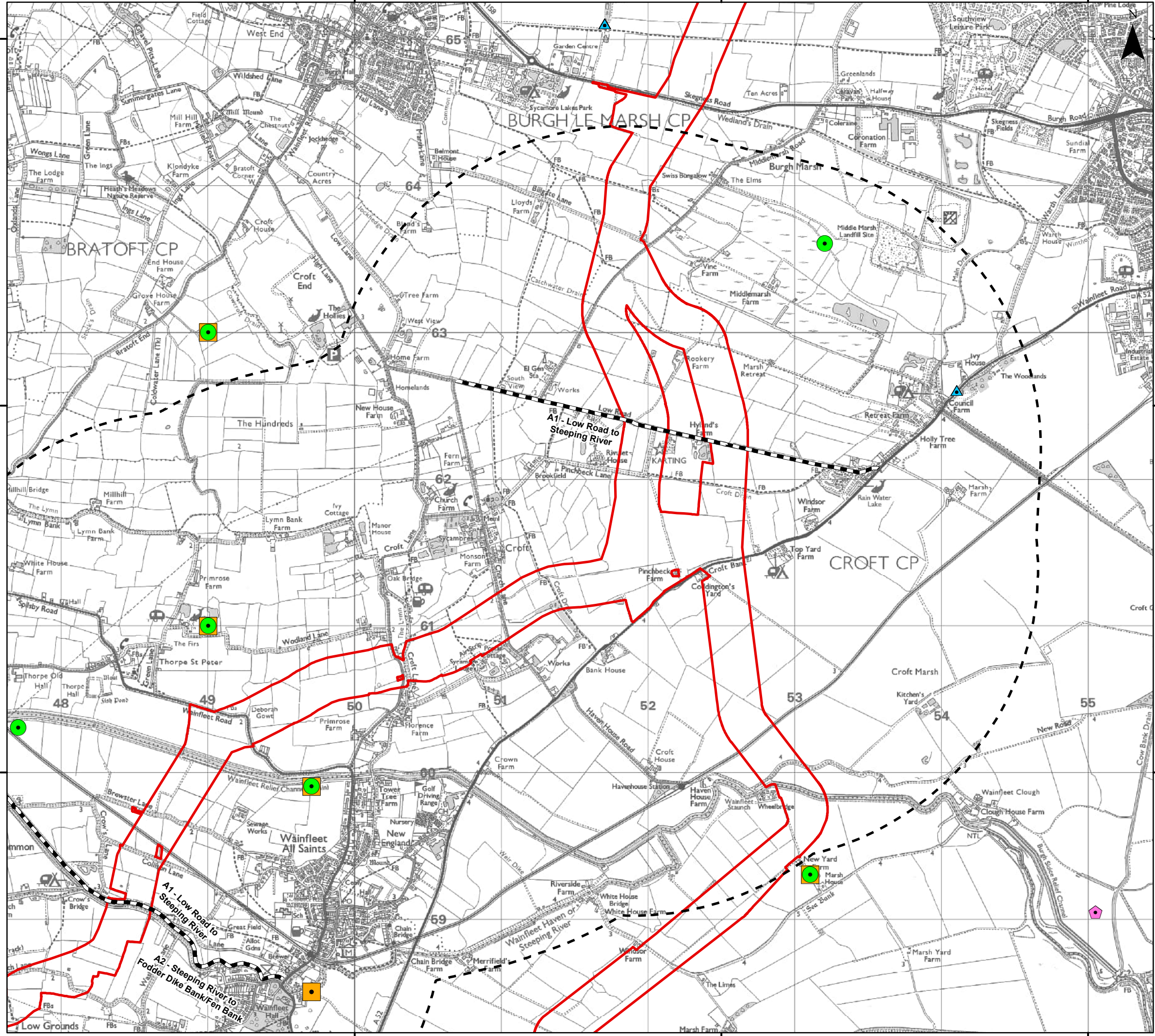
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Amphibians**
- ▲ Great Crested Newt
- ⬠ Smooth Newt
- Common Frog
- Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

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 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.13



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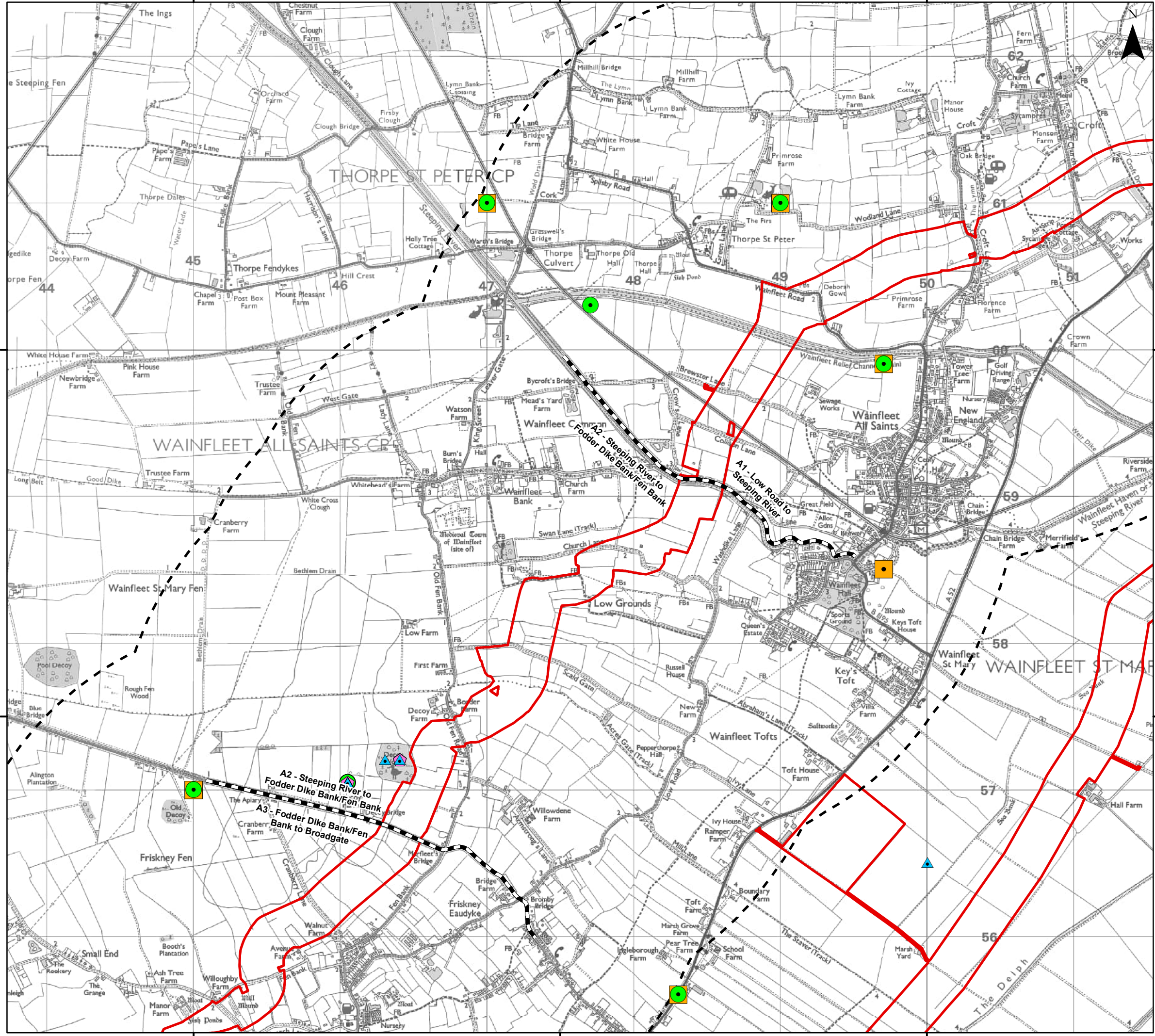
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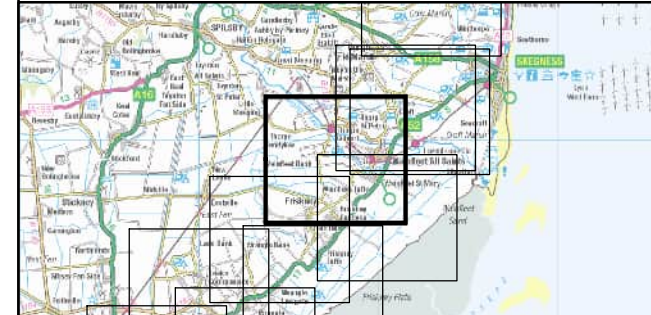
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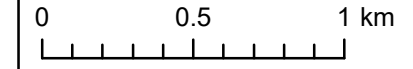
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Amphibians**
- ▲ Great Crested Newt
- ⬠ Smooth Newt
- Common Frog
- Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.14



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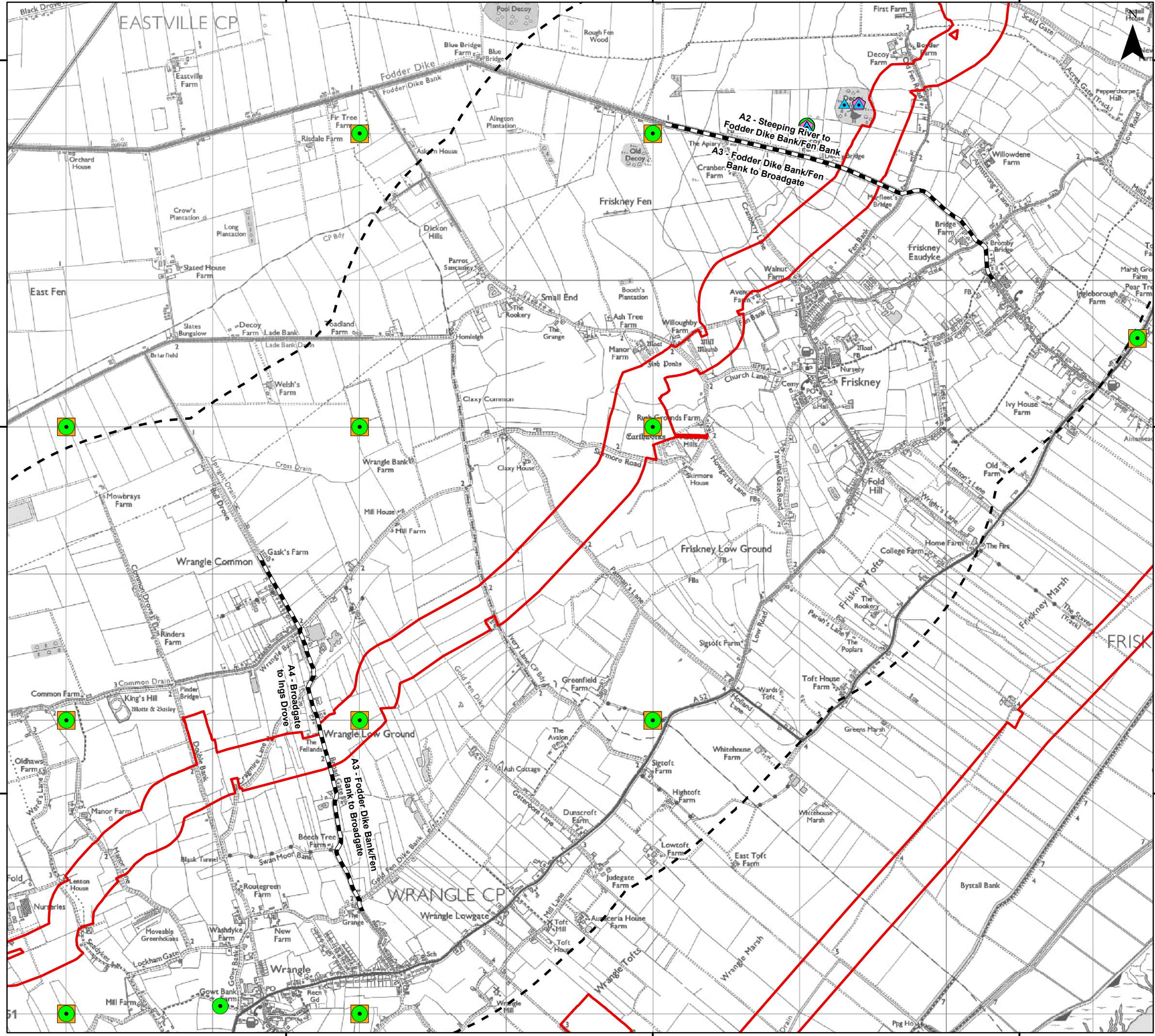
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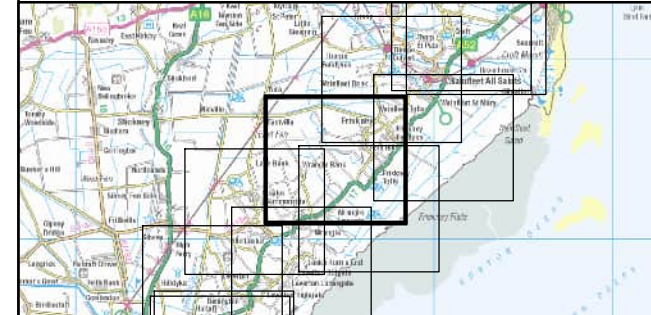
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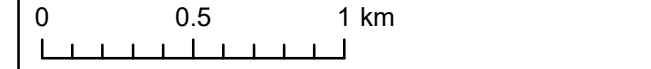
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Amphibians**
- ▲ Great Crested Newt
- ⬠ Smooth Newt
- Common Frog
- Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.15

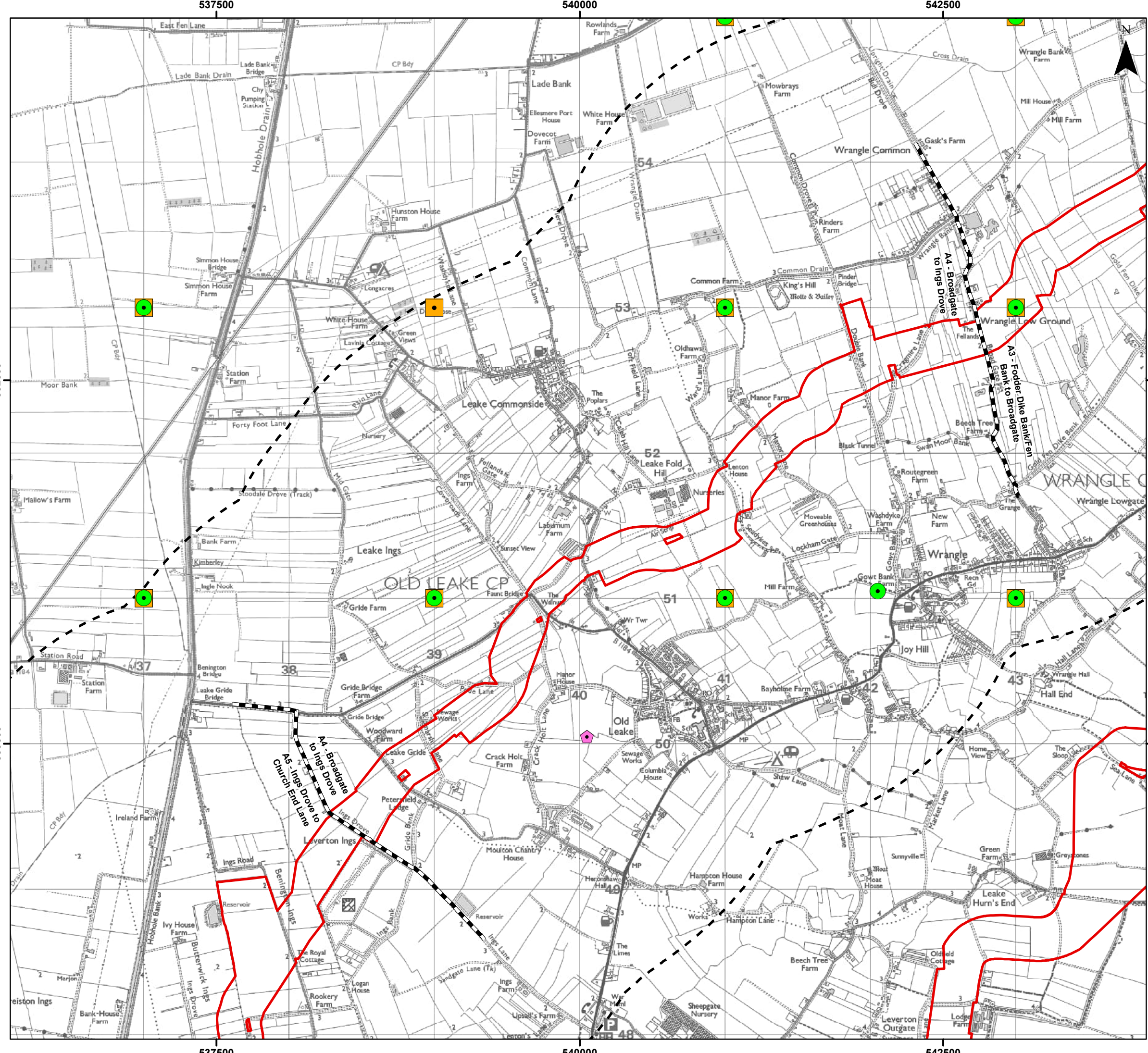


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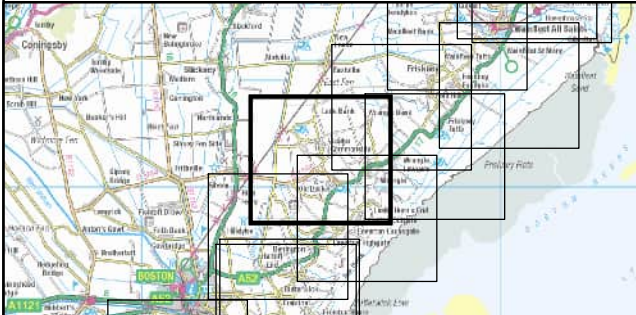
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Amphibians**
- ◆ Smooth Newt
- Common Frog
- Common Toad

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.16

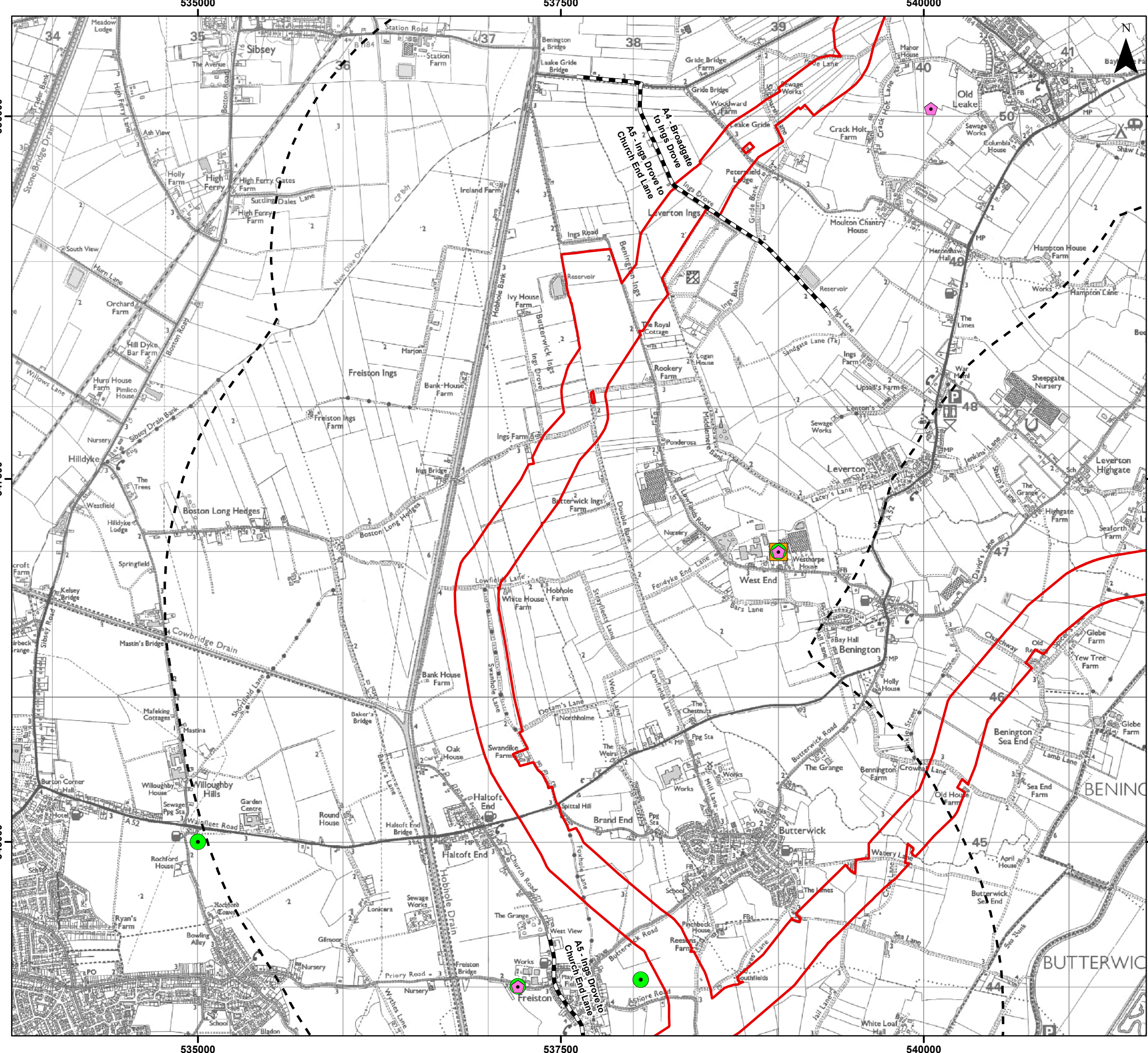


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

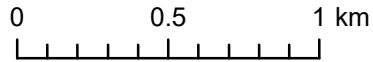
**Local Records: Amphibians**

- ◆ Smooth Newt
- Common Frog
- Common Toad

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

**Preliminary Environmental Information Report**

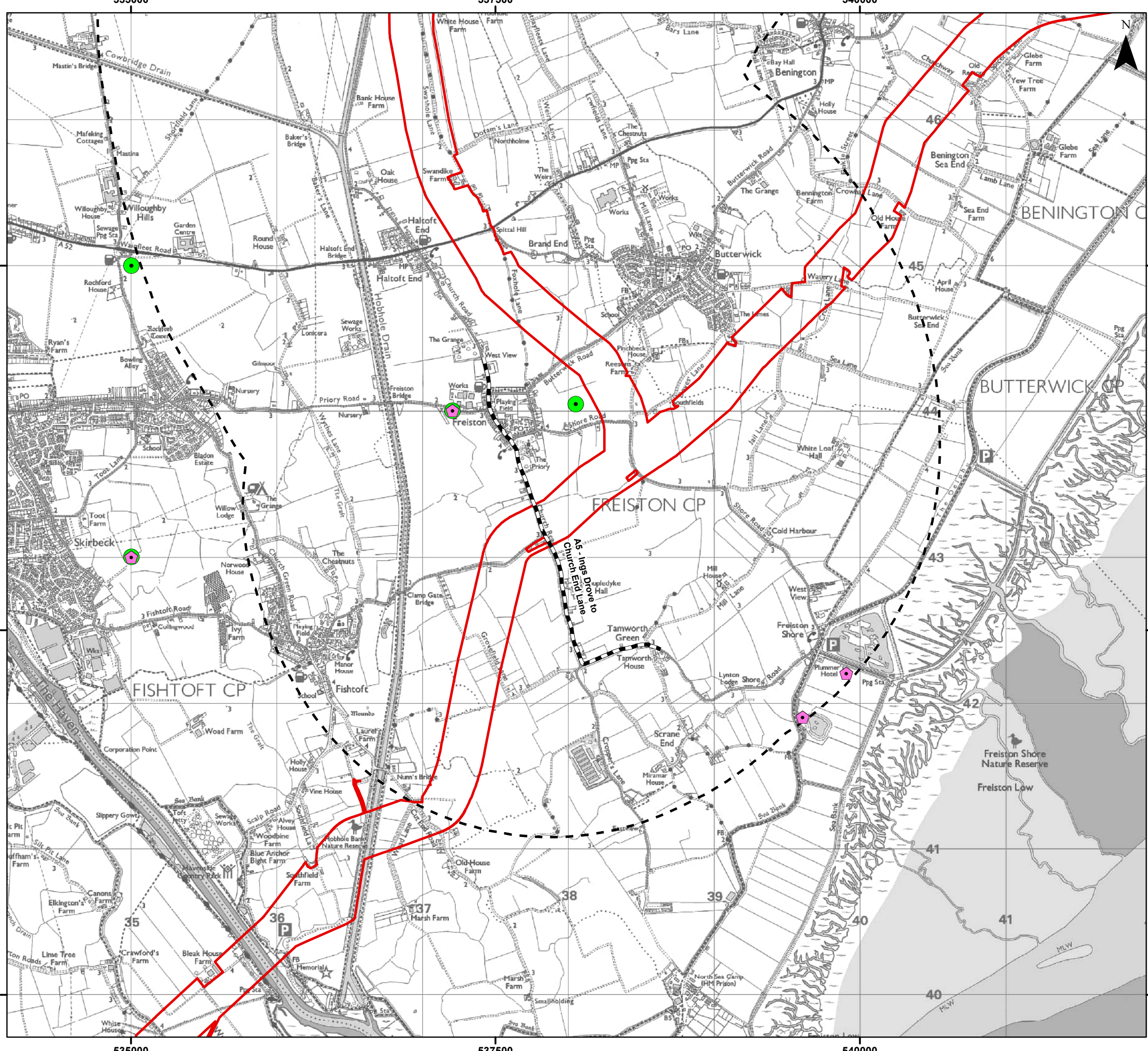
Weston Marsh  
Protected and Notable Species Records  
Amphibians  
Figure 21.22.17



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Amphibians**
- ◆ Smooth Newt
  - Common Frog

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Amphibians  
 Figure 21.22.18

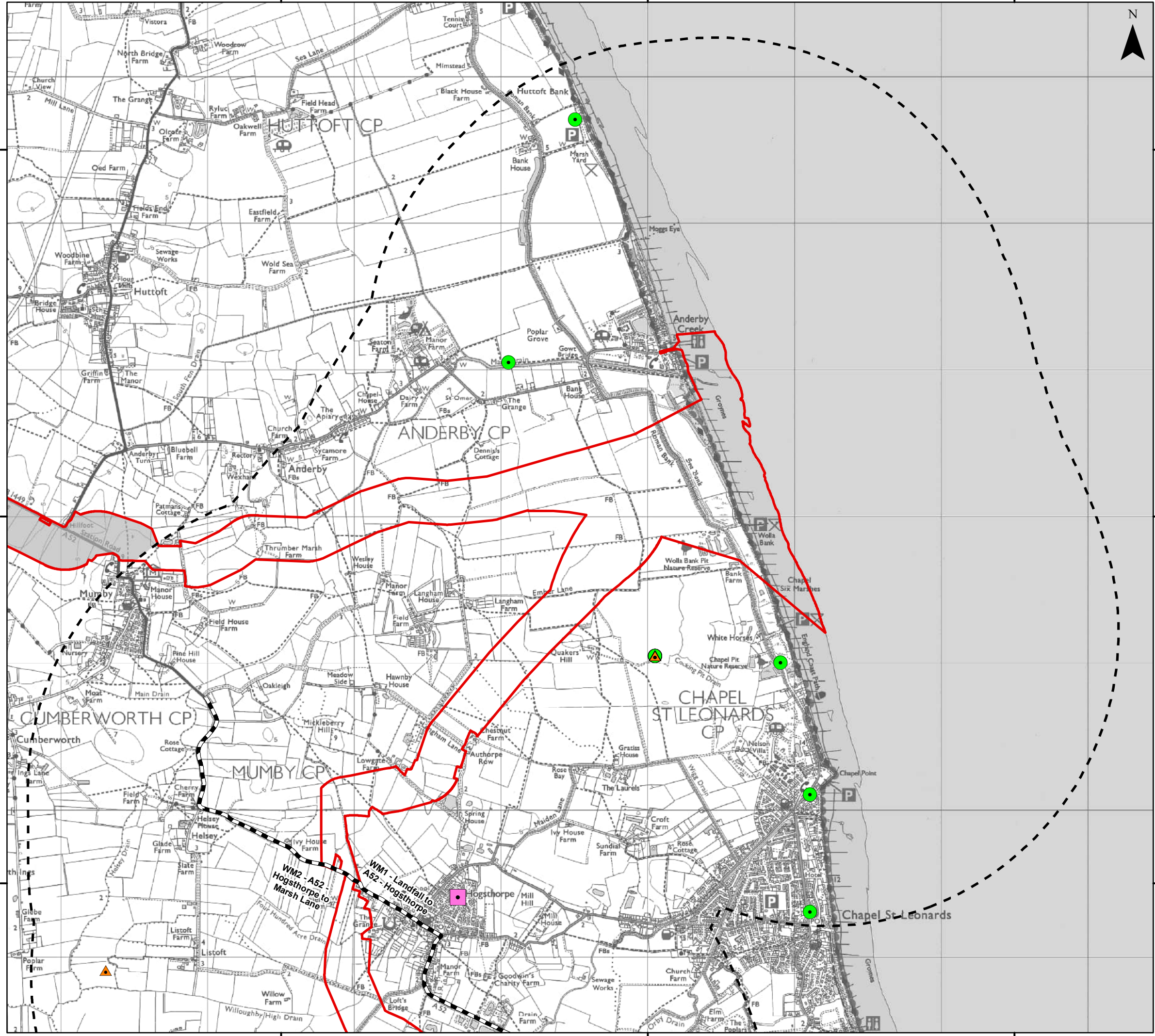


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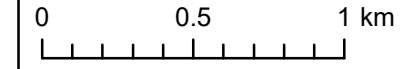
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Reptiles**
-  Grass Snake
-  Common Lizard
-  Slow-worm

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.1



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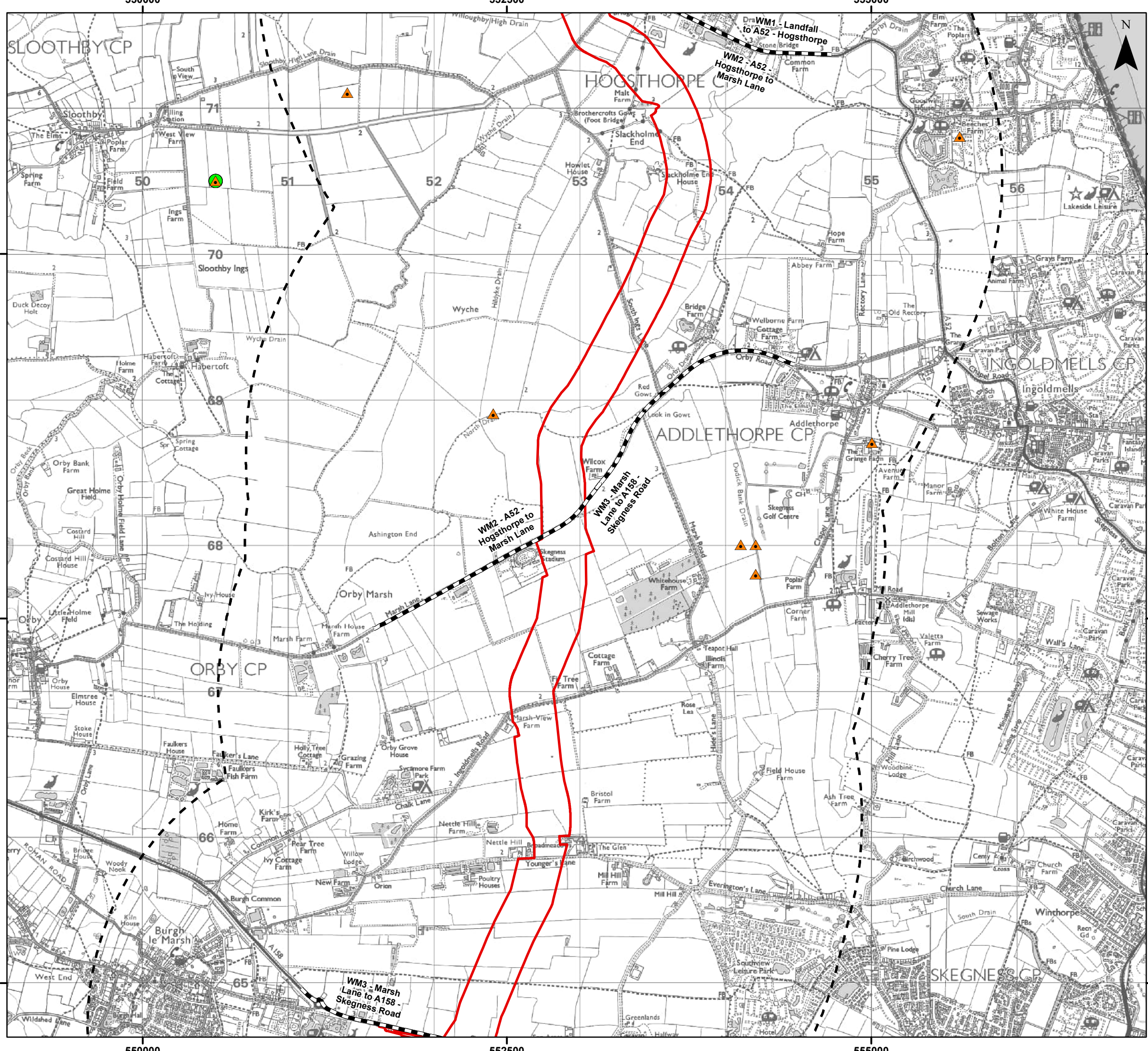
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

- Local Records: Reptiles**
- ▲ Grass Snake
  - Common Lizard

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.2

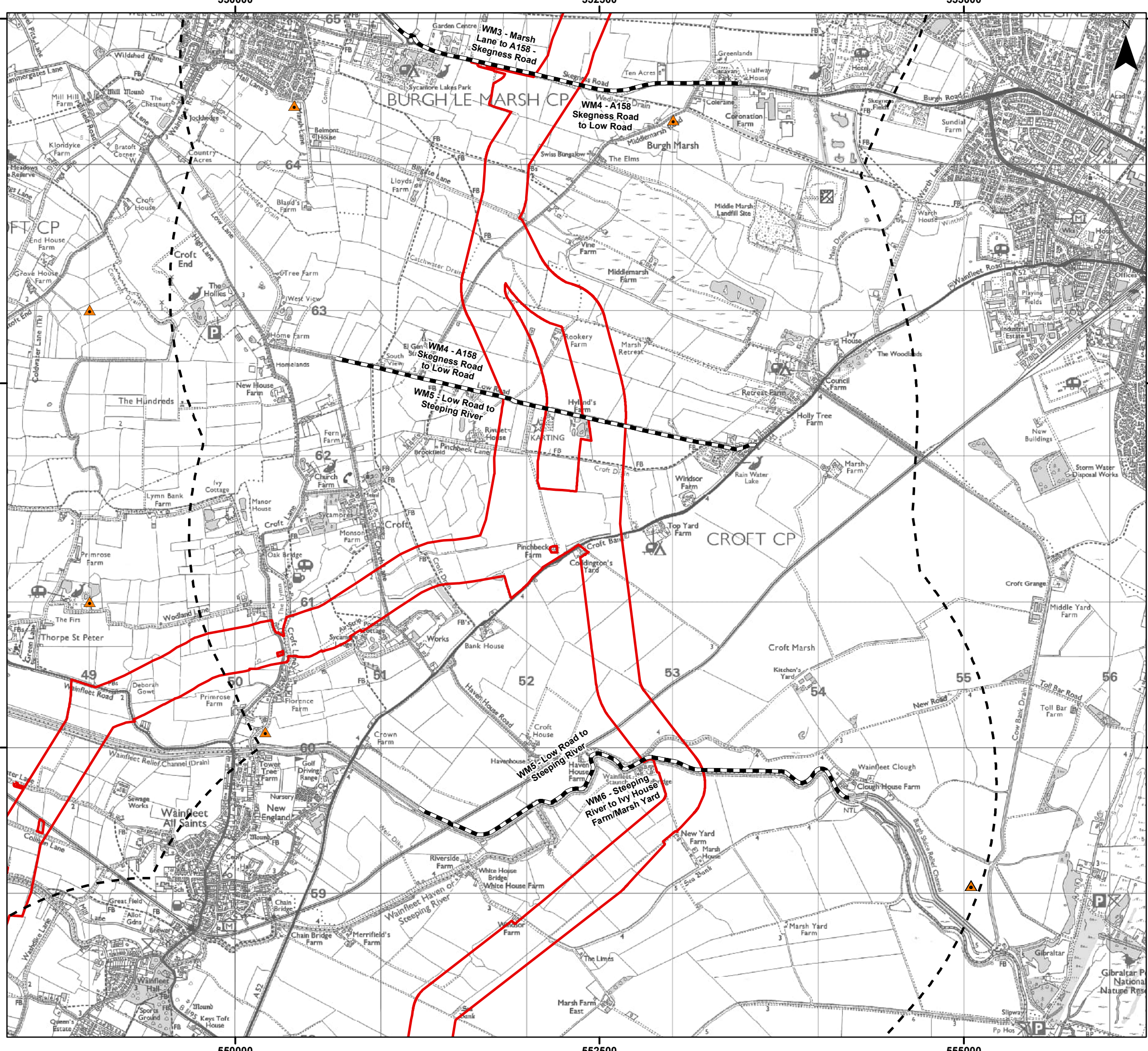


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.3

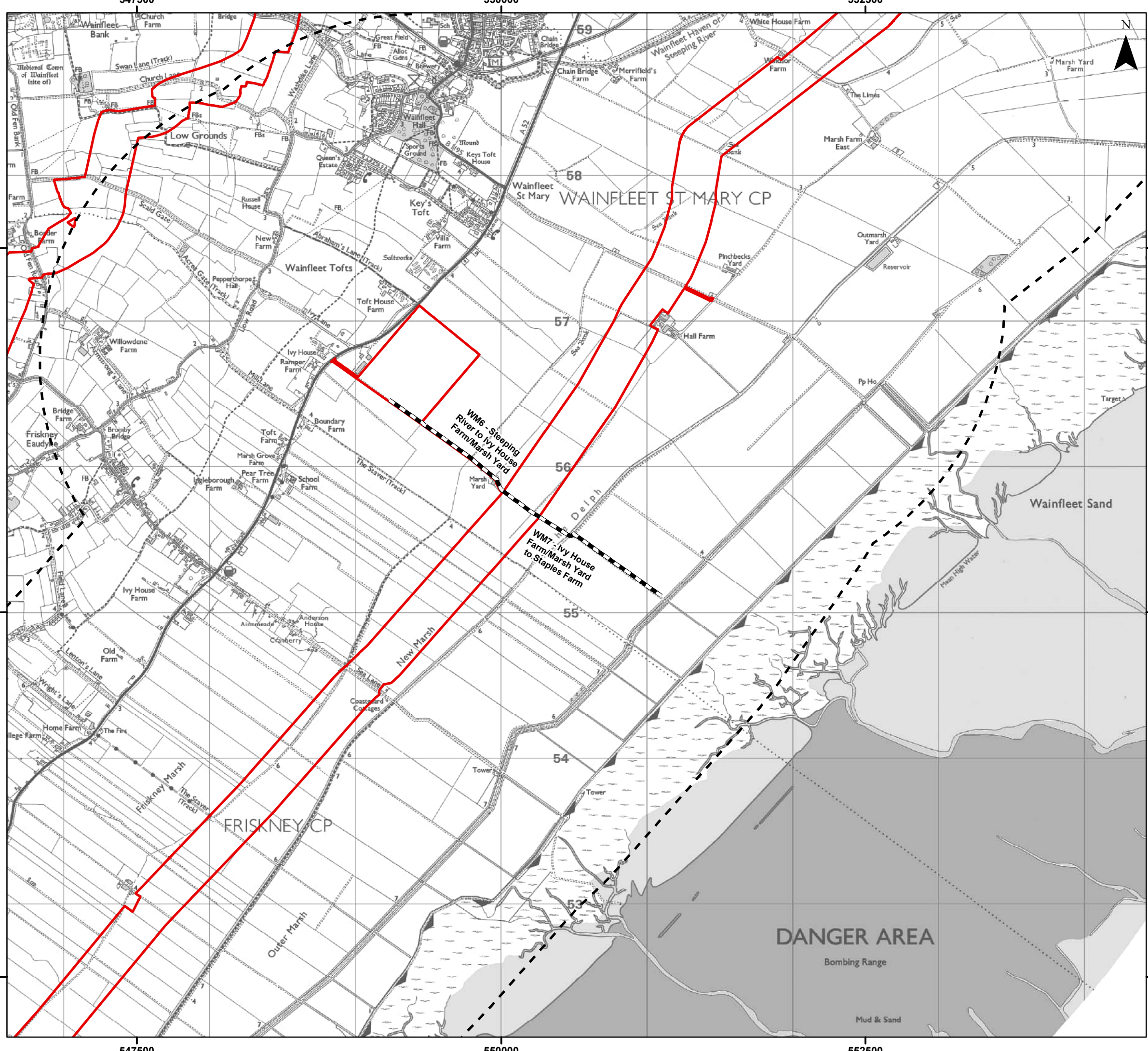


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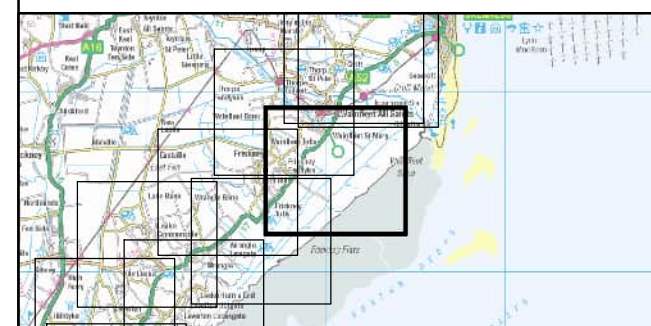
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.4

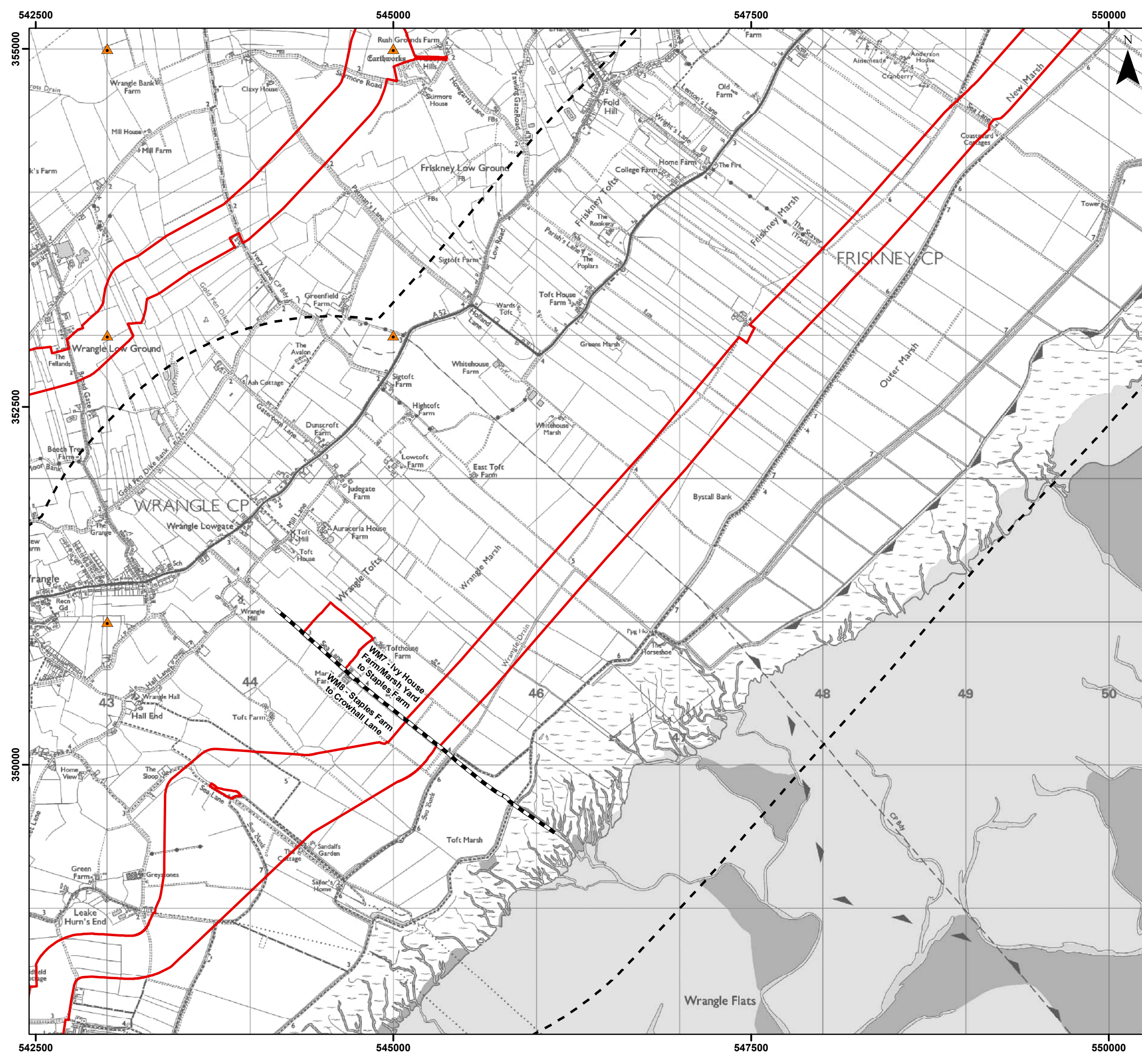


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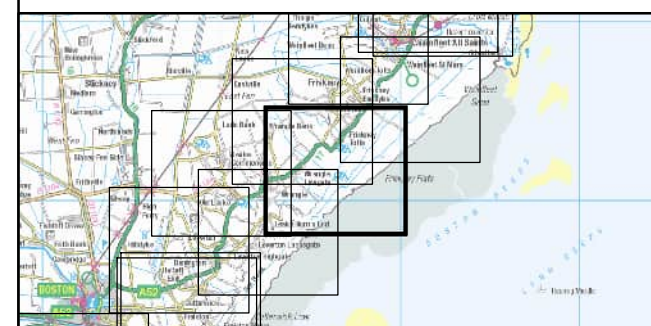
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.5

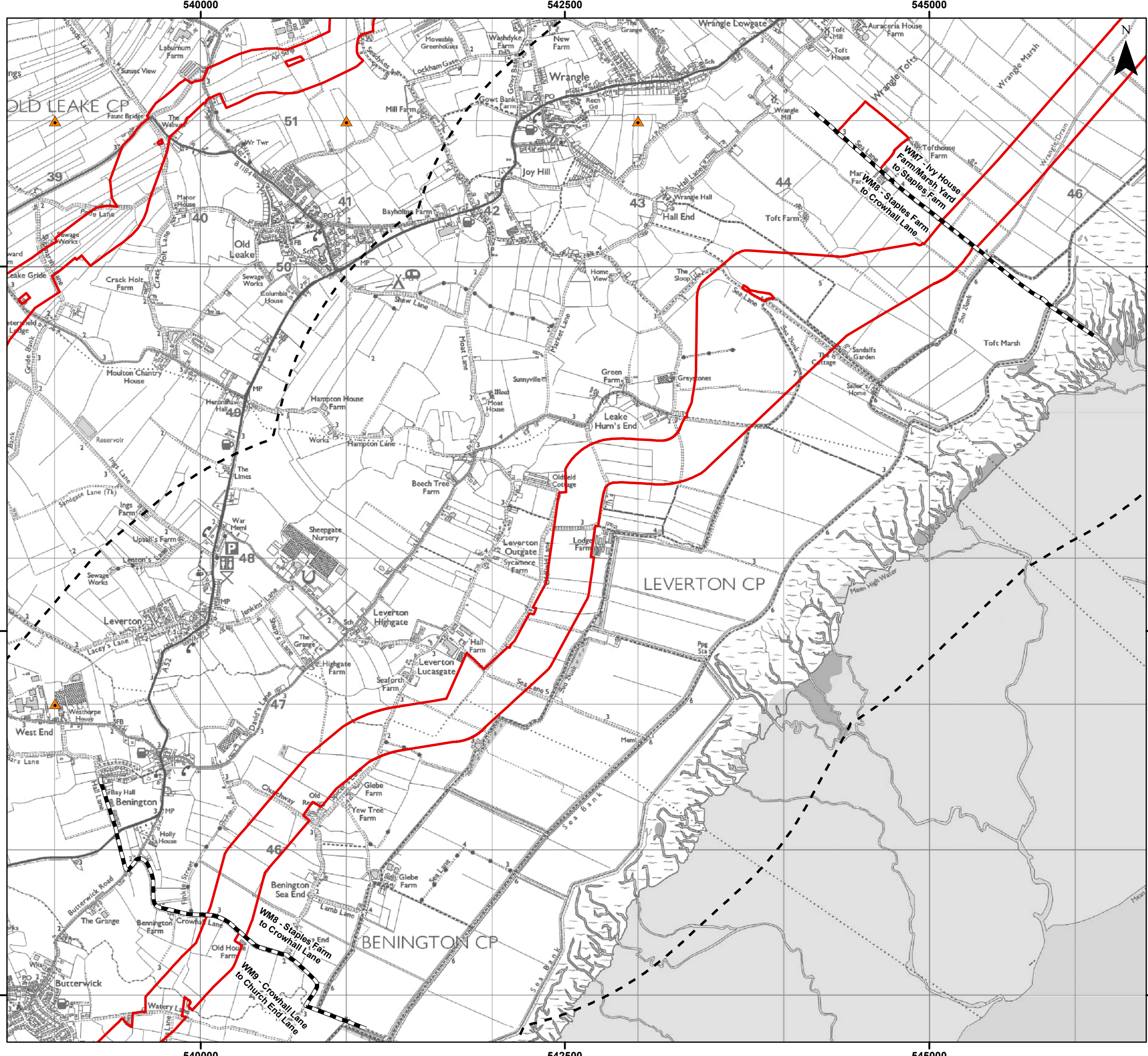


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.6

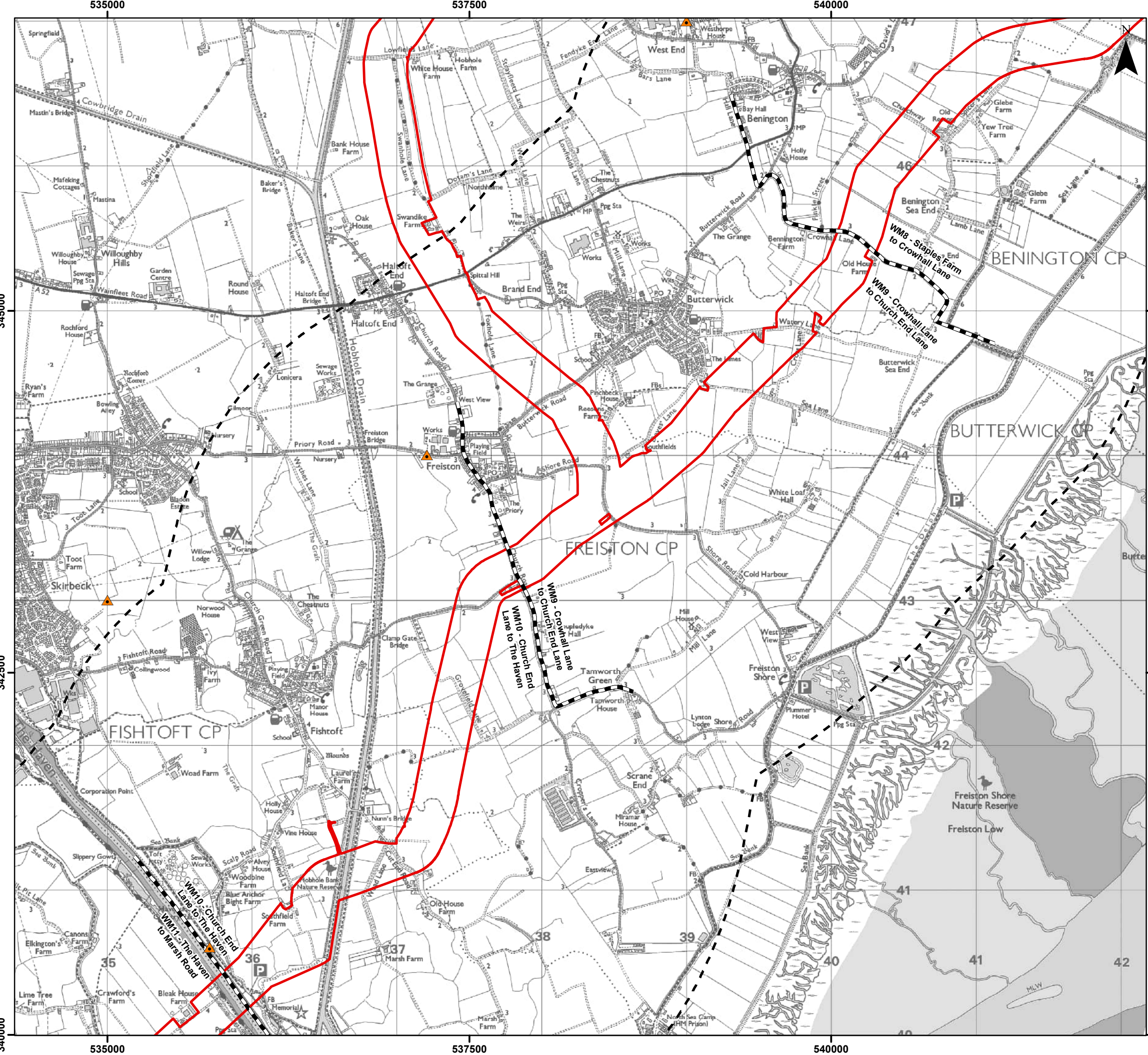


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Reptiles**
- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.7

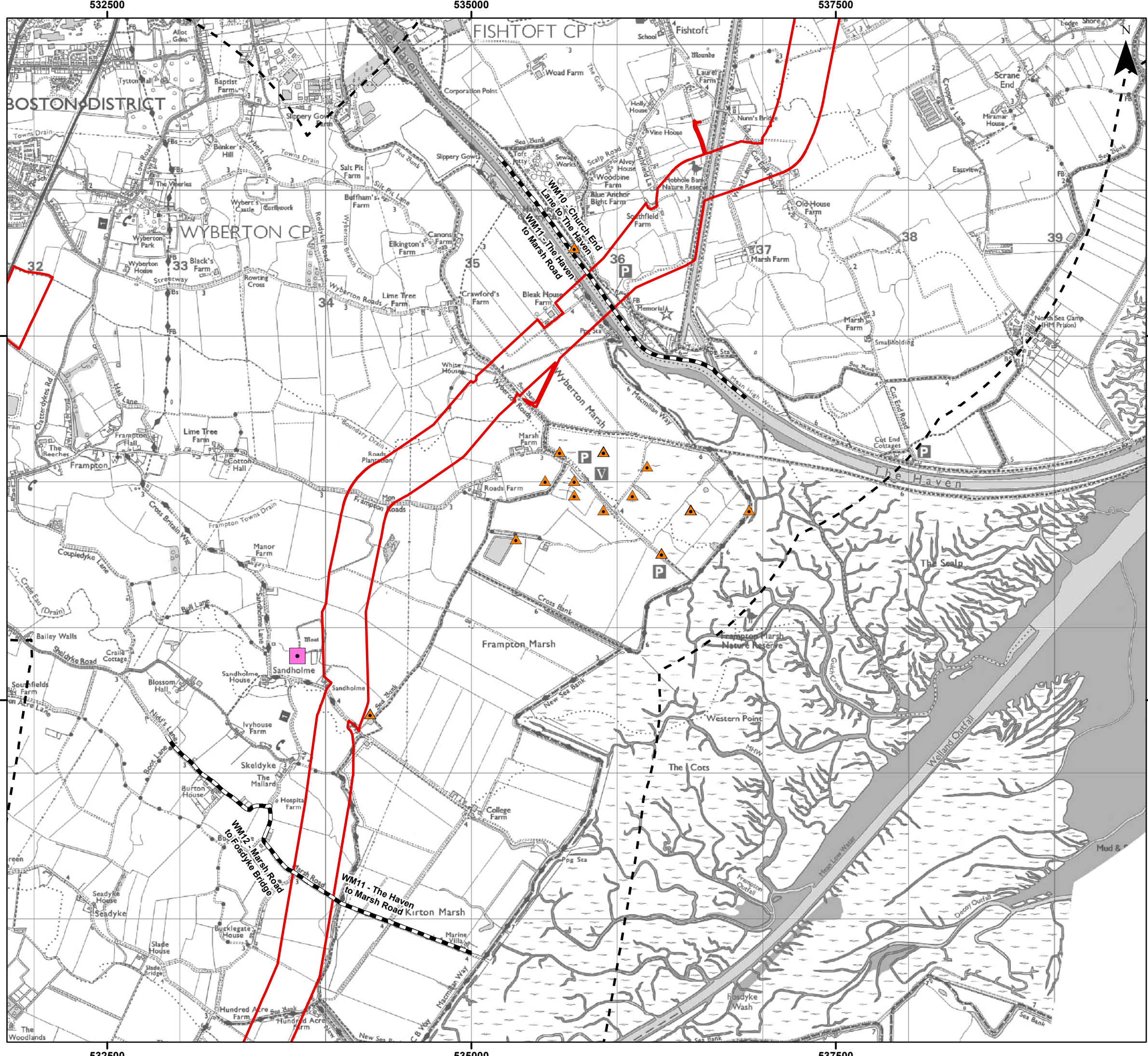


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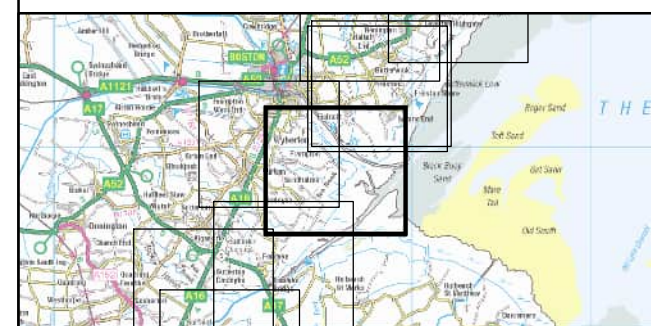
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Reptiles**
- ▲ Grass Snake
- Slow-worm

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.8



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



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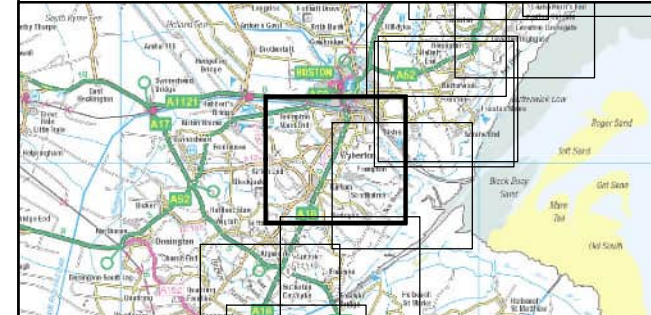
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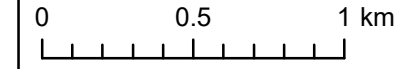
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Reptiles**
-  Grass Snake
-  Slow-worm

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

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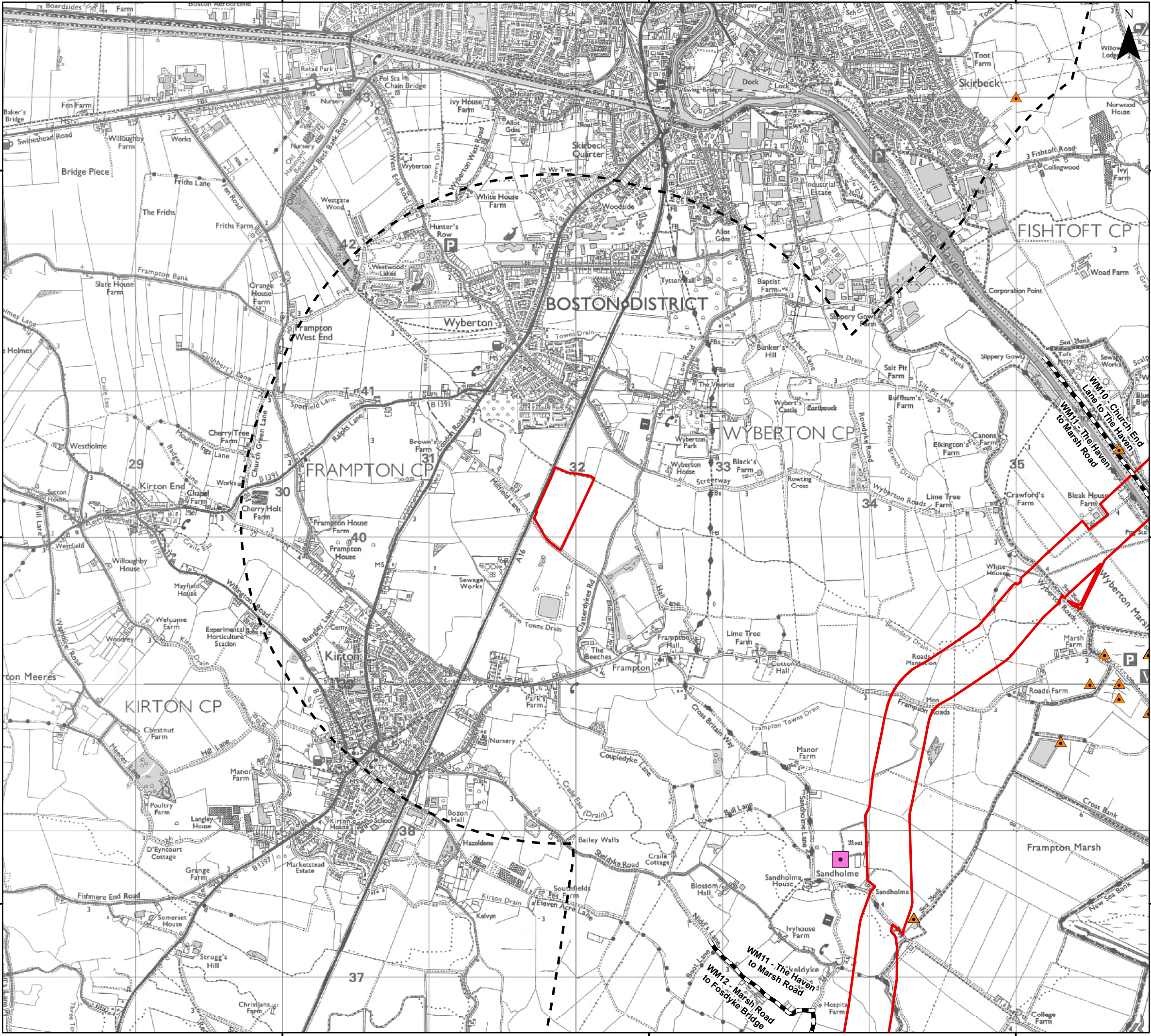
Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.9



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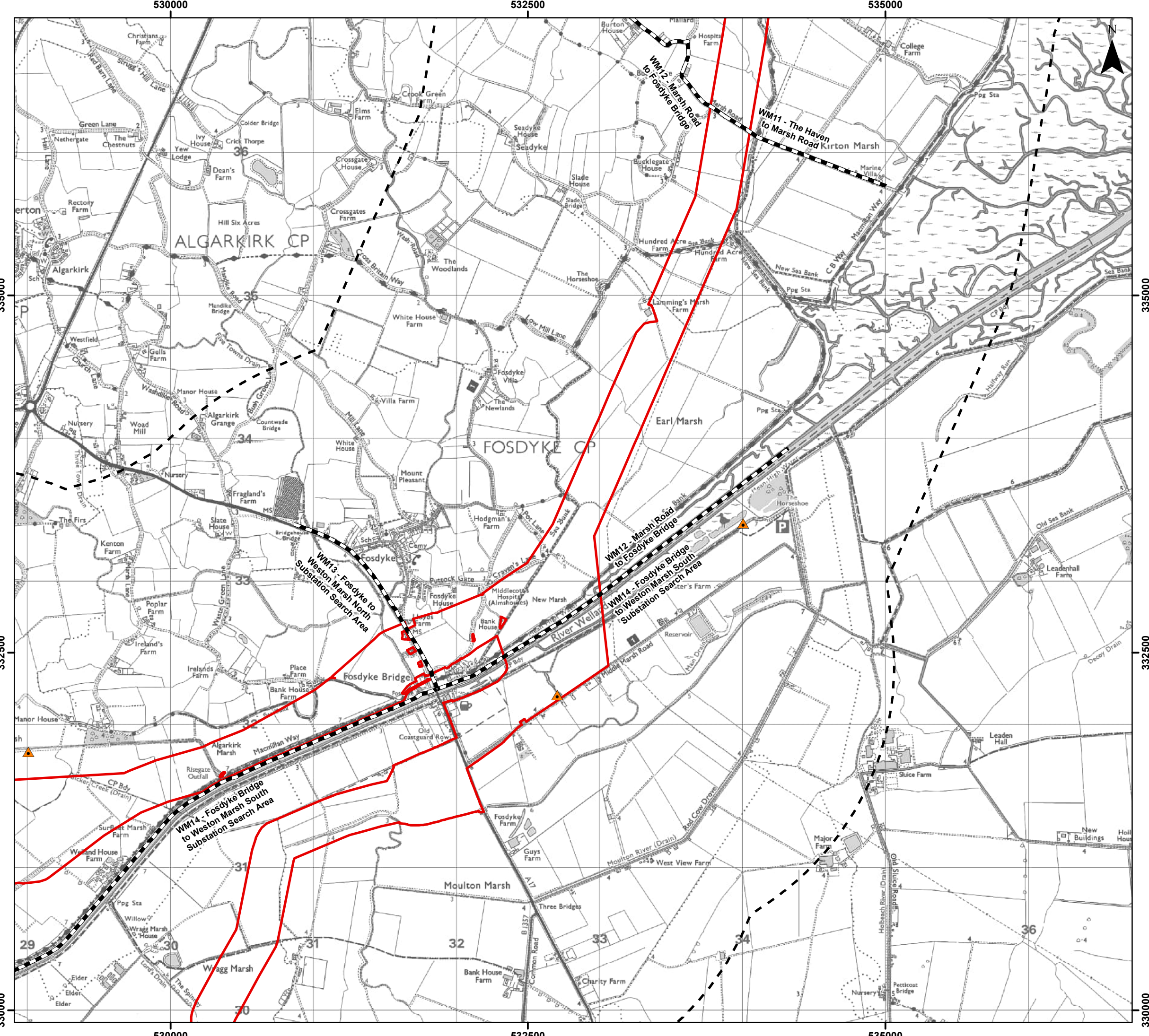
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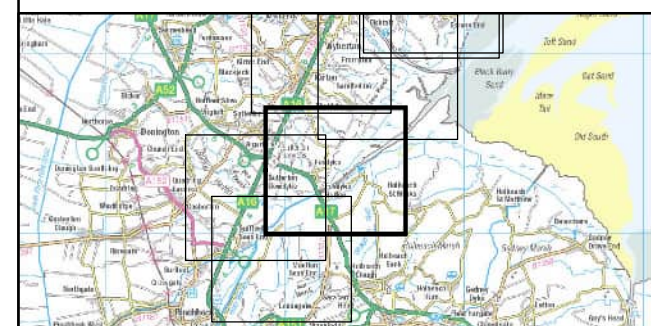
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.10

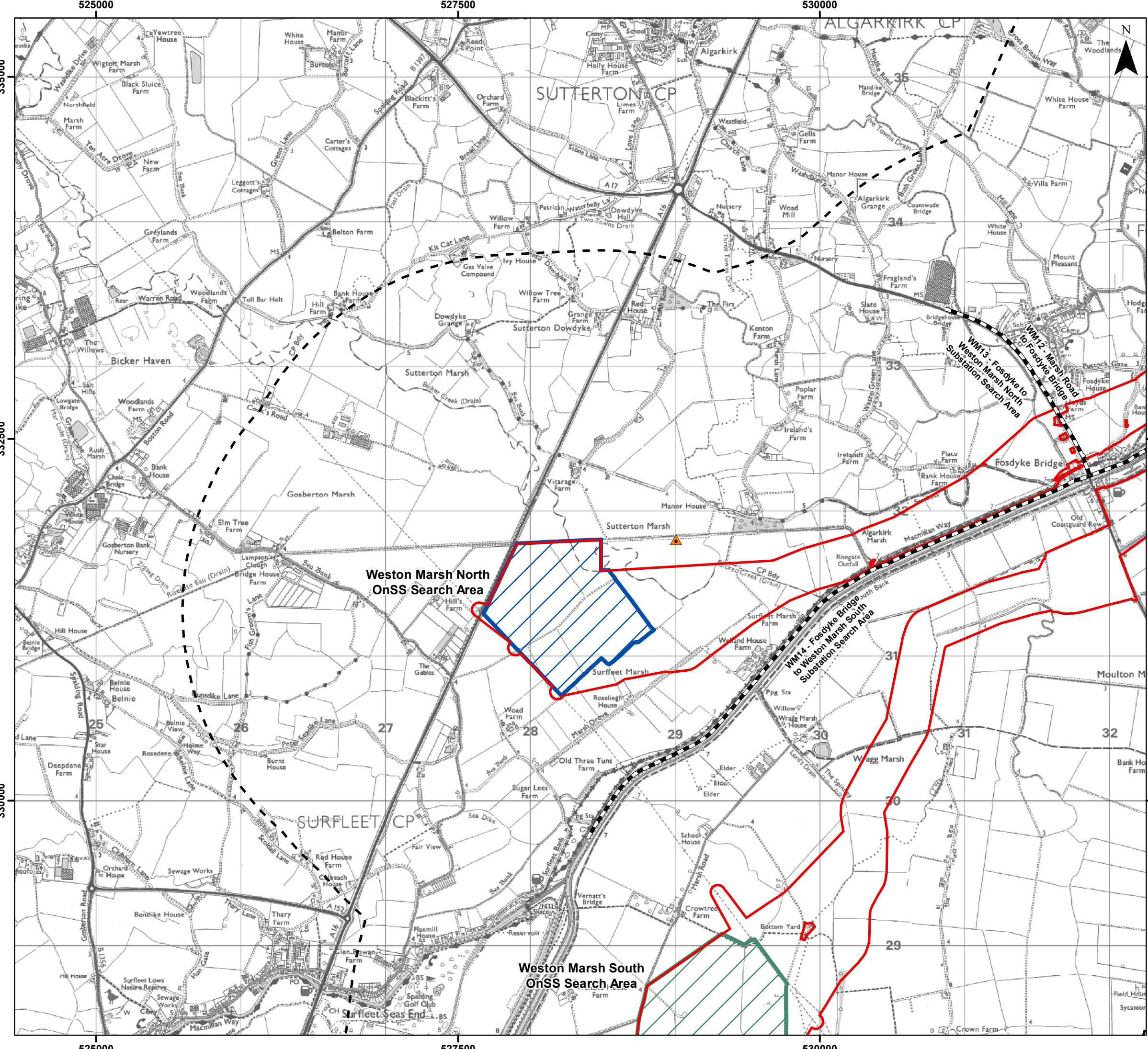


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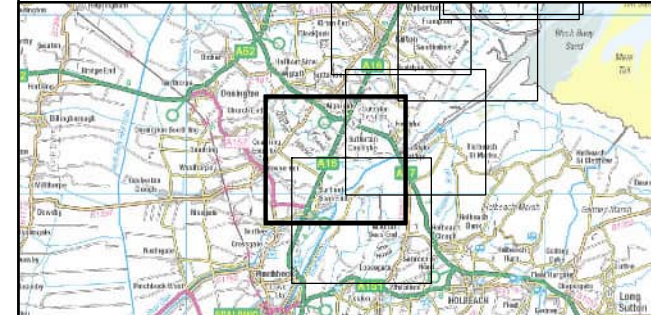
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

- Local Records: Reptiles**
- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.11

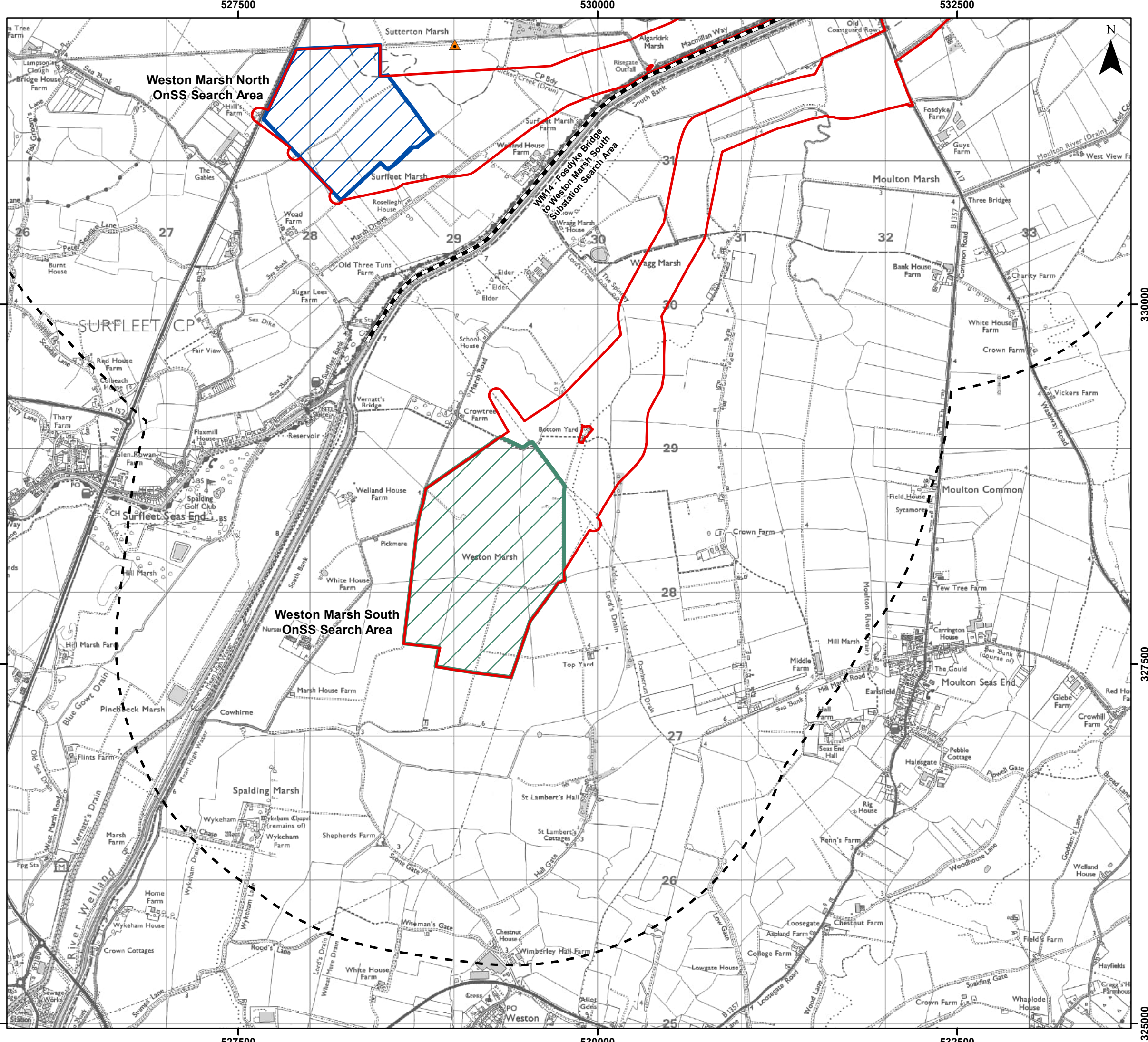


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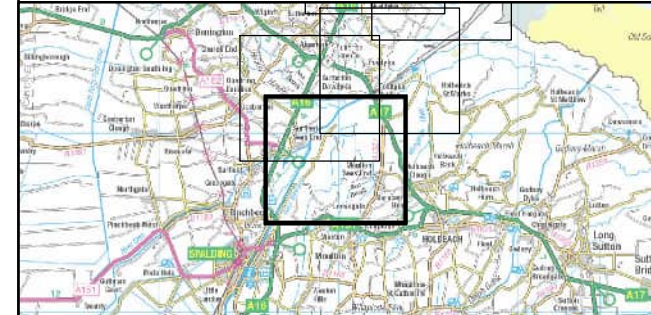
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.12

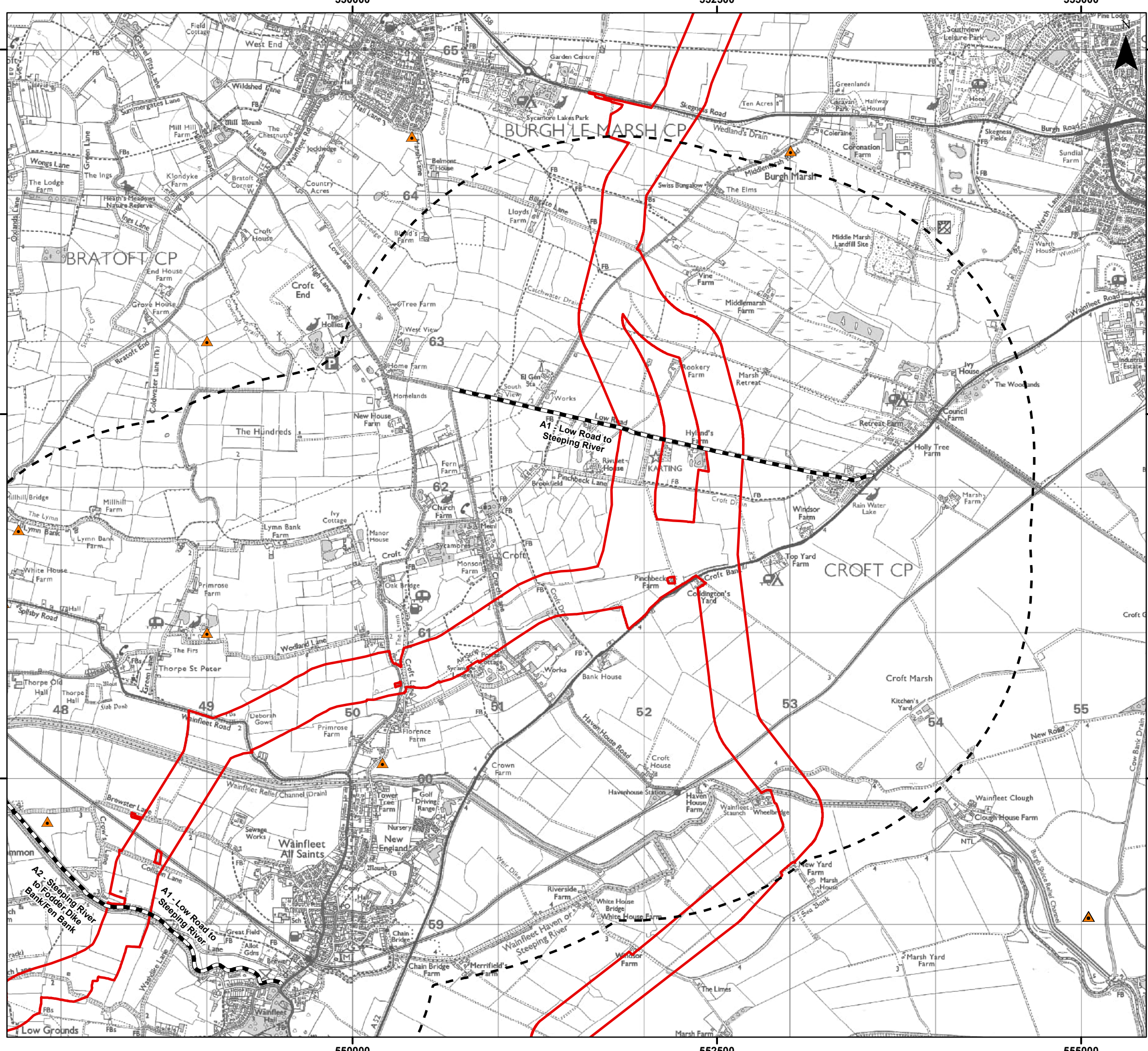


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.13



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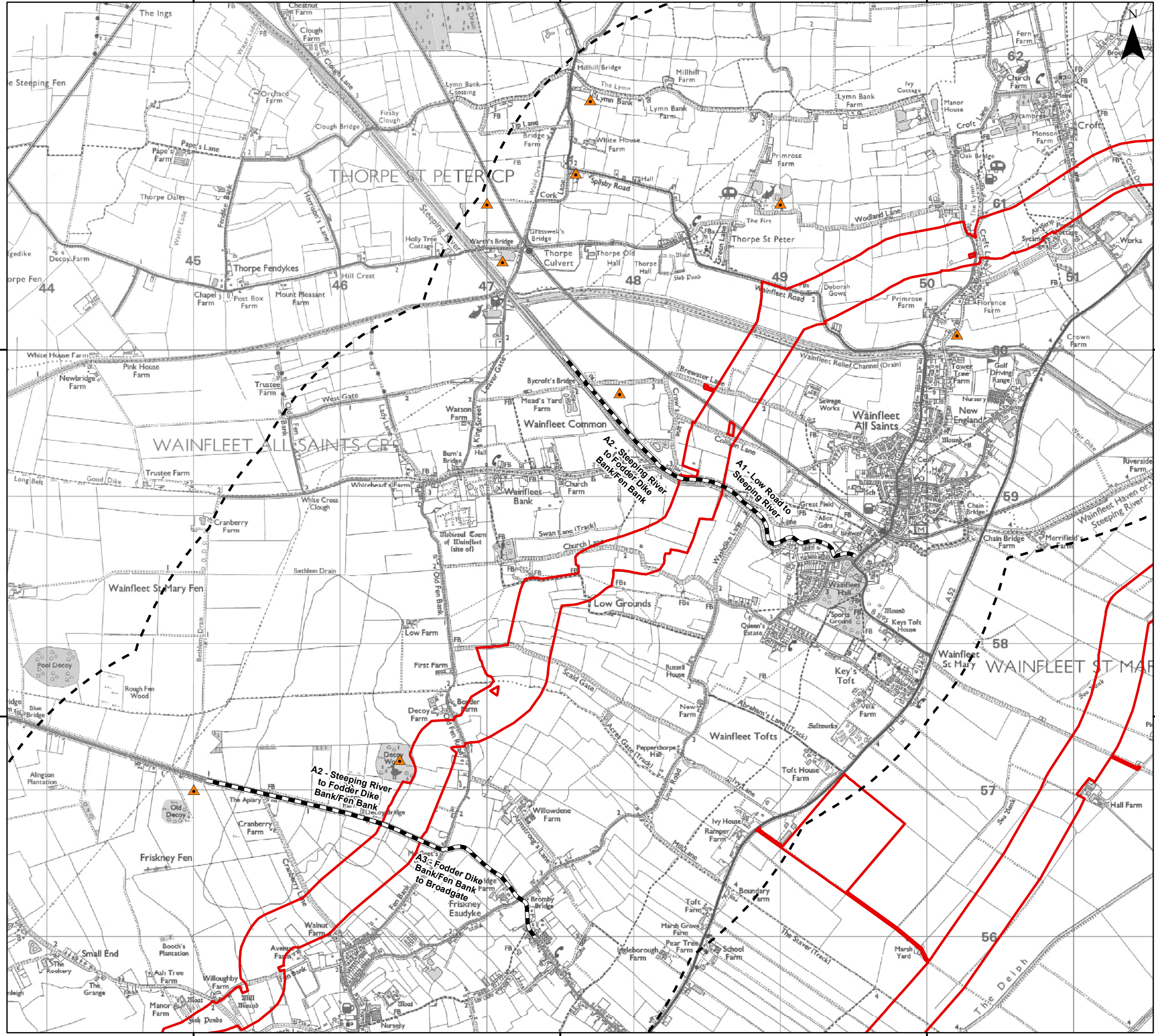
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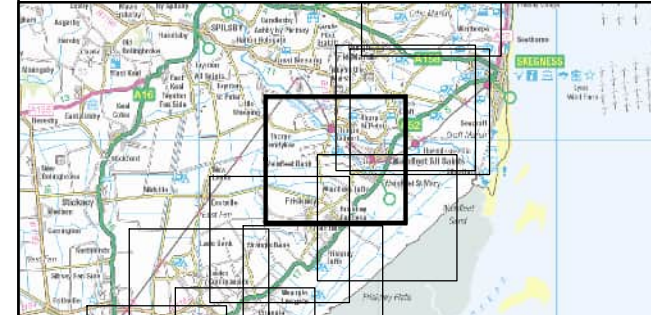
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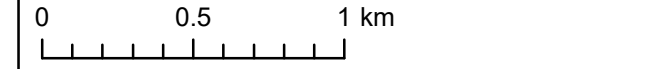
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Reptiles**
- ▲ Grass Snake

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.14



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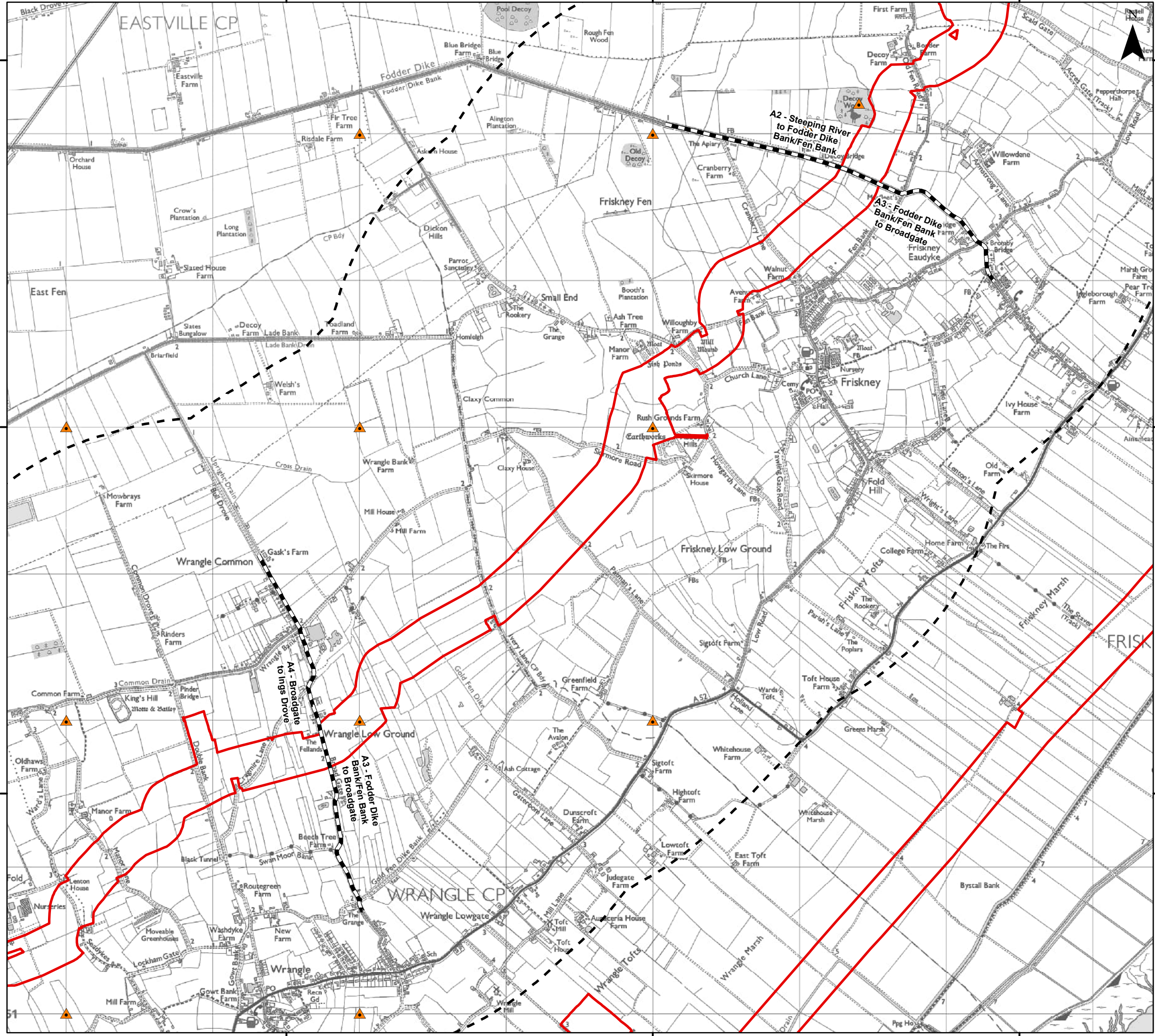
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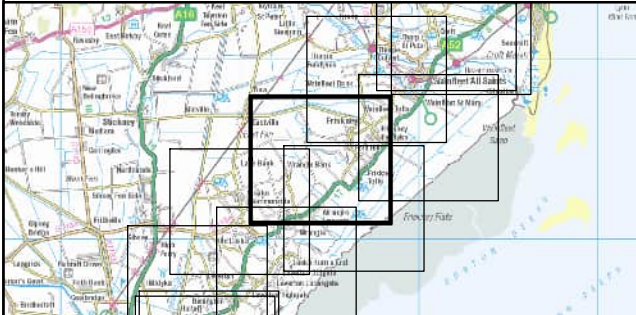
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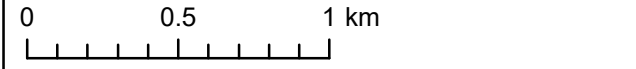
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Reptiles**
- ▲ Grass Snake

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.15

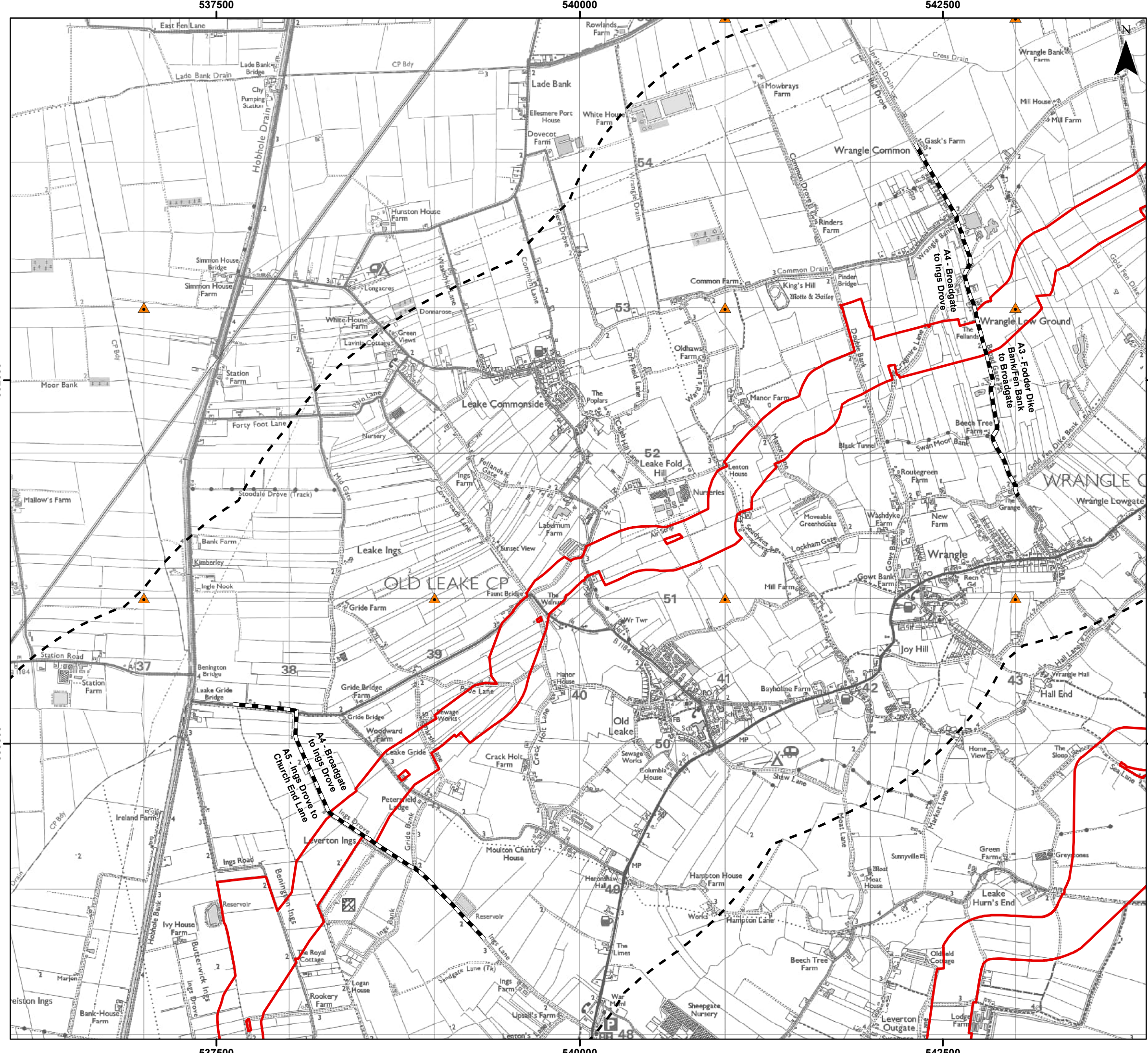


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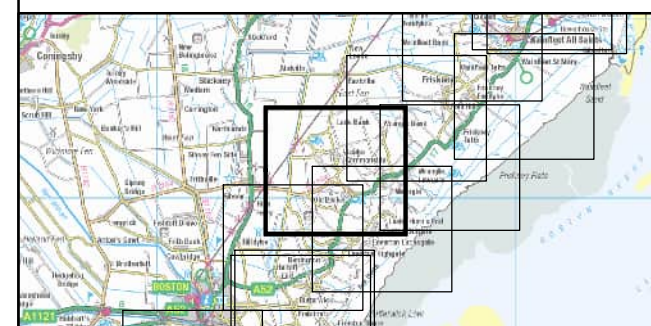
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Reptiles**
- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.16

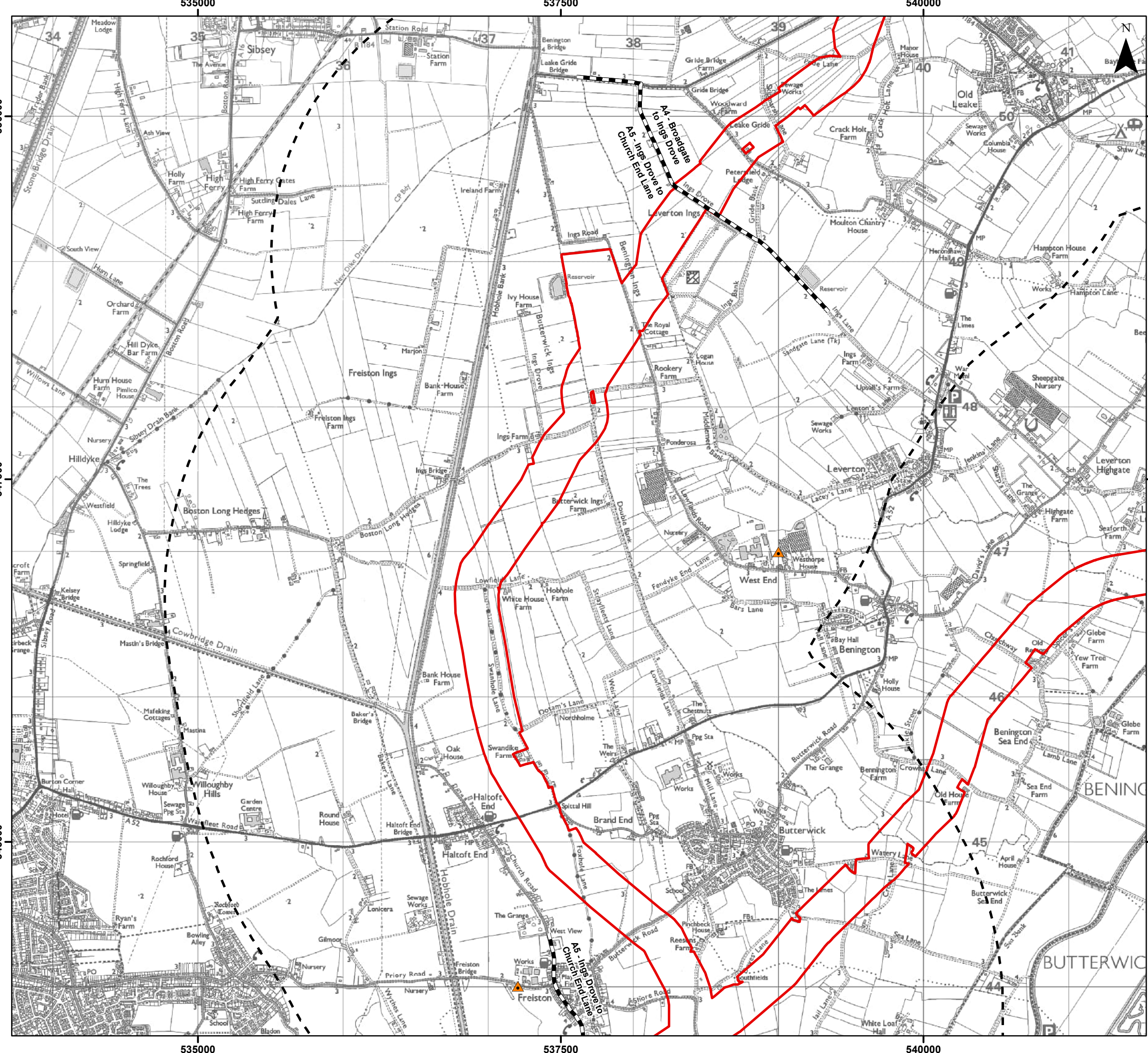


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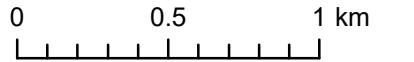
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Reptiles**
- ▲ Grass Snake

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

**Preliminary Environmental Information Report**

Weston Marsh  
Protected and Notable Species Records  
Reptiles  
Figure 21.23.17

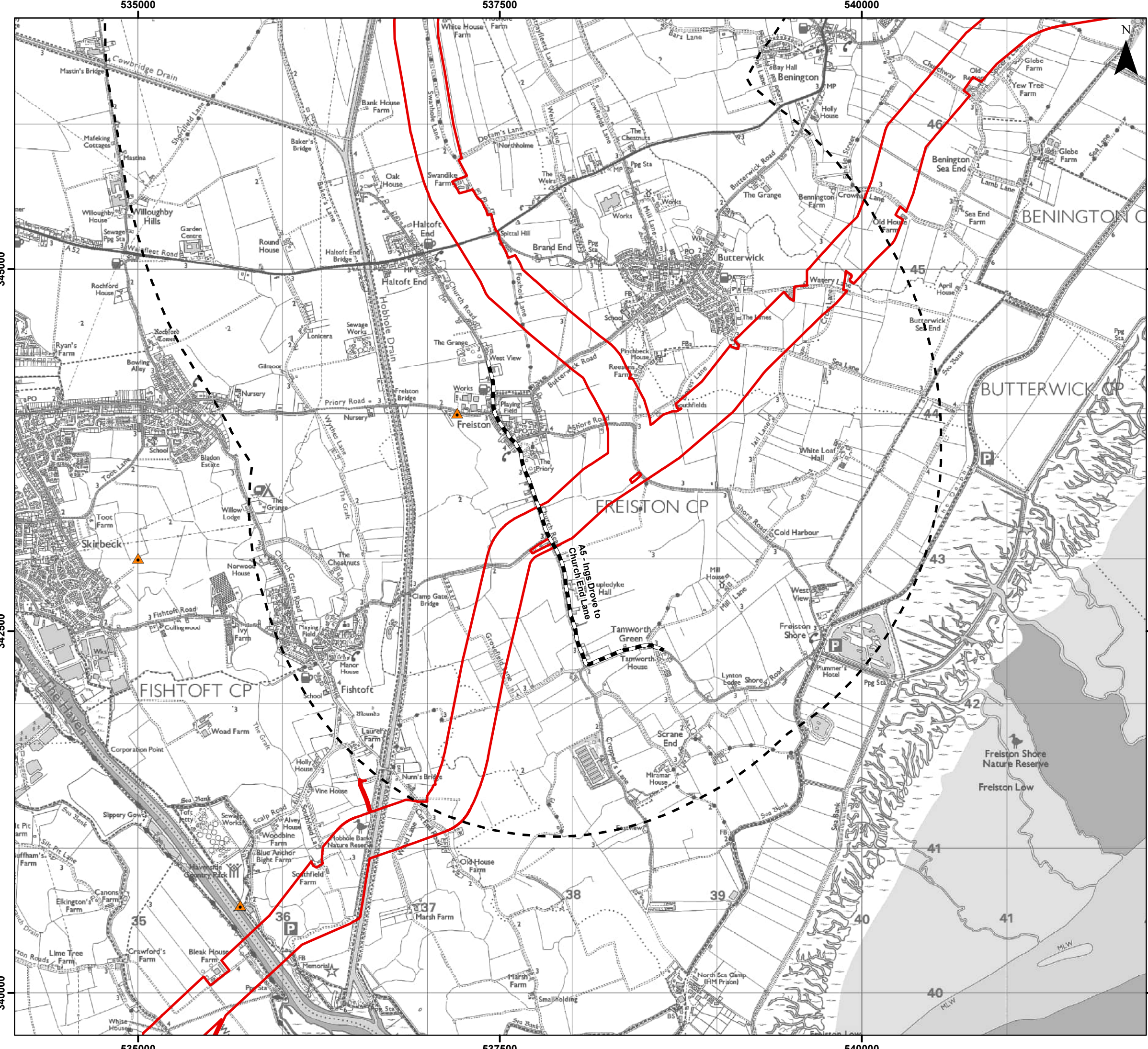


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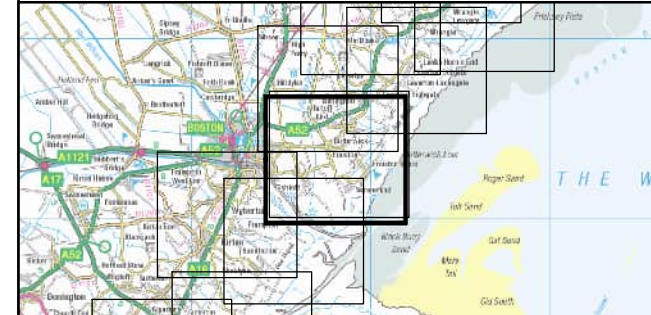
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

**Local Records: Reptiles**

- ▲ Grass Snake

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Reptiles  
 Figure 21.23.18





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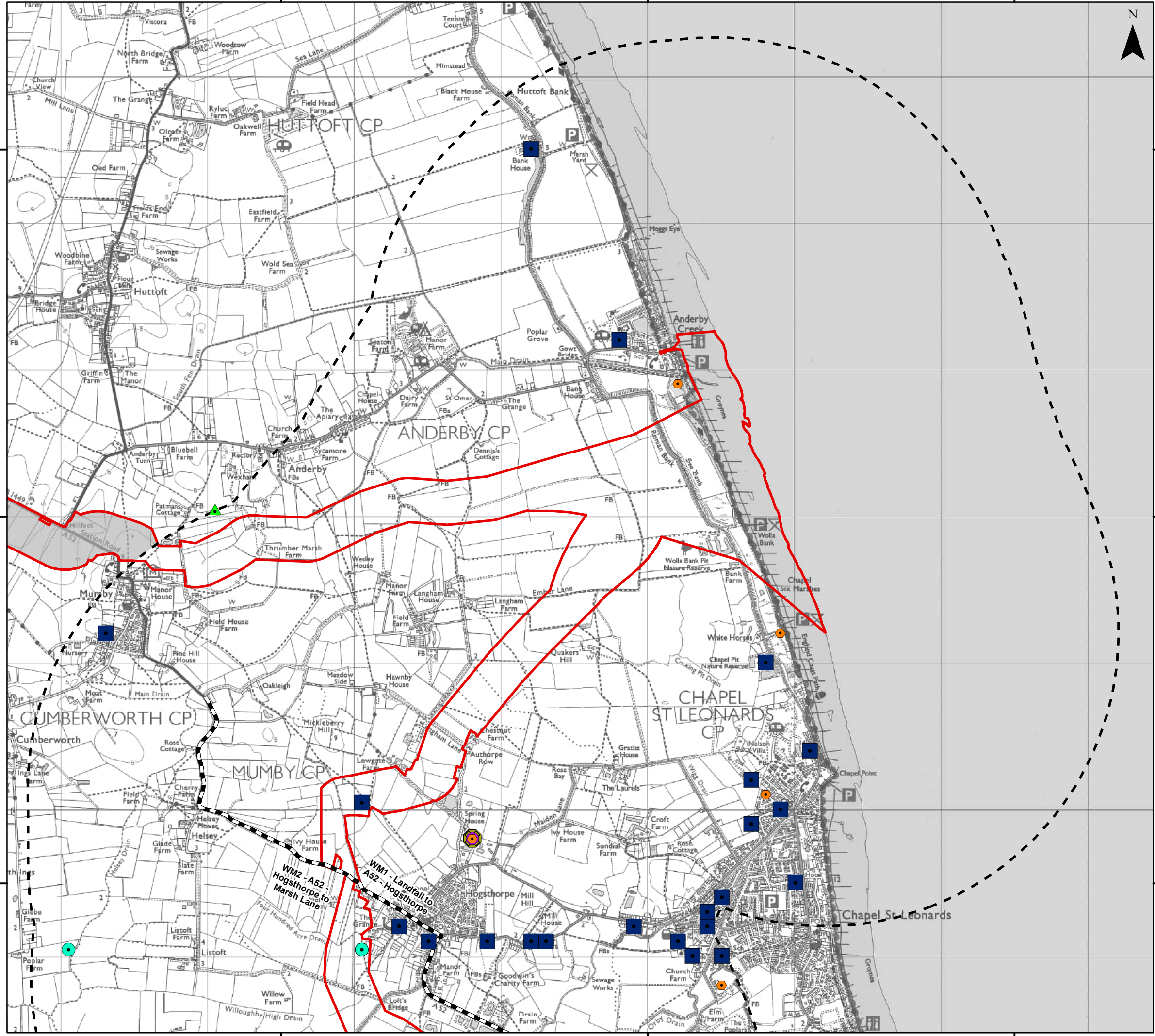
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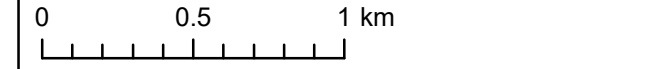
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- Common Pipistrelle
- Brown Long-eared Bat
- Pipistrelle Bat species
- Nathusius's Pipistrelle
- Bat
- Noctule Bat
- Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.1



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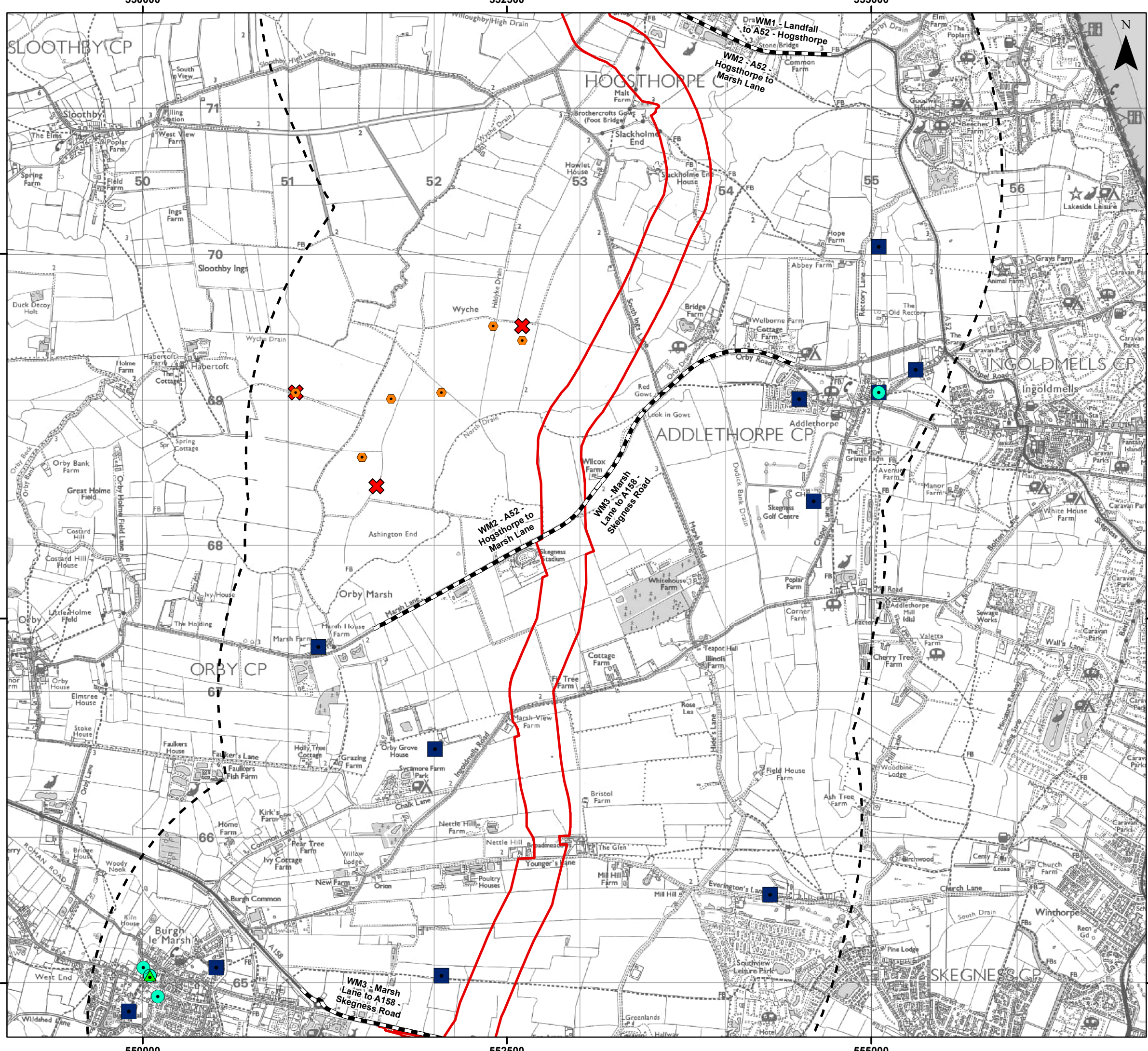
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Terrestrial Mammals**

- Common Pipistrelle
- ▲ Brown Long-eared Bat
- Pipistrelle Bat species
- Bat
- ✕ Noctule Bat

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bats  
 Figure 21.24.2

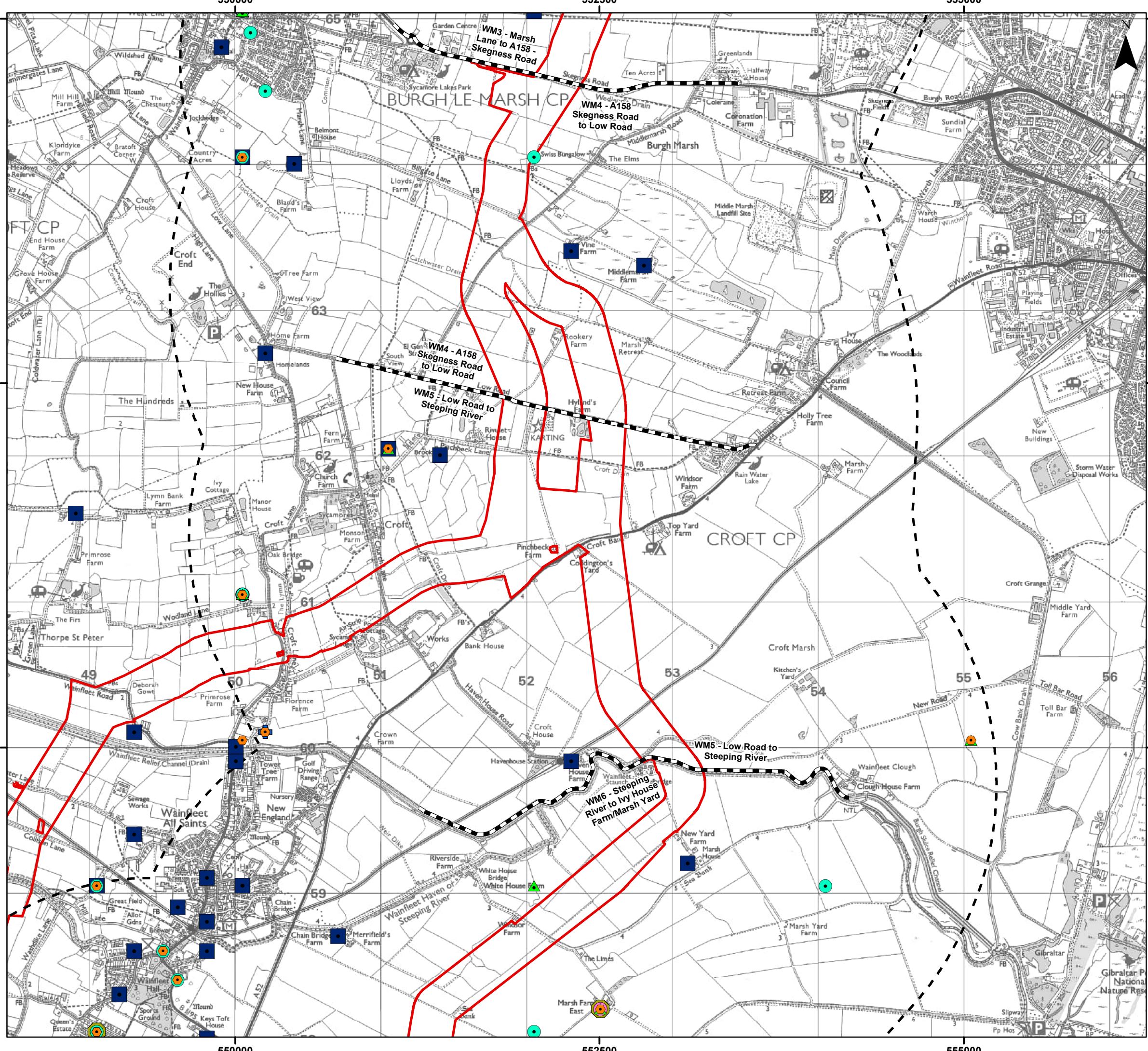


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

#### Local Records: Terrestrial Mammals (Bats)

- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- Soprano Pipistrelle

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.3

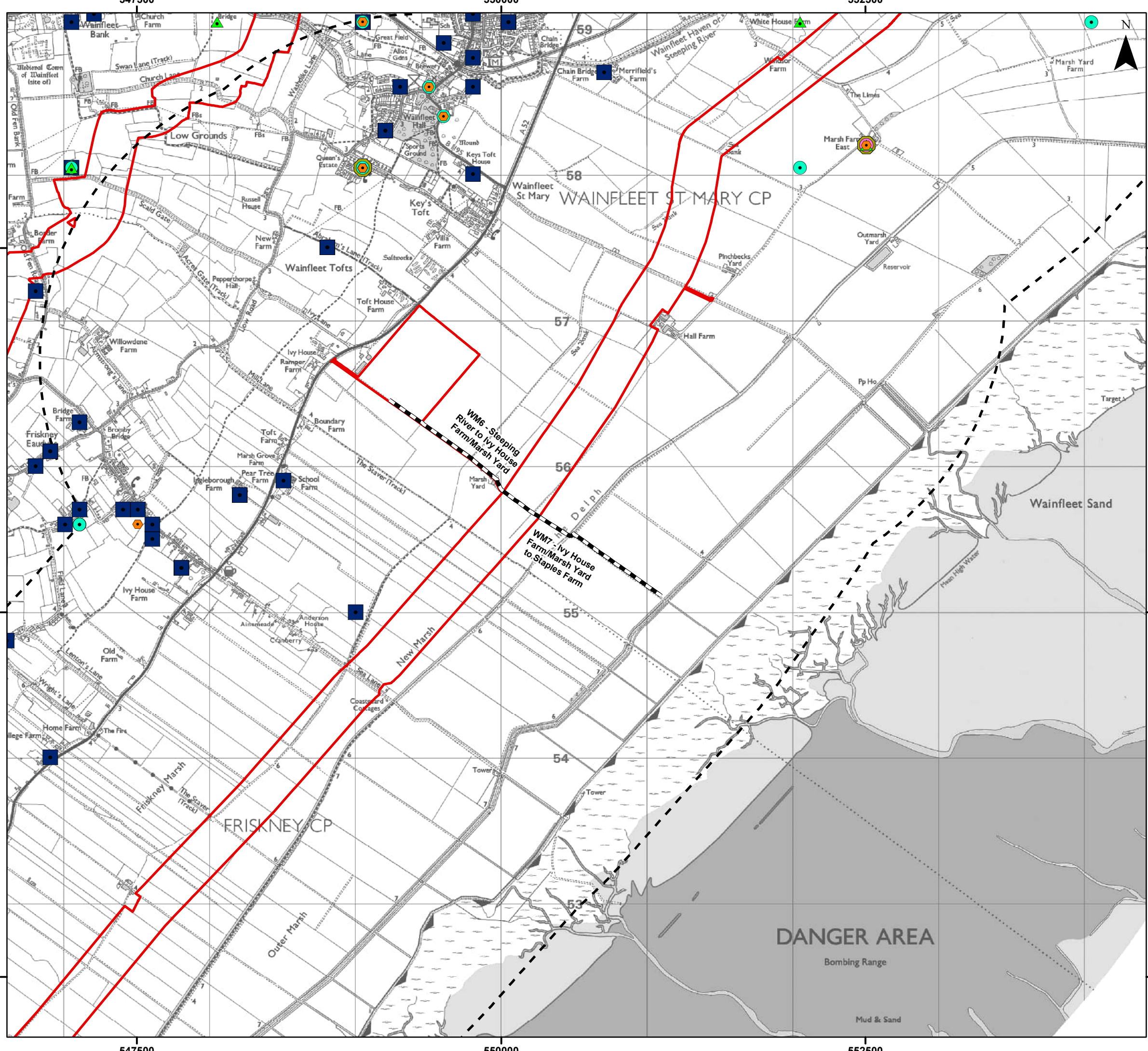


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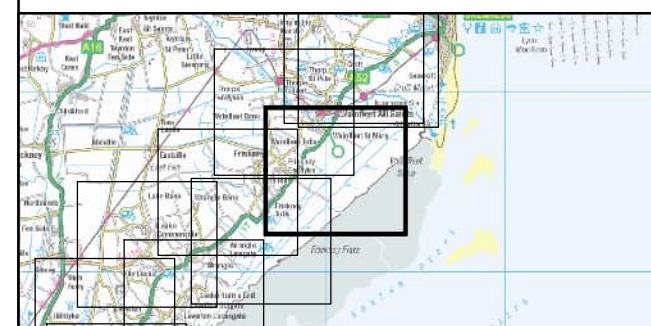
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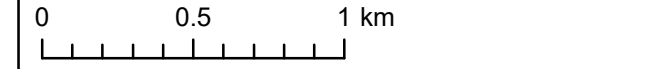
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- Soprano Pipistrelle

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.4

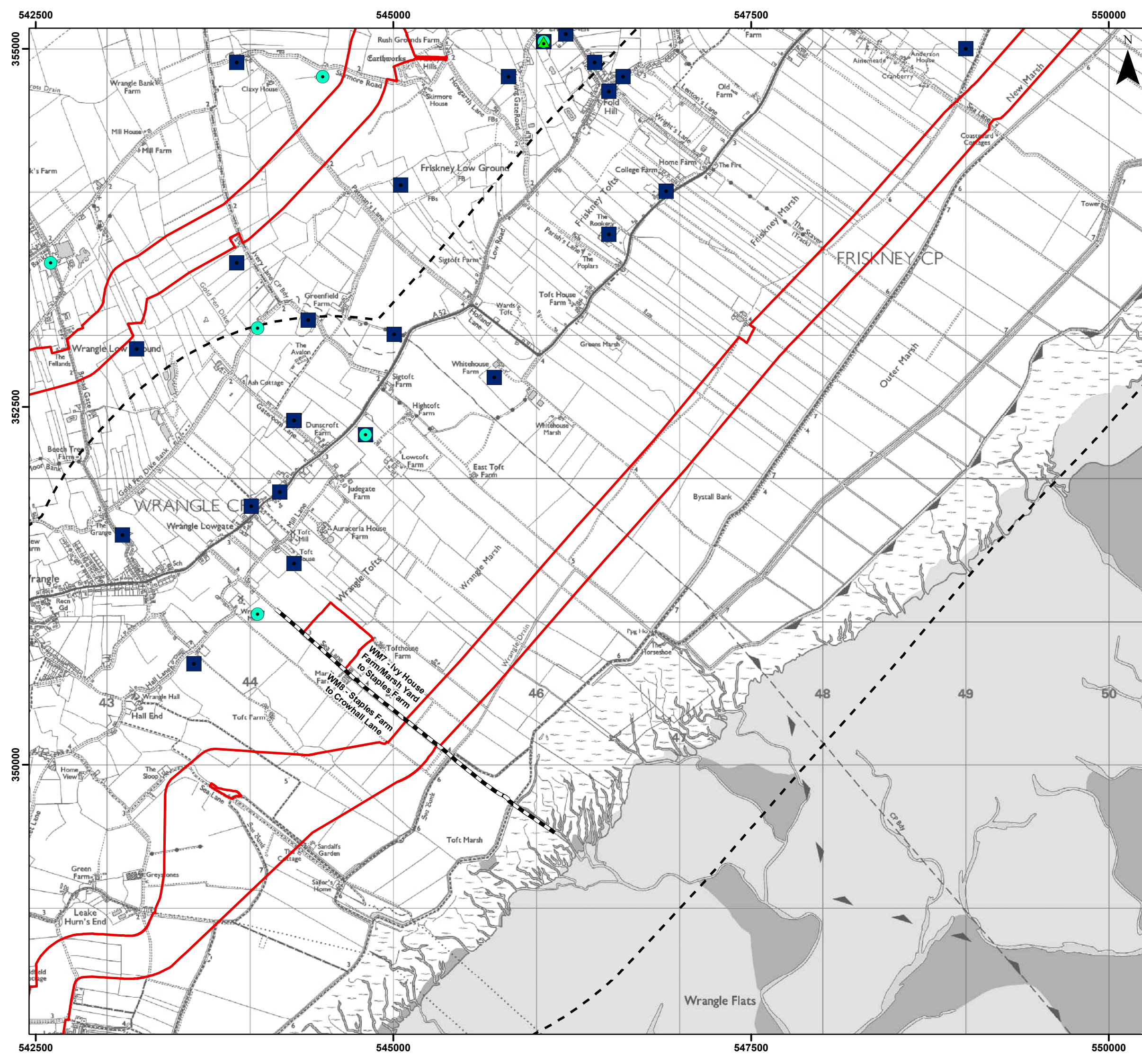


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Terrestrial Mammals (Bats)**

- ▲ Brown Long-eared Bat
- Pipistrelle Bat species
- Bat

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bats  
 Figure 21.24.5

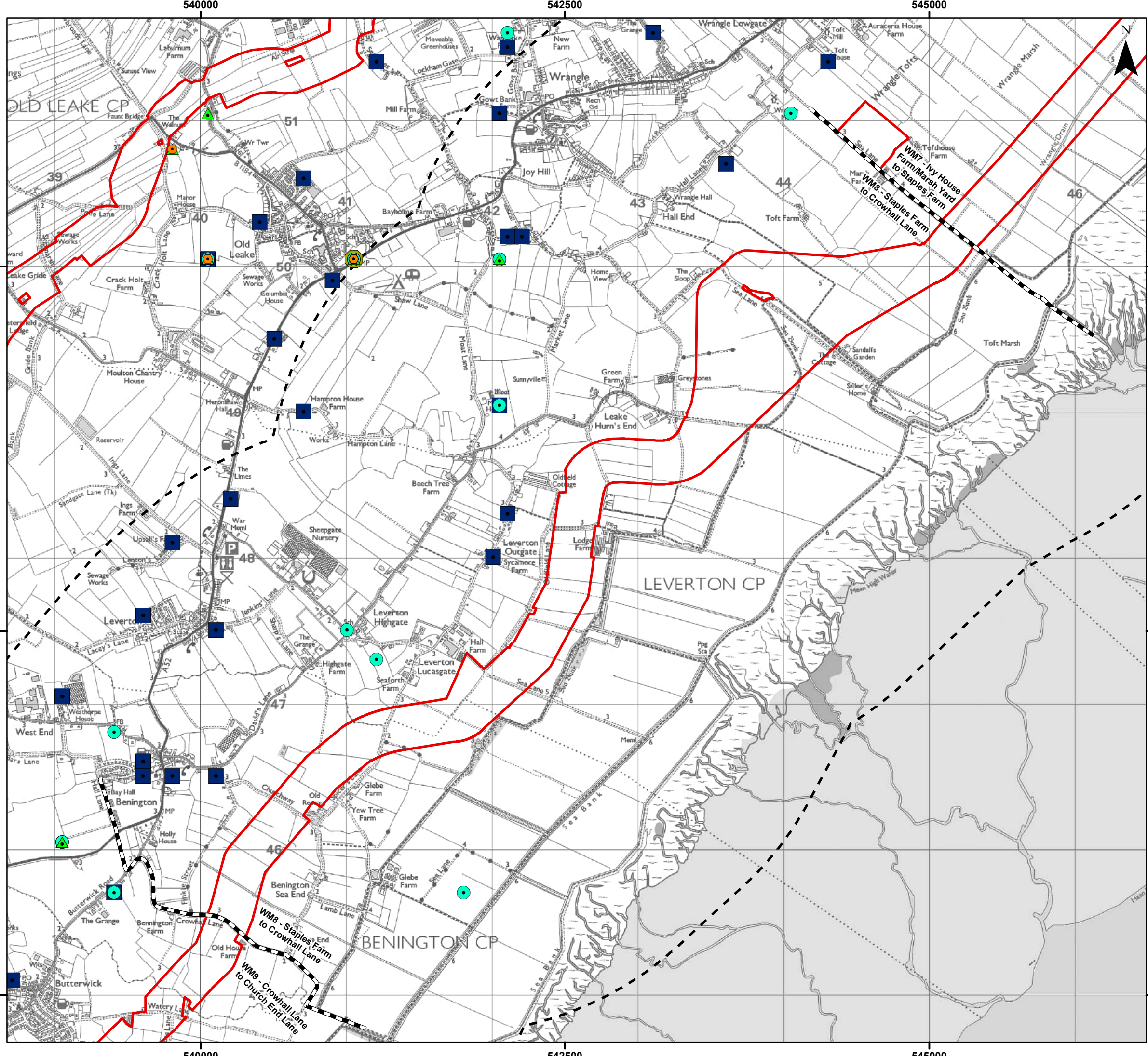


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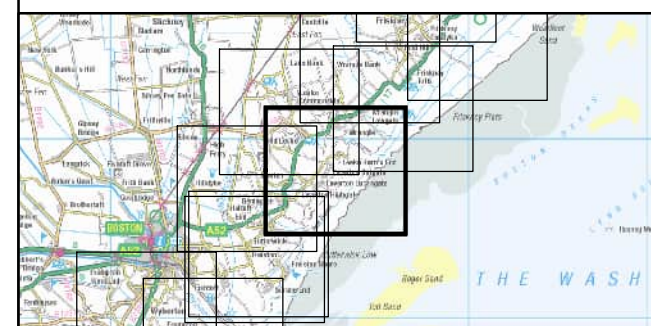
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

#### Local Records: Terrestrial Mammals (Bats)

- Common Pipistrelle
- ▲ Brown Long-eared Bat
- Pipistrelle Bat species
- Bat
- ⬡ Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.6

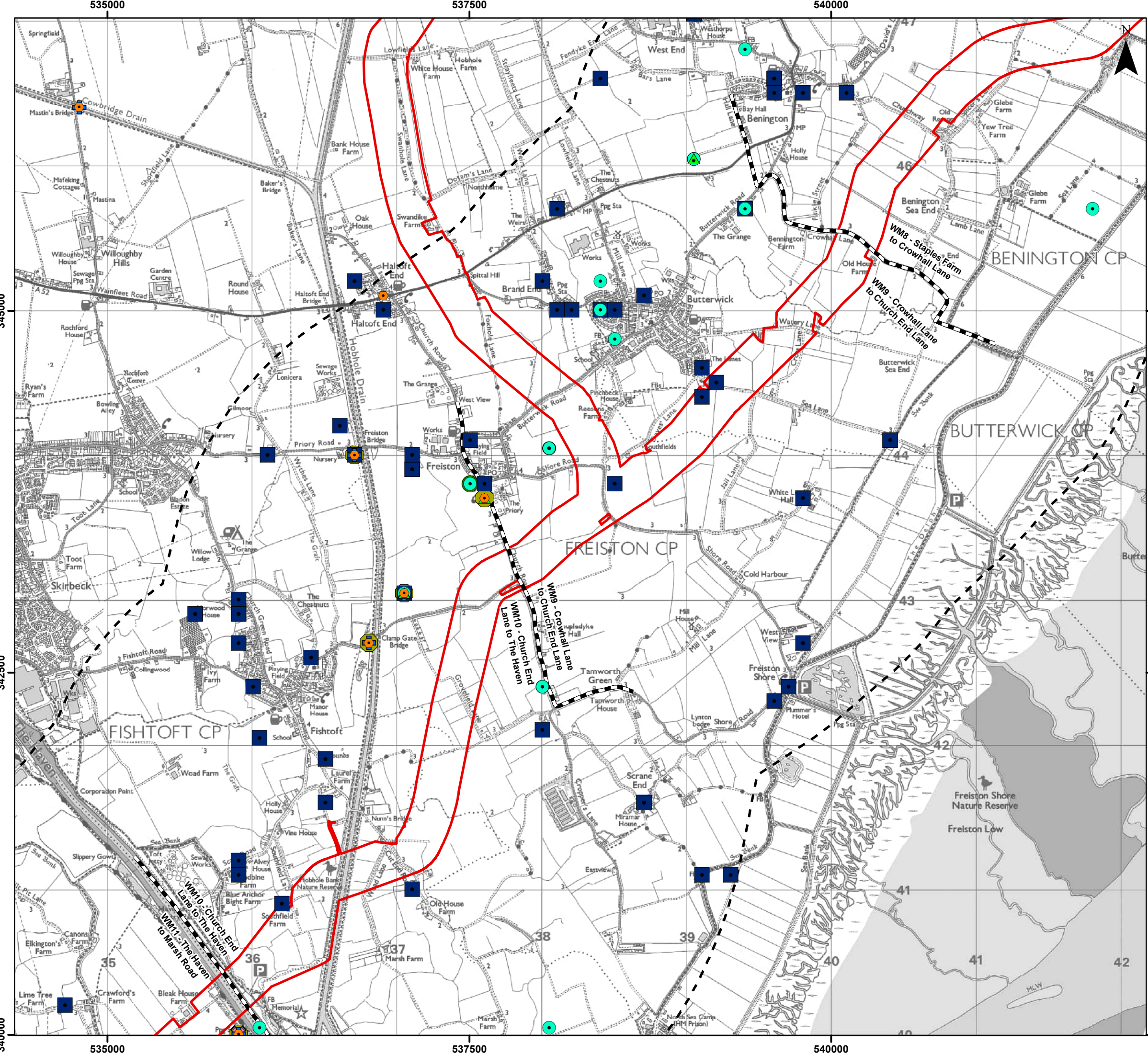


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- Pipistrelle
- × Noctule Bat
- Soprano Pipistrelle

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bats  
 Figure 21.24.7

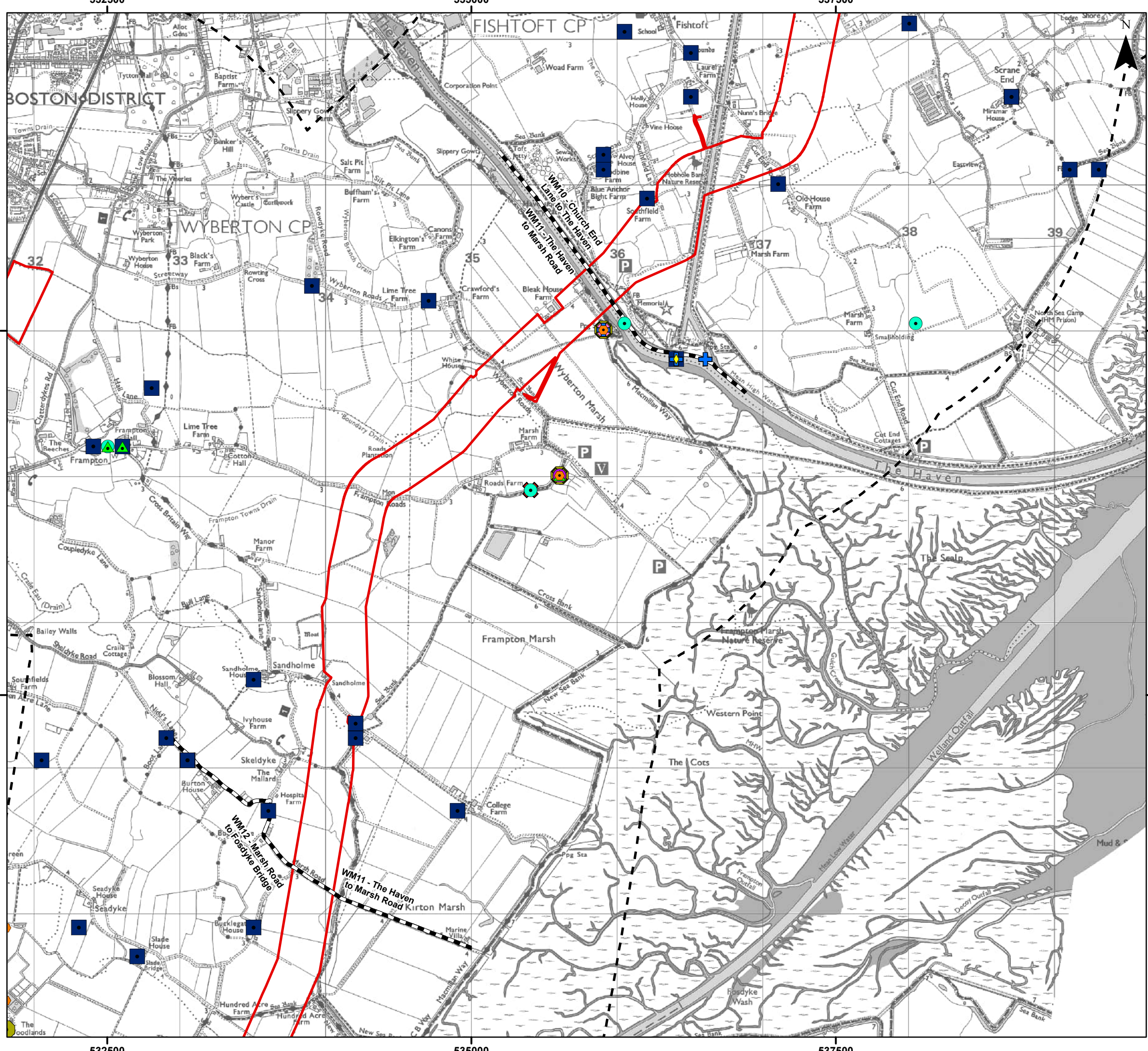


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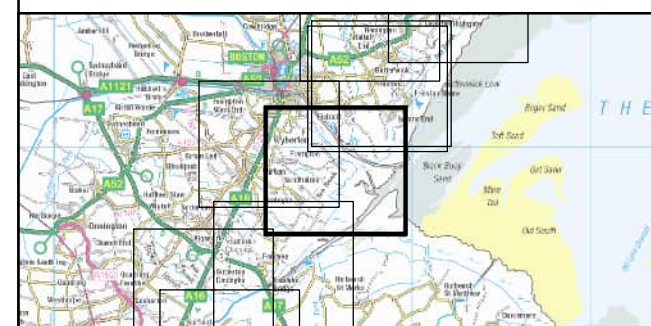
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

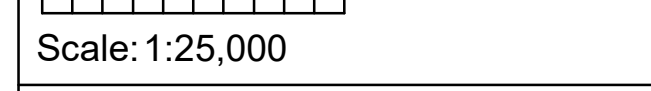
#### Local Records: Terrestrial Mammals

- ◆ Nyctalus Bat species
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Nathusius's Pipistrelle
- Myotis Bat species
- Bat
- ✕ Noctule Bat
- Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.8



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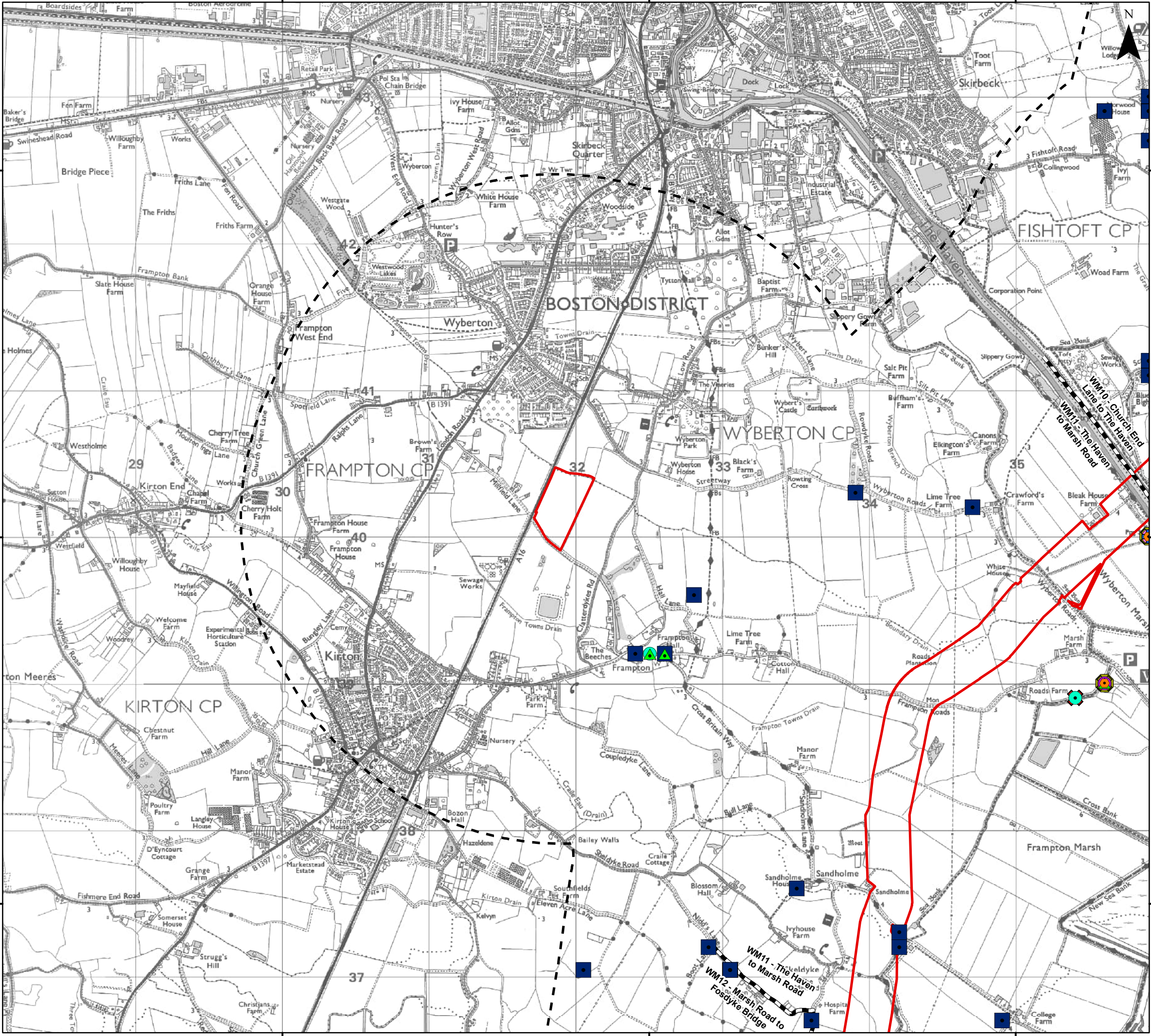
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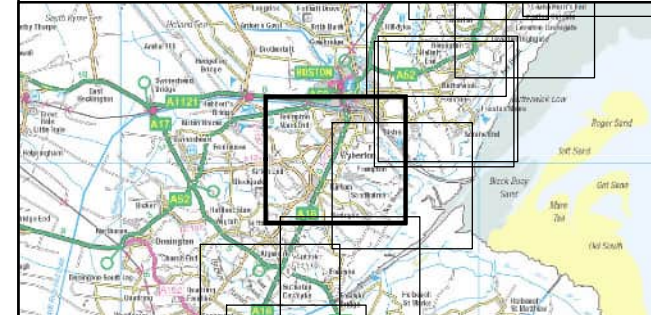
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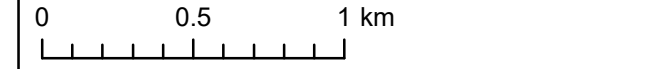
-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
-  Common Pipistrelle
-  Brown Long-eared Bat
-  Daubenton's Bat
-  Pipistrelle Bat species
-  Nathusius's Pipistrelle
-  Myotis Bat species
-  Bat
-  Noctule Bat
-  Soprano Pipistrelle



Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



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Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.9



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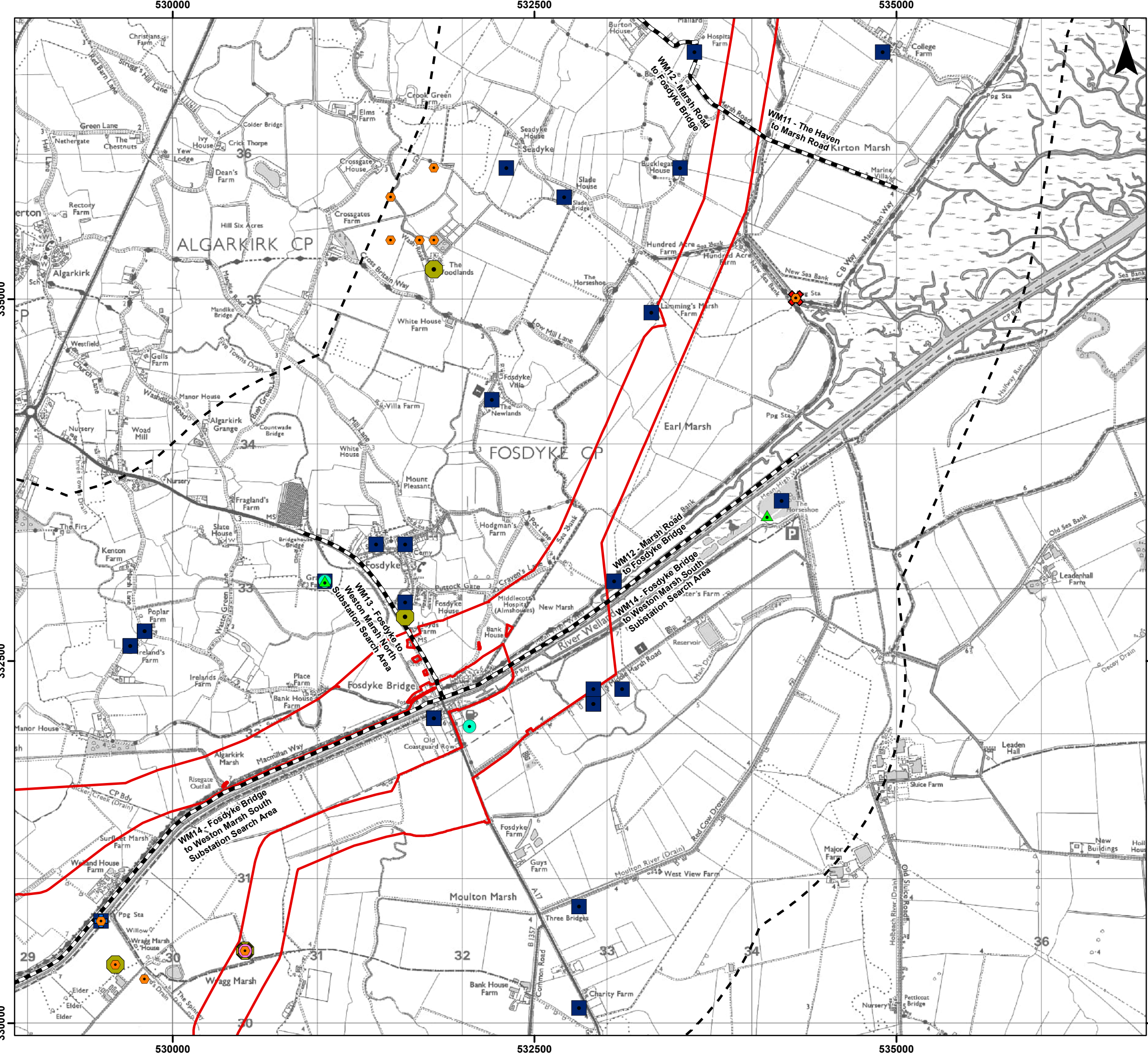
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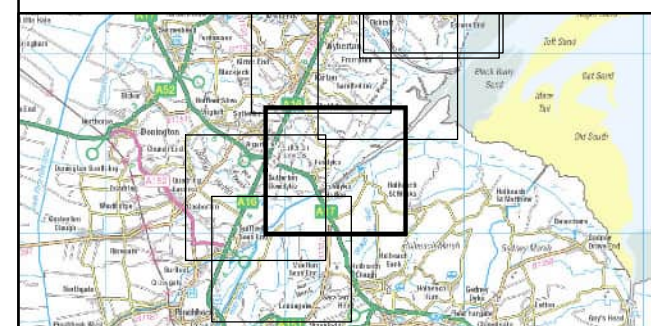
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer

**Local Records: Terrestrial Mammals (Bats)**

- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- × Noctule Bat
- ⬡ Soprano Pipistrelle

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bats  
 Figure 21.24.10

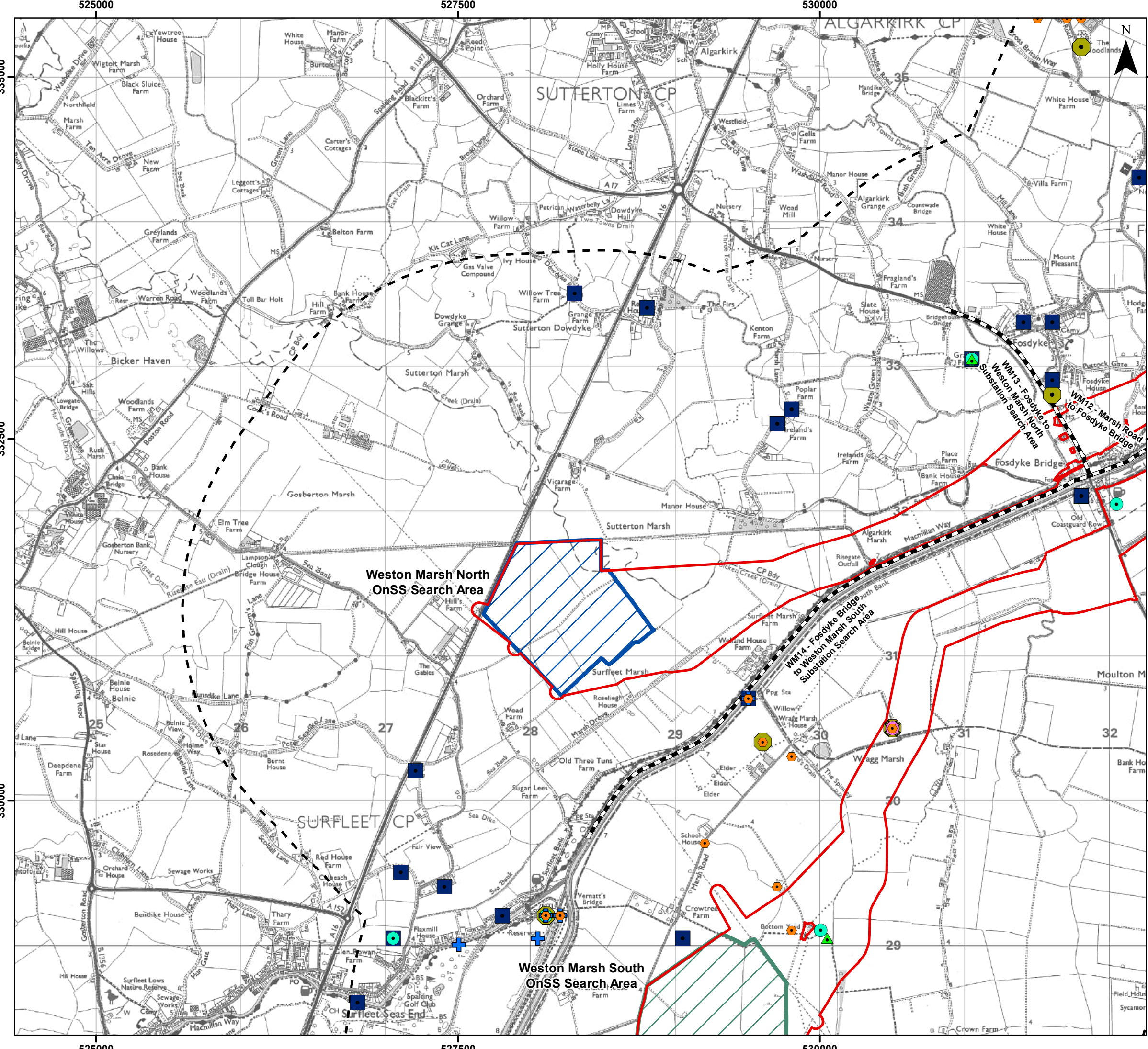


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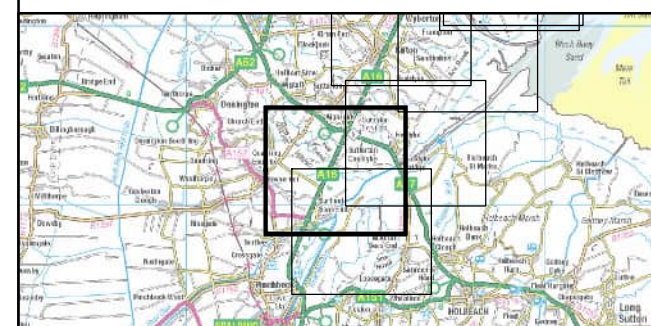
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- ### Local Records: Terrestrial Mammals (Bats)
- Common Pipistrelle
  - ▲ Brown Long-eared Bat
  - + Daubenton's Bat
  - Pipistrelle Bat species
  - Myotis Bat species
  - × Noctule Bat
  - Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.11

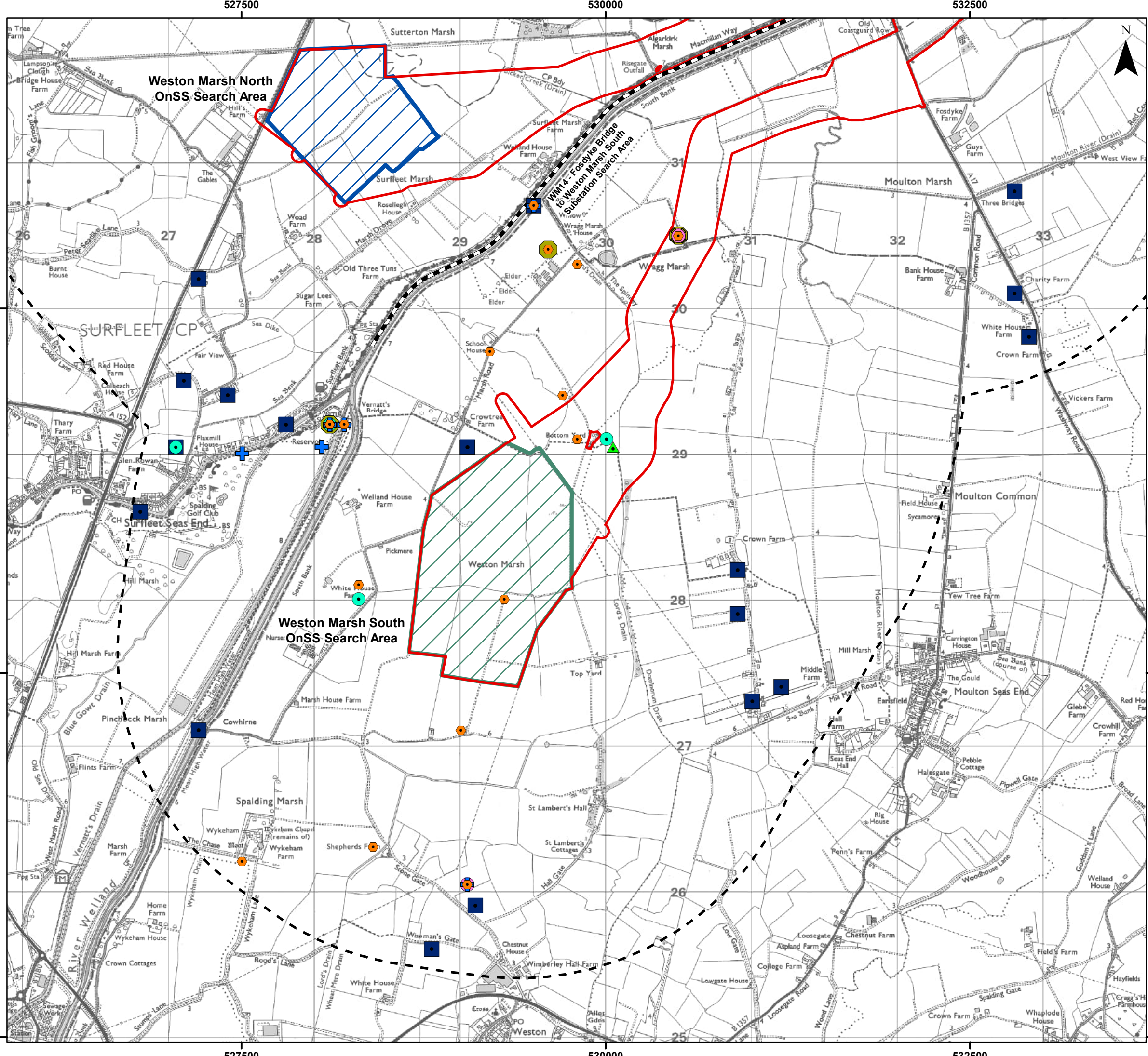


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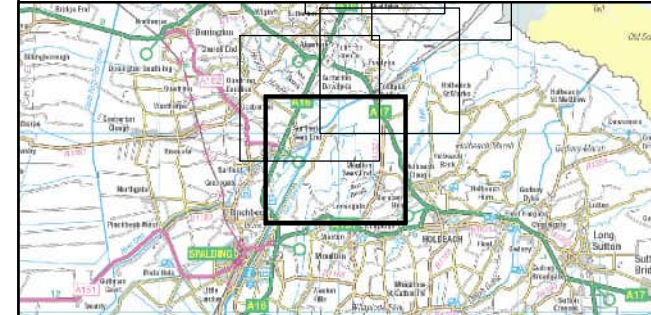
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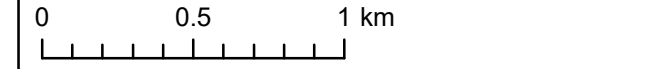
**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- Common Pipistrelle
  - ▲ Brown Long-eared Bat
  - + Daubenton's Bat
  - Pipistrelle Bat species
  - Myotis Bat species
  - Bat
  - × Noctule Bat
  - ⬡ Soprano Pipistrelle

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

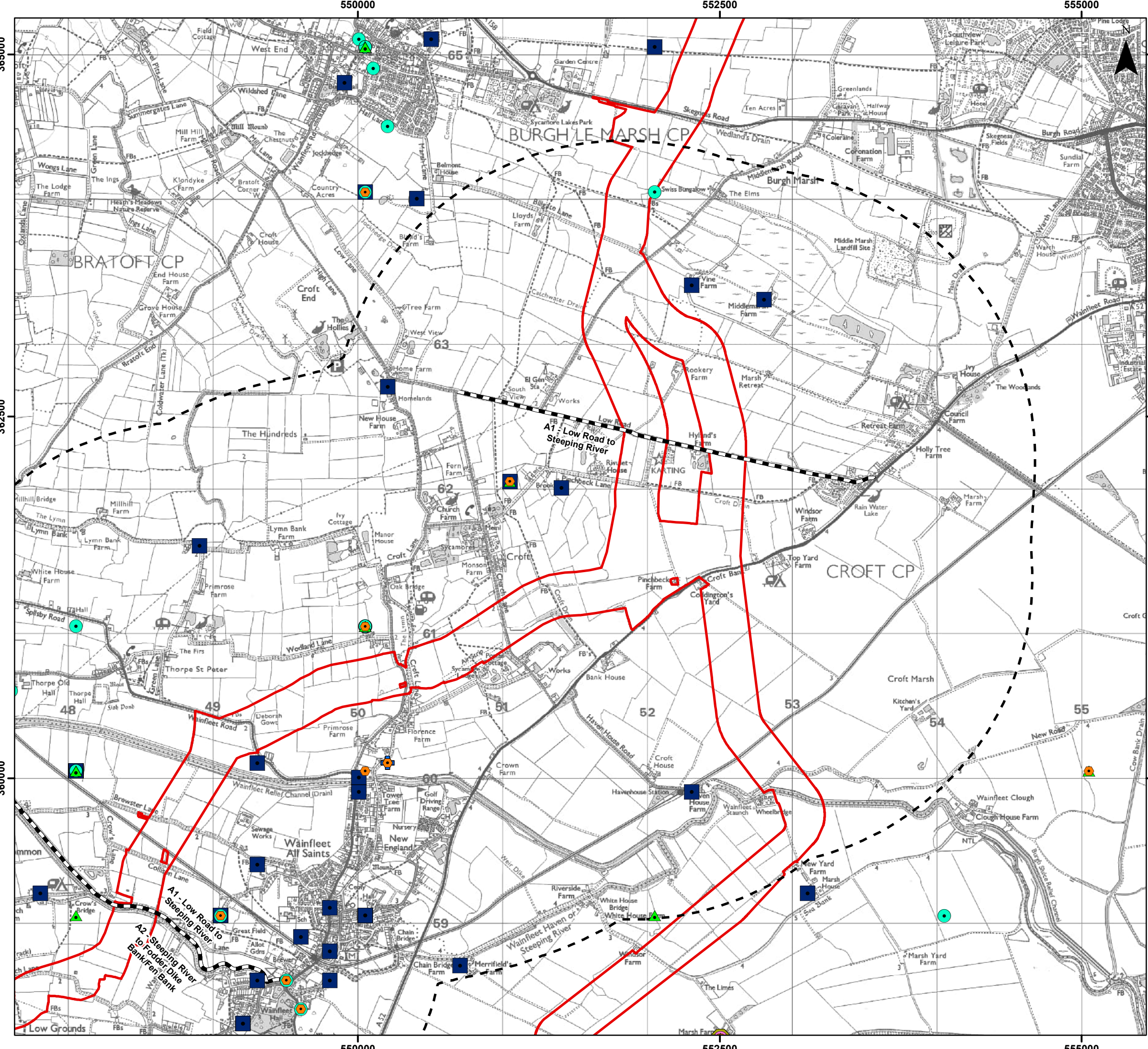
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.12



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

#### Local Records: Terrestrial Mammals (Bats)

- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- ⬡ Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



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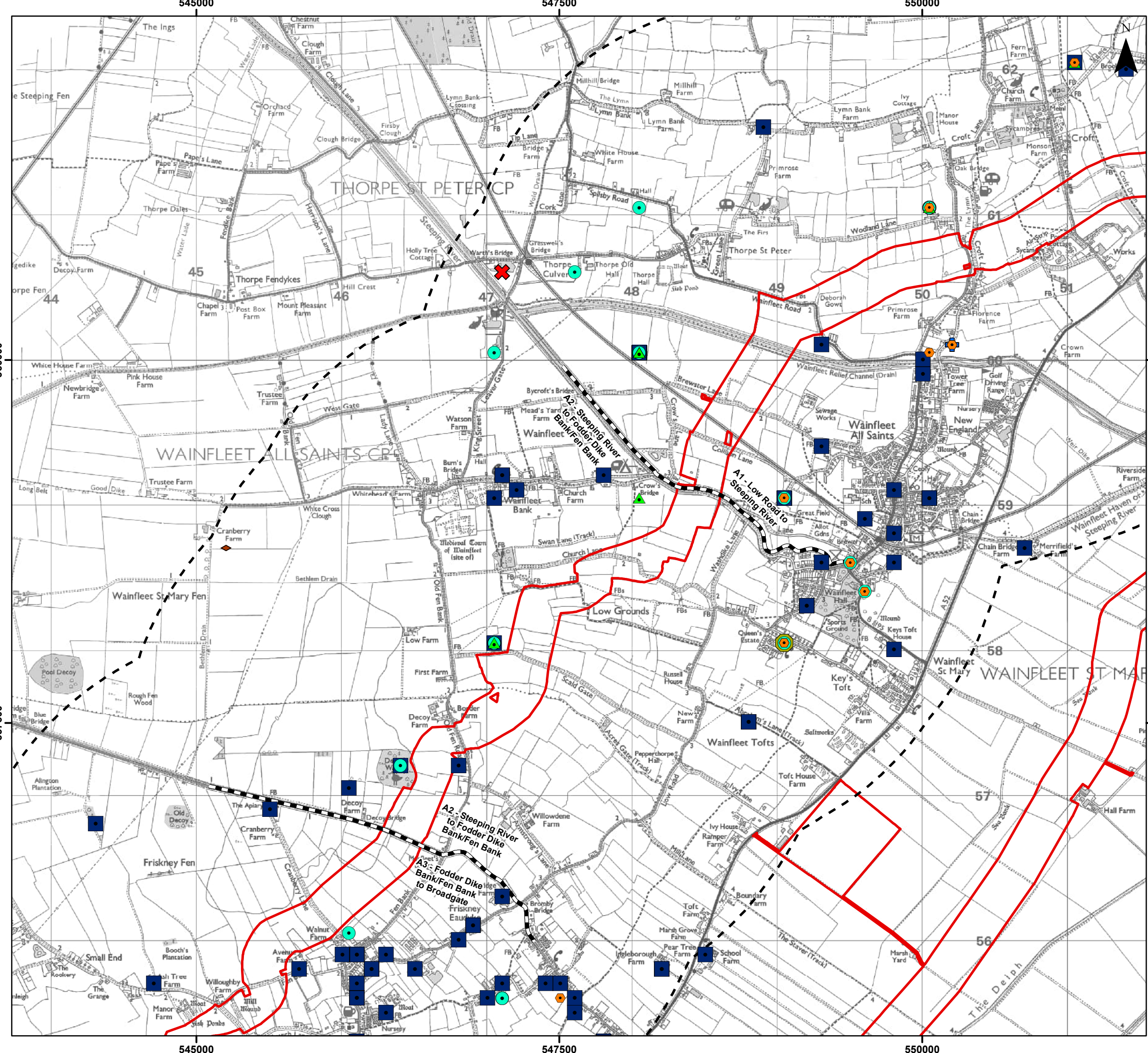
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bats  
 Figure 21.24.13



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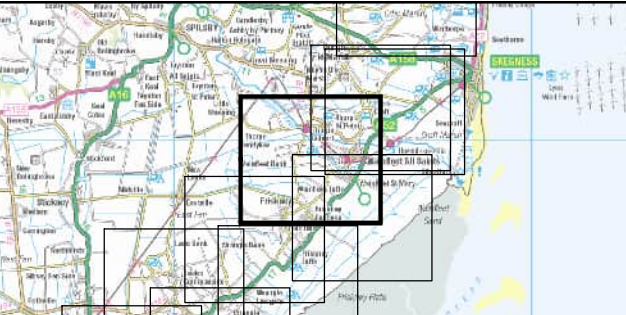
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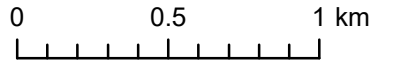
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- ◆ Western Barbastelle
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- ✕ Noctule Bat
- Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.14



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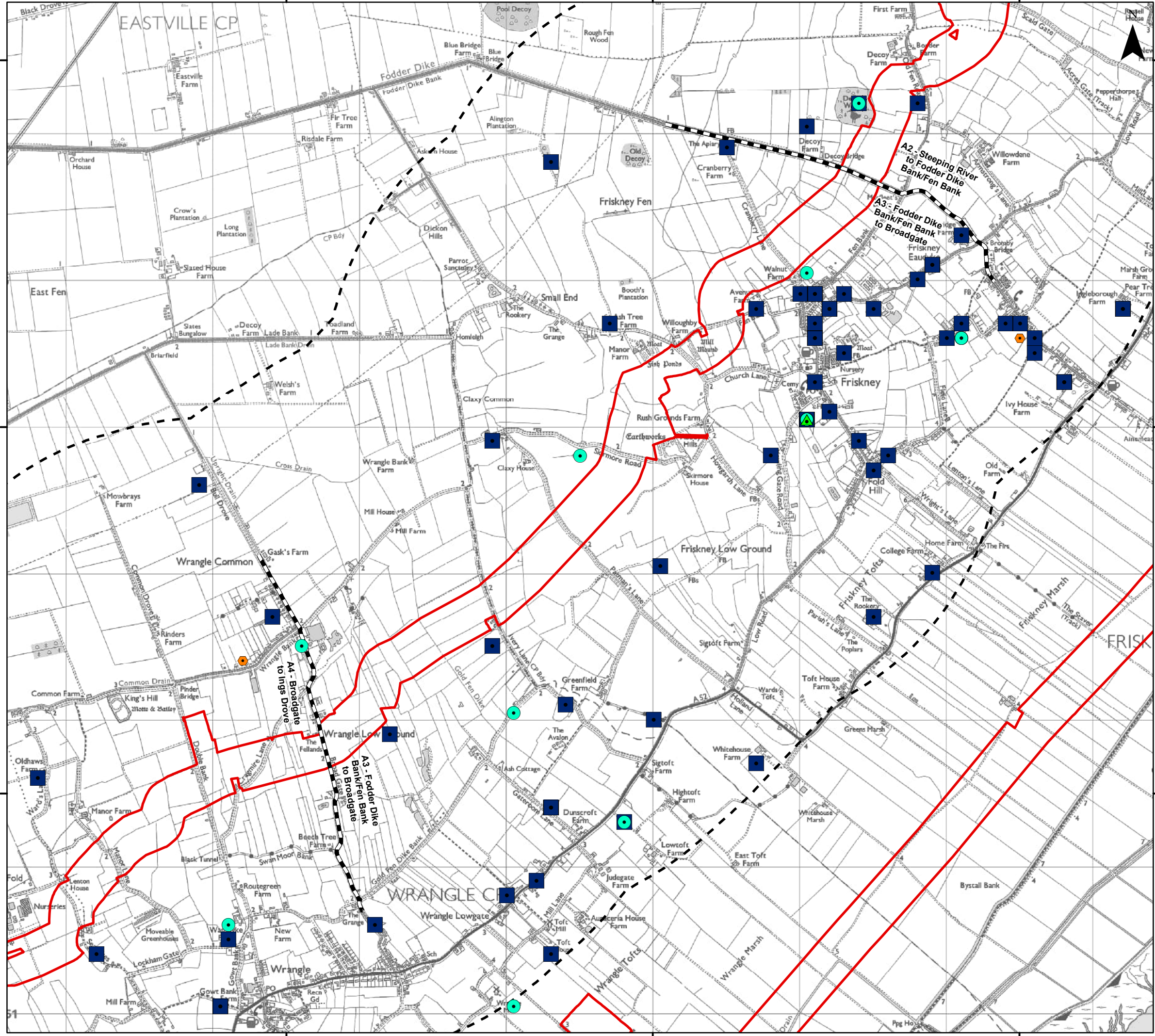
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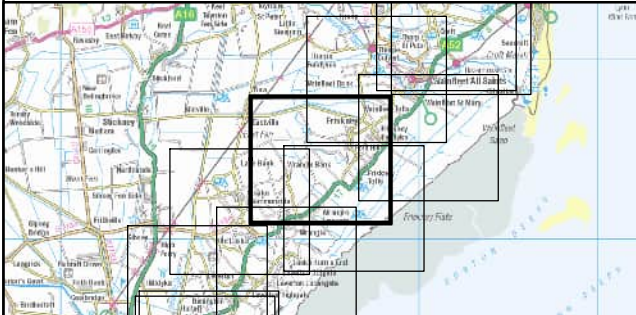
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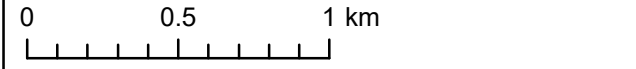
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- Pipistrelle Bat species
- Bat
- ✕ Noctule Bat

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.15



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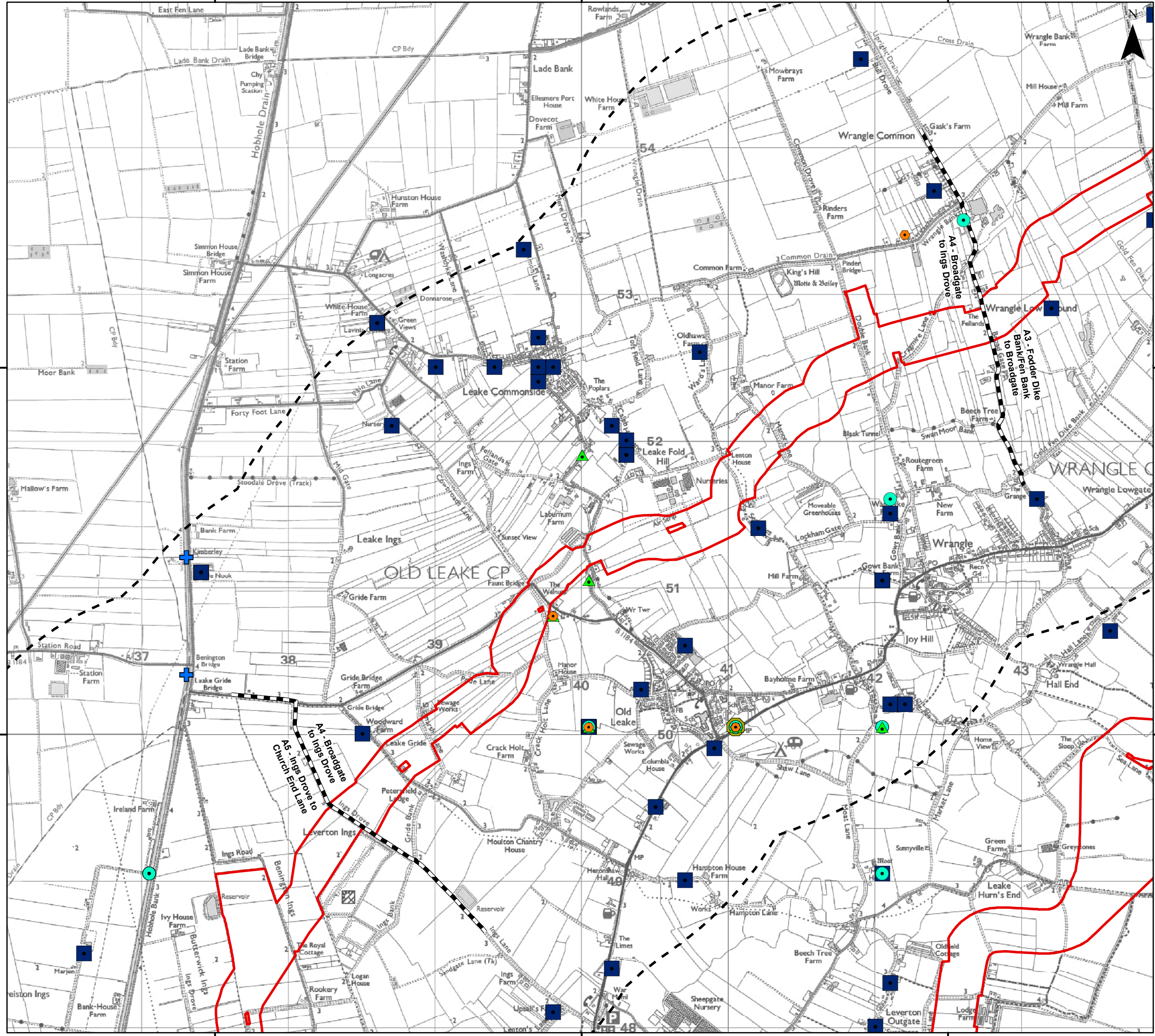
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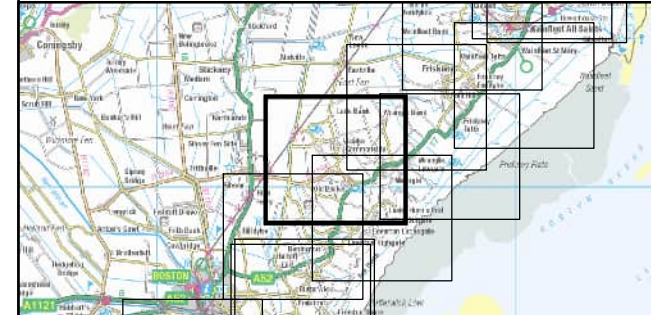
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer
- Local Records: Terrestrial Mammals (Bats)**
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Bat
- ⬡ Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.16

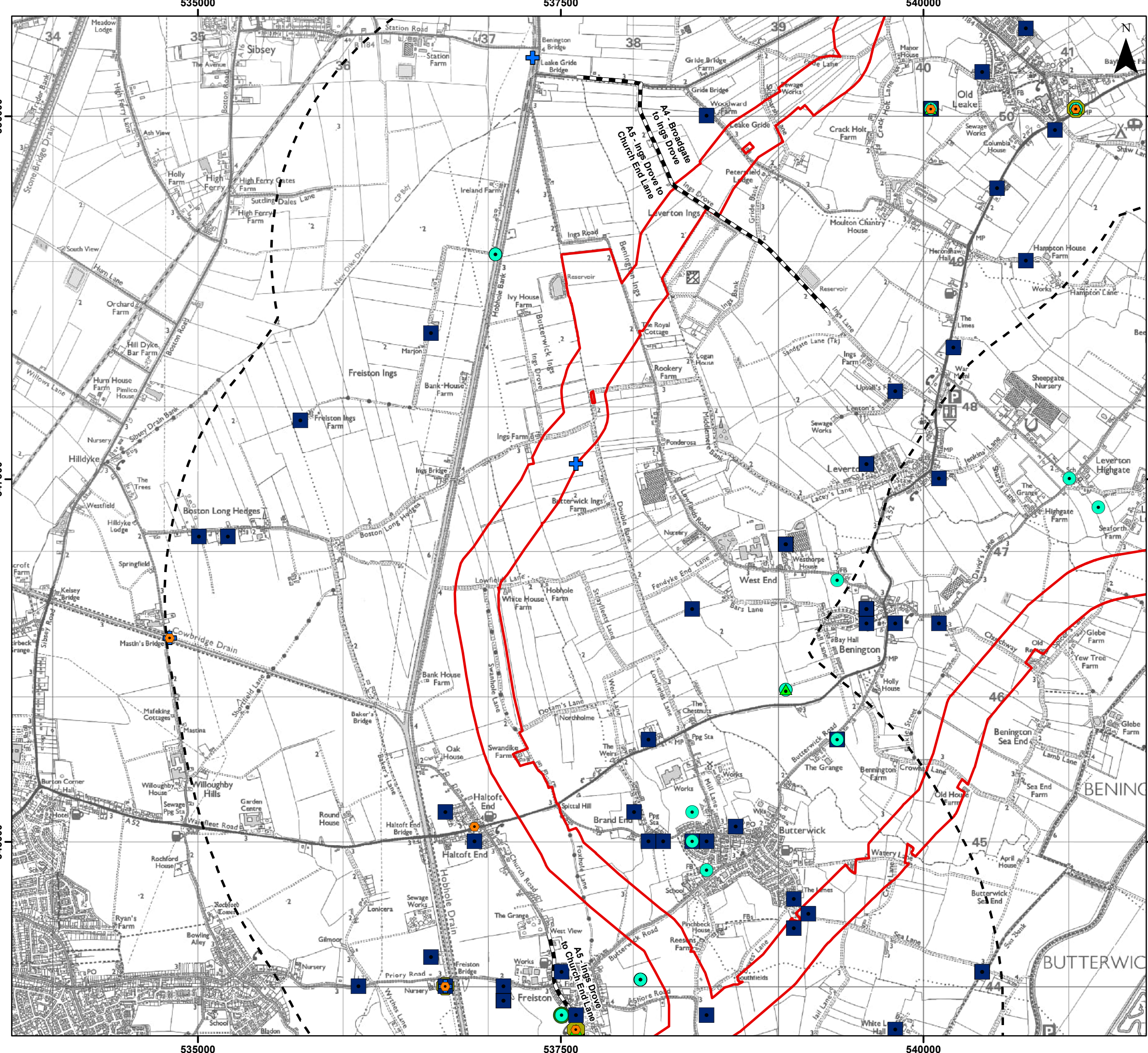


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

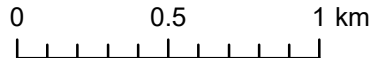
**Local Records: Terrestrial Mammals (Bats)**

- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Bat
- Pipistrelle
- Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

**Preliminary Environmental Information Report**

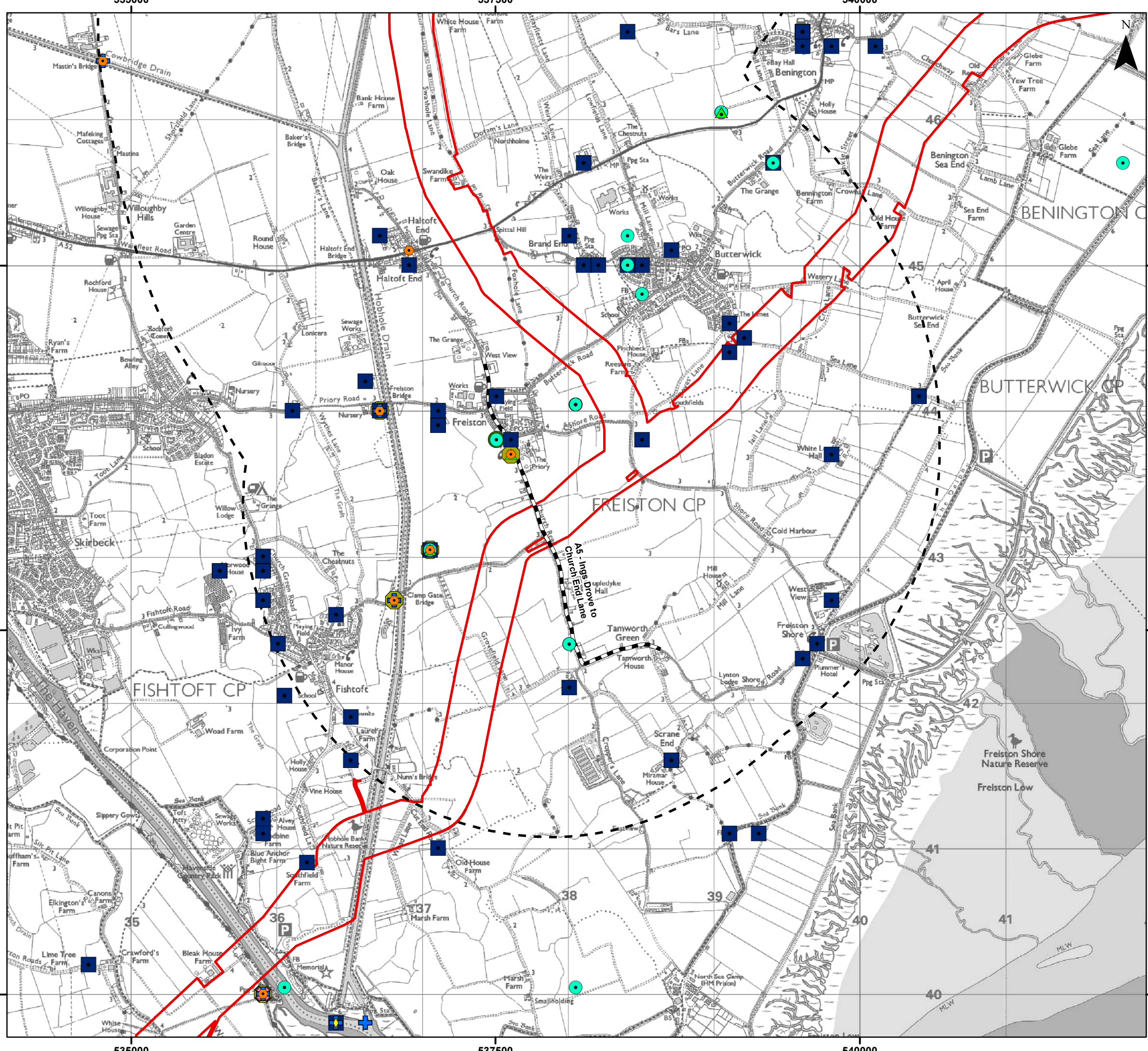
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bats  
Figure 21.24.17



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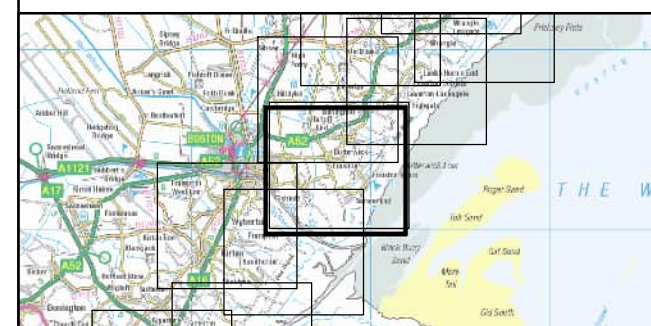
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 2 km Buffer

#### Local Records: Terrestrial Mammals

- ◆ Nyctalus Bat species
- Common Pipistrelle
- ▲ Brown Long-eared Bat
- + Daubenton's Bat
- Pipistrelle Bat species
- Myotis Bat species
- Bat
- Pipistrelle
- × Noctule Bat
- Soprano Pipistrelle

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bats  
 Figure 21.24.18

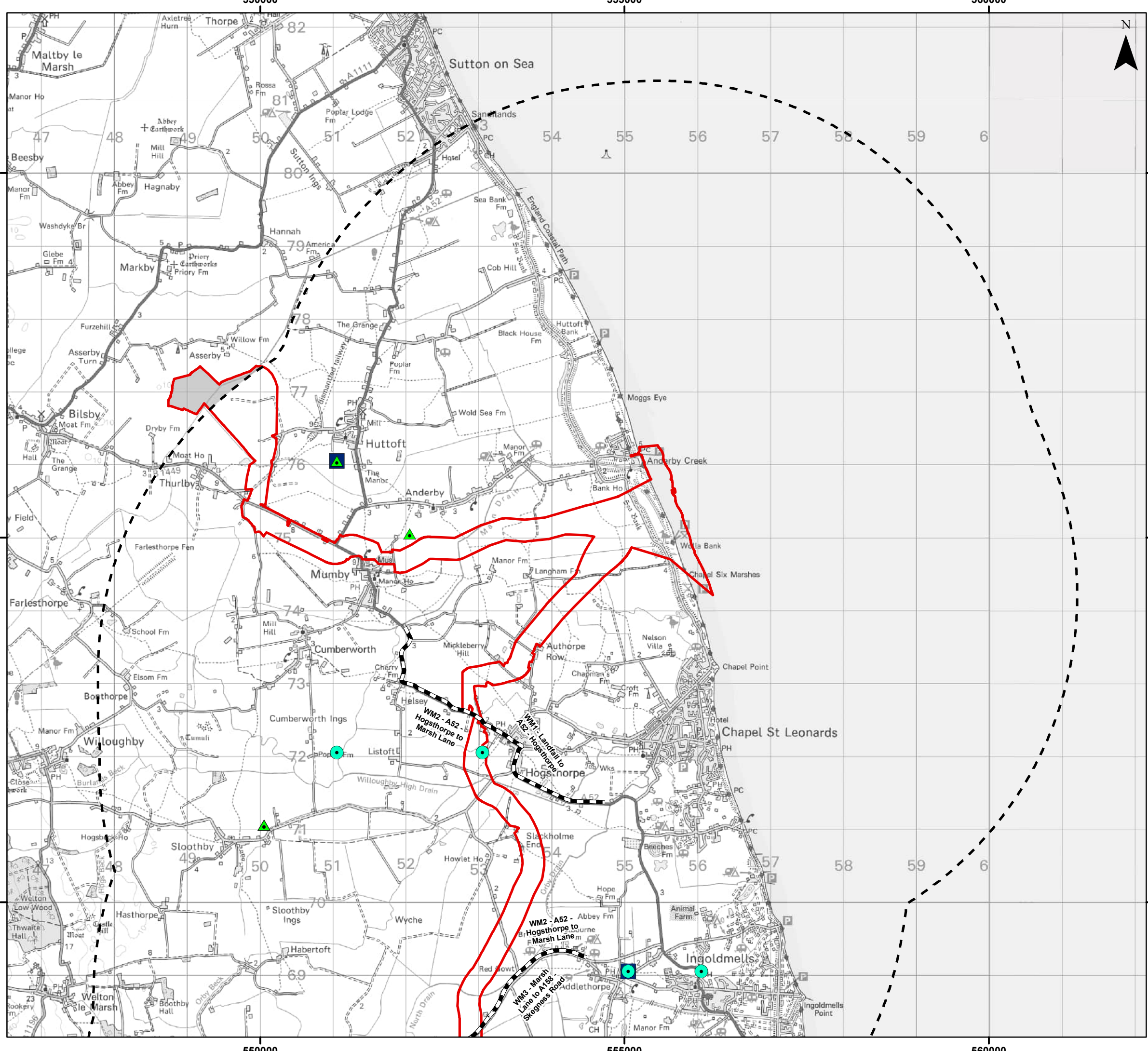




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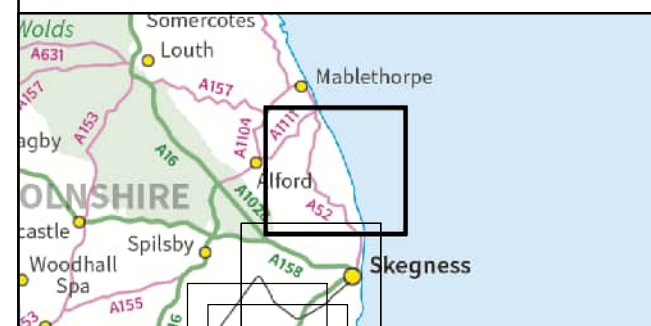
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 5 km Buffer

#### Local Records: Terrestrial Mammals (Bat Roosts)

- ▲ Brown Long-eared Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:50,000

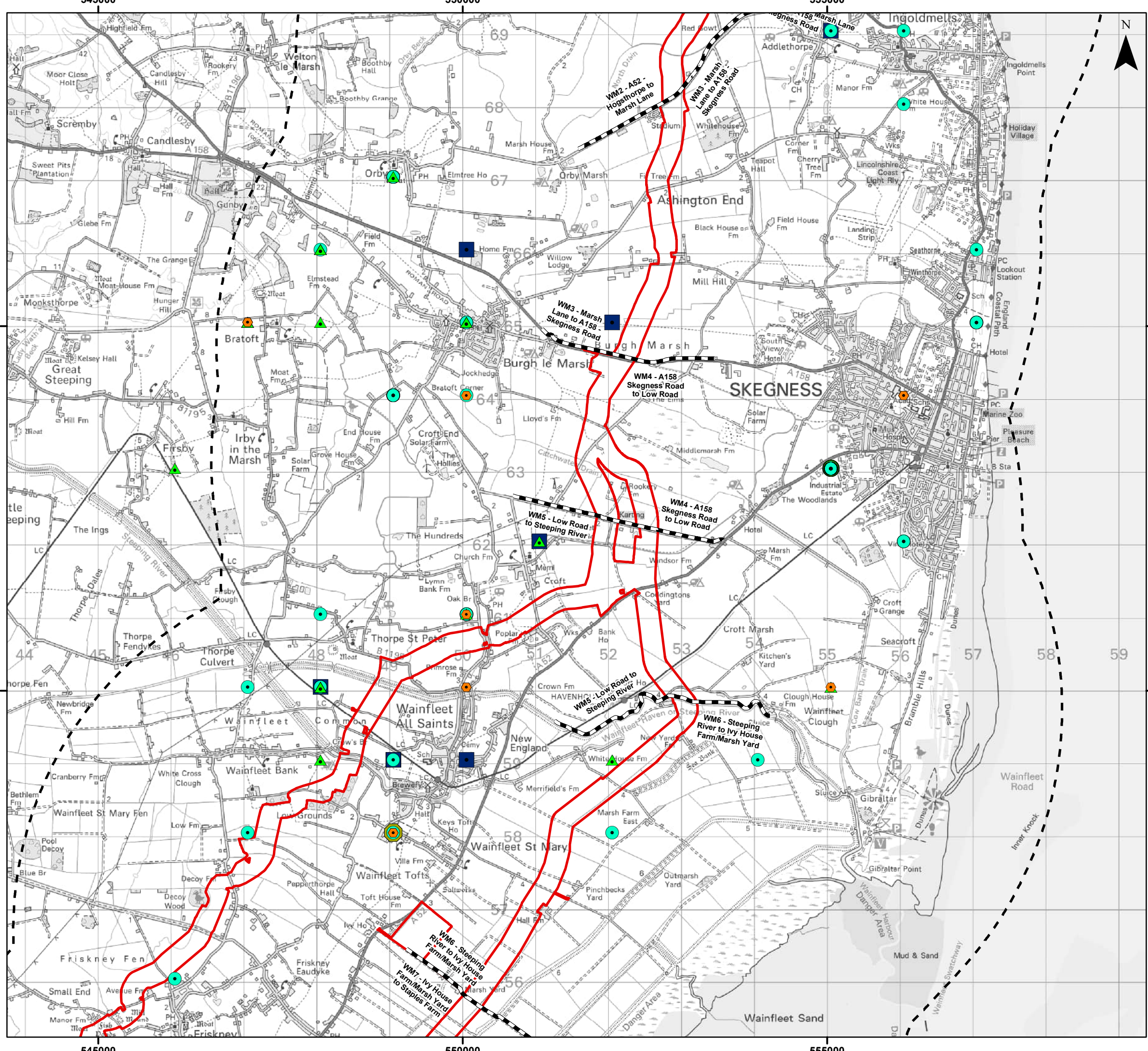
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 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.1



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 5 km Buffer

#### Local Records: Terrestrial Mammals (Bat Roosts)

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost
- Pipistrelle Roost
- Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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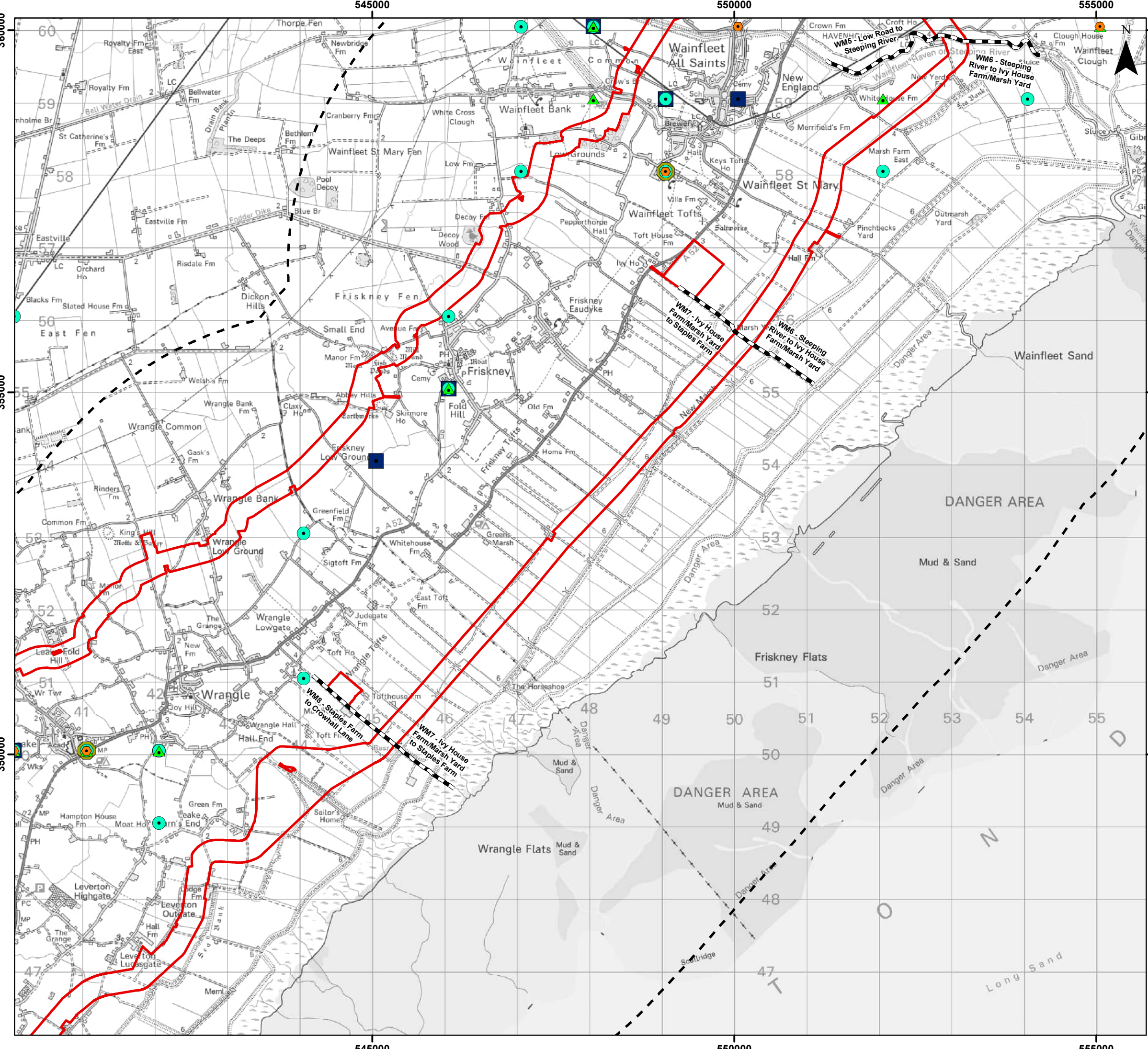
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.2



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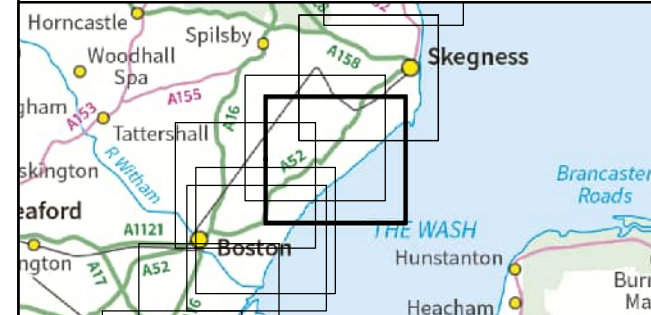
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 5 km Buffer
- #### Local Records: Terrestrial Mammals (Bat Roosts)
- Common Pipistrelle Roost
  - ▲ Brown Long-eared Bat Roost
  - Pipistrelle Bat species Roost
  - Bat Roost
  - Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)

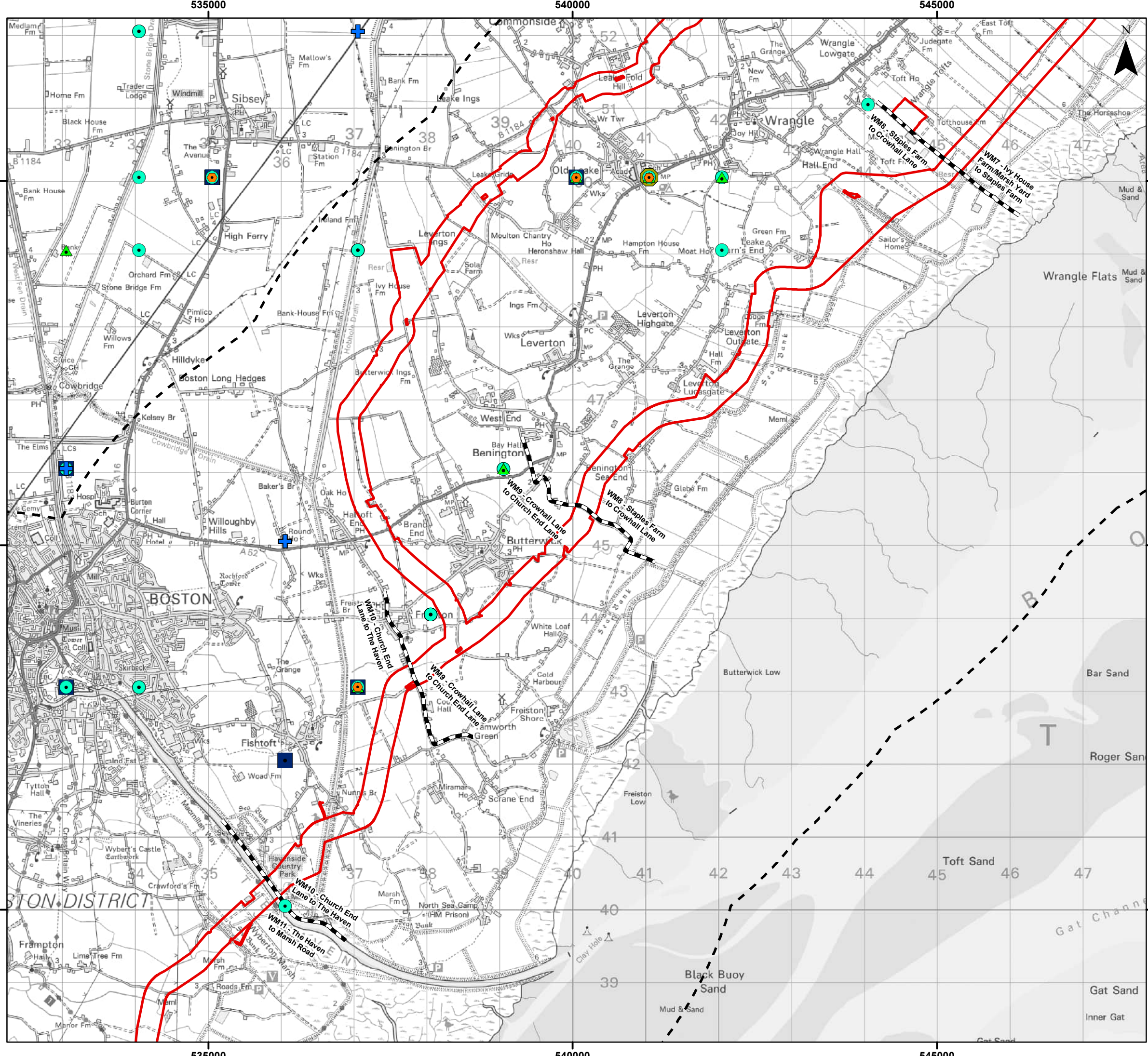


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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.3



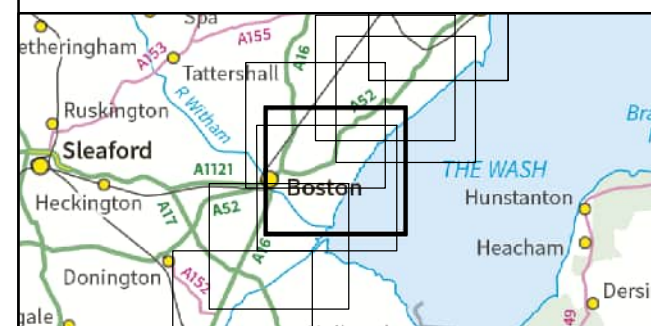
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 5 km Buffer
- Local Records: Terrestrial Mammals (Bat Roosts)**
- Common Pipistrelle Roost
  - ▲ Brown Long-eared Bat Roost
  - + Daubenton's Bat Roost
  - Pipistrelle Bat species Roost
  - Bat Roost
  - Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:50,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.4

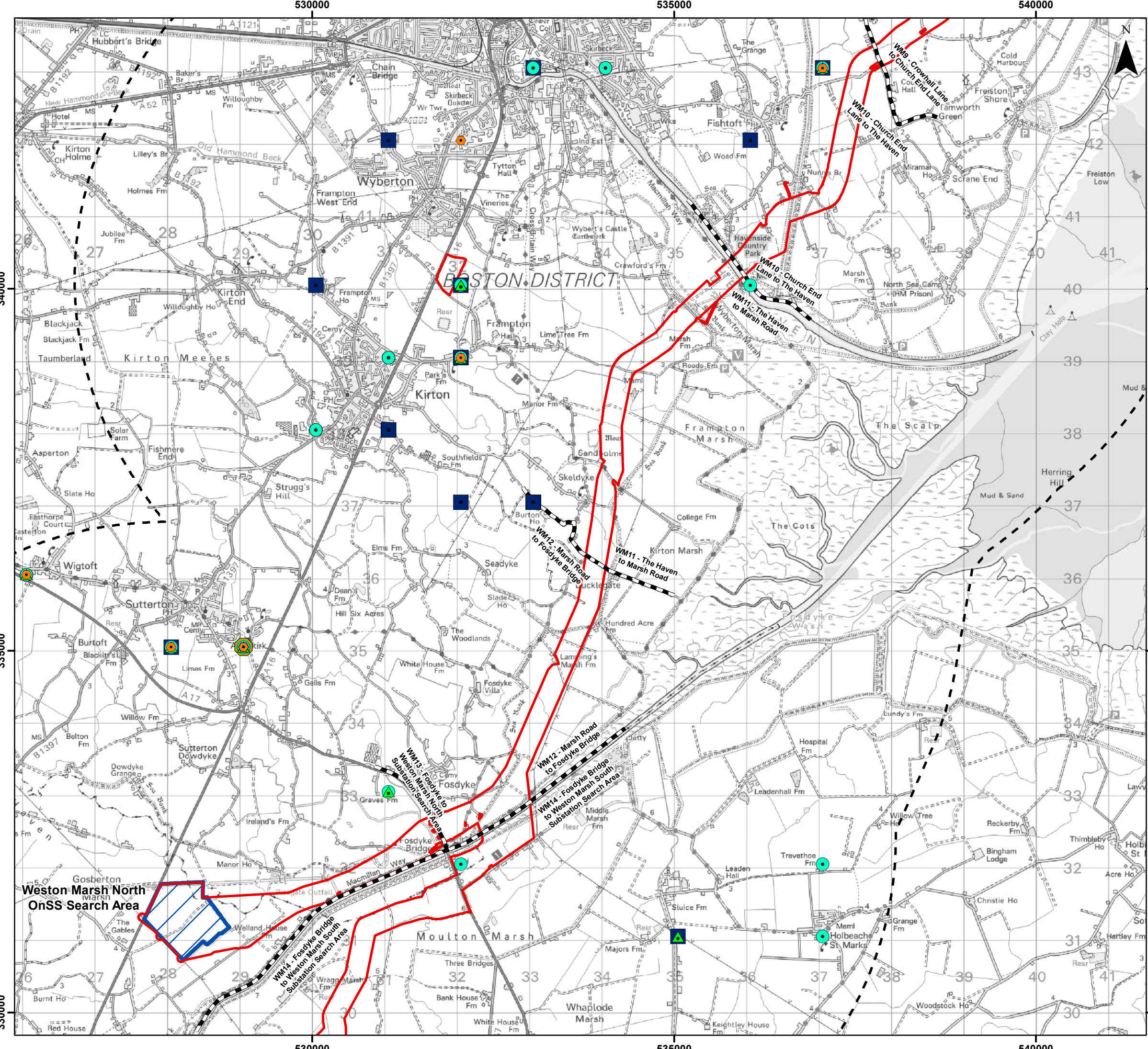


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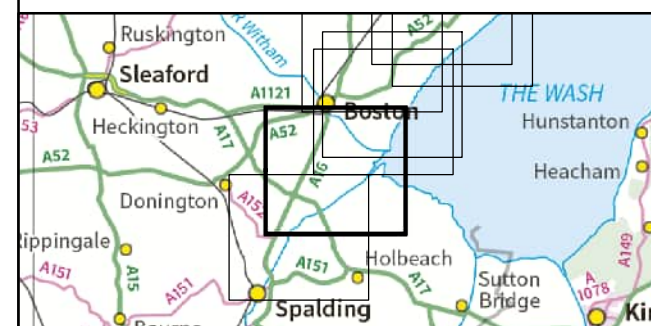
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Onshore PEIR Boundary Weston Marsh (via South of the A52) 5 km Buffer
- #### Local Records: Terrestrial Mammals (Bat Roosts)
- Common Pipistrelle Roost
  - ▲ Brown Long-eared Bat Roost
  - Pipistrelle Bat species Roost
  - Bat Roost
  - ⬡ Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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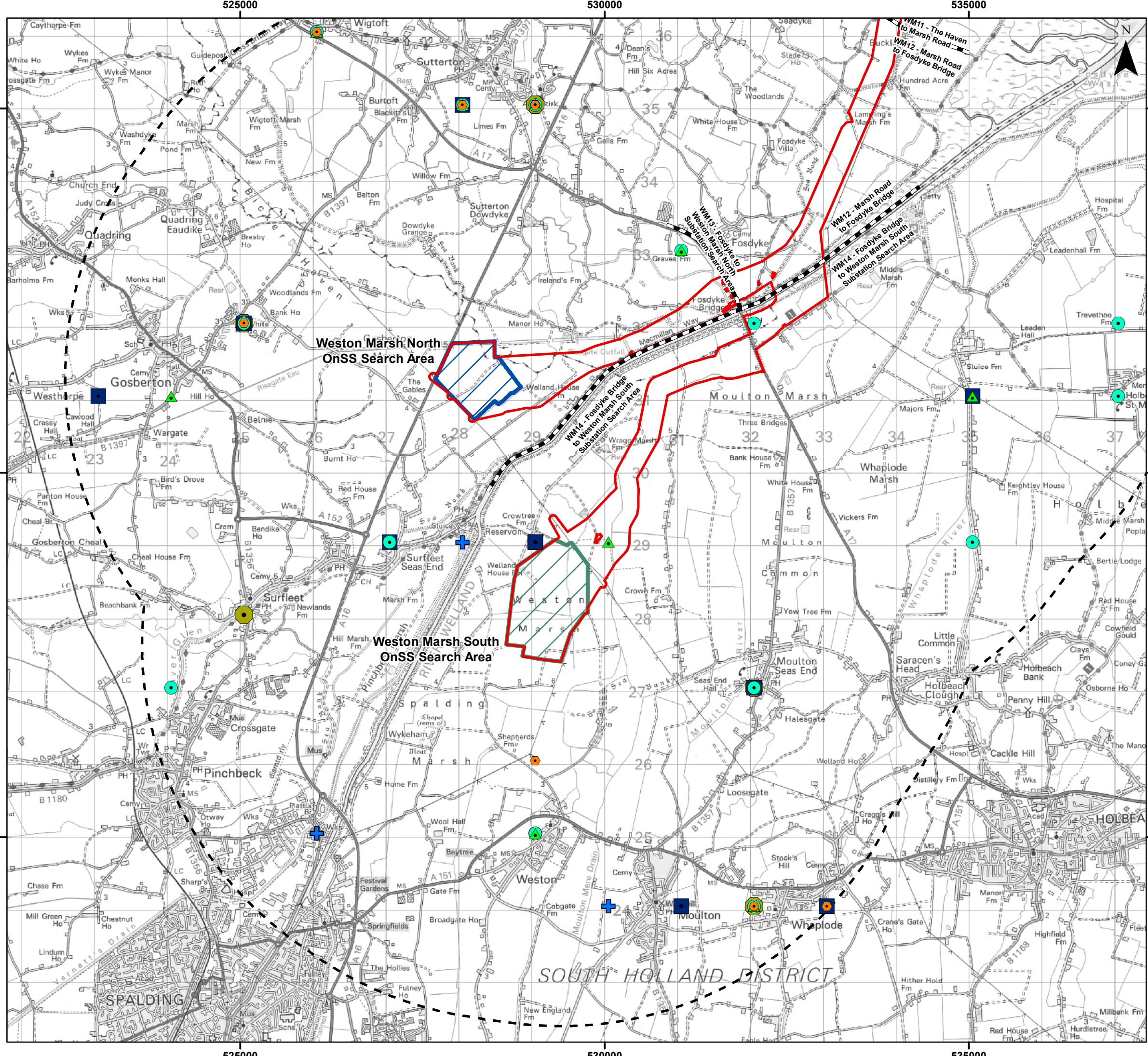
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.5



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary Weston Marsh (via South of the A52) 5 km Buffer

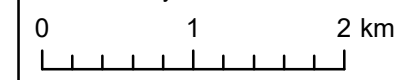
**Local Records: Terrestrial Mammals (Bat Roosts)**

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- + Daubenton's Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost
- Soprano Pipistrelle Roost

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:50,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Bat Roosts  
Figure 21.25.6

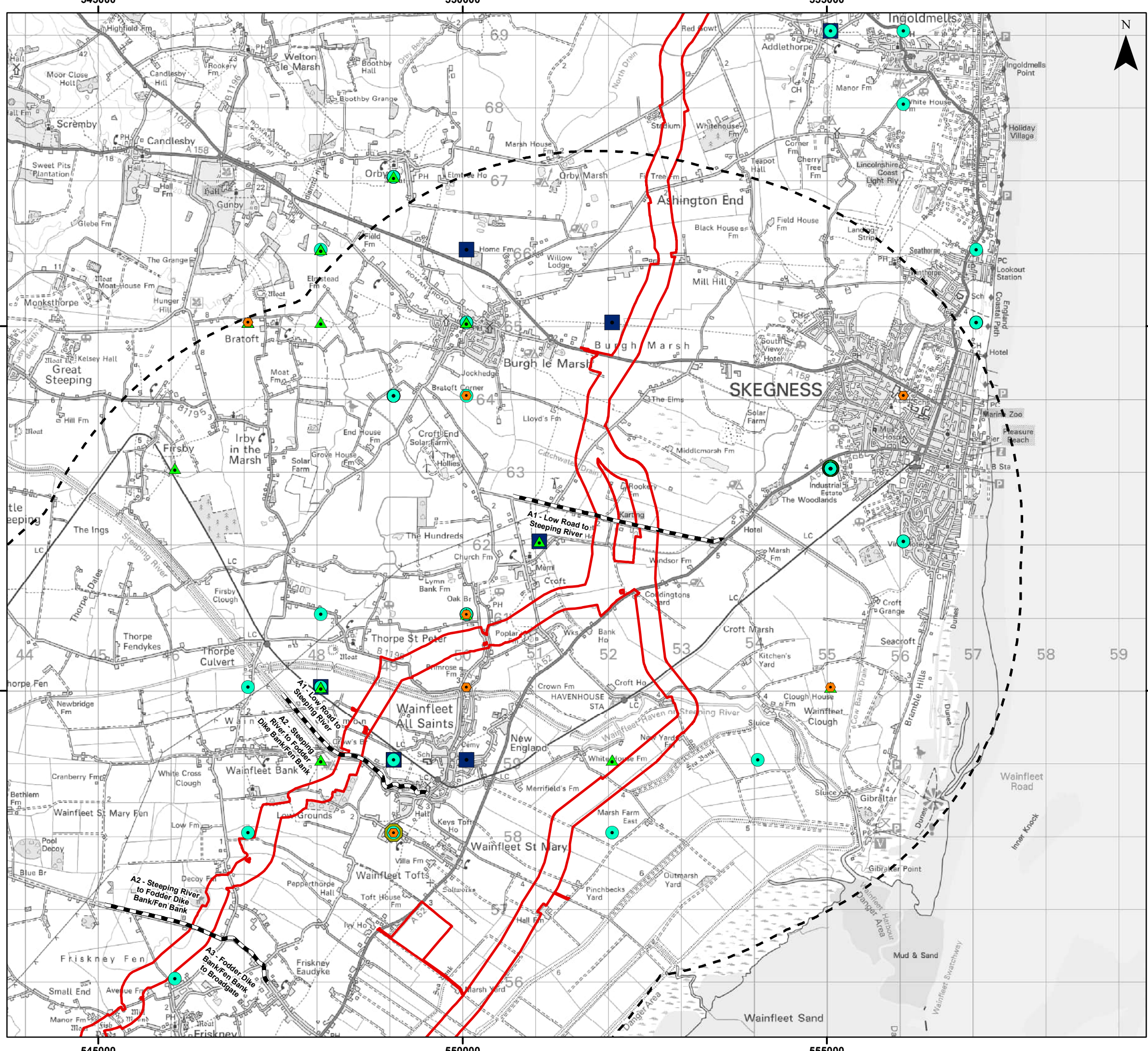


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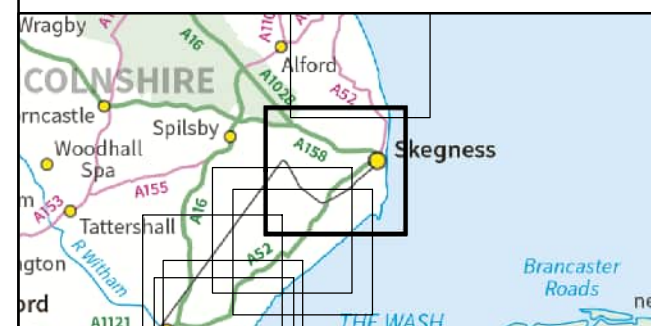
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 5 km Buffer

#### Local Records: Terrestrial Mammals (Bat Roosts)

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost
- Pipistrelle Roost
- Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.7

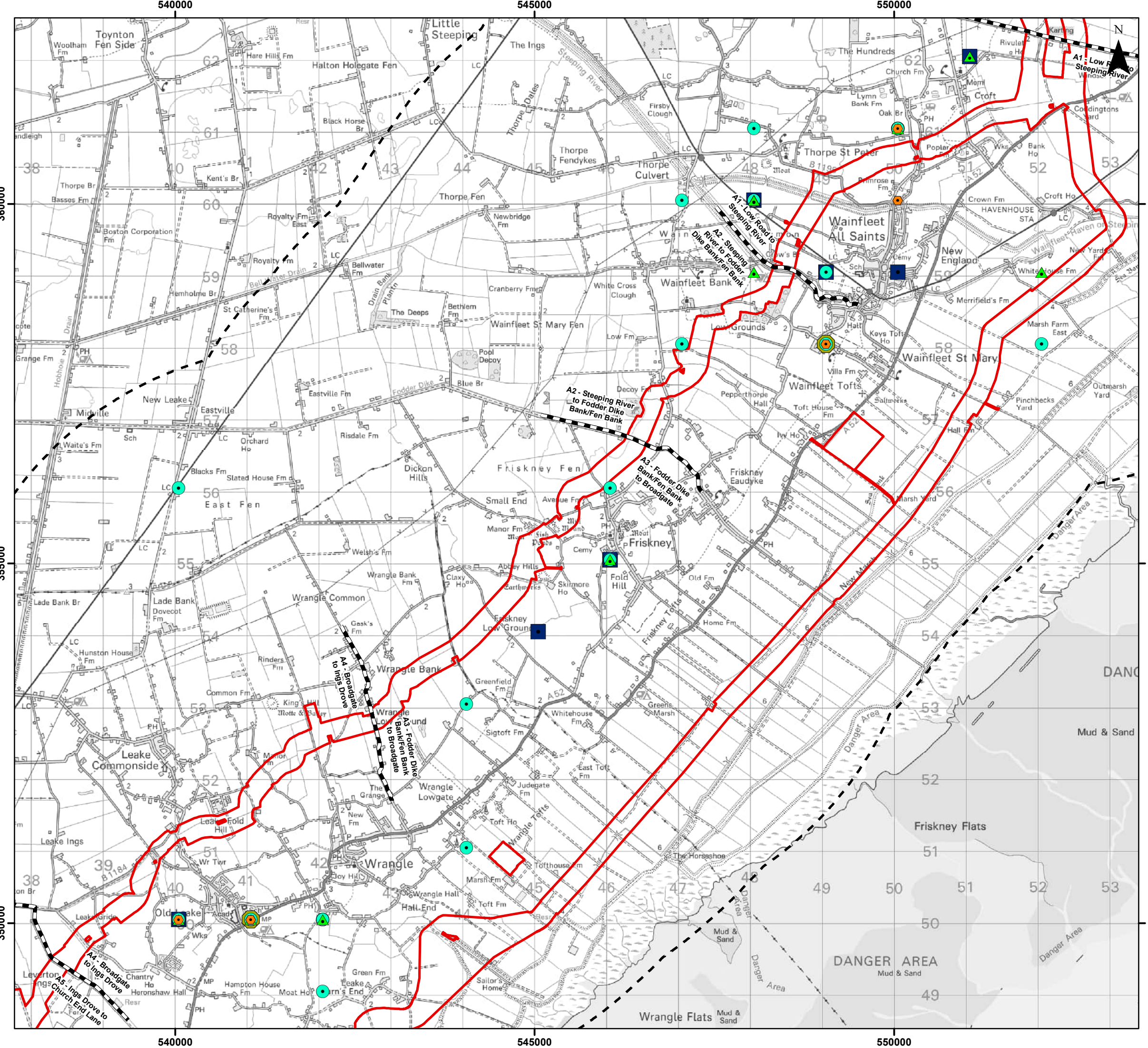


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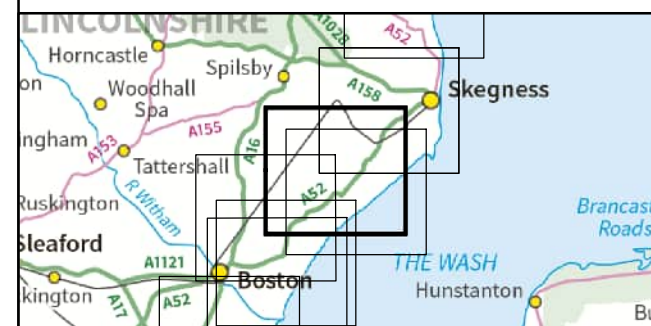
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 5 km Buffer

#### Local Records: Terrestrial Mammals (Bat Roosts)

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost
- Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:50,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.8

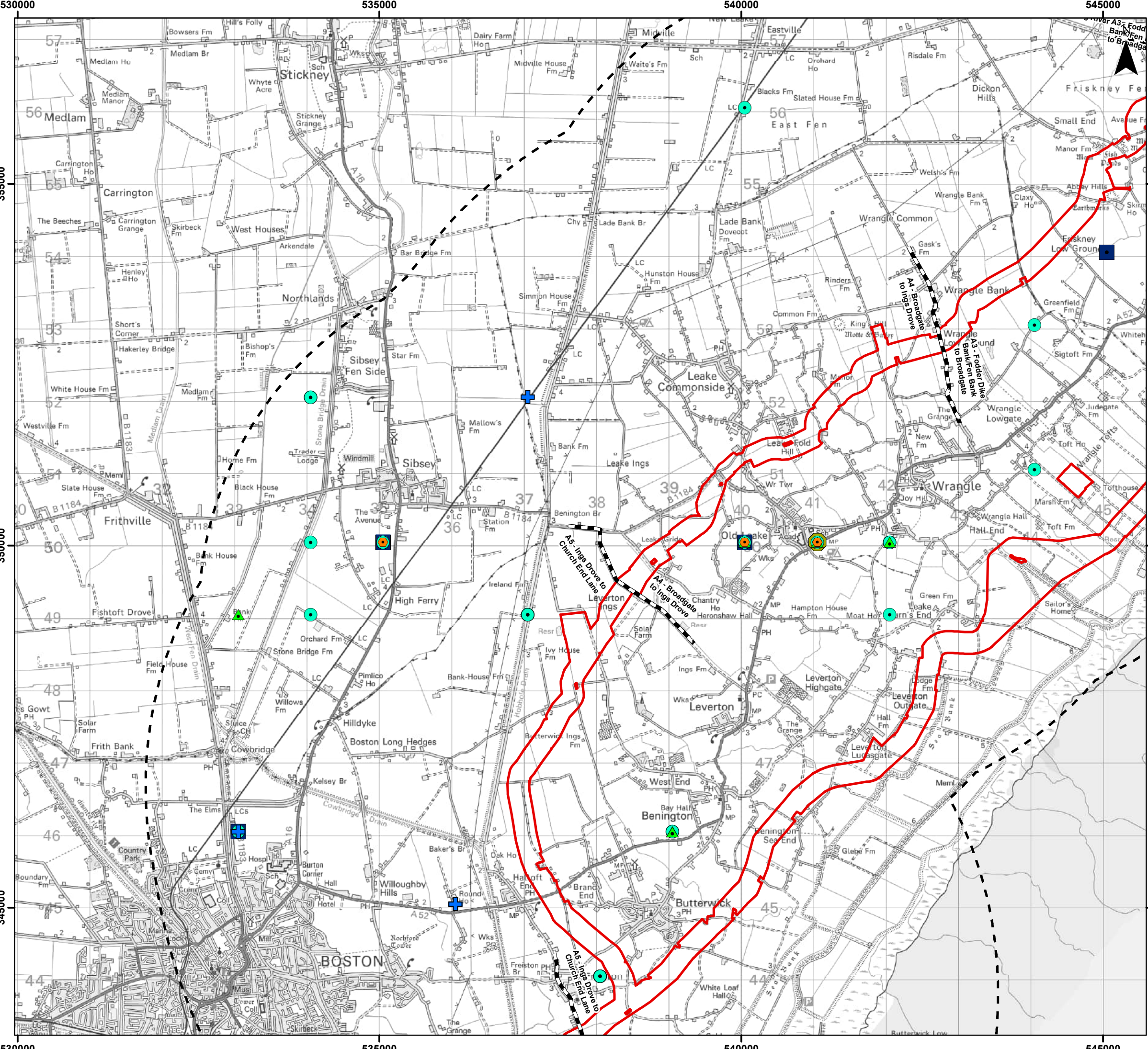




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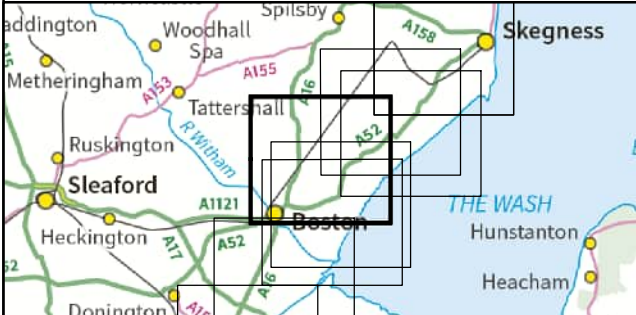
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 5 km Buffer

#### Local Records: Terrestrial Mammals (Bat Roosts)

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- + Daubenton's Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost
- ⬡ Soprano Pipistrelle Roost

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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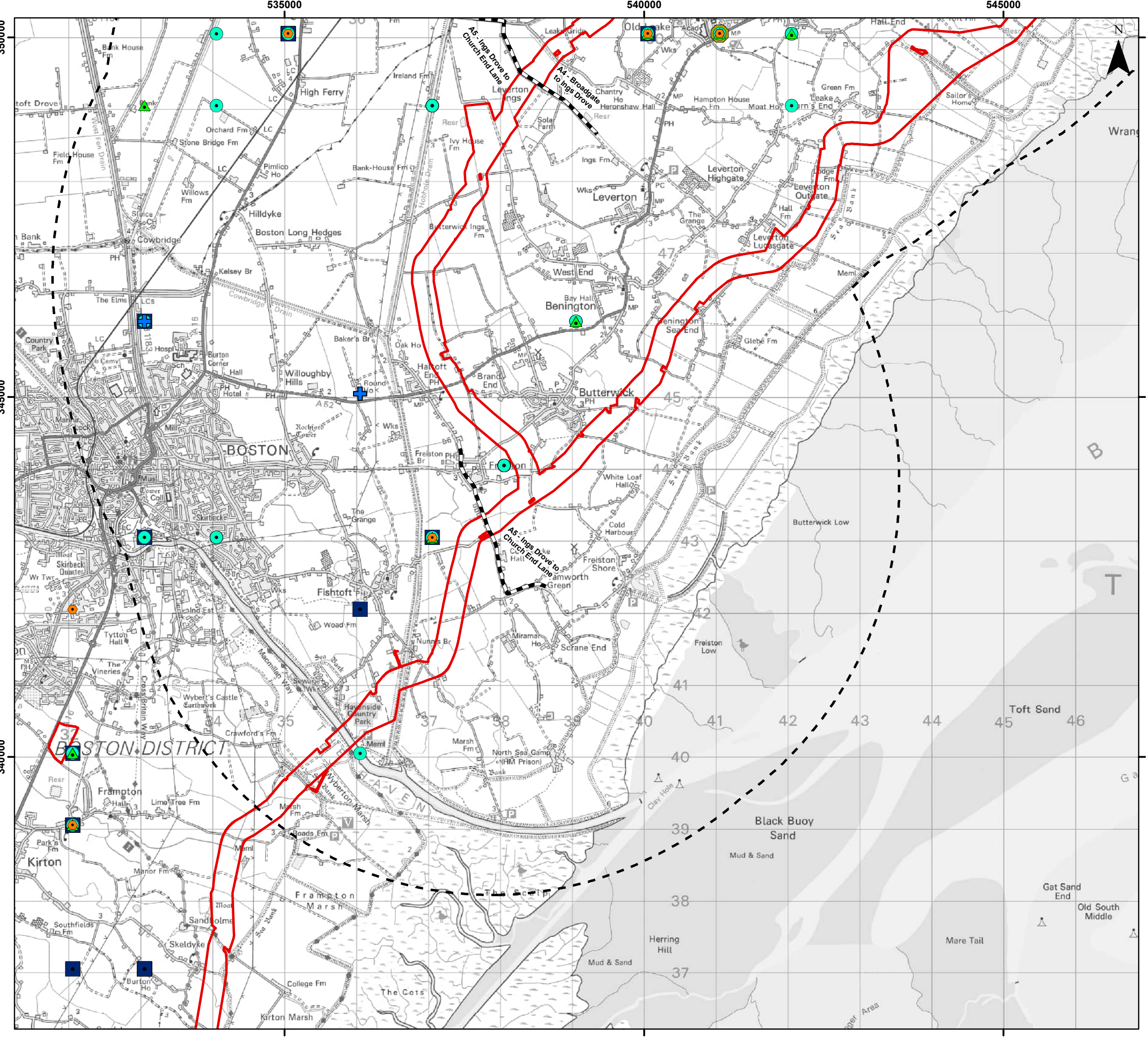
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.9



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 5 km Buffer

**Local Records: Terrestrial Mammals (Bat Roosts)**

- Common Pipistrelle Roost
- ▲ Brown Long-eared Bat Roost
- + Daubenton's Bat Roost
- Pipistrelle Bat species Roost
- Bat Roost
- Soprano Pipistrelle Roost

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:50,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Bat Roosts  
 Figure 21.25.10

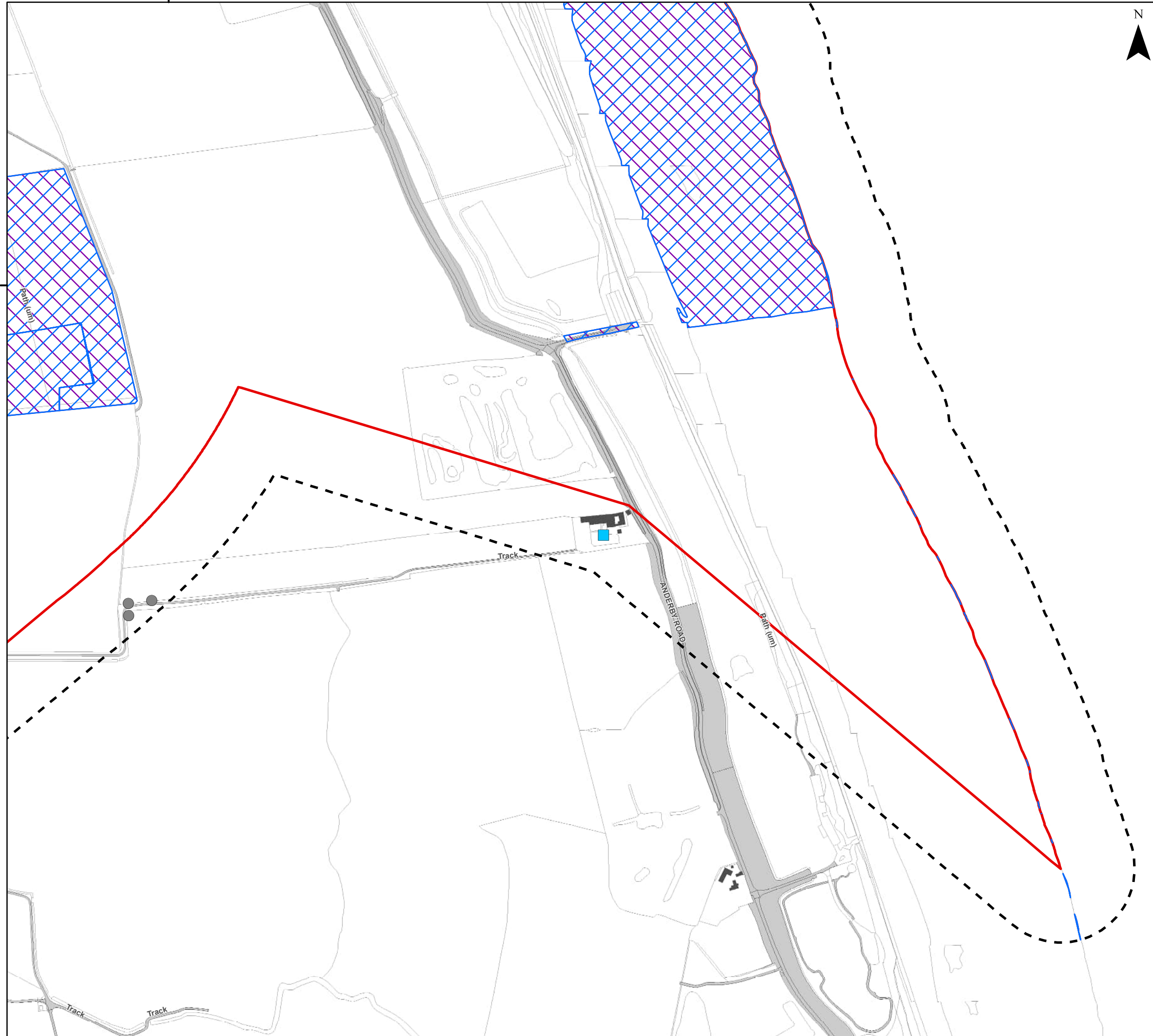


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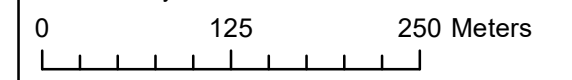
### Legend

-  Onshore PEIR Boundary
-  Habitat Survey Area (Weston Marsh, Via South of the A52)
-  Trees Not Surveyed in this Area for Bat Roost Potential
-  Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost**
-  Low Potential
- Tree Preliminary Bat Roost**
-  Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.1



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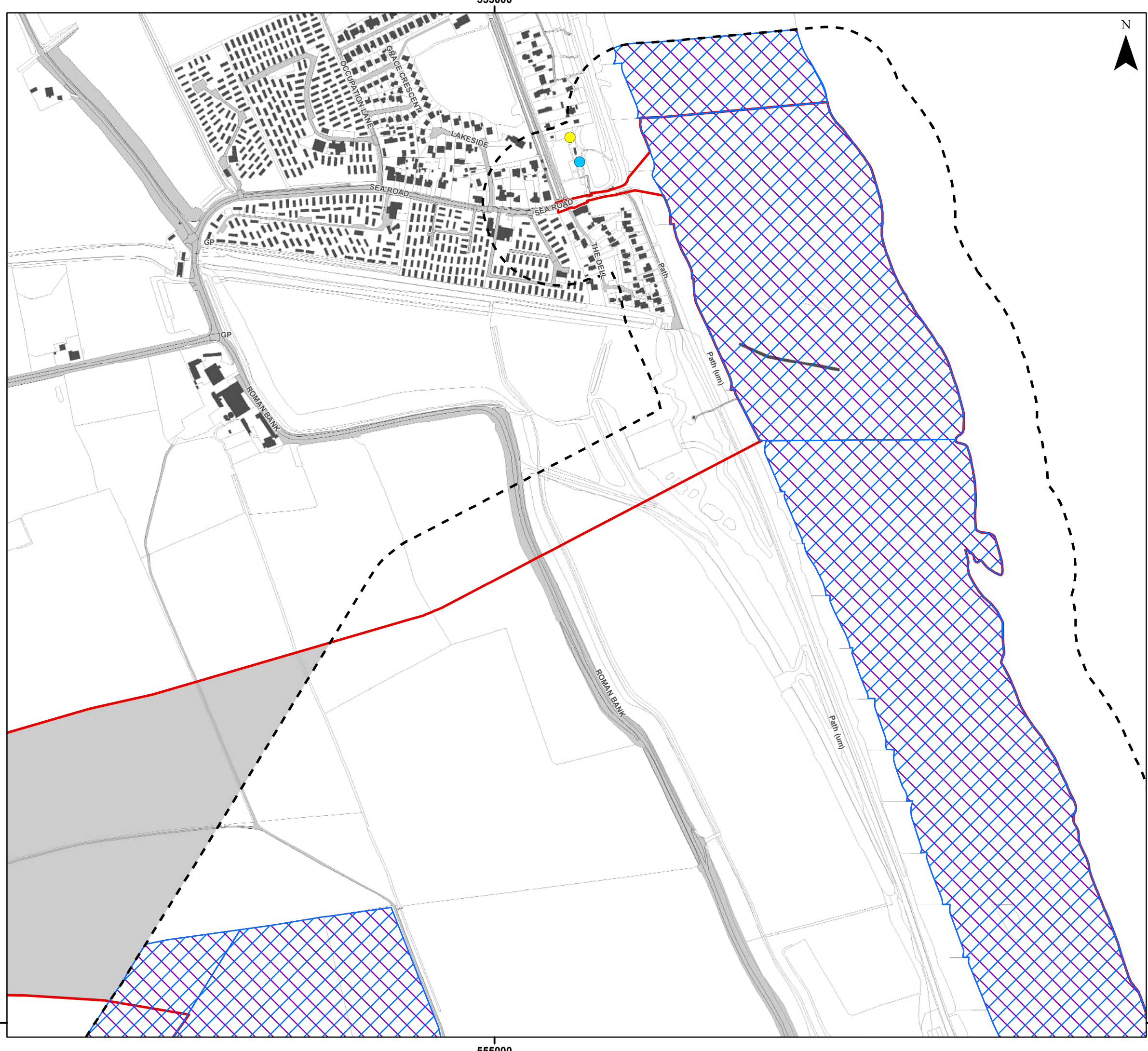
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- ### Legend
- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost**
- Moderate Potential
  - Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.2



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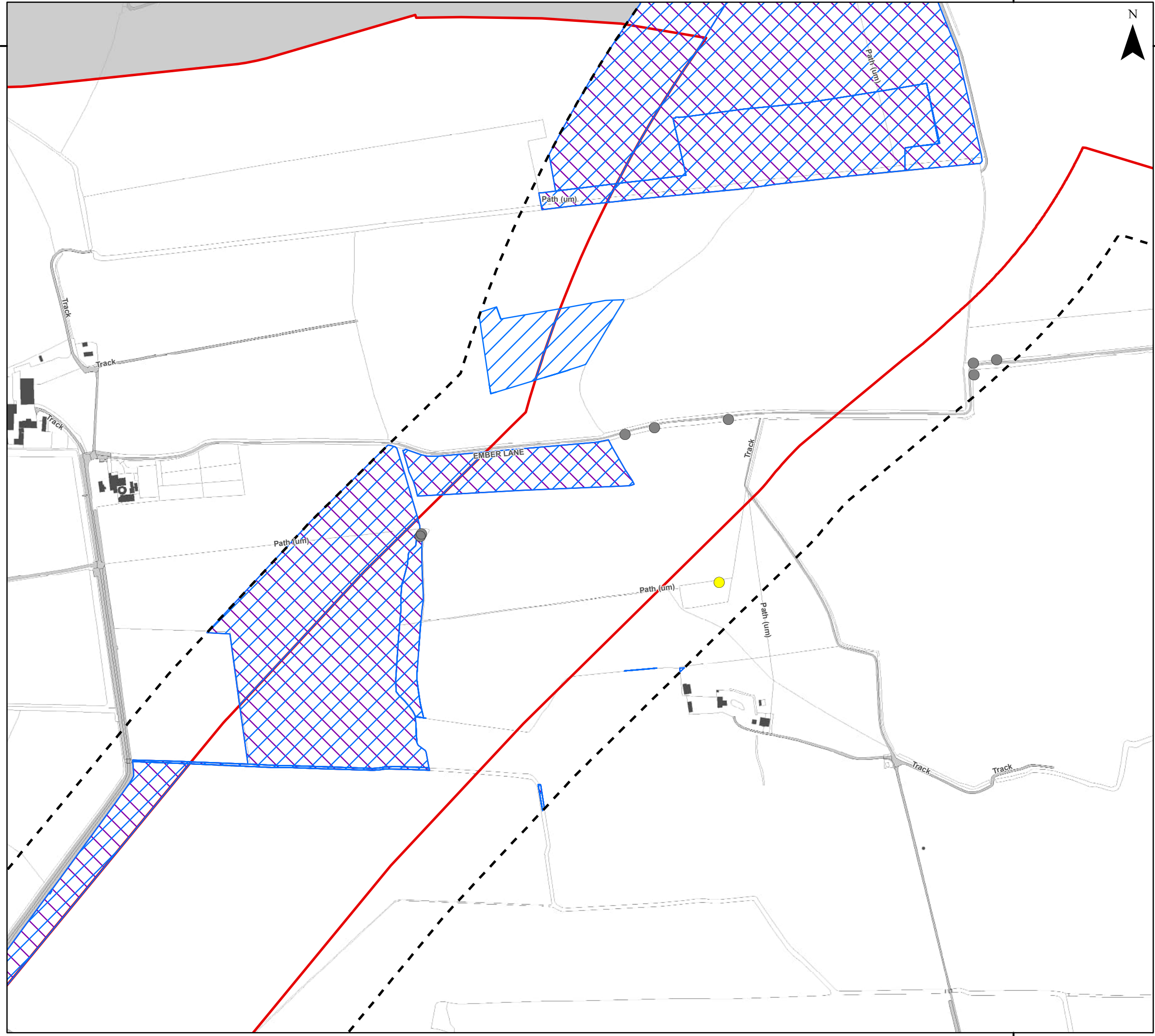
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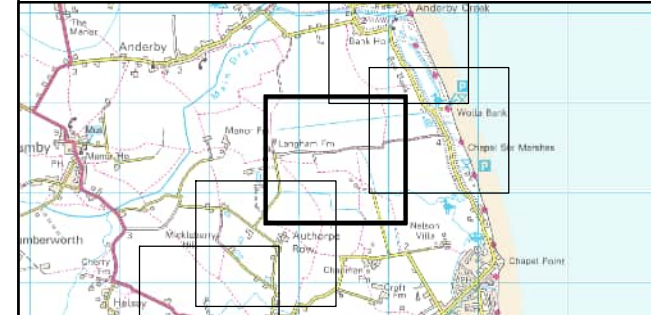
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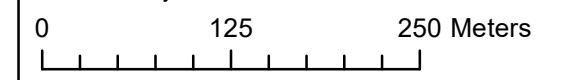
### Legend

- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.3



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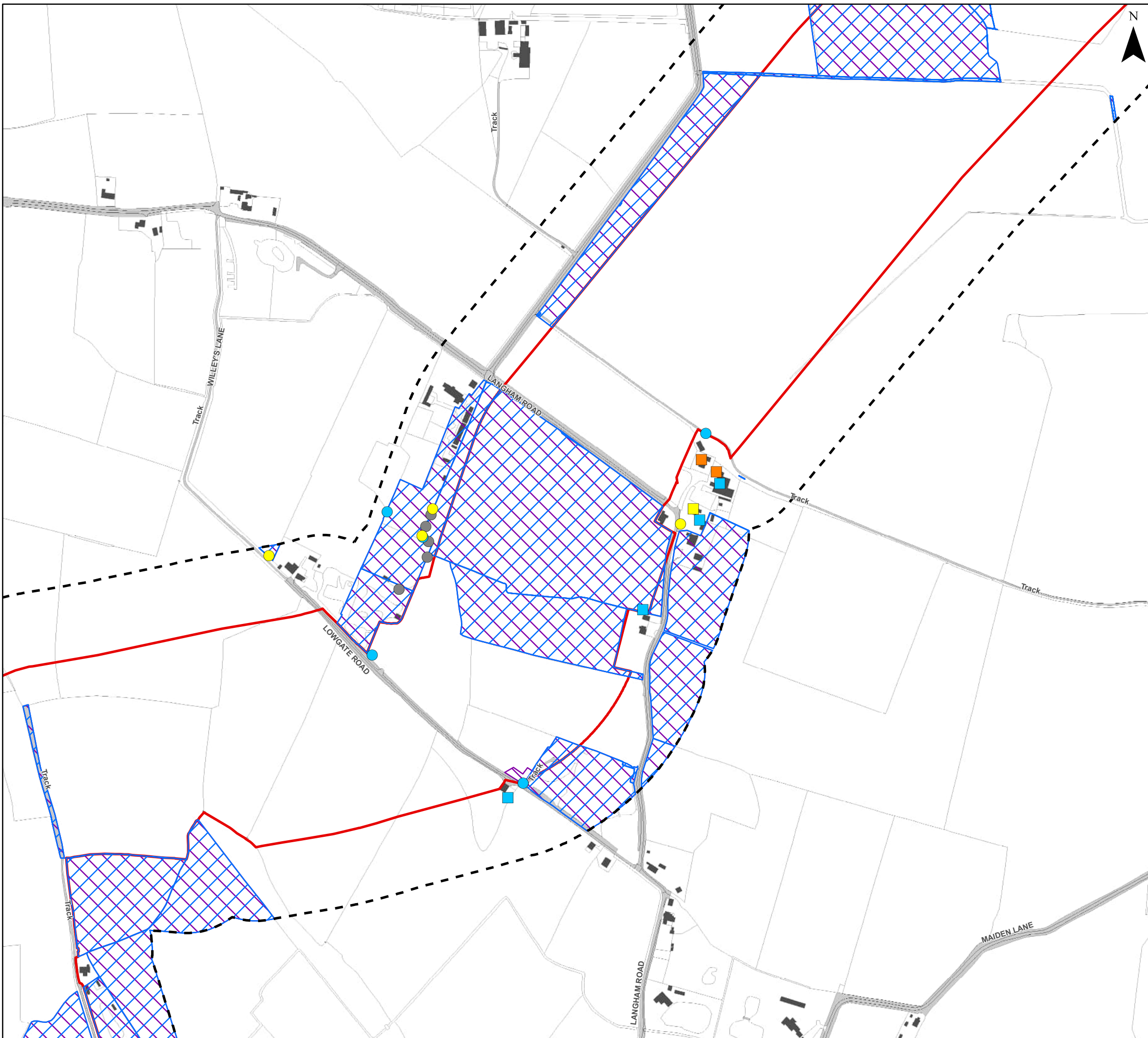
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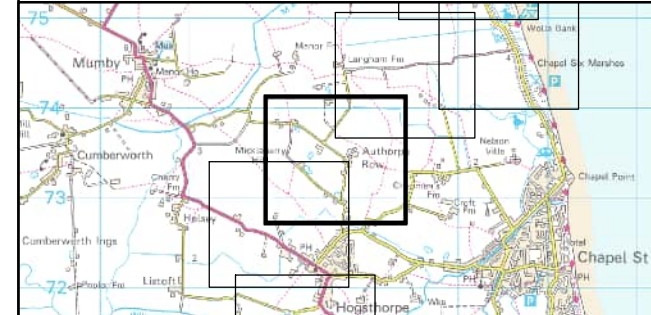




**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
  - High Potential
  - Moderate Potential
  - Low Potential
- Tree Preliminary Bat Roost Potential**
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



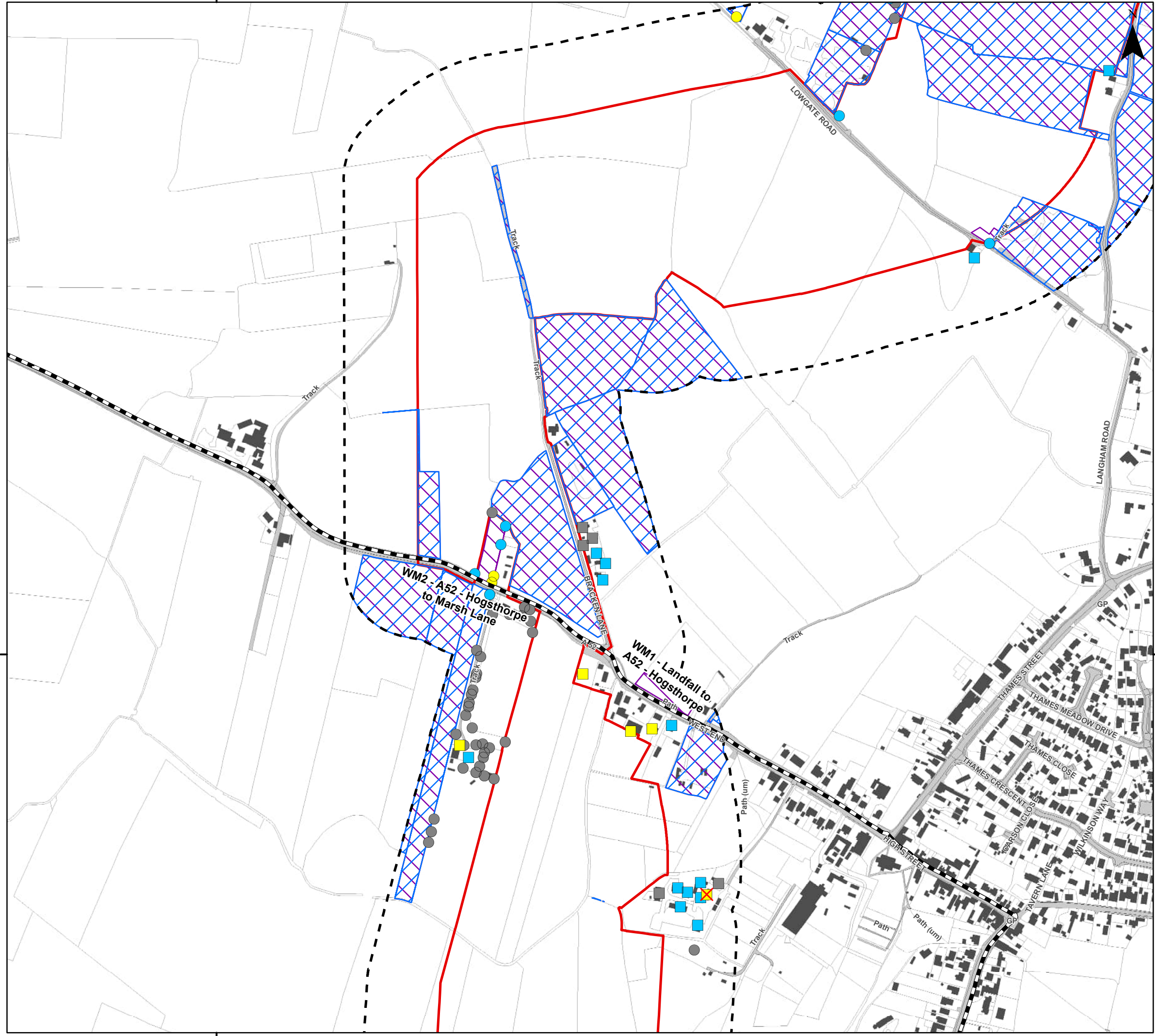
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Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.4



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- X Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.5



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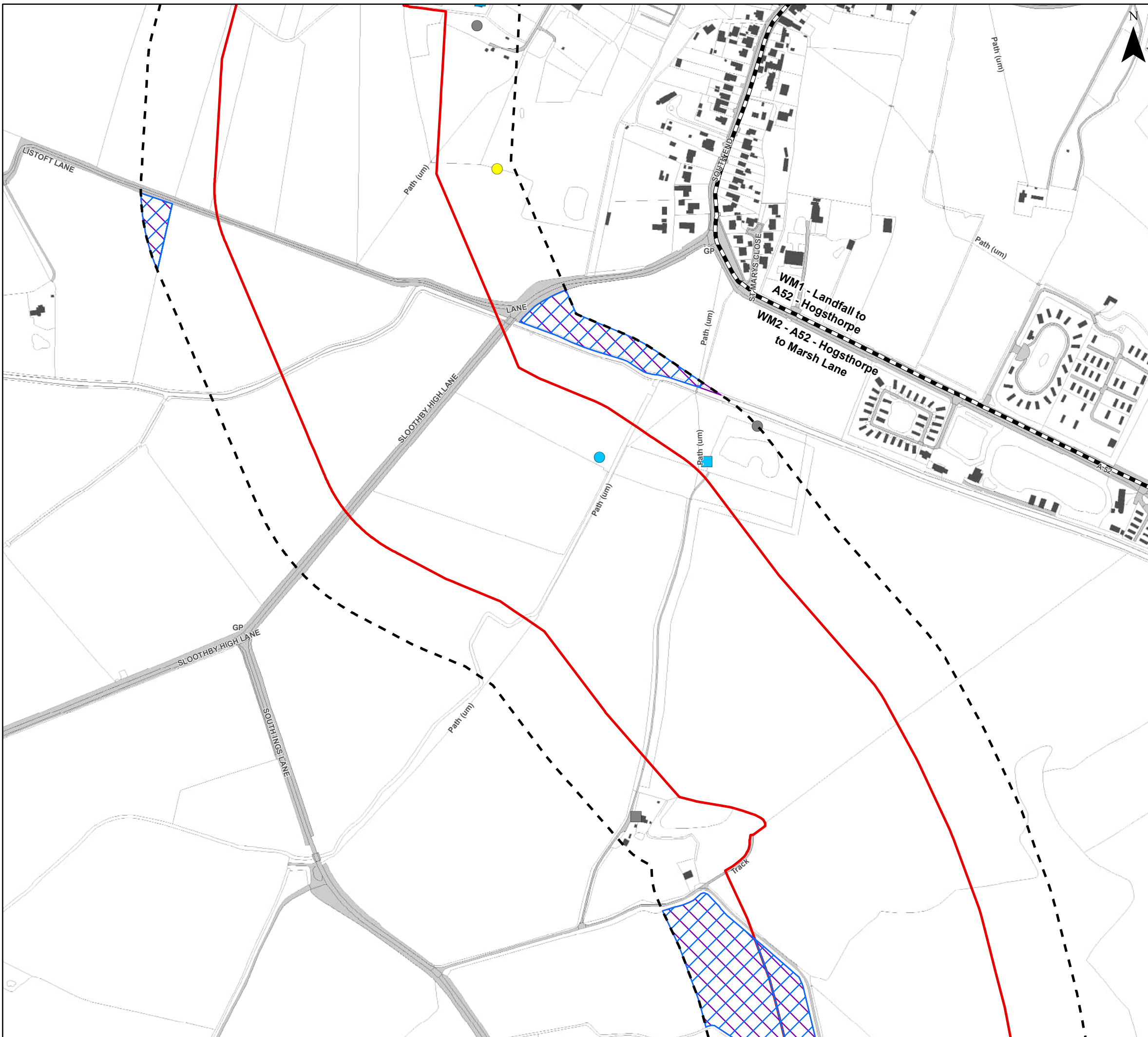
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.6

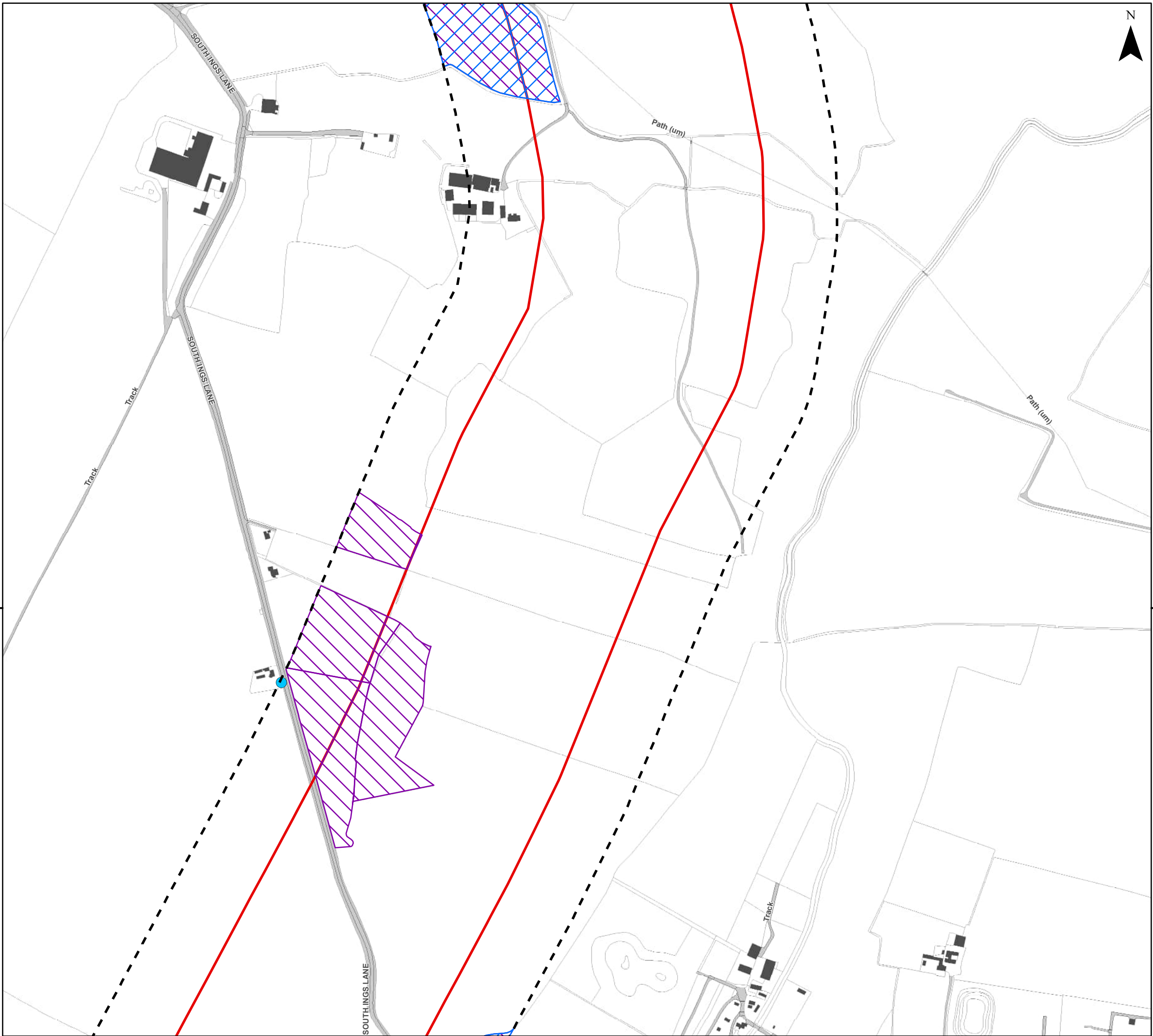


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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

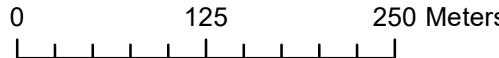
**Tree Preliminary Bat Roost Potential**

- Low Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.7



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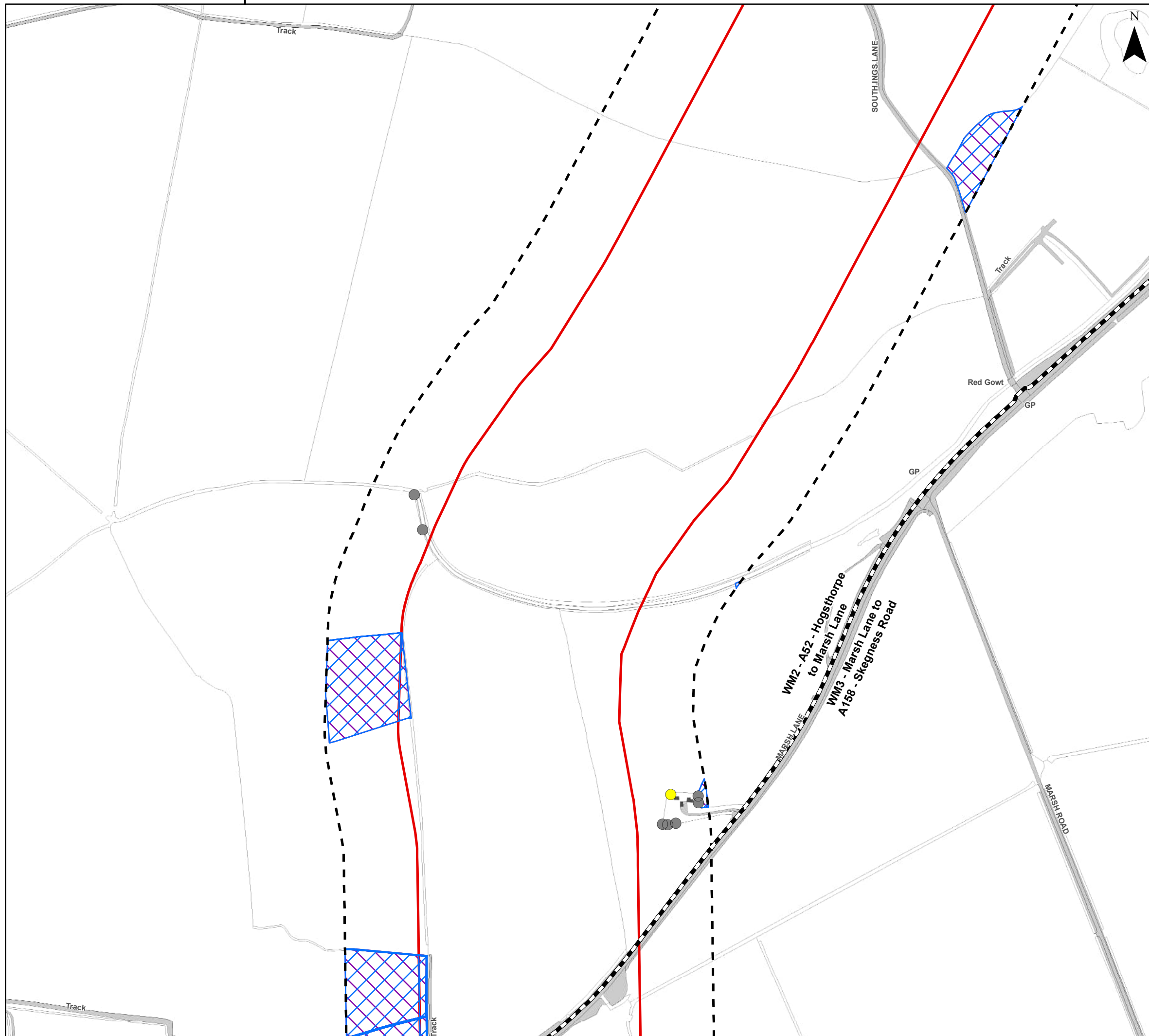
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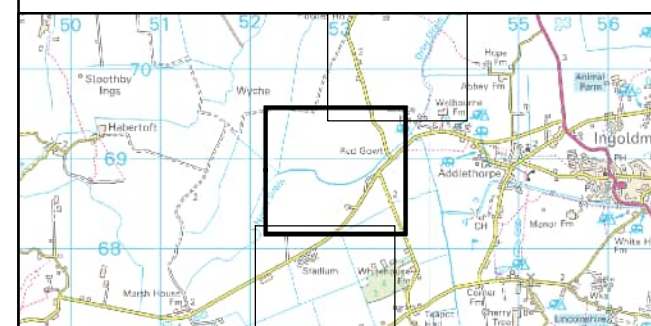


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost**
  - Moderate Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.8

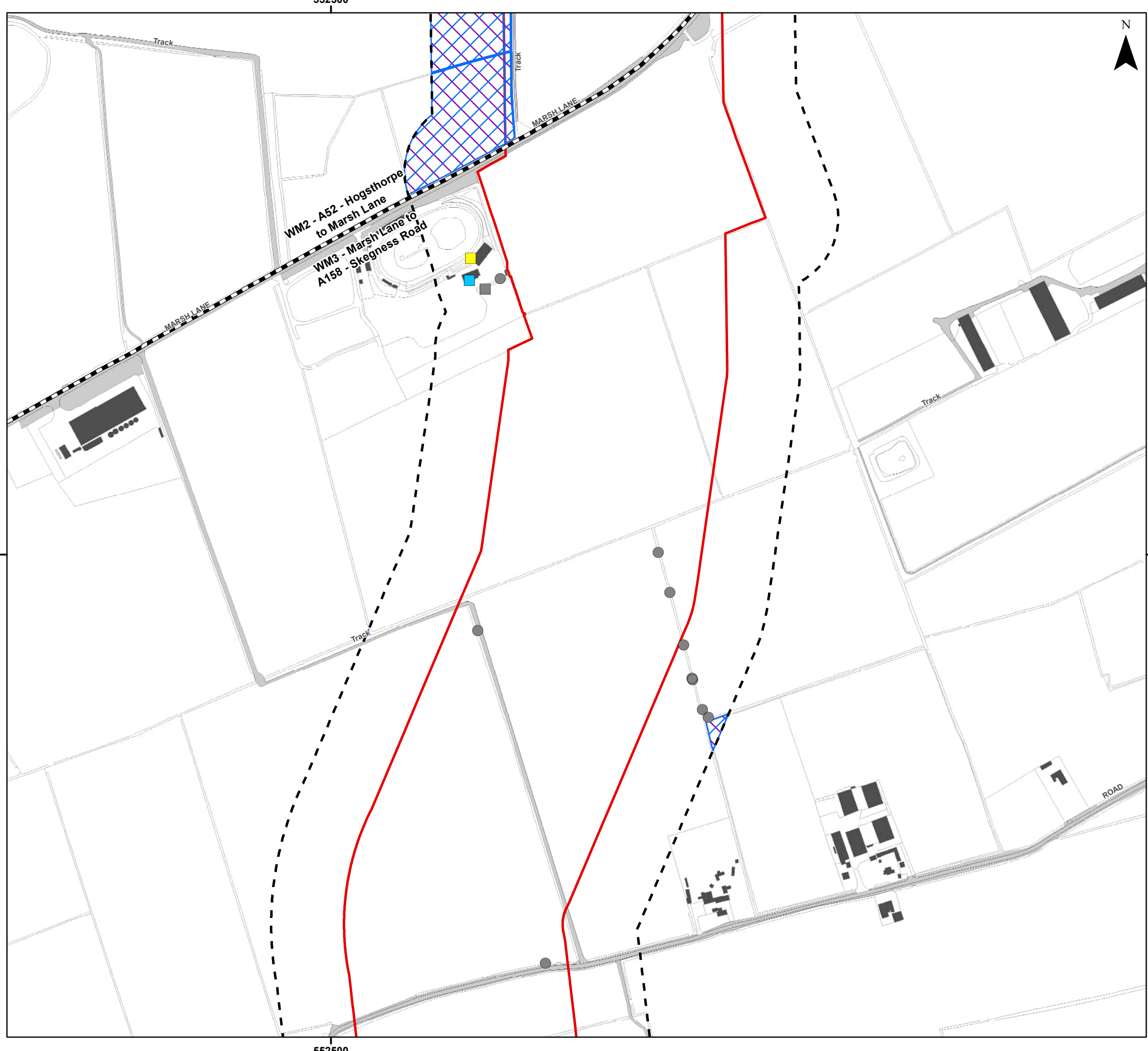


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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.9

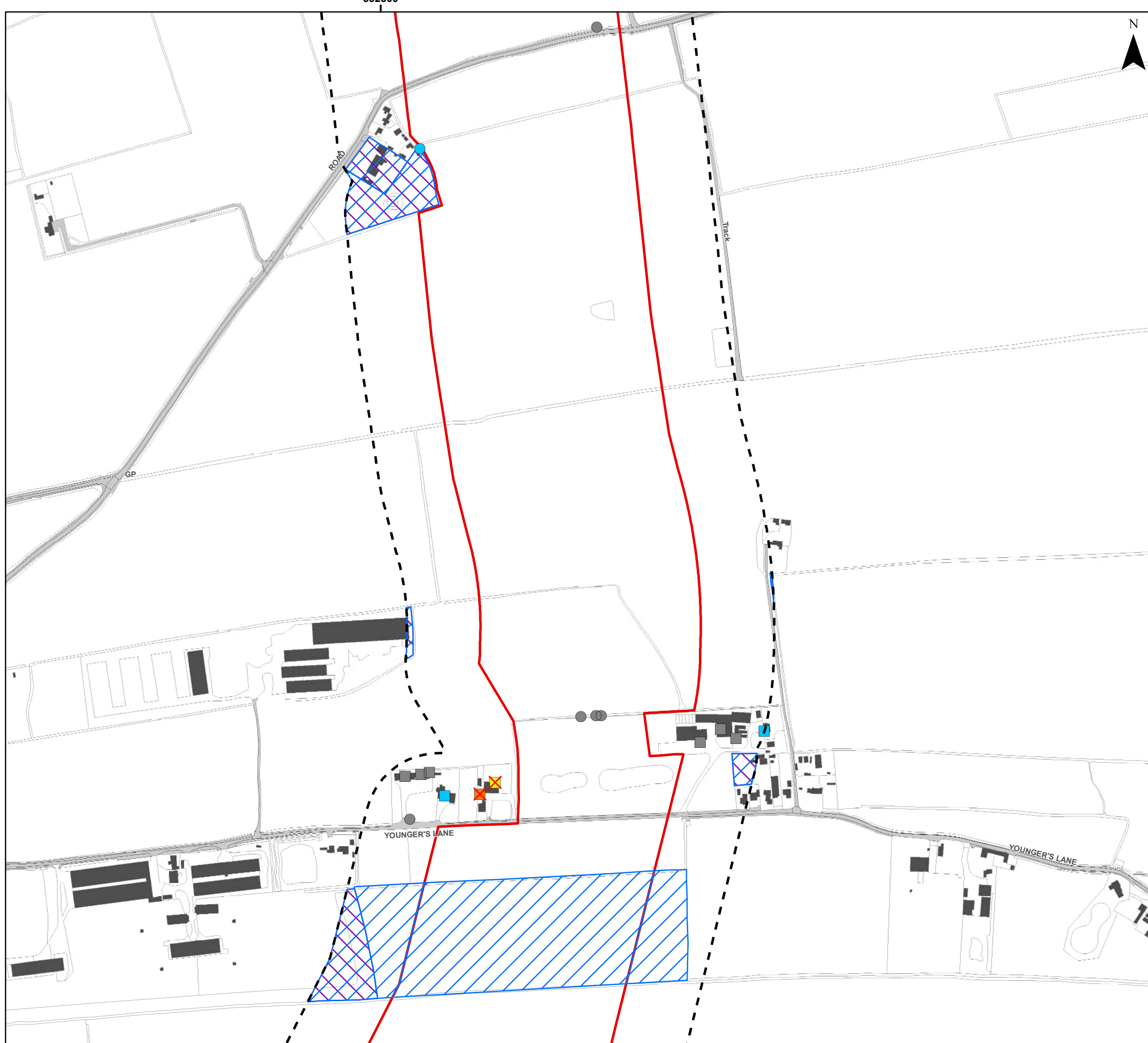


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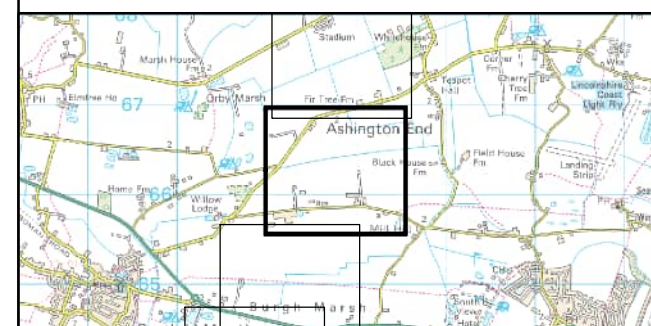
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- ### Legend
- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
  - ✕ Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential

Sources:

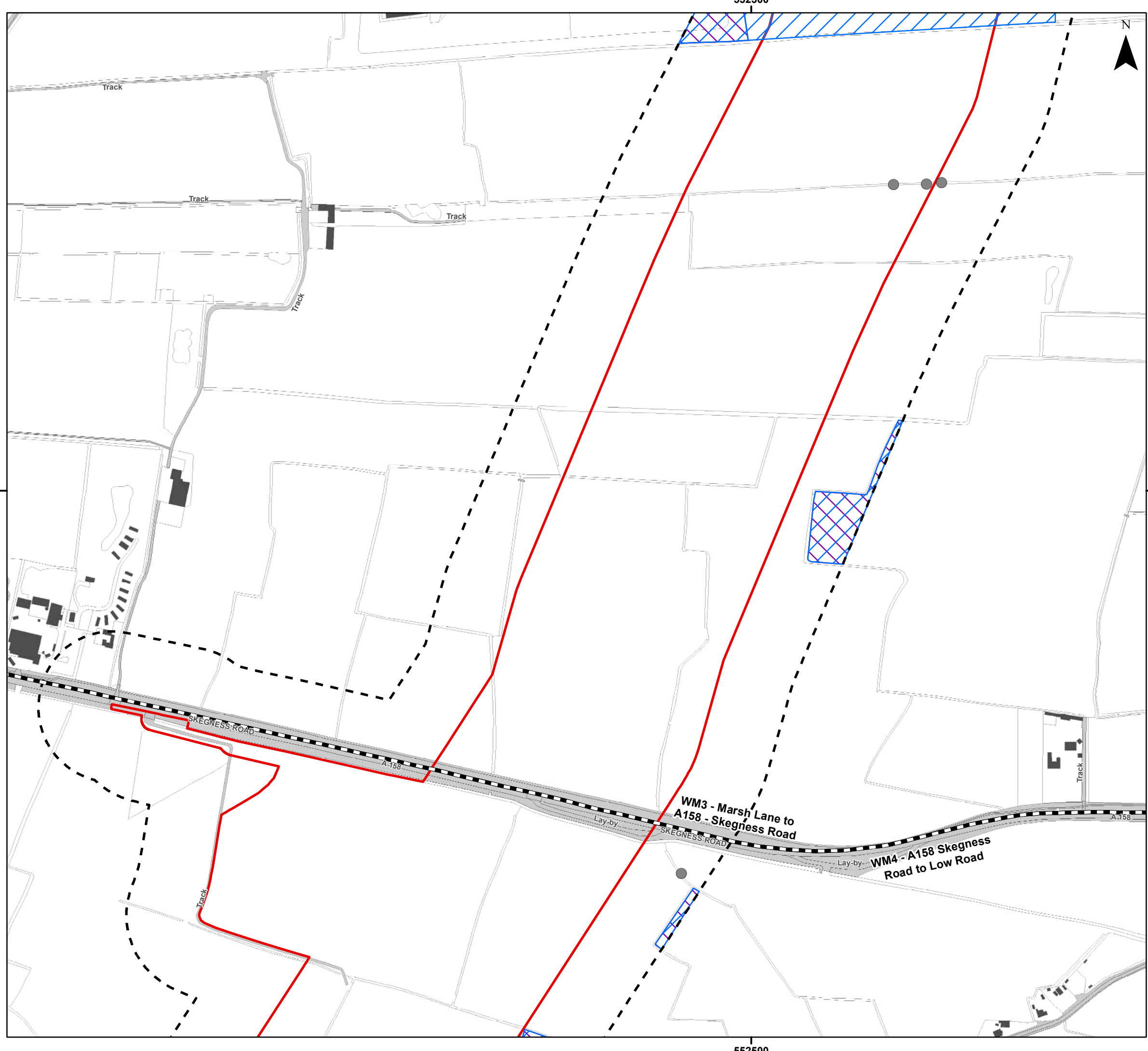


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Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.10



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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.11



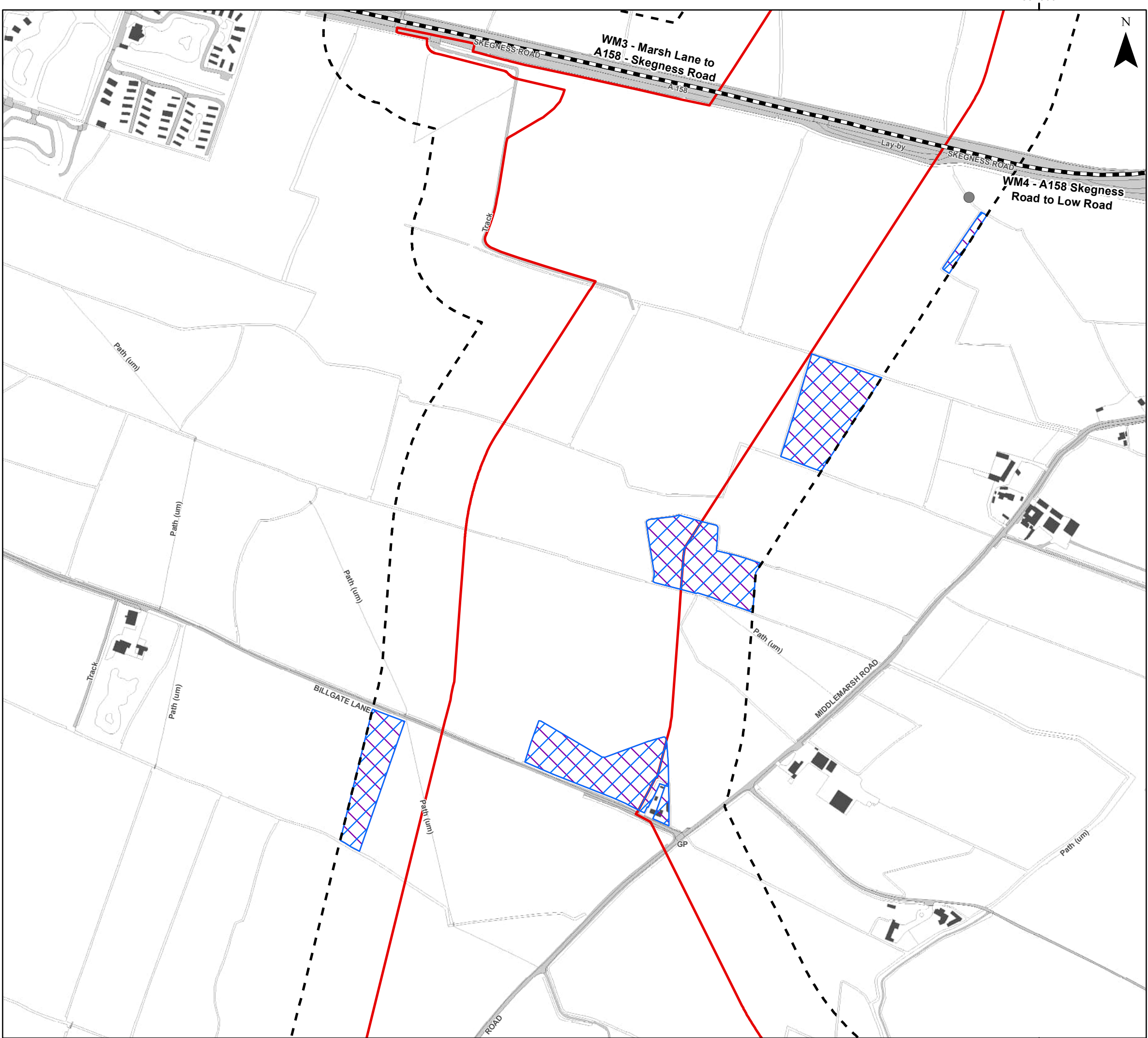
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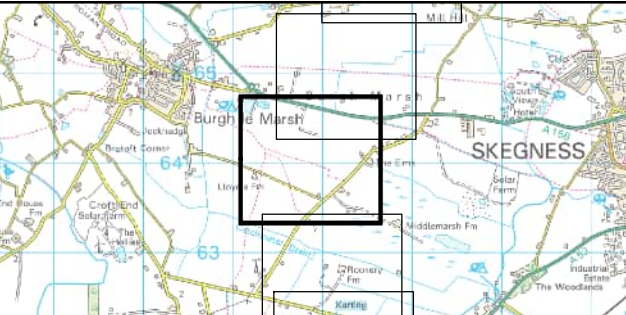




**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.12

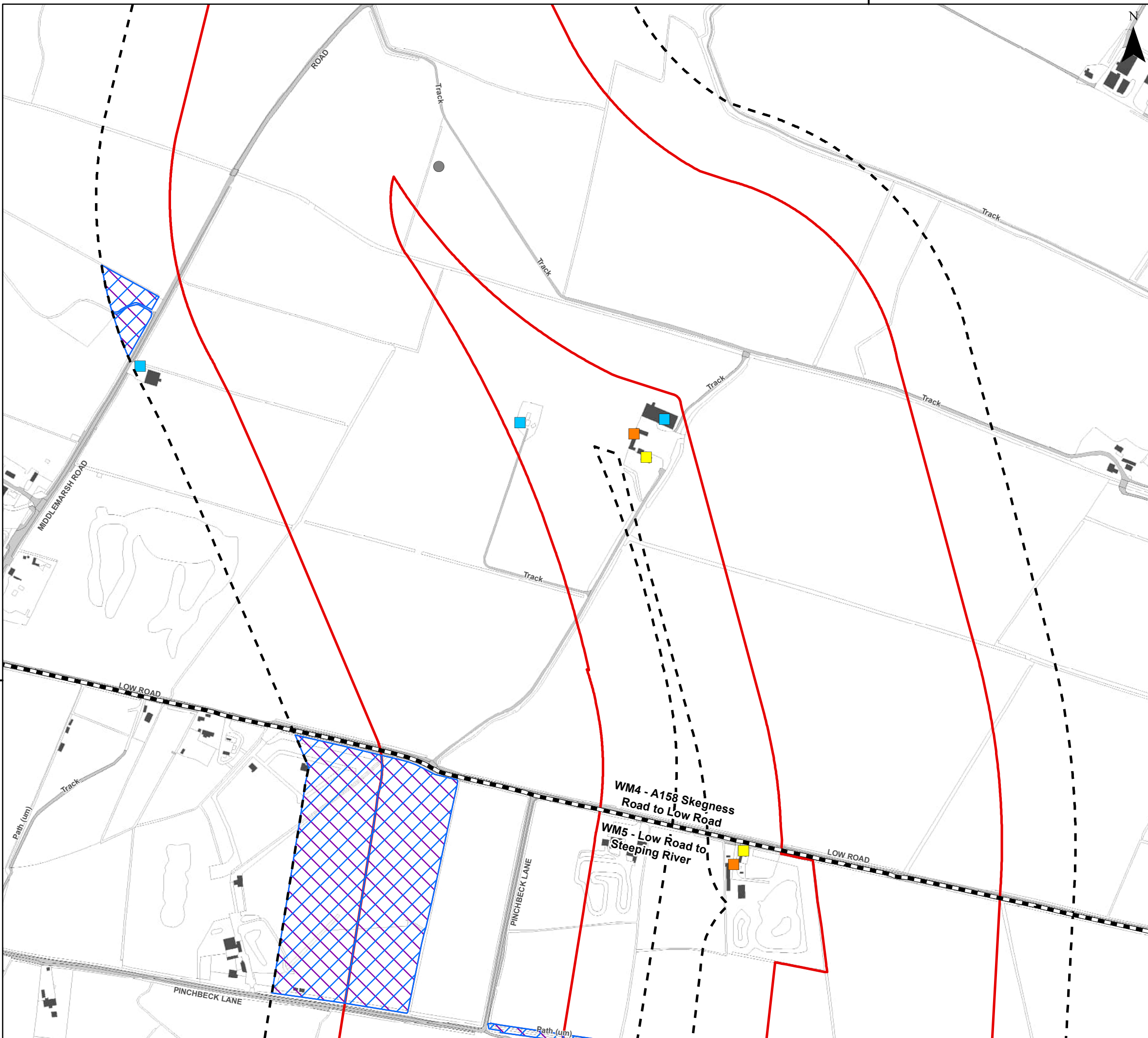


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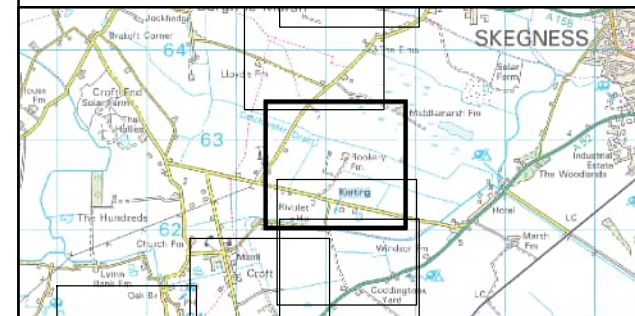
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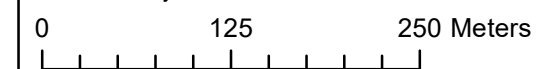
### Legend

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

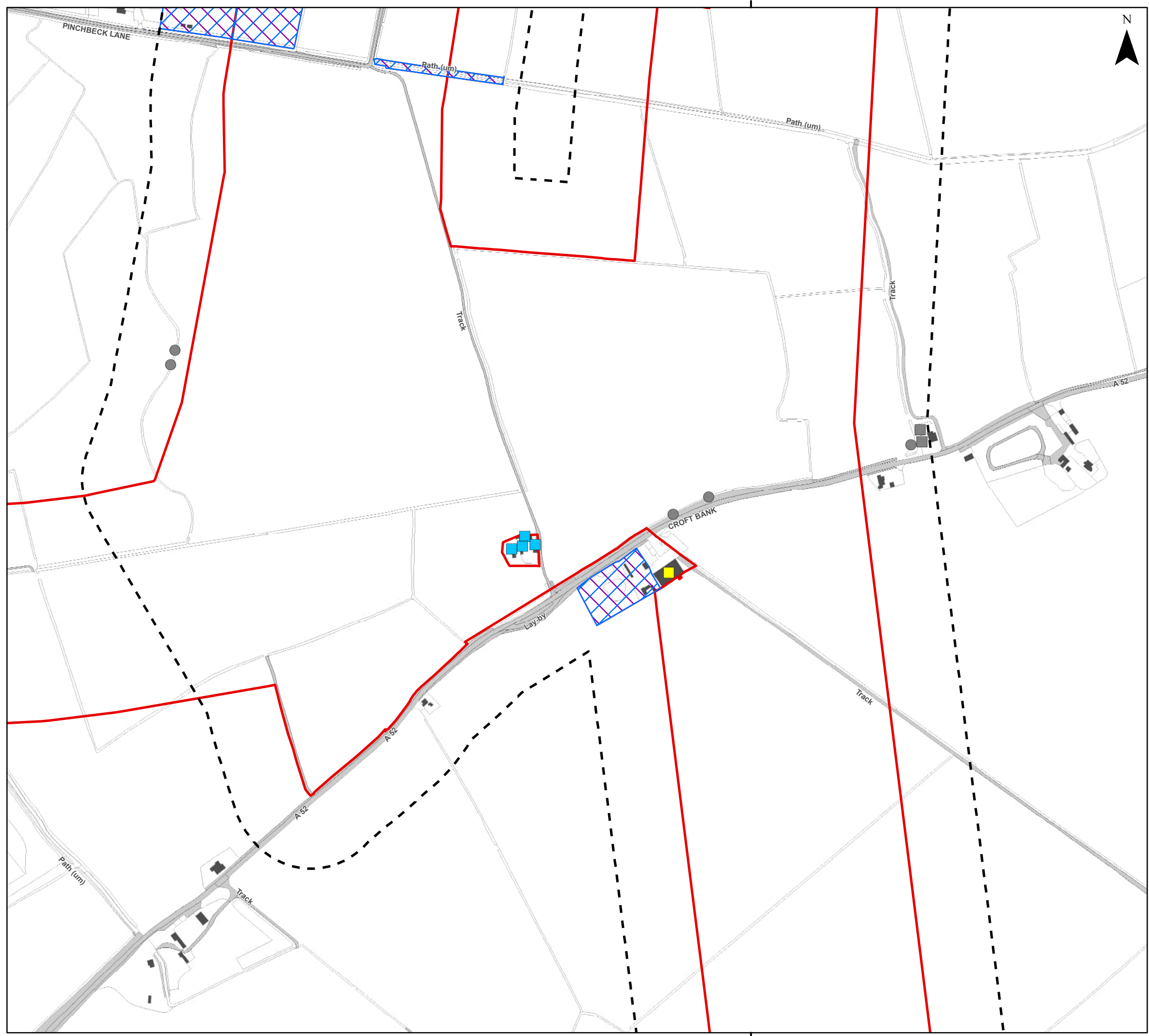
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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
 Bat Roost Potential

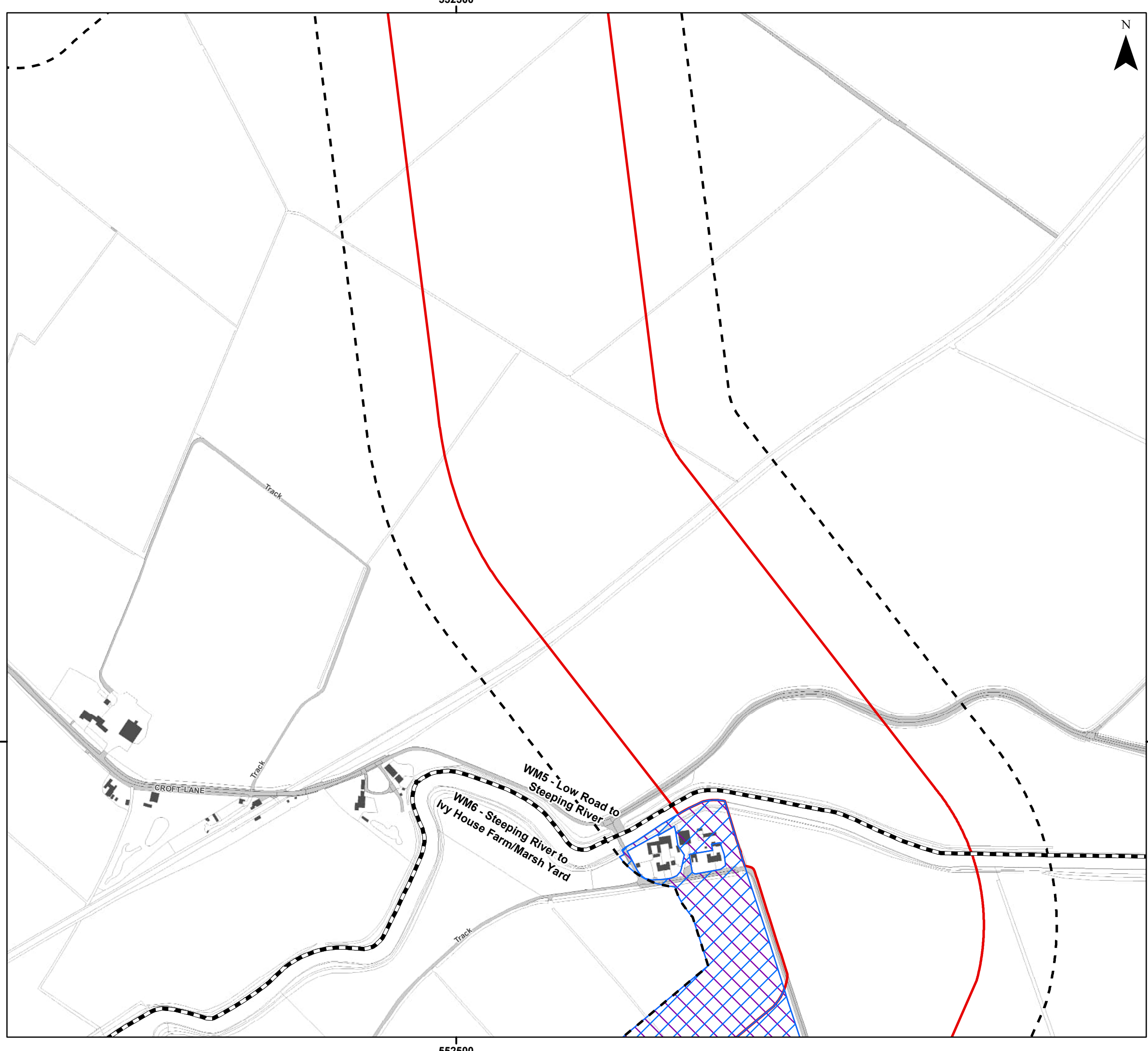
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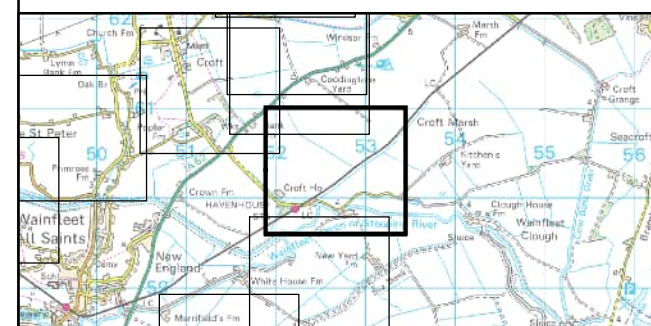


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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.15

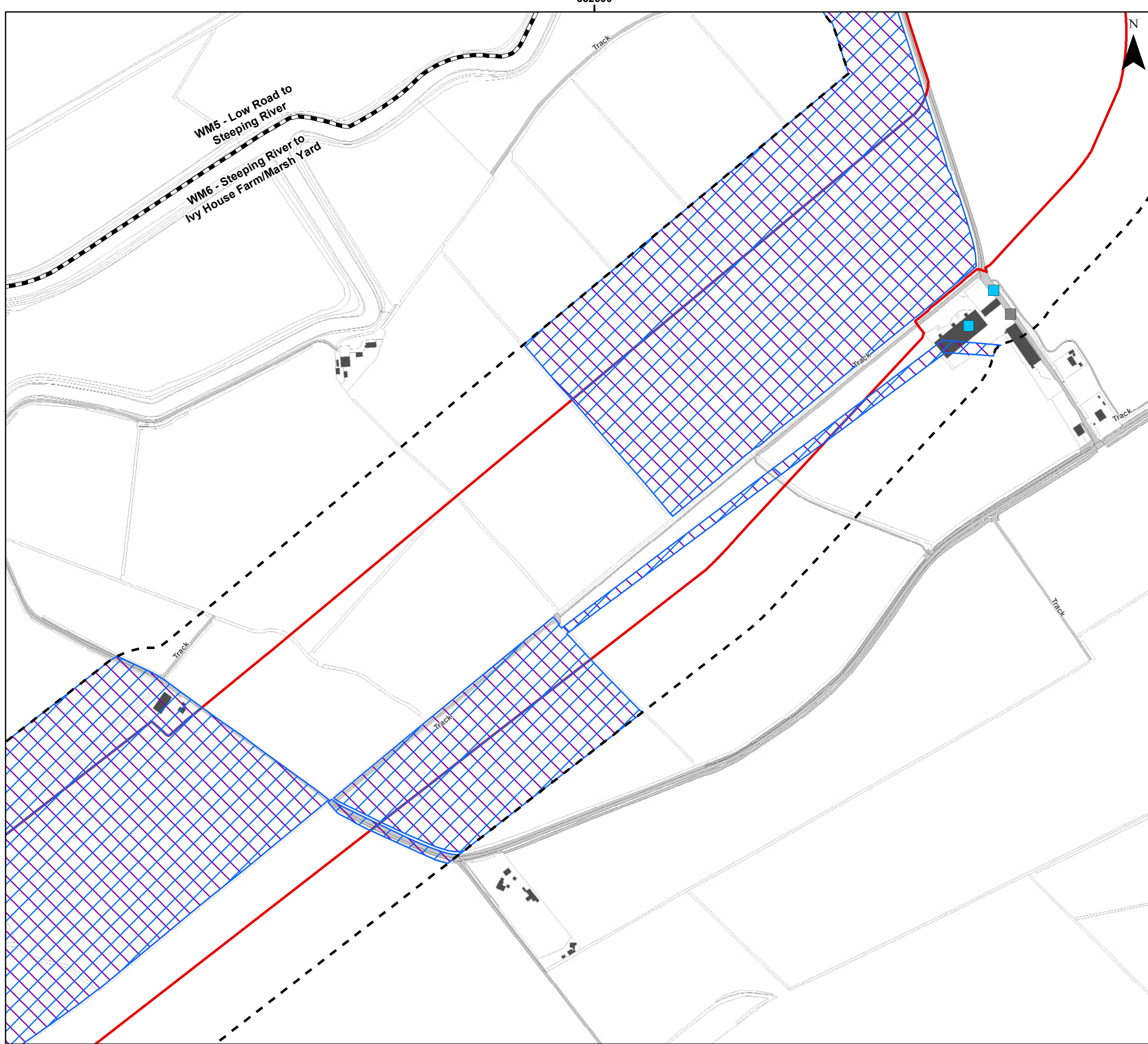


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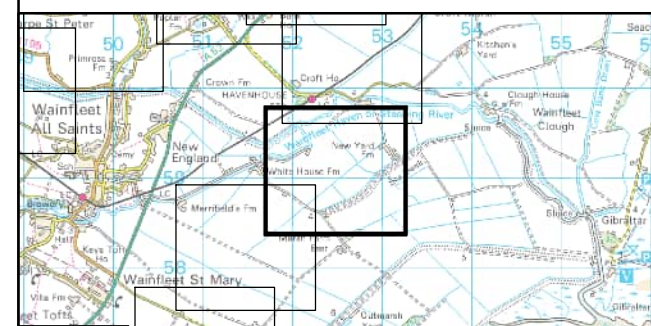
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.16

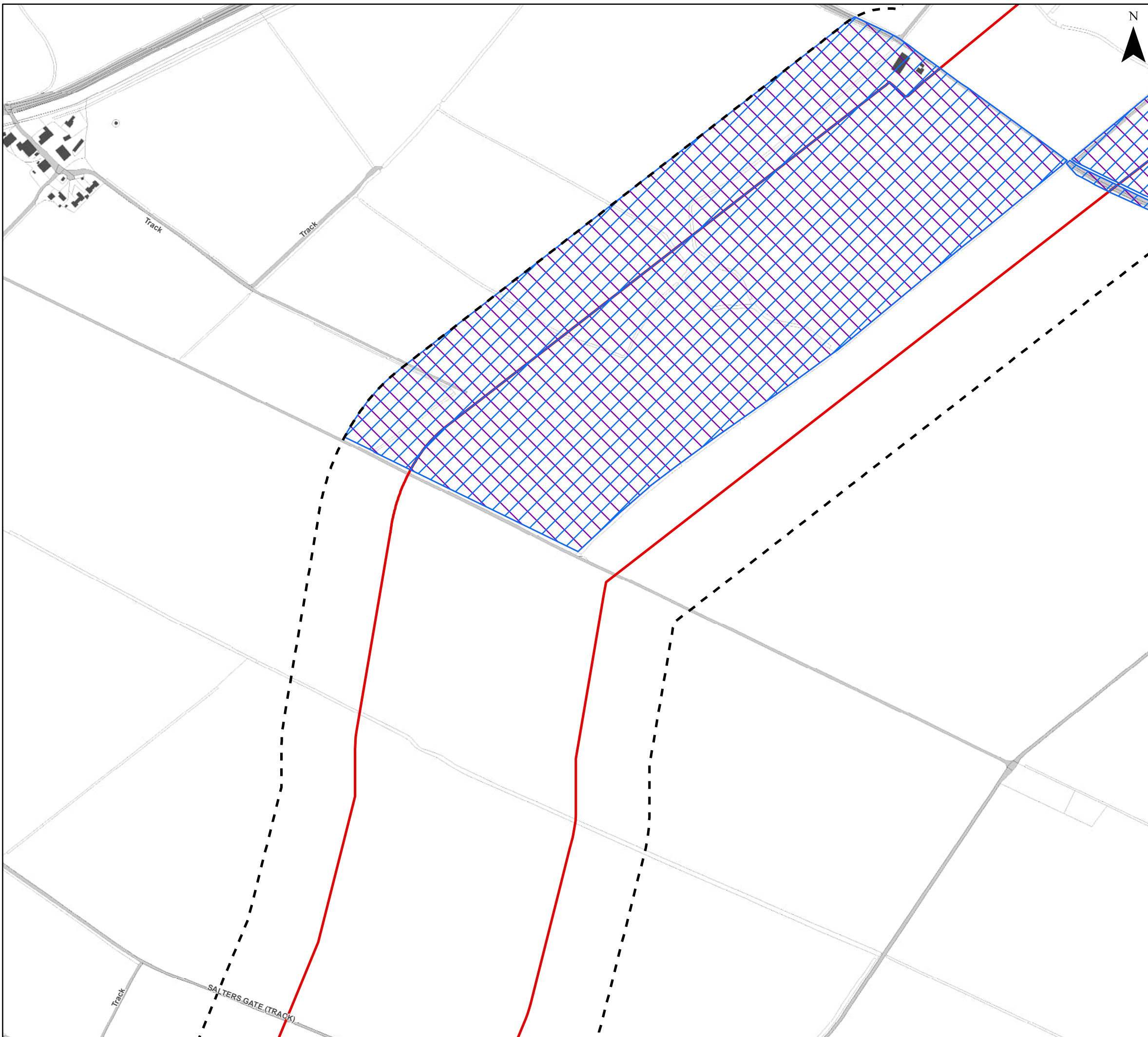


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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
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Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
 Bat Roost Potential

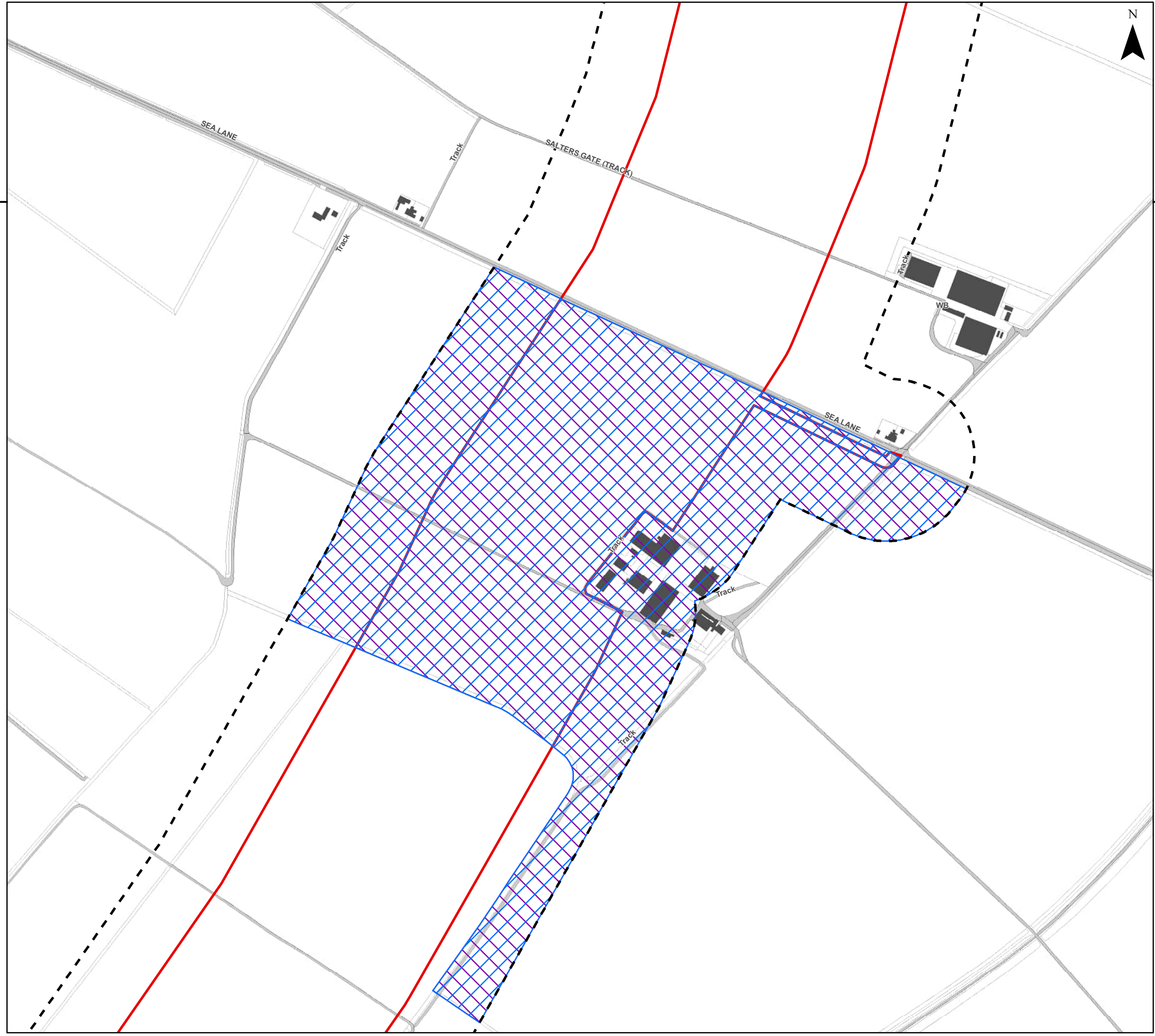
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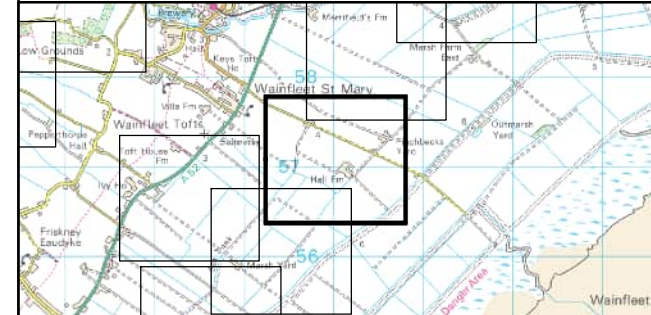
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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.18

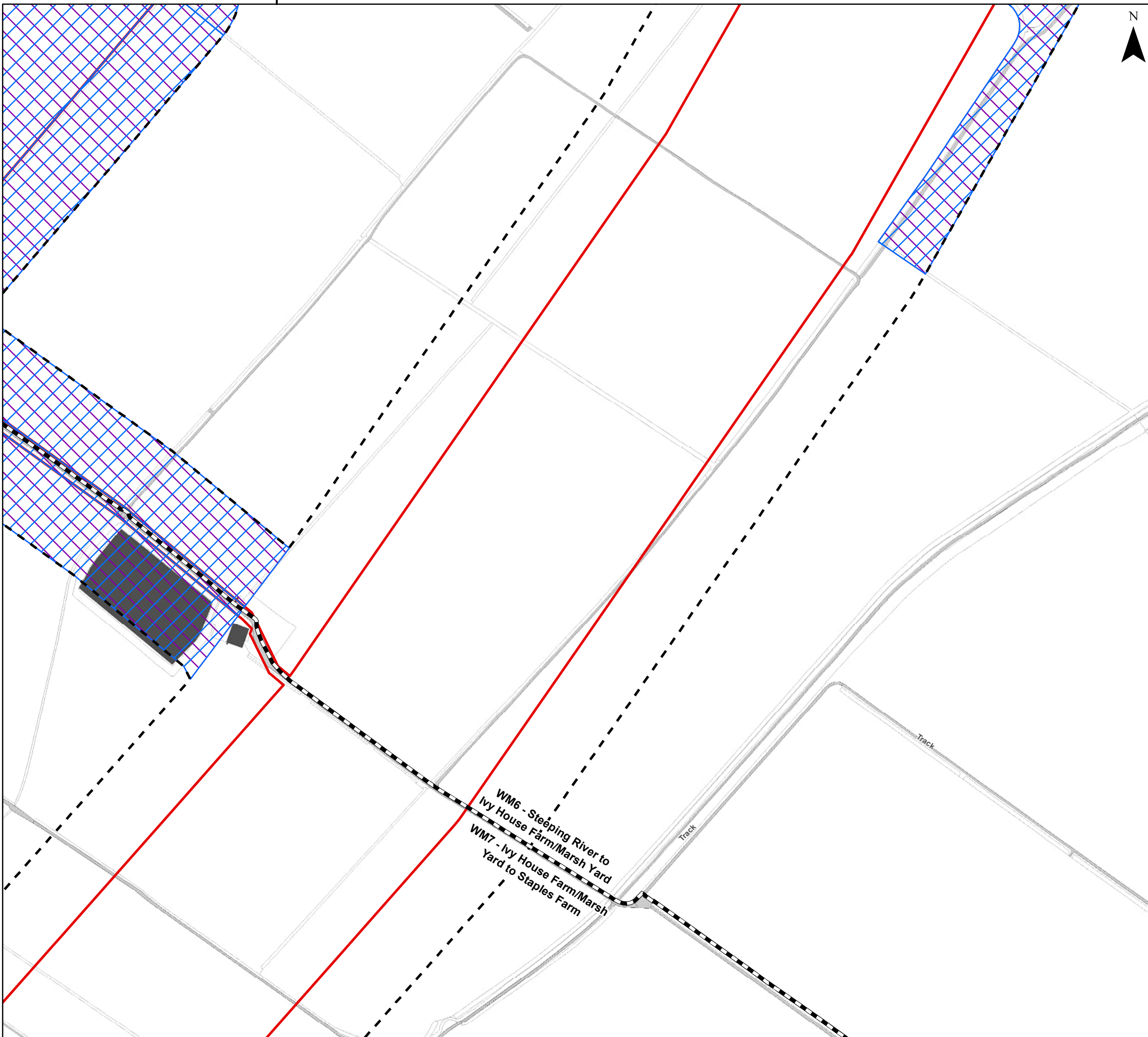


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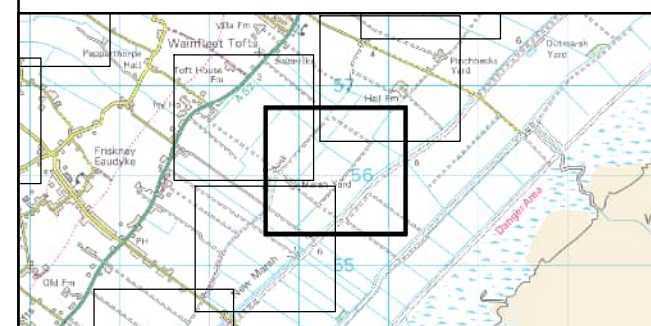
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.19



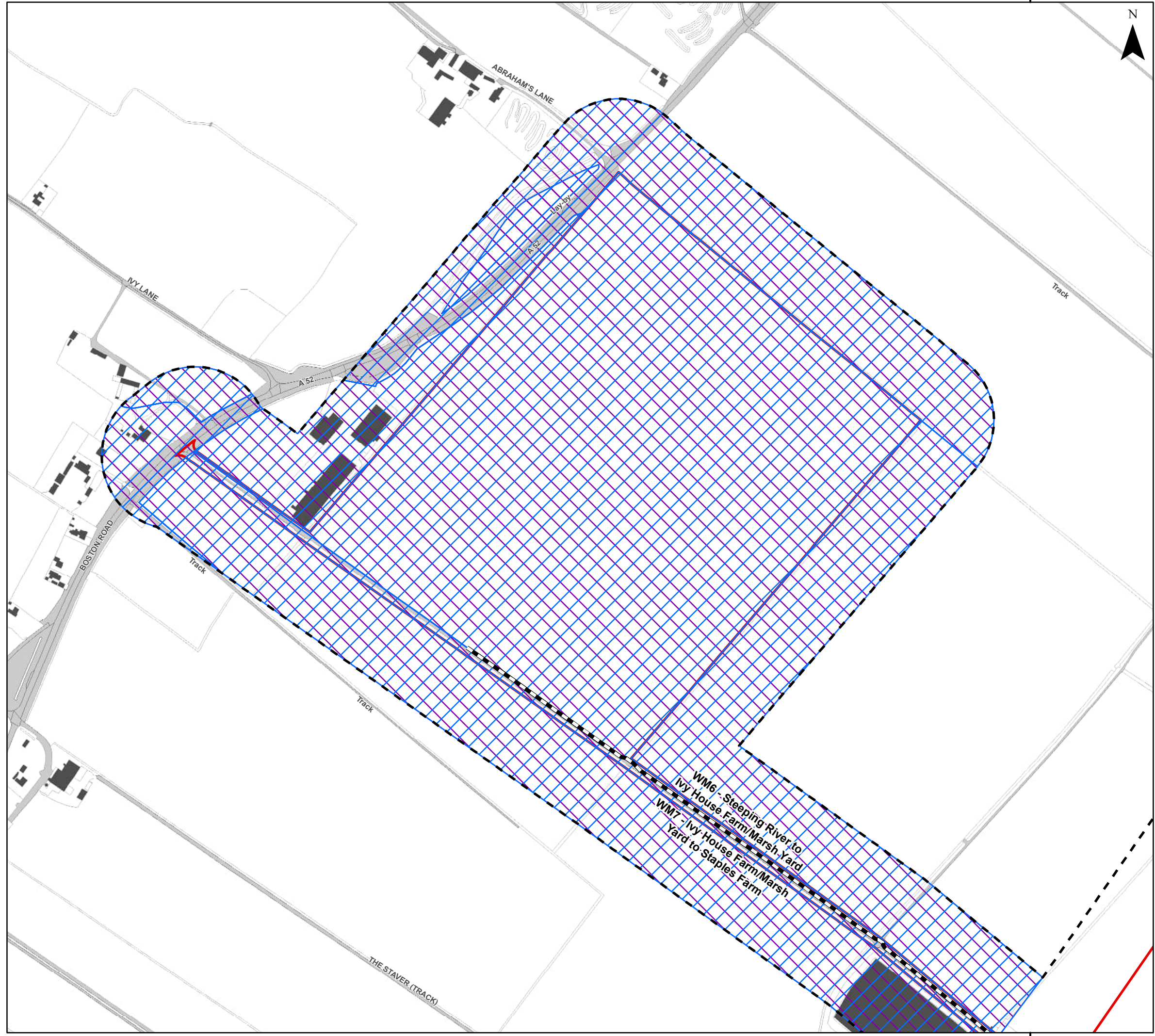
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


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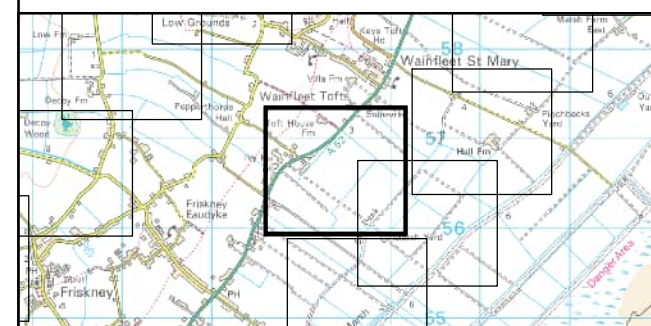




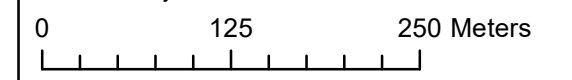
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Habitat Survey Area (Weston Marsh, Via South of the A52)
-  Trees Not Surveyed in this Area for Bat Roost Potential
-  Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

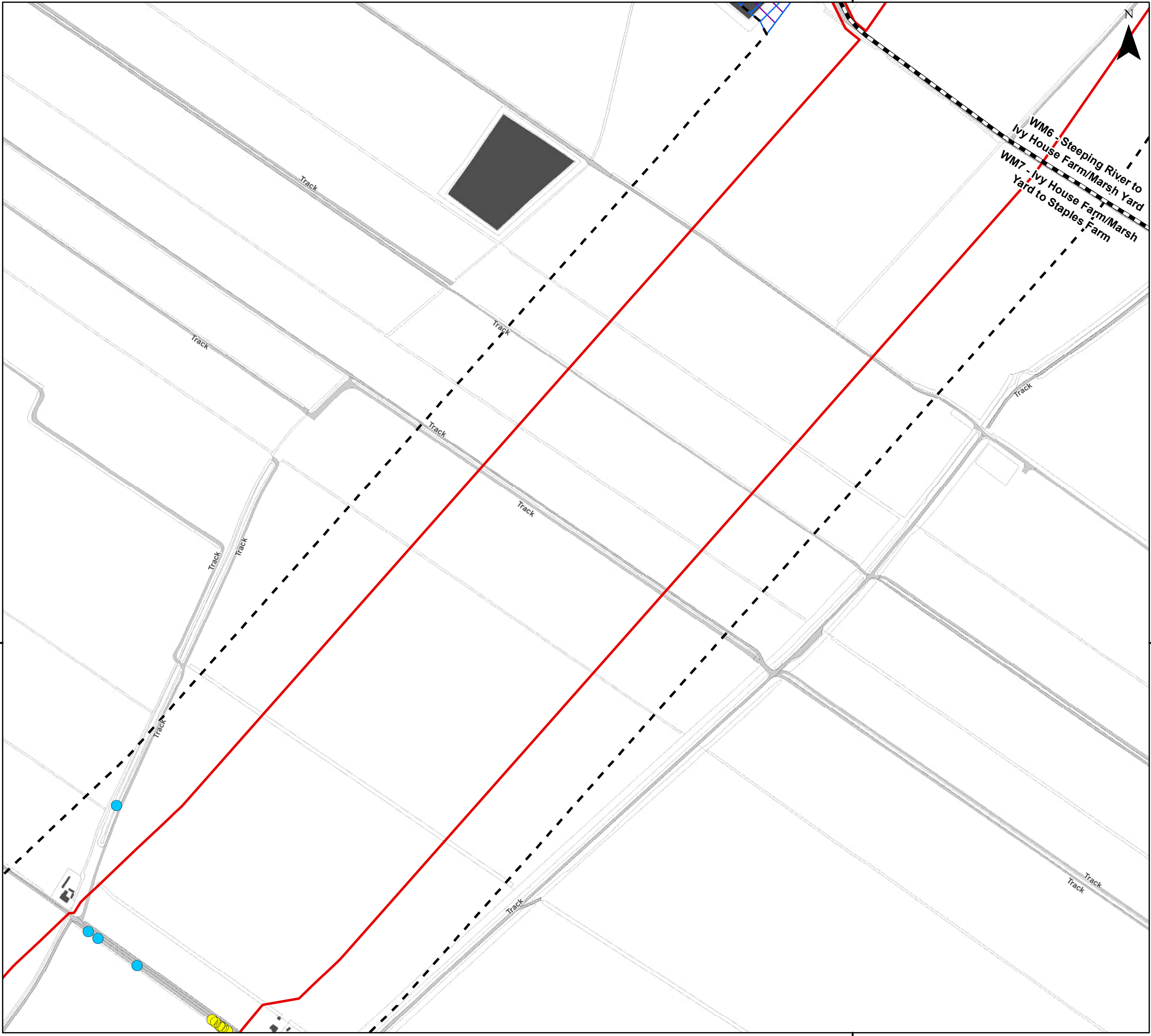
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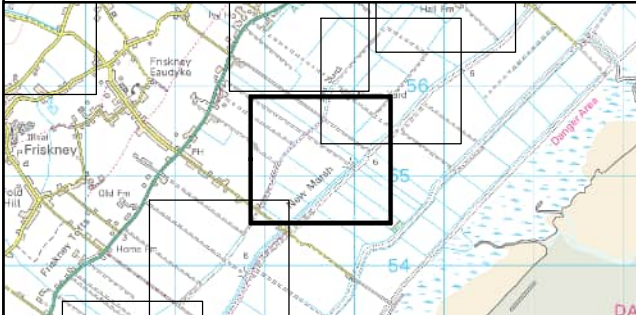


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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

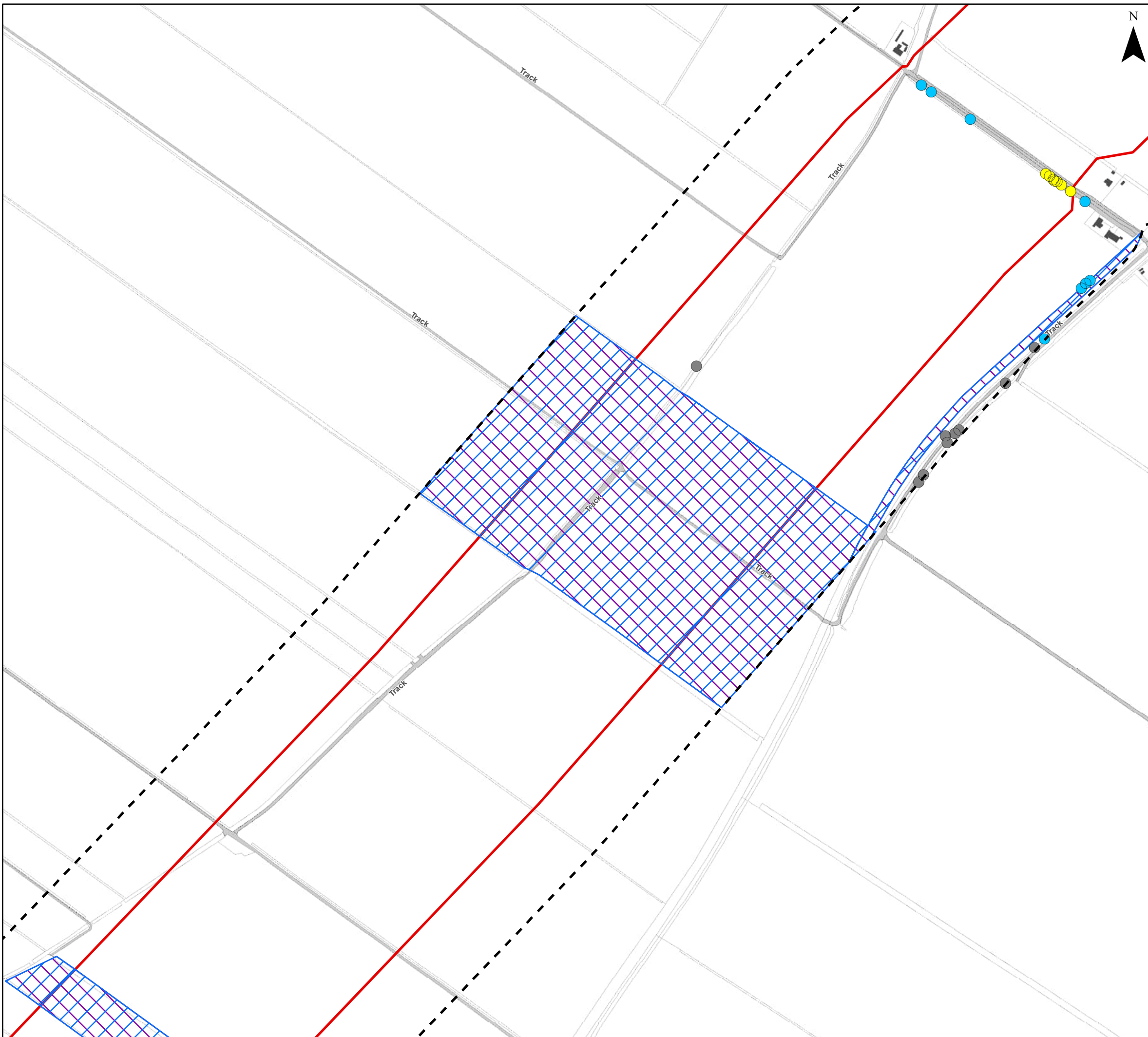
Figure 21.26.21



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**Legend**

- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.22

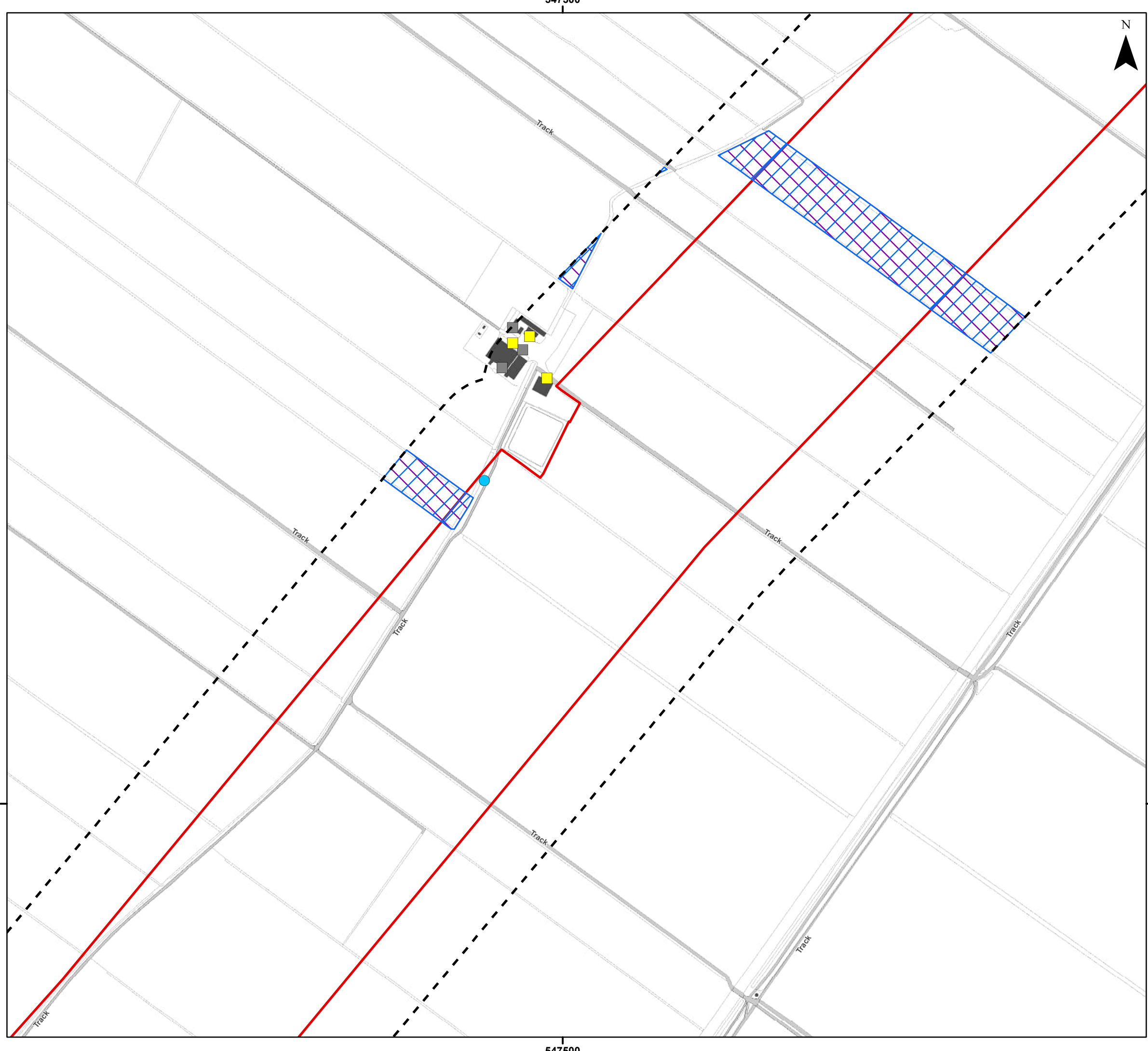


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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.23

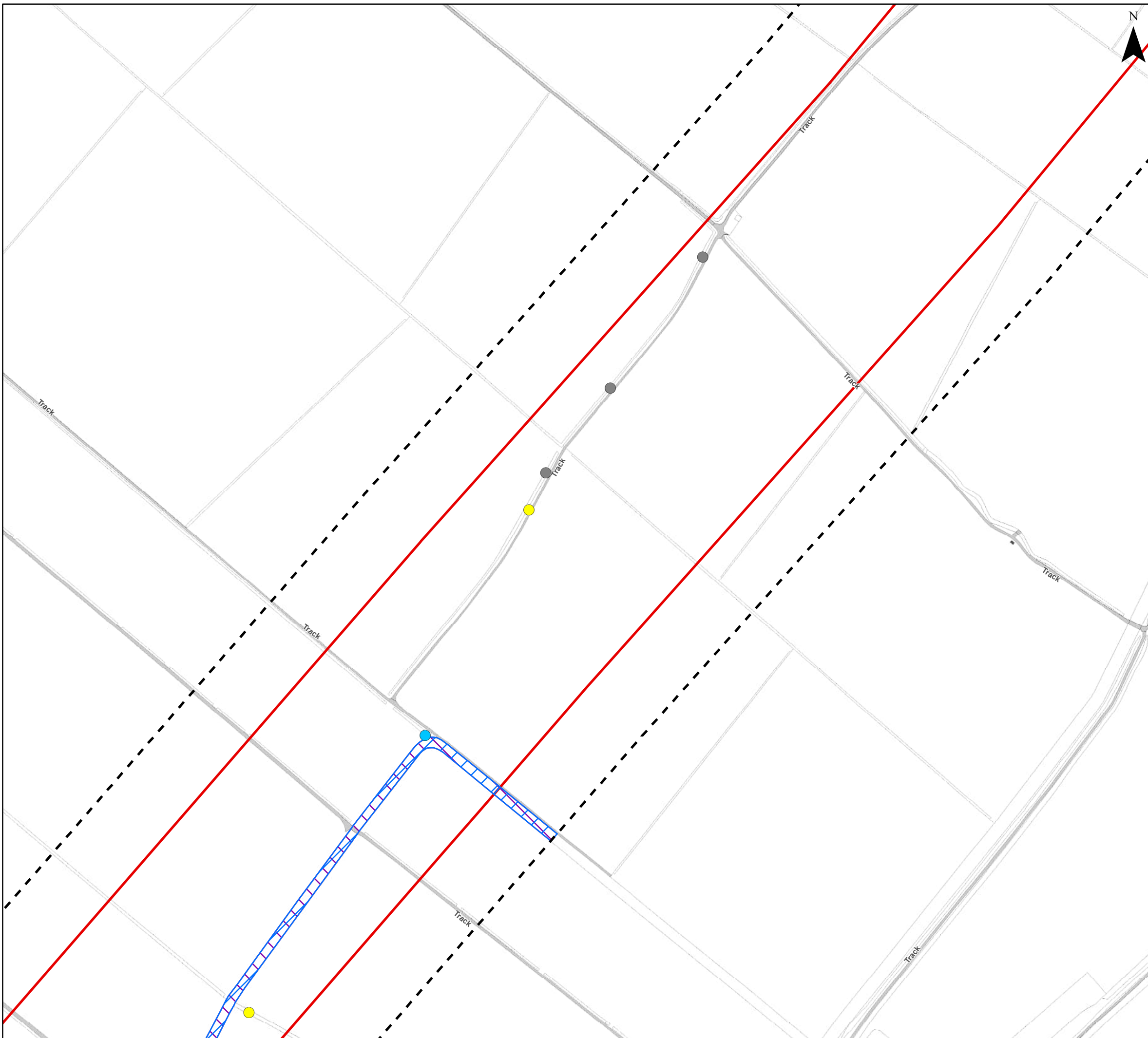


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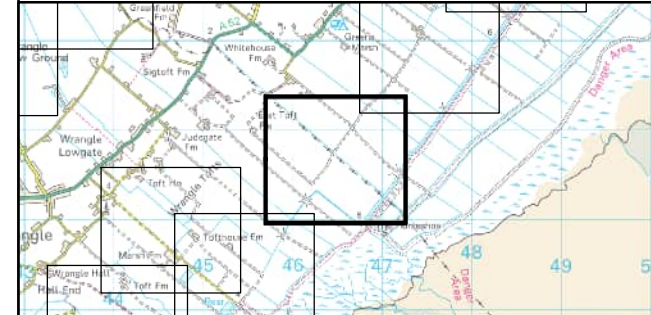
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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.24

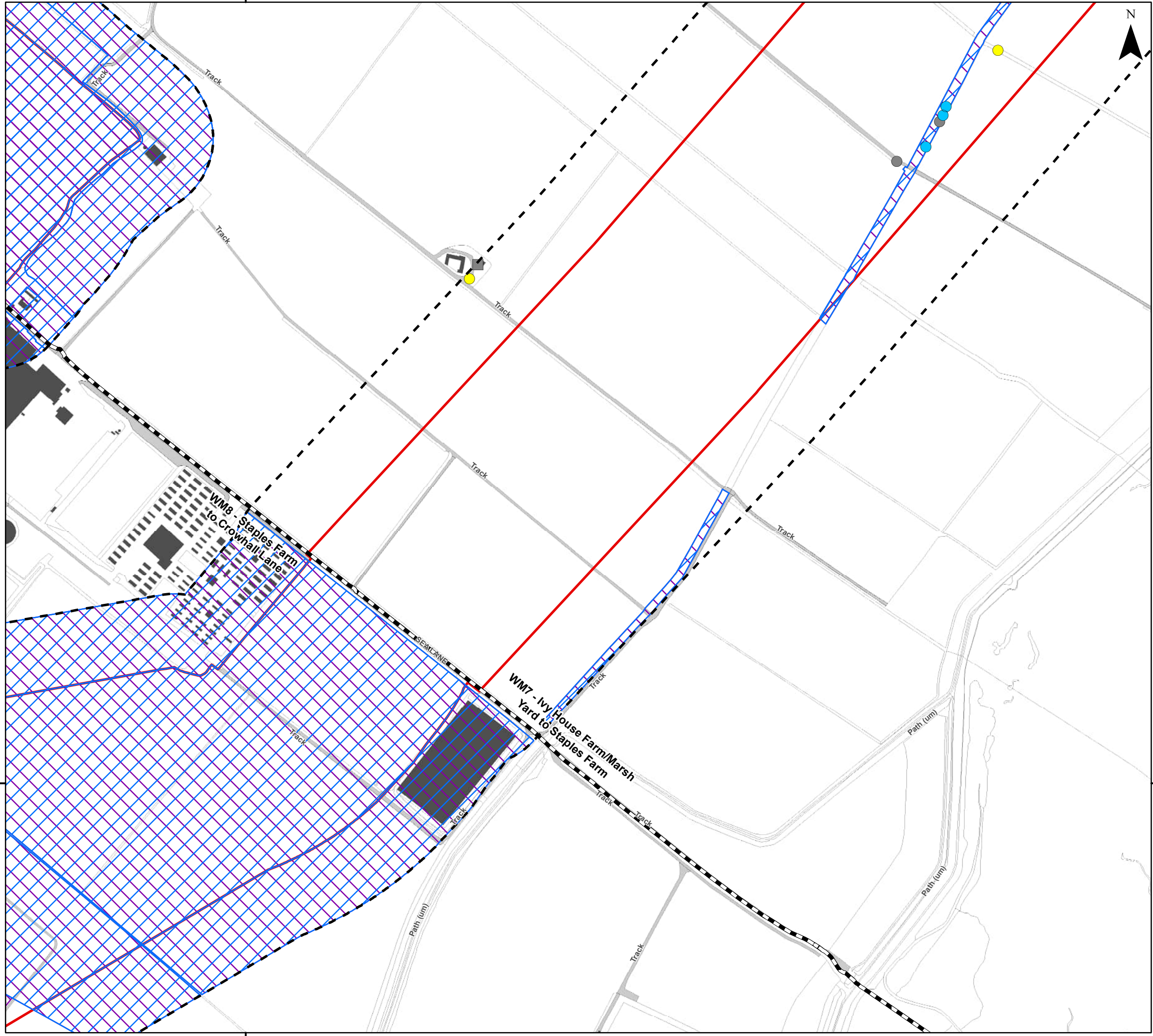


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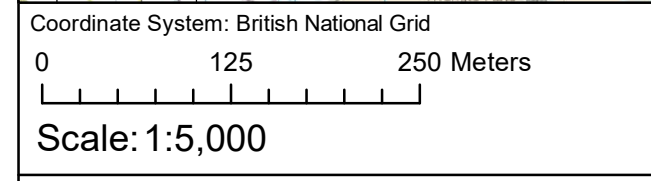
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### Legend

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.25



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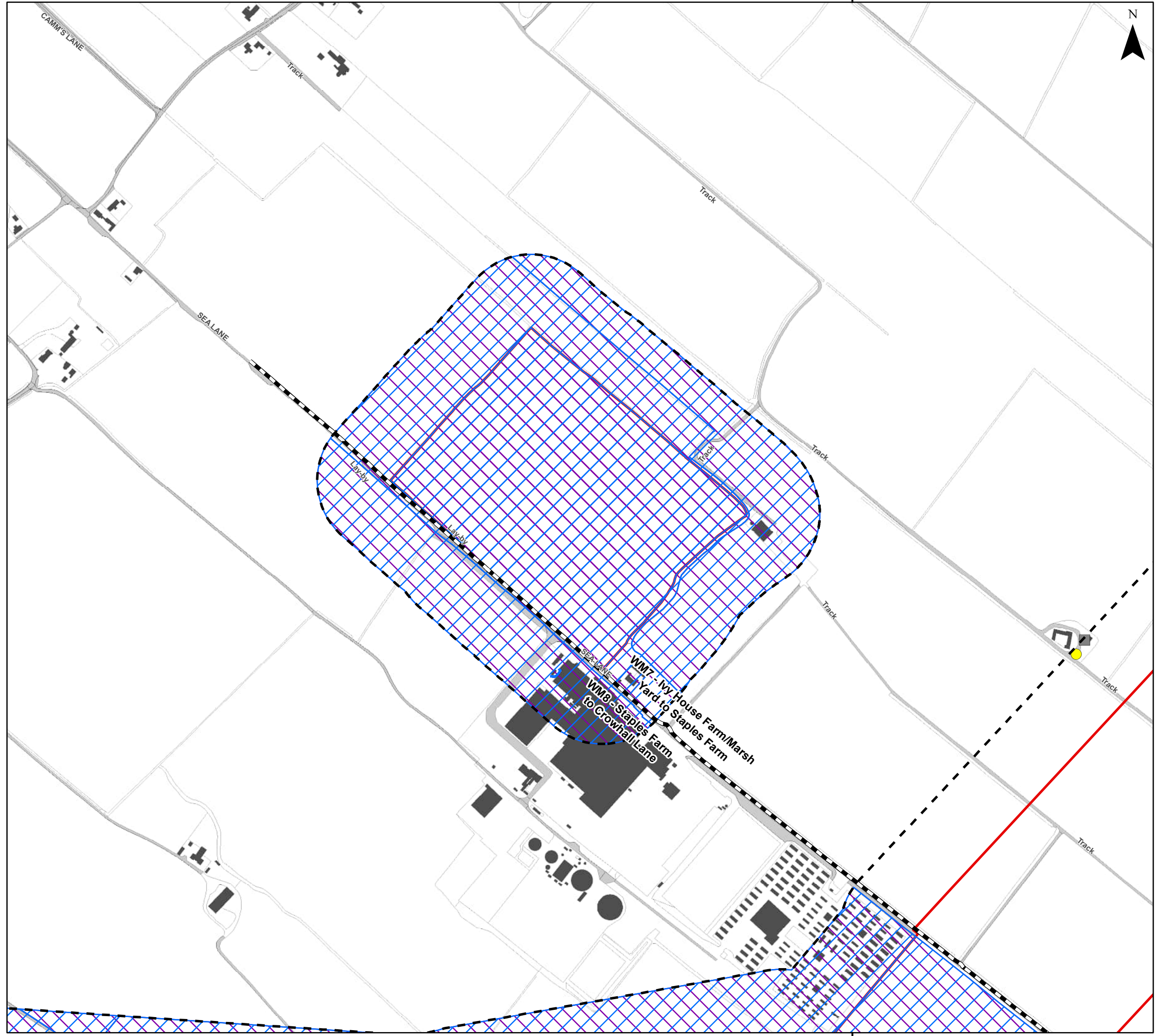
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### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Habitat Survey Area (Weston Marsh, Via South of the A52)
-  Trees Not Surveyed in this Area for Bat Roost Potential
-  Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
-  Negligible Potential
- Tree Preliminary Bat Roost Potential**
-  Moderate Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.26



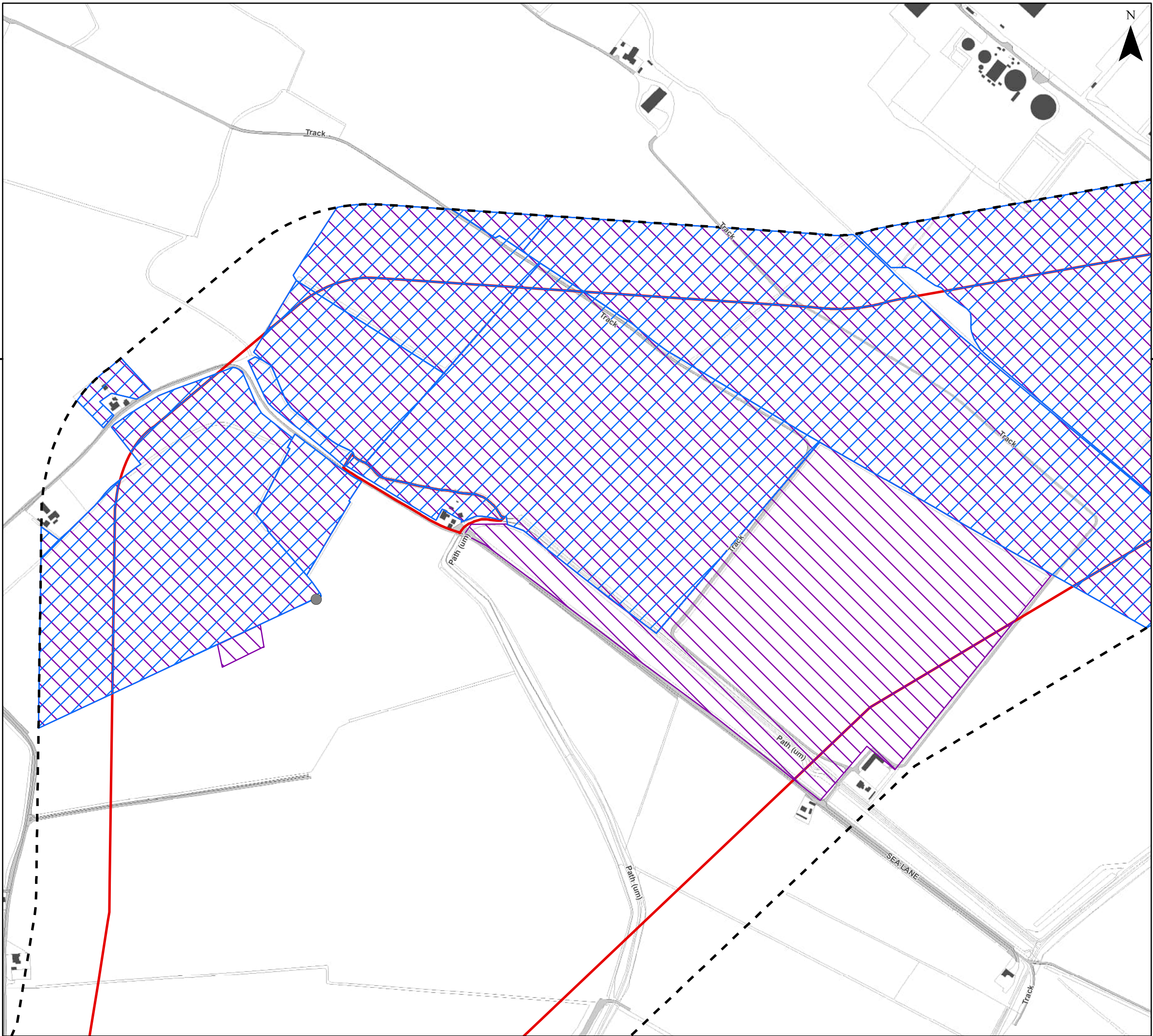
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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.27



Date: 25/05/2023  
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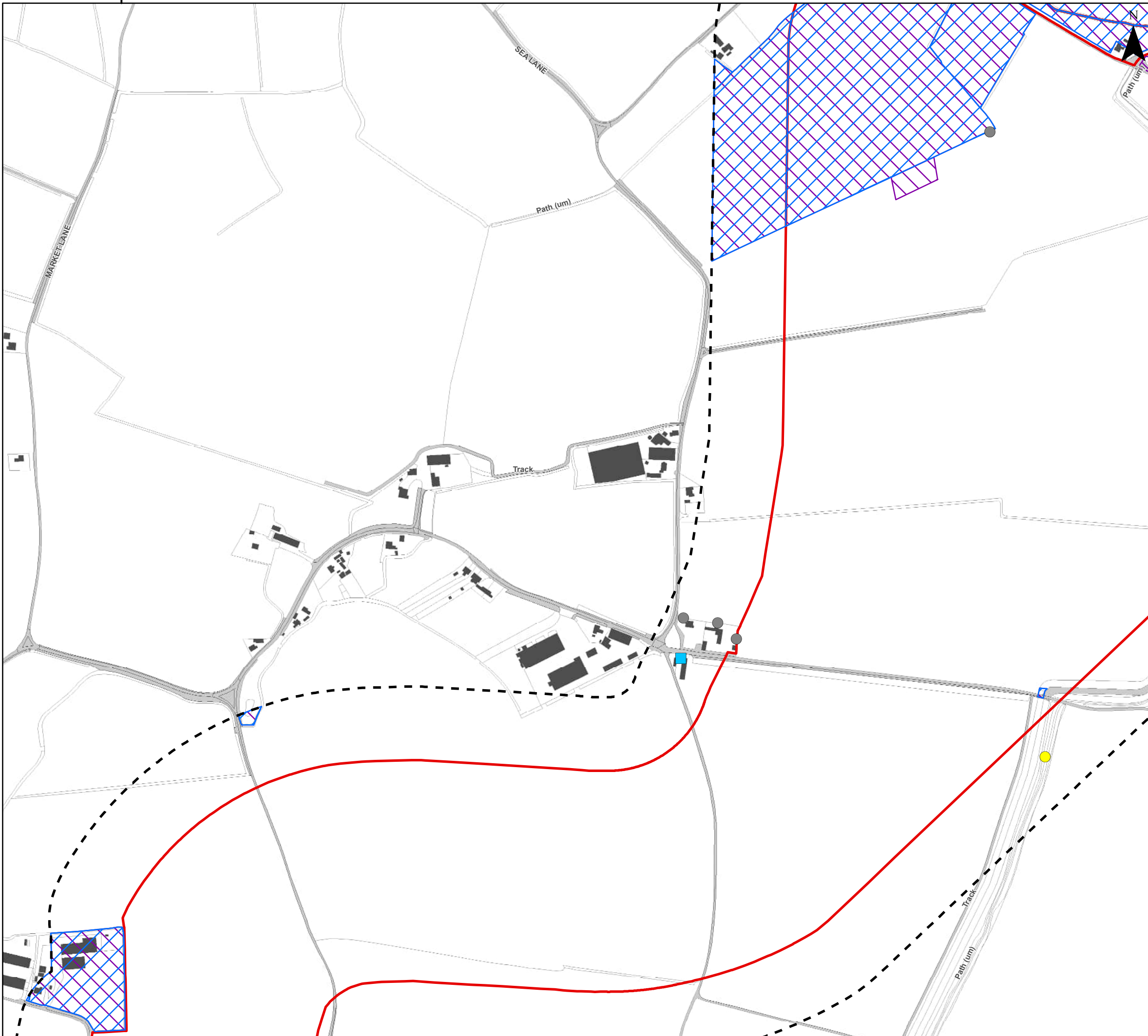


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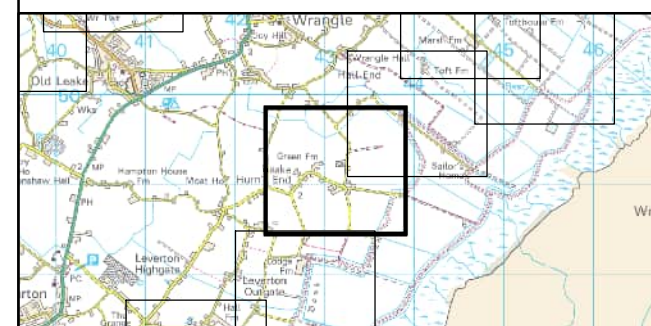


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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost**
- Low Potential
- Tree Preliminary Bat Roost**
- Moderate Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.28

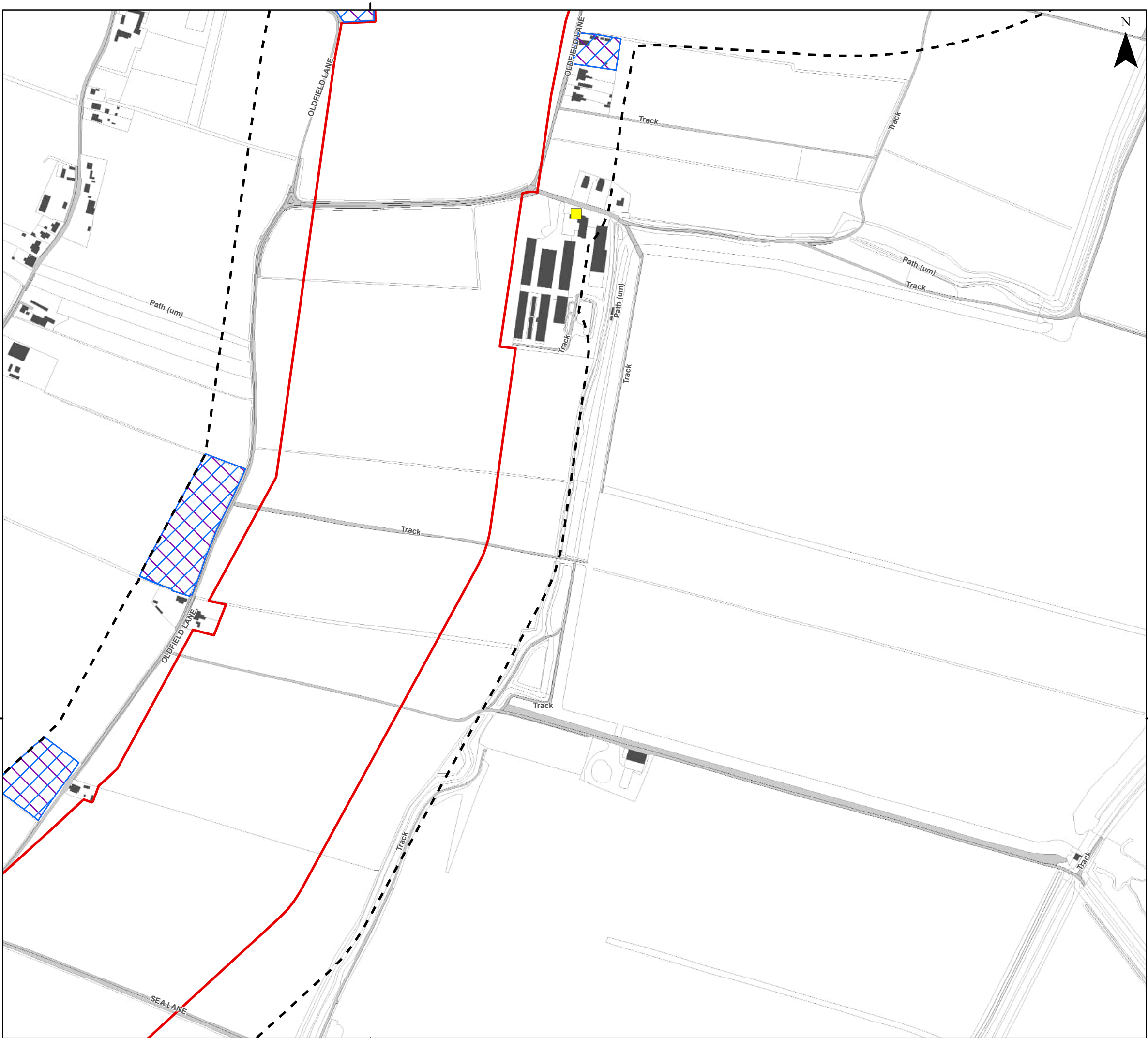


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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.29



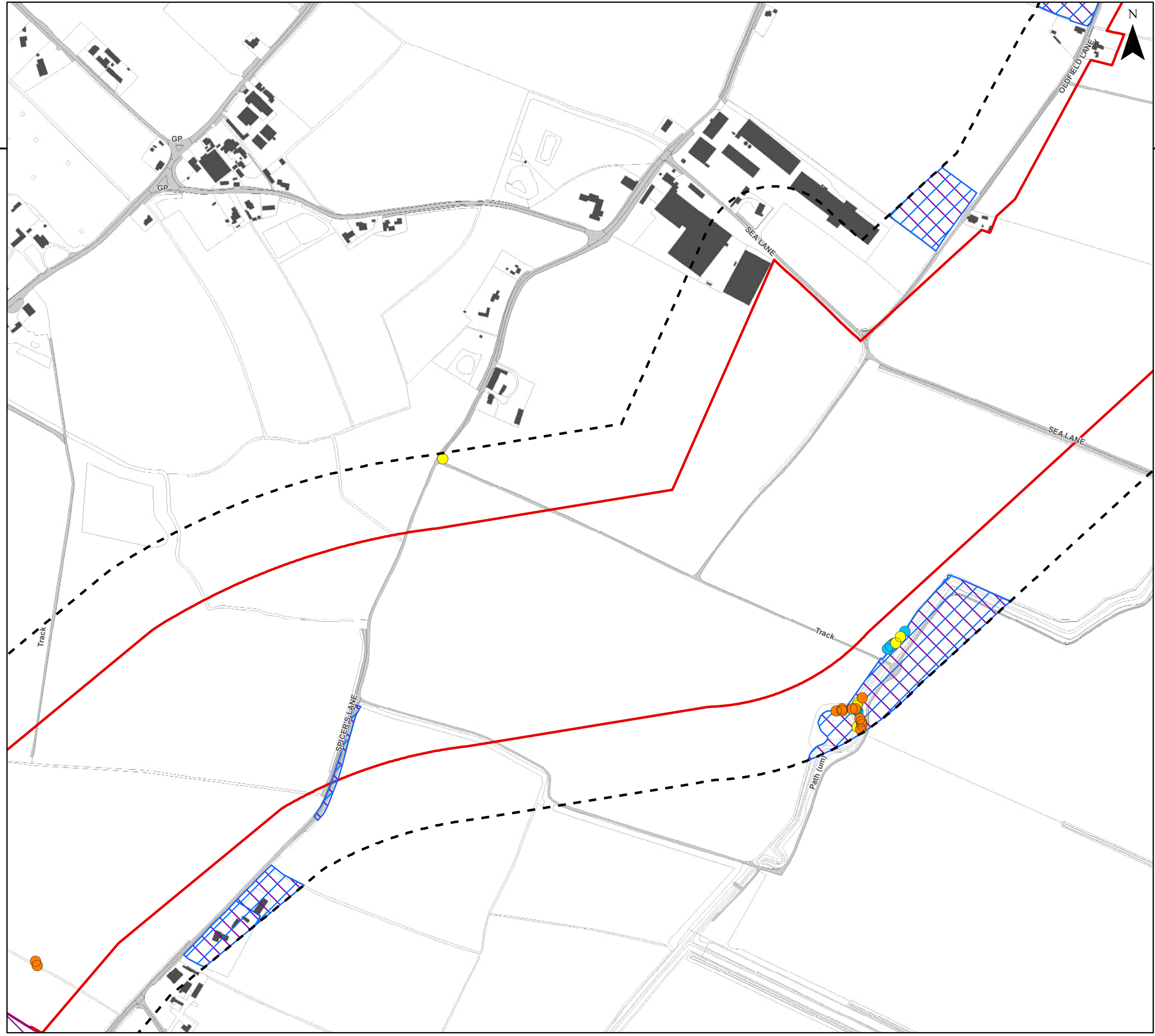
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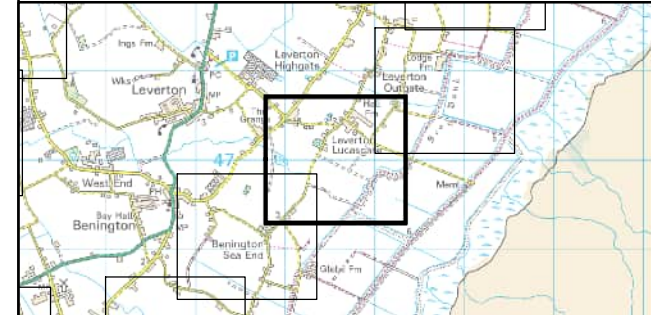
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### Legend

- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.30



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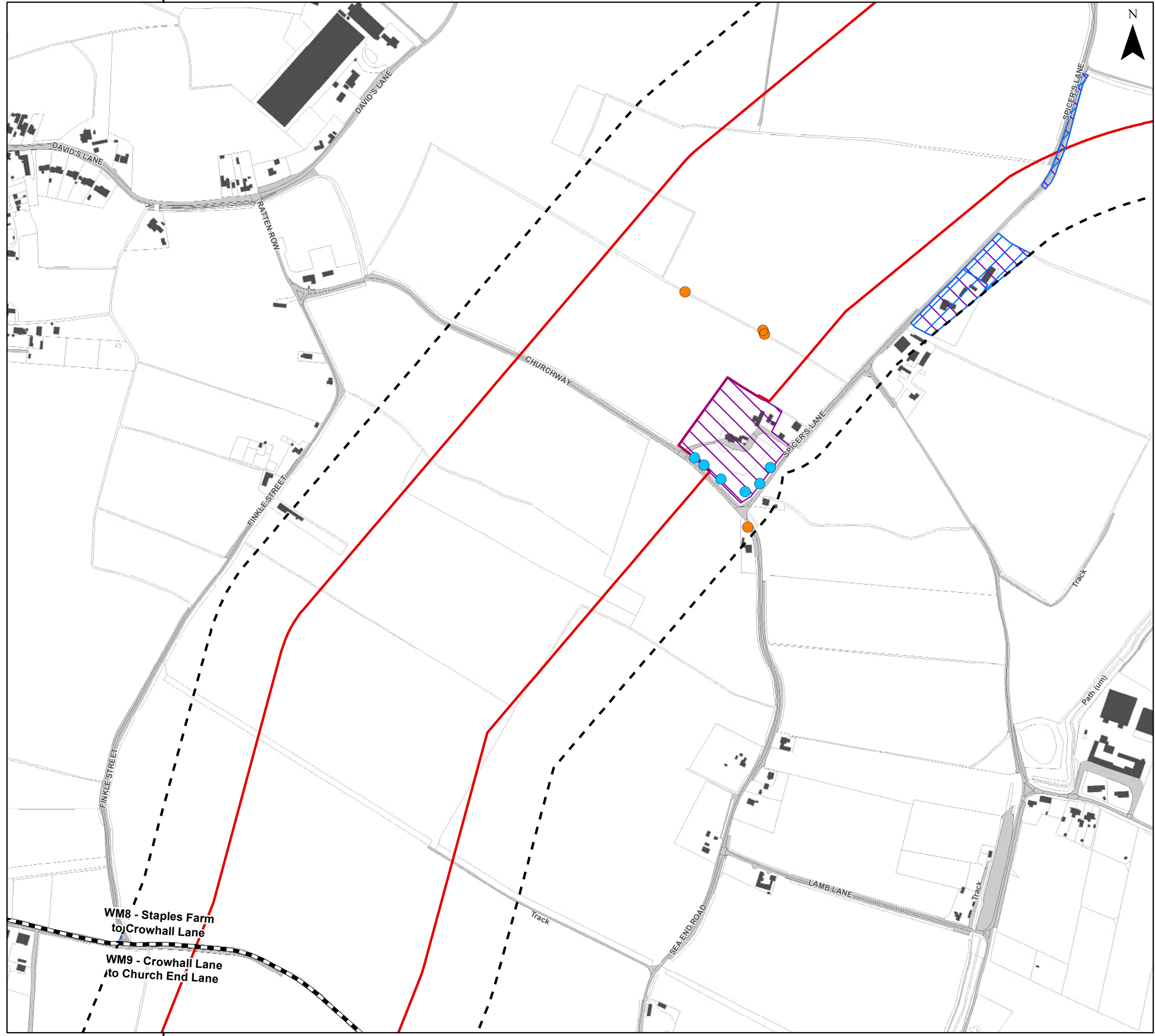


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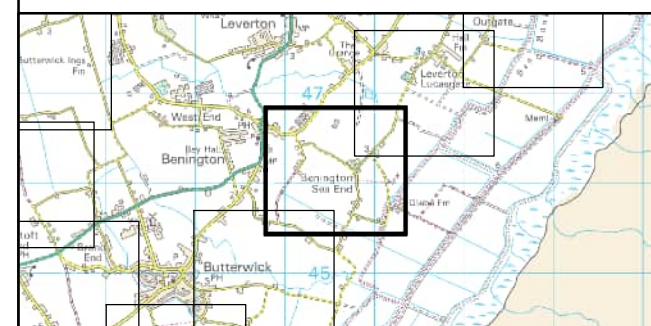
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### Legend

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Low Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.31

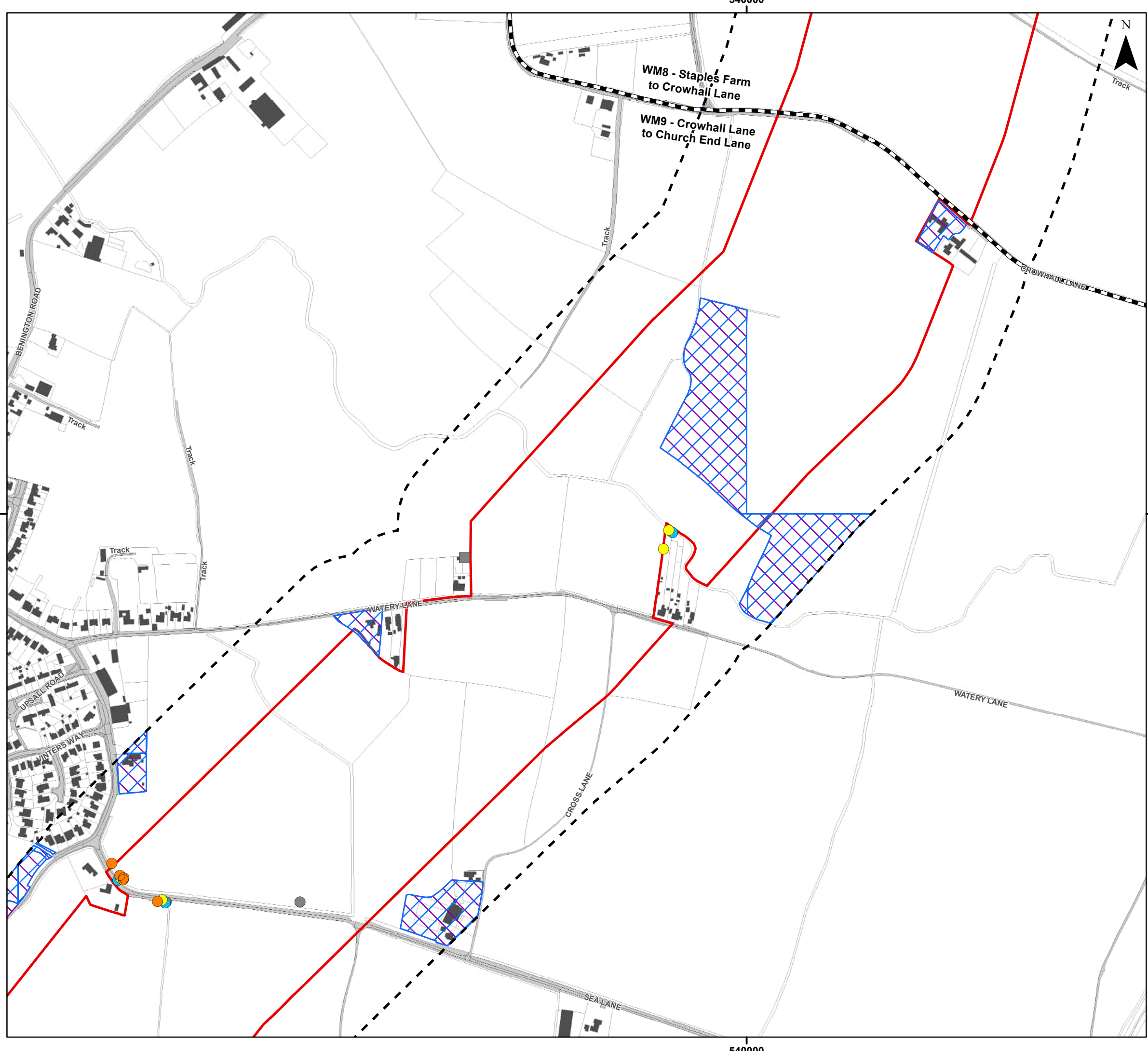


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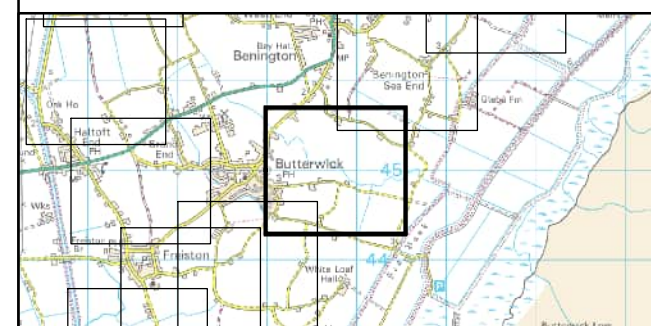
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:

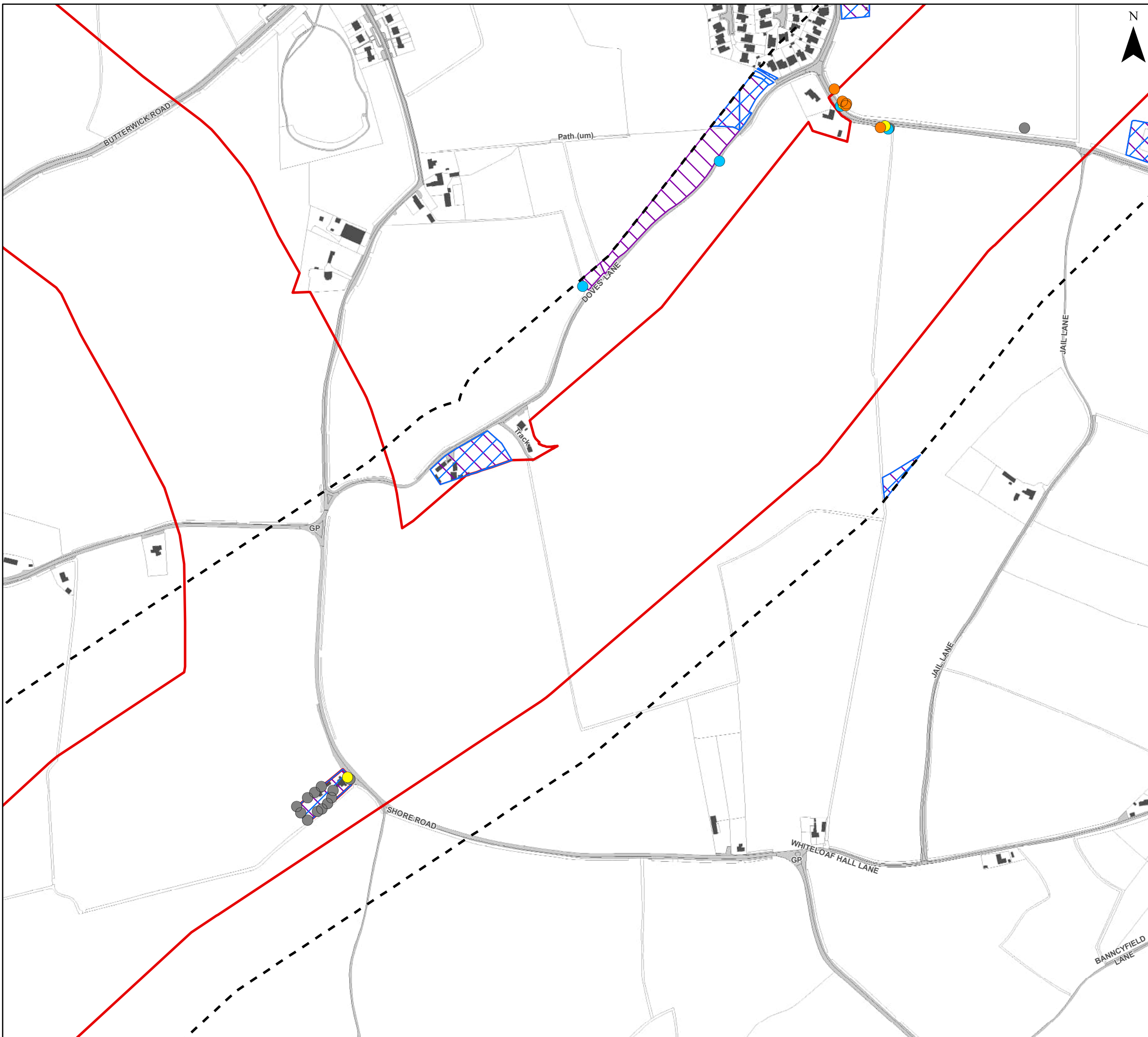


Coordinate System: British National Grid  
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 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.32



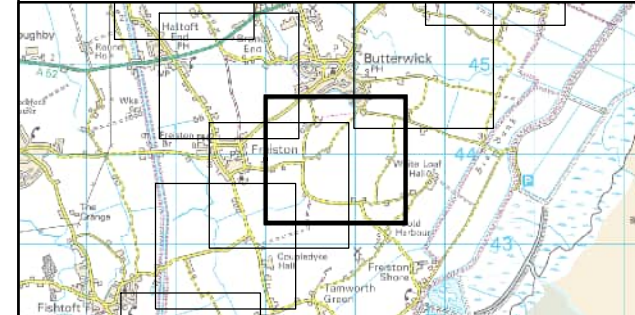
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**Legend**

- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.33



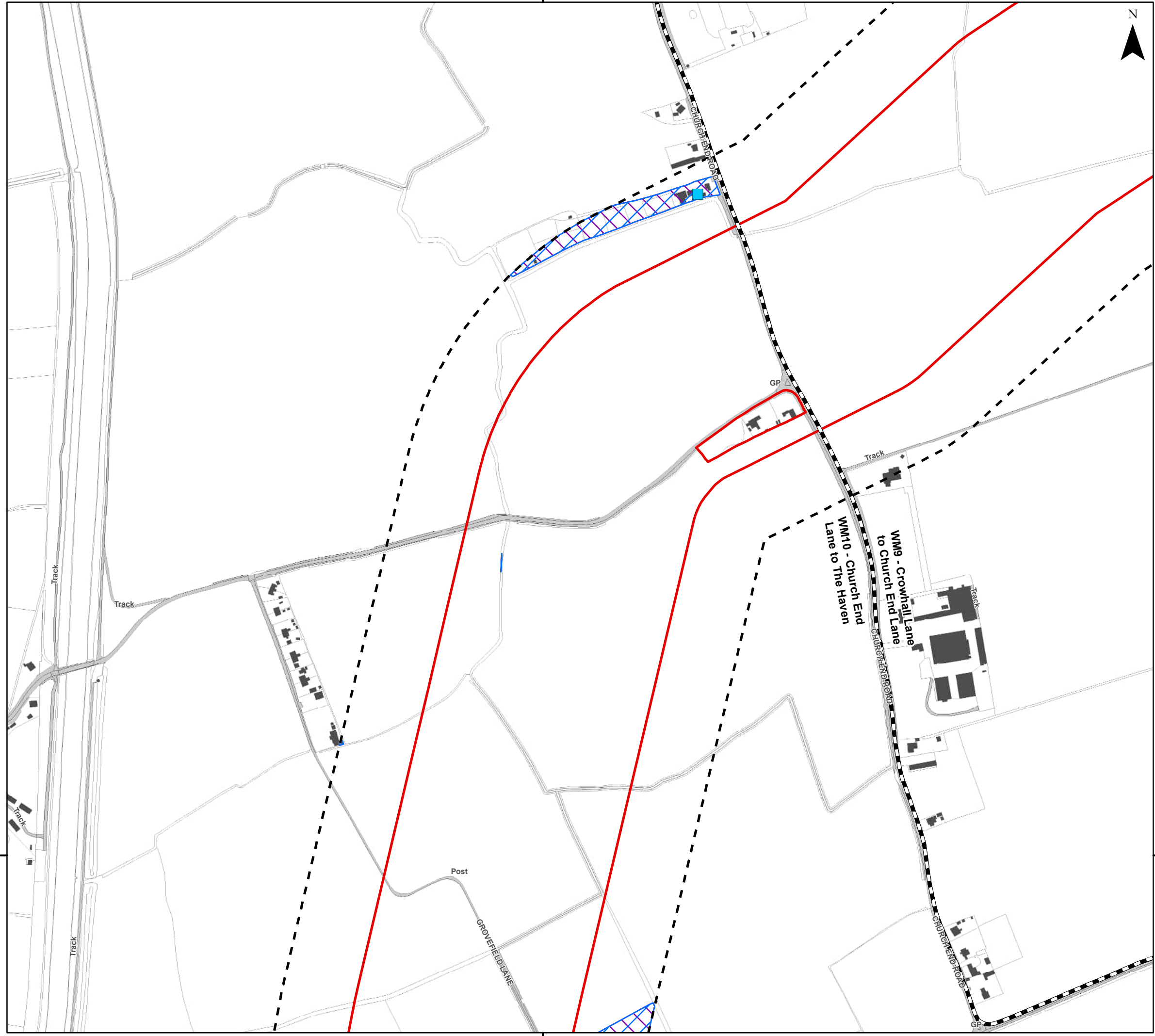
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537500



### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Habitat Survey Area (Weston Marsh, Via South of the A52)
-  Trees Not Surveyed in this Area for Bat Roost Potential
-  Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
-  Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.34



Date: 25/05/2023  
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 Revision: 0.1



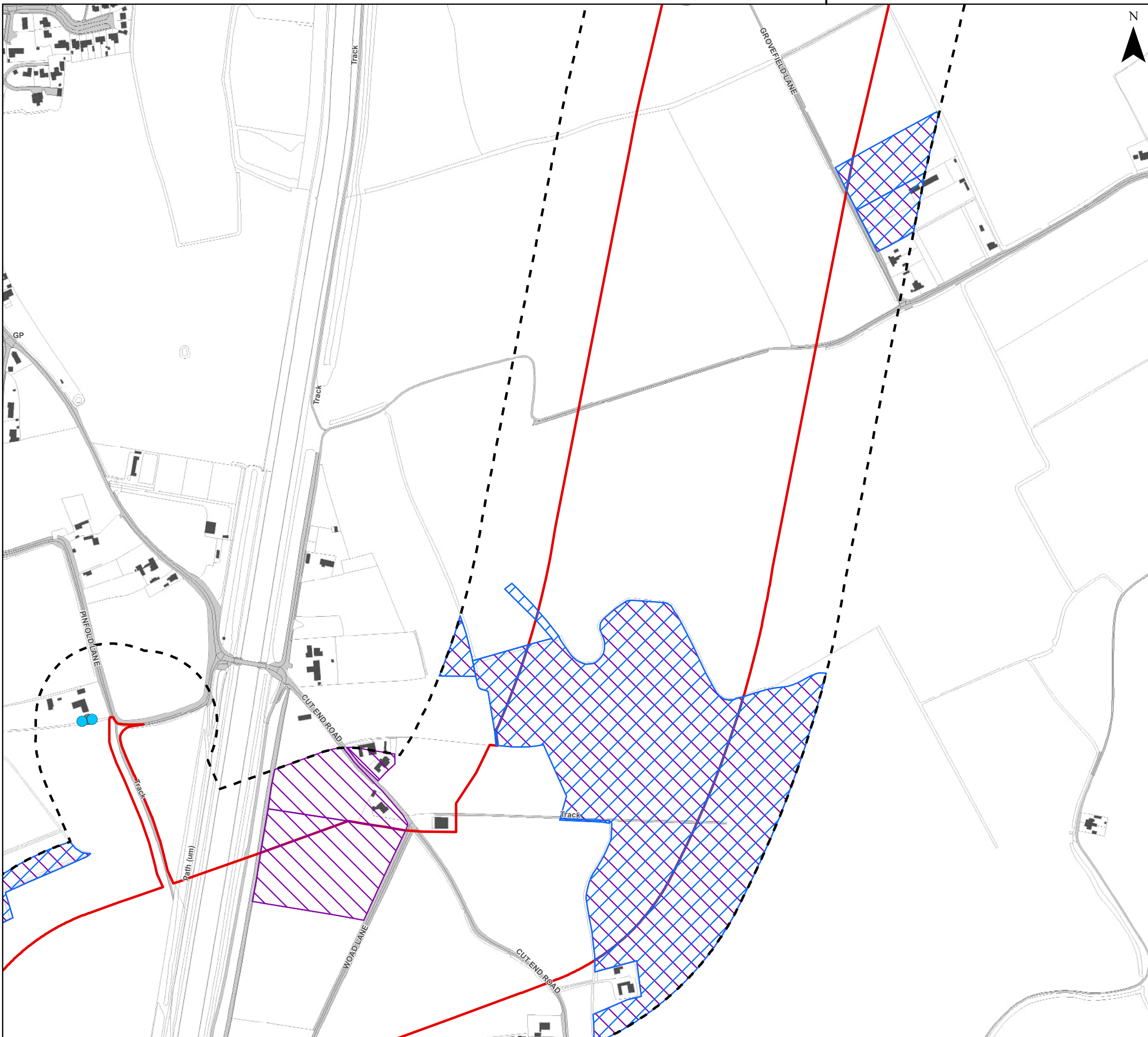
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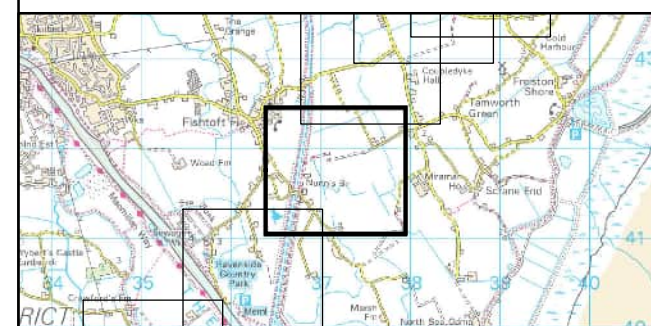
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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.35

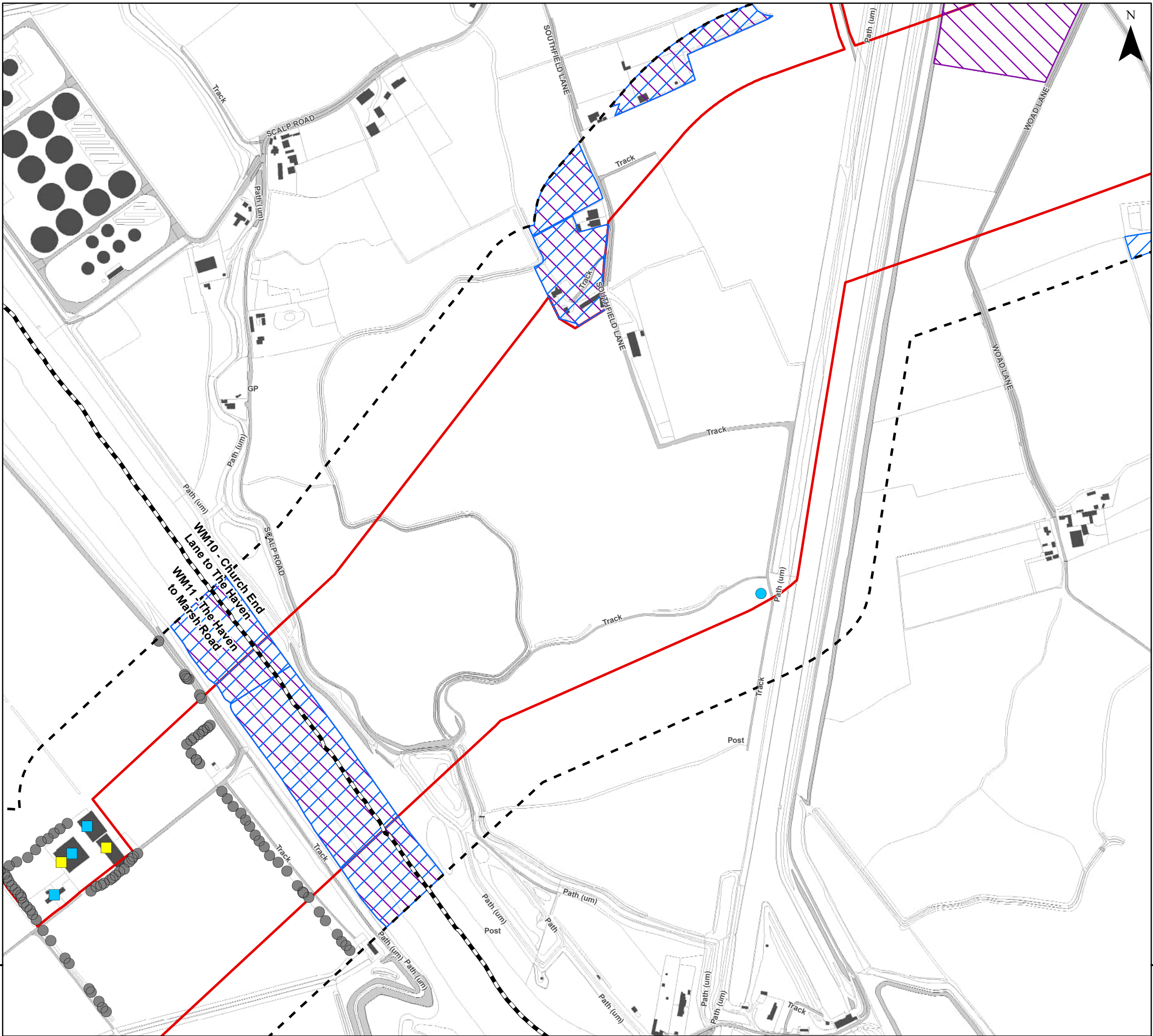


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.36



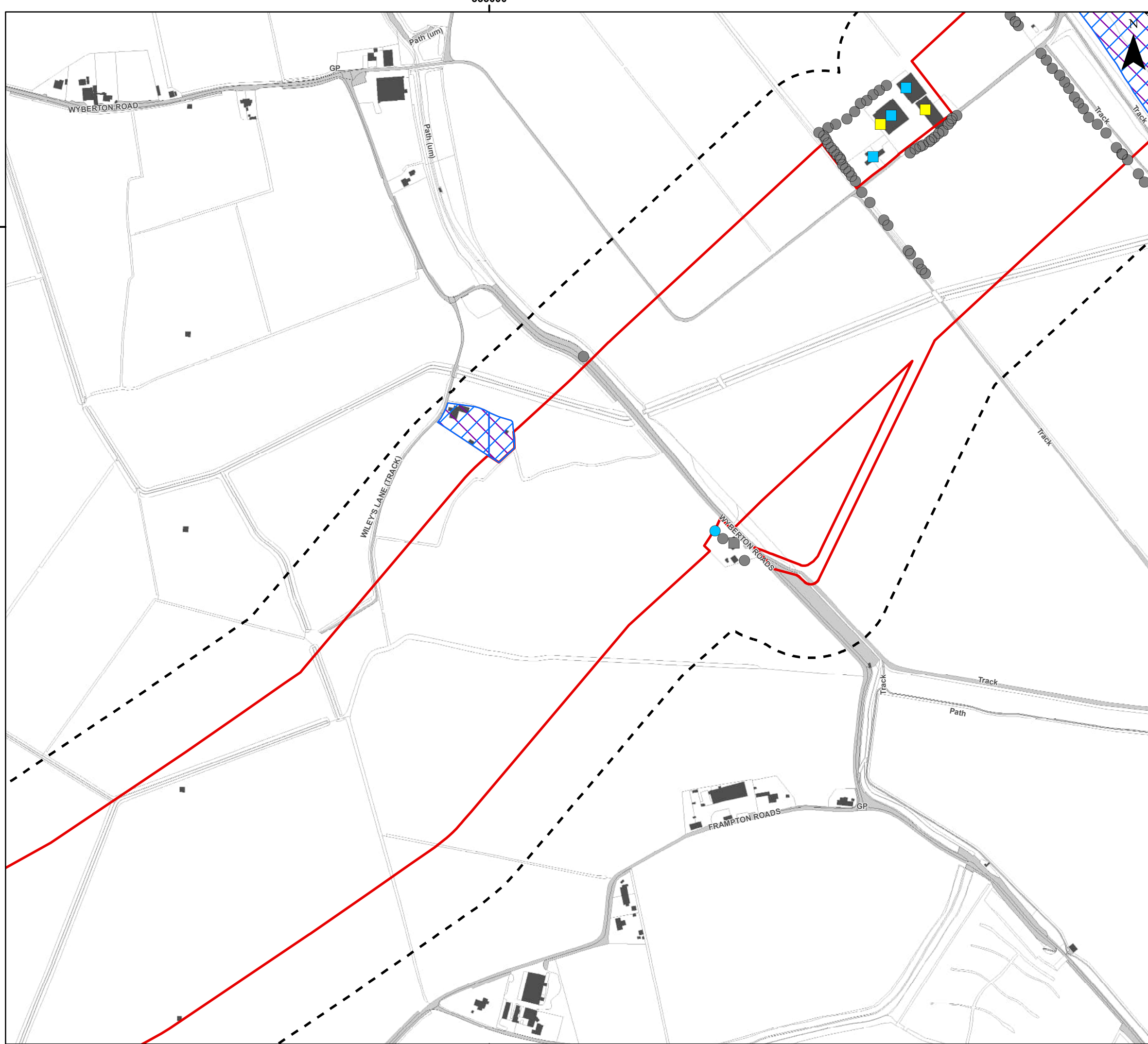
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential

Sources:

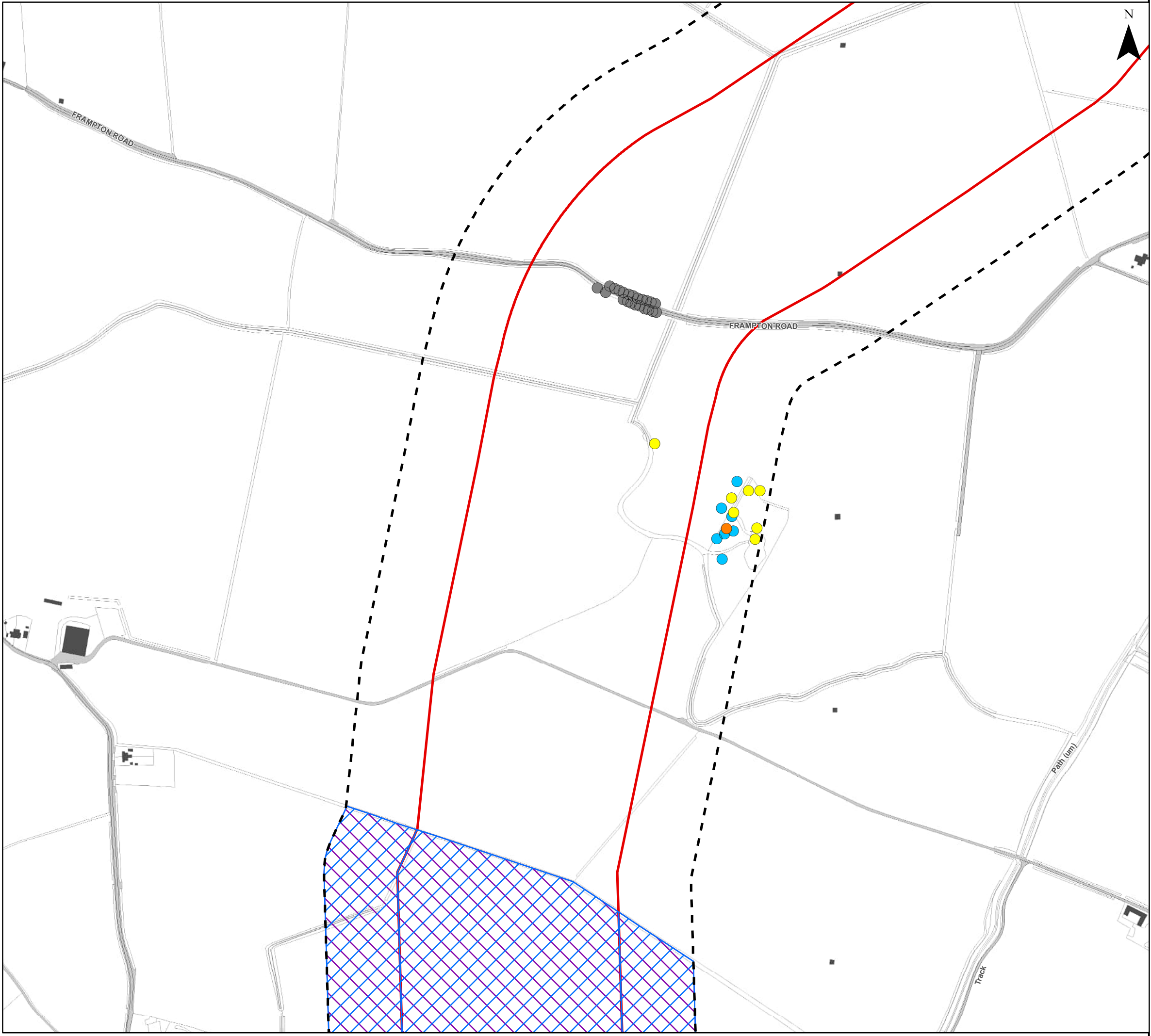


Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.37

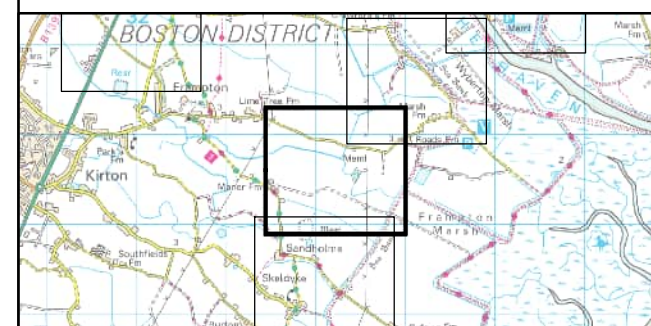


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- Legend**
- Onshore PEIR Boundary
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

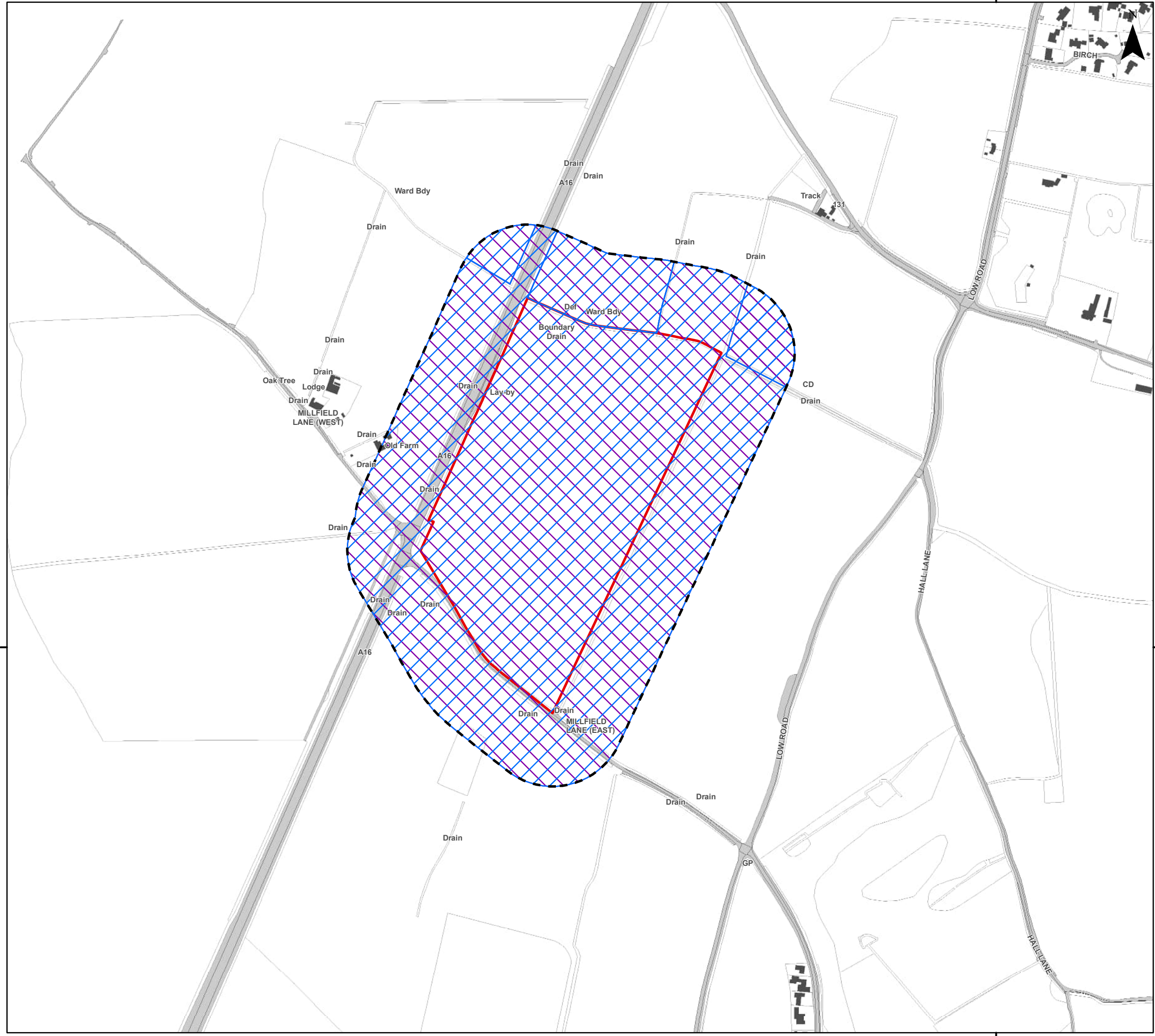
Figure 21.26.38



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### Legend

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

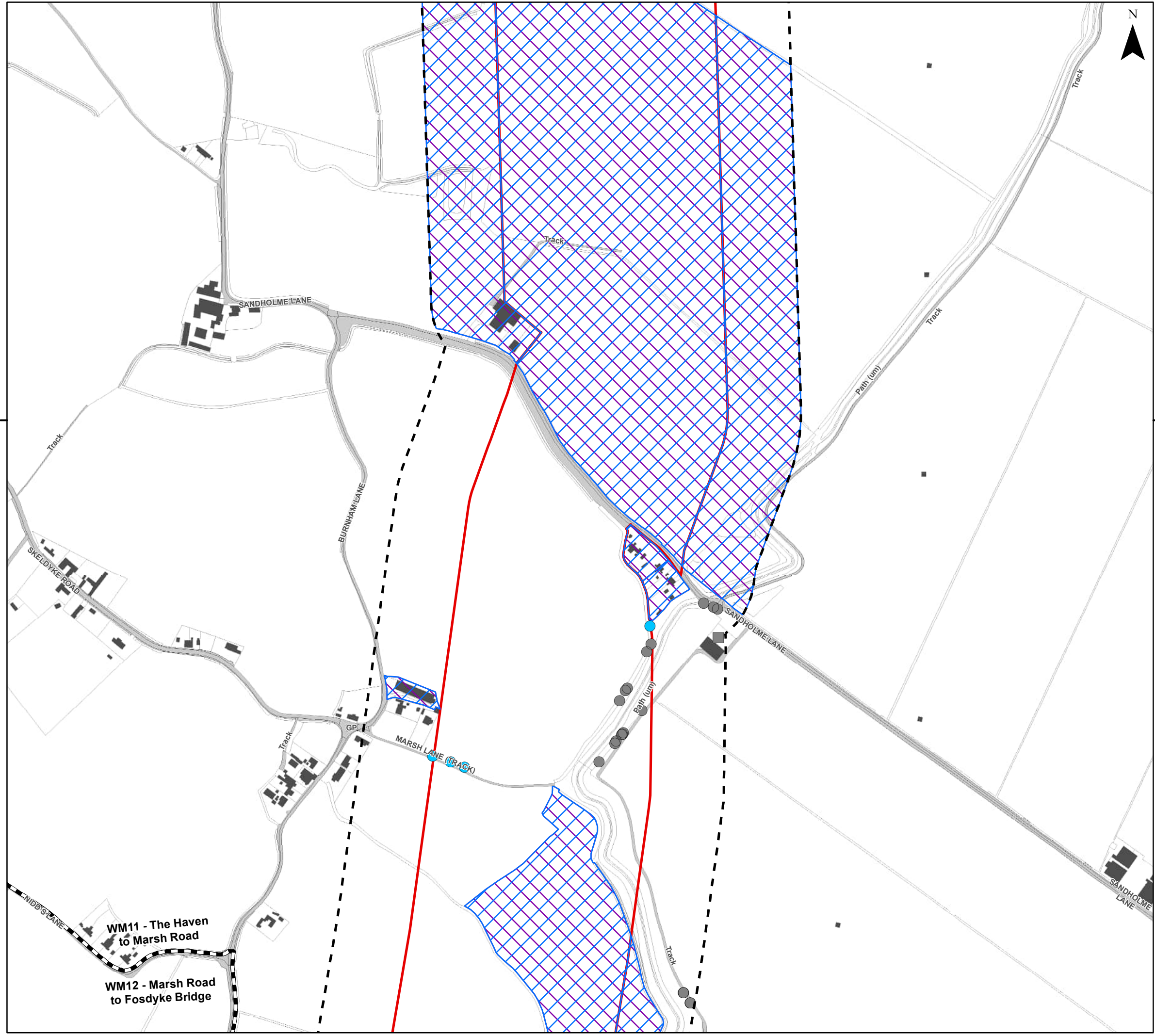
Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.39



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 Revision: 0.1



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost**
- Negligible Potential
- Tree Preliminary Bat Roost**
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
 Bat Roost Potential

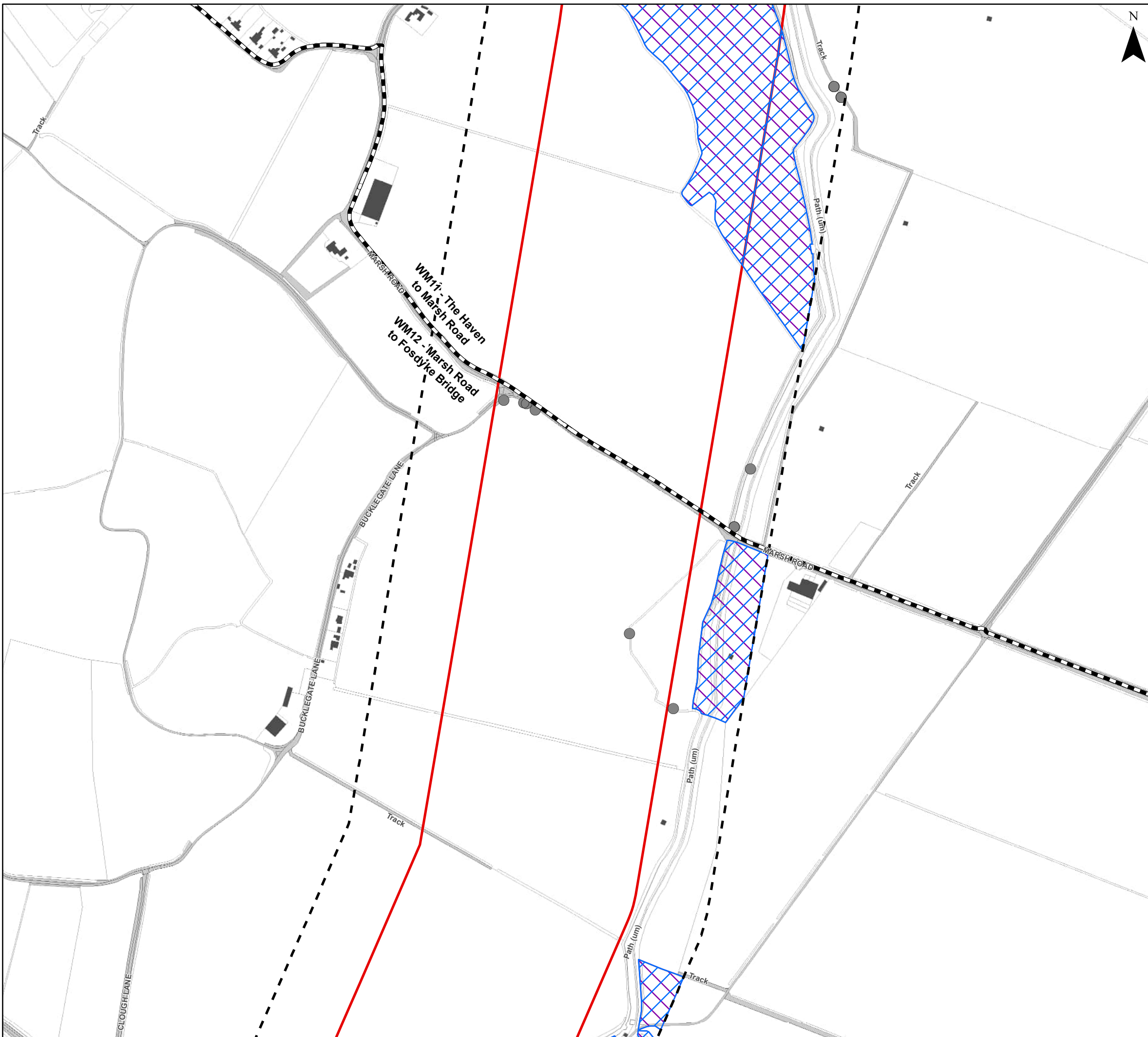
Figure 21.26.40



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

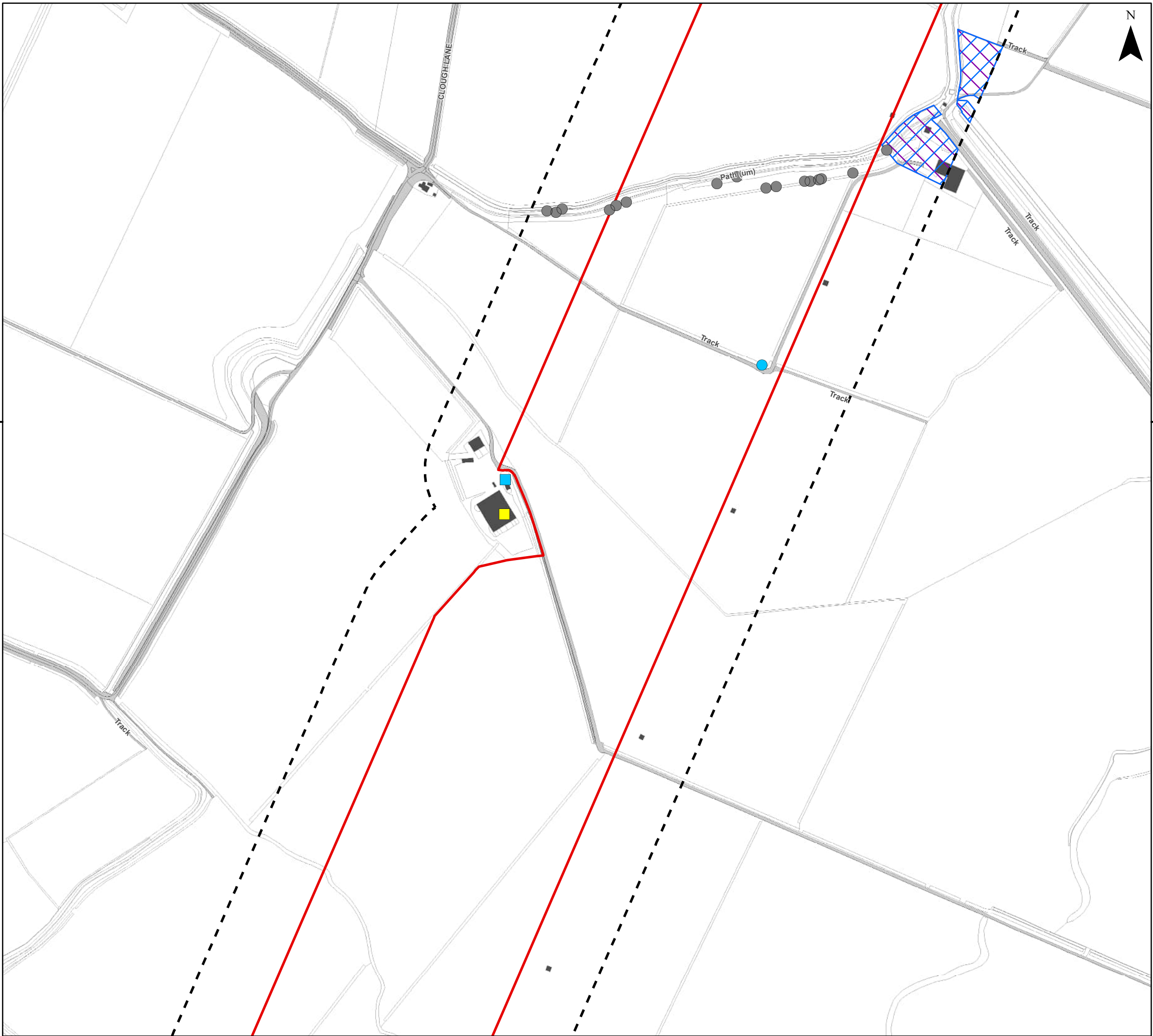
Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.41



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**Legend**

- Onshore PEIR Boundary
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.42

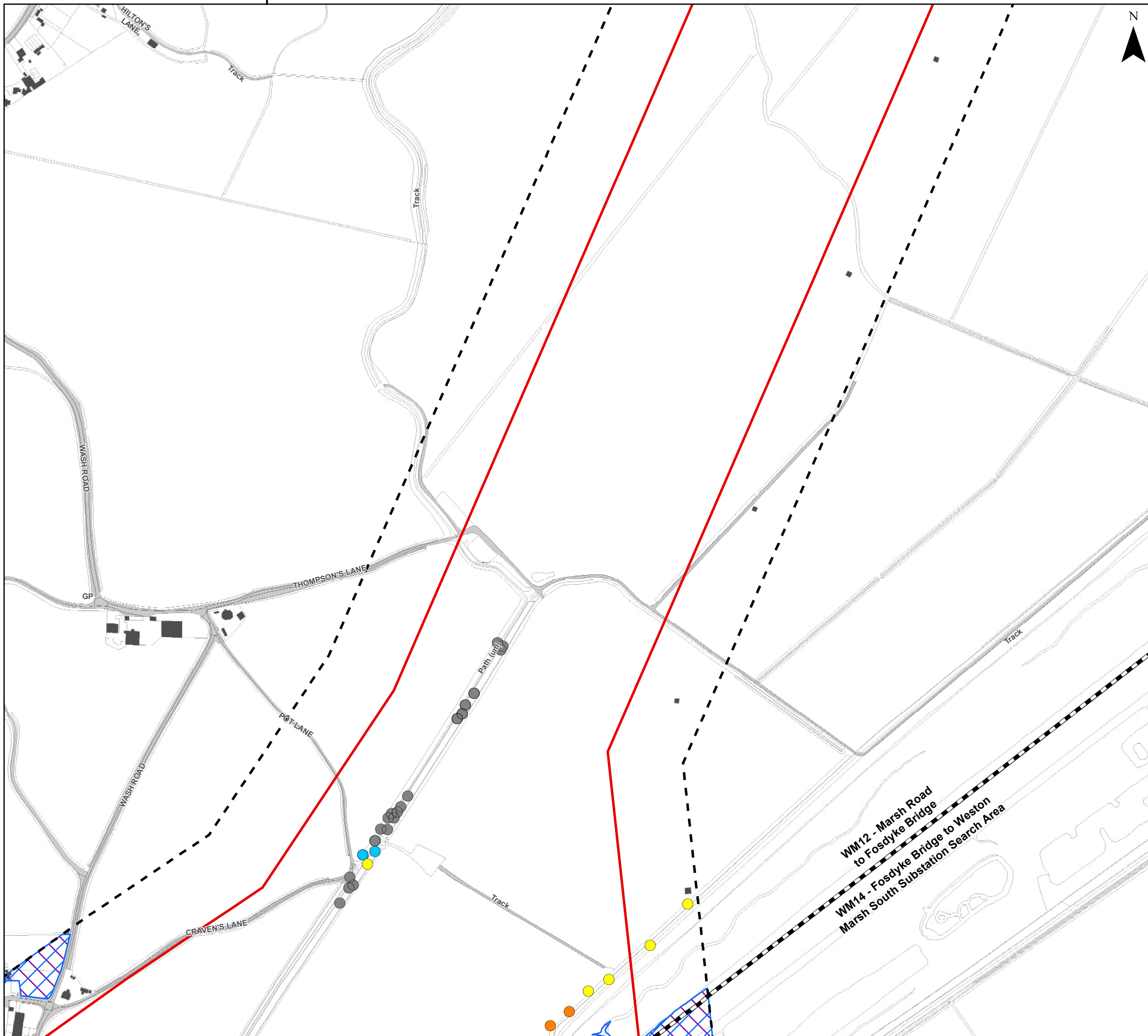


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

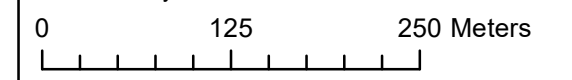
### Tree Preliminary Bat Roost Potential

- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.43



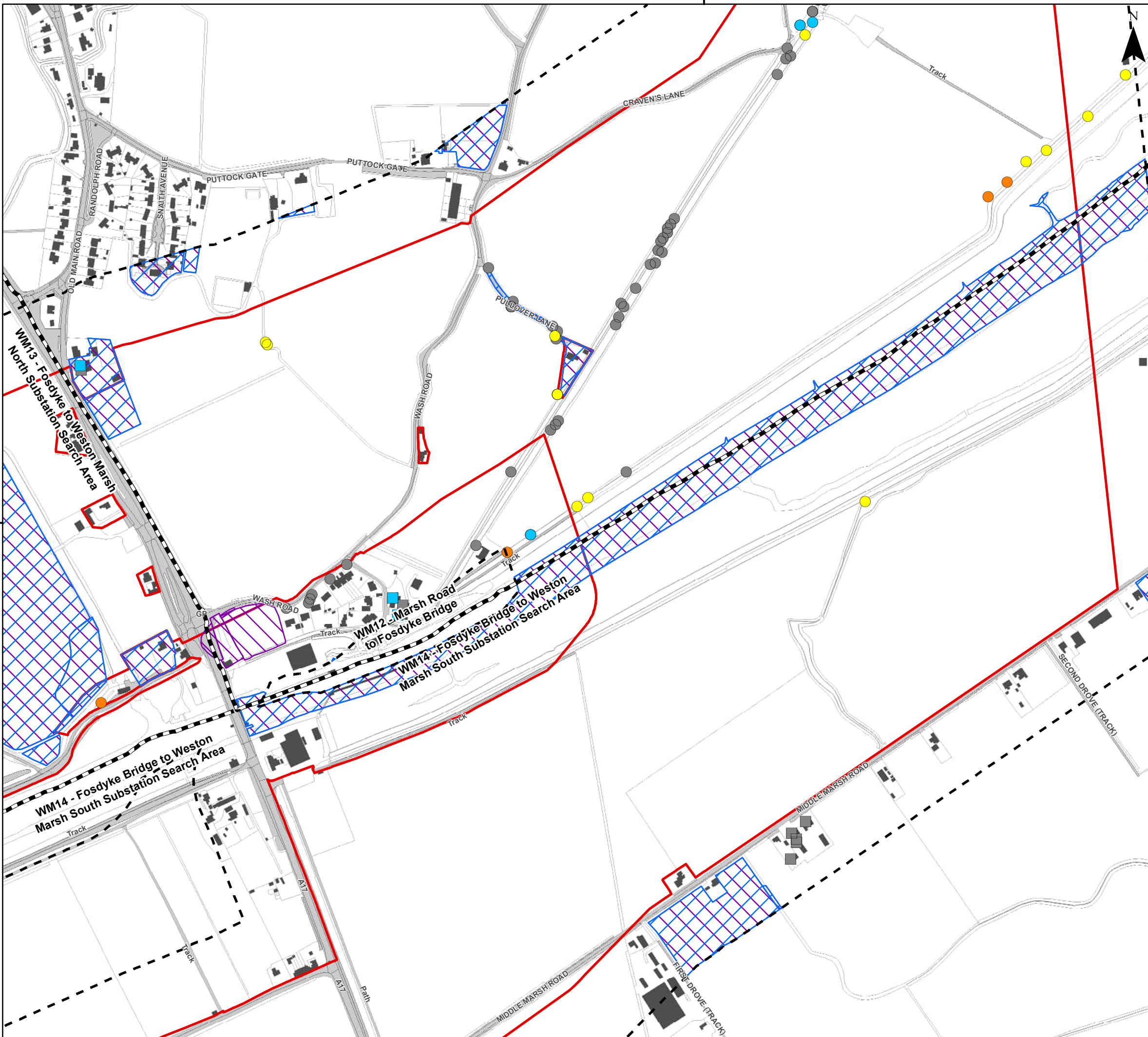
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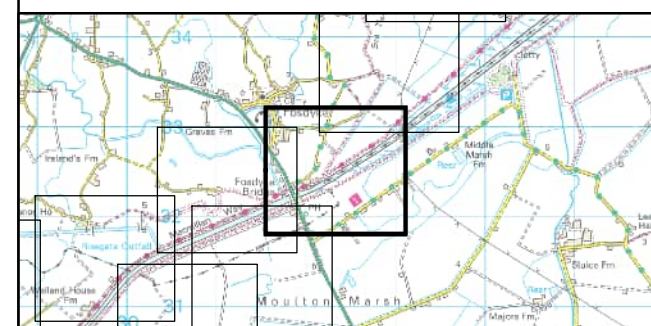




### Legend

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

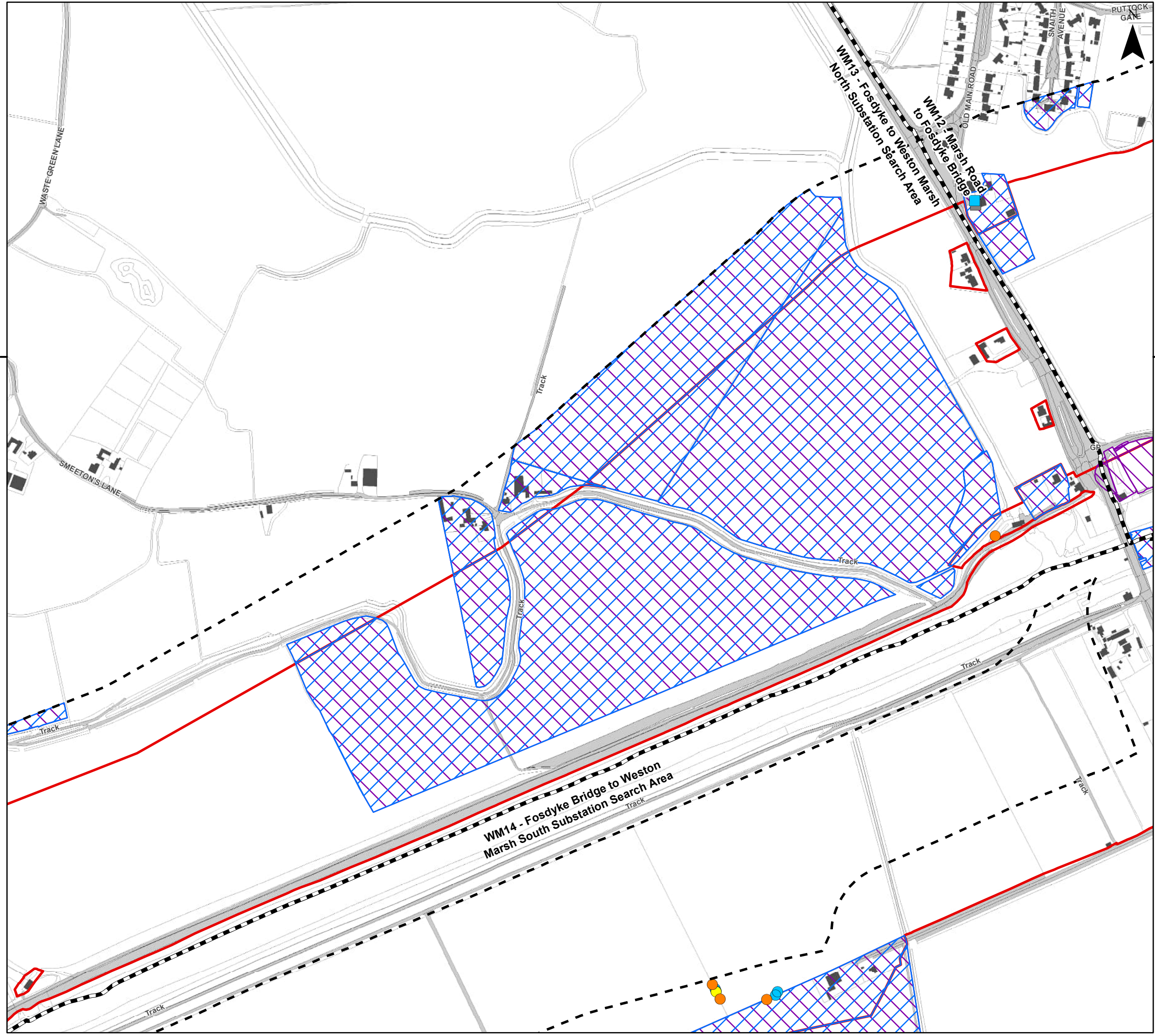
Figure 21.26.44



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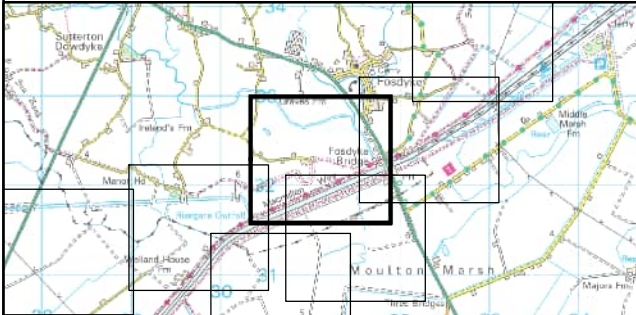


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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.45

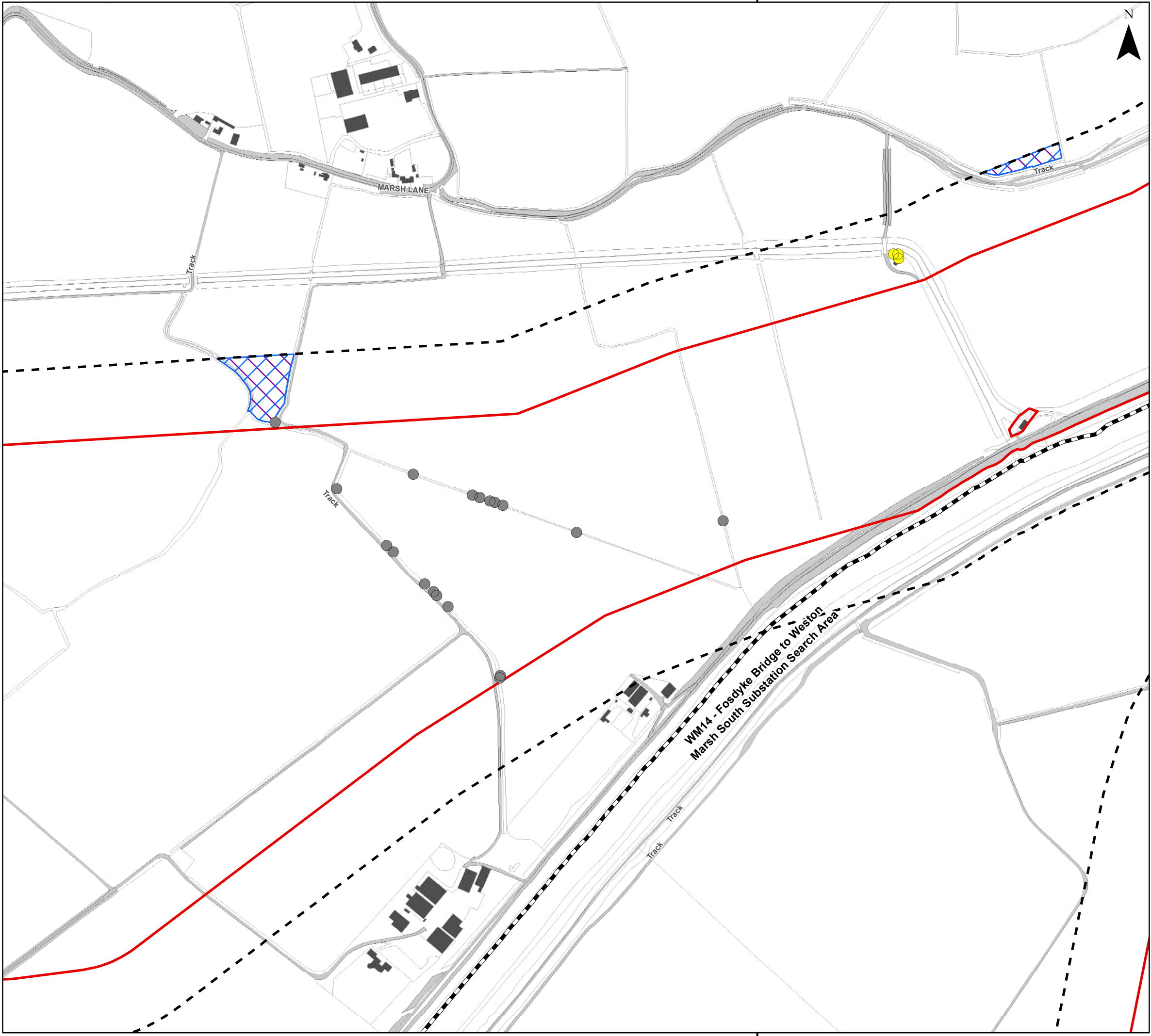


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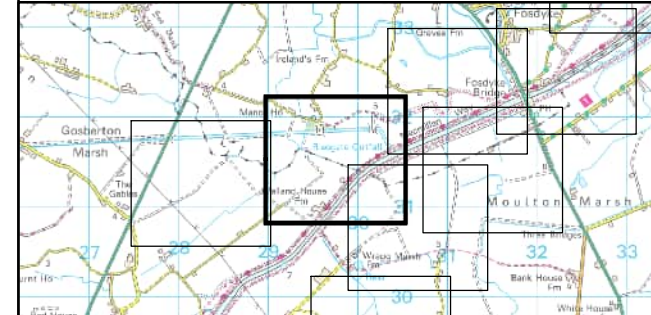


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### Legend

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.46

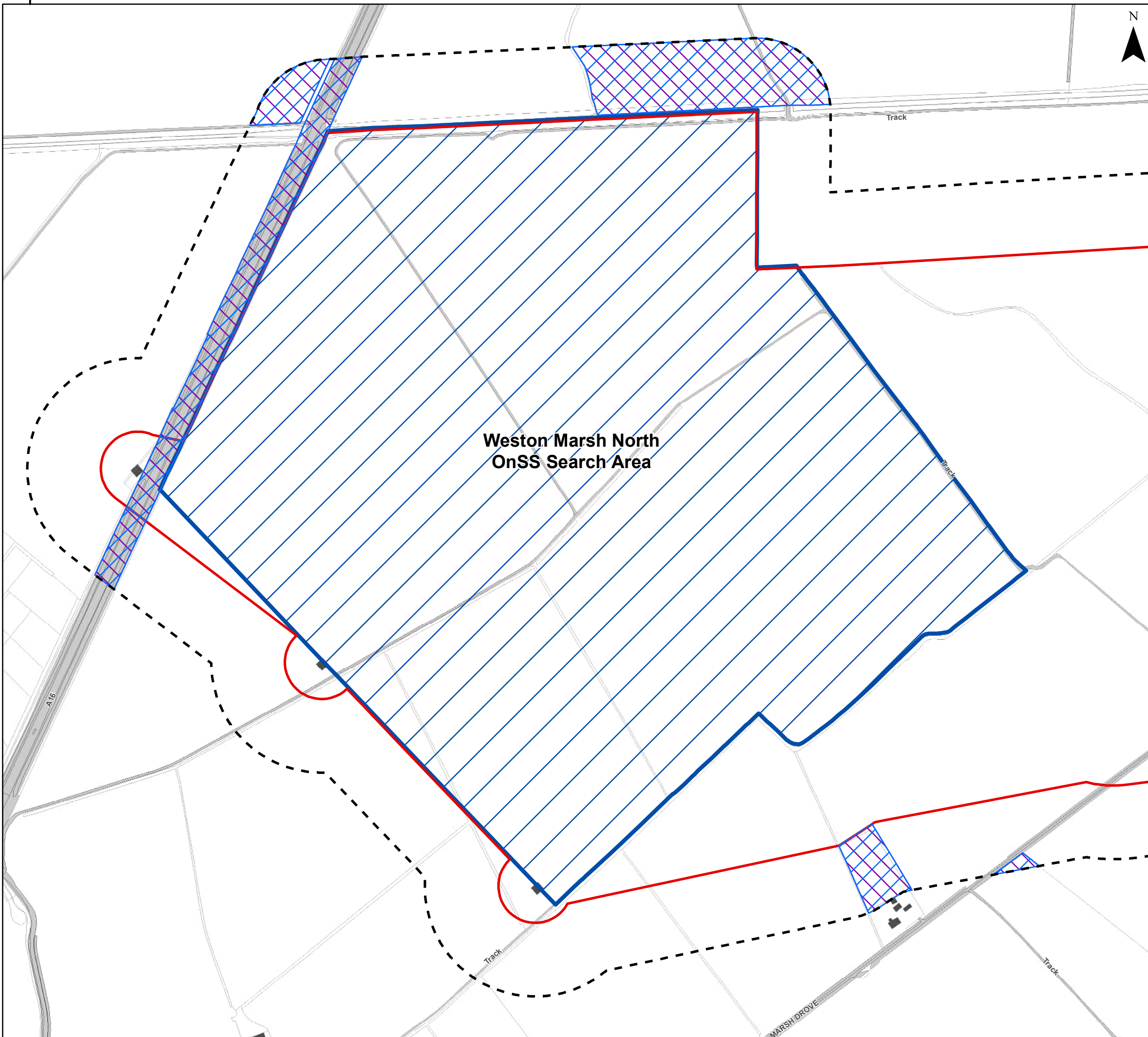


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Weston Marsh North  
OnSS Search Area

### Legend

- Onshore PEIR Boundary
- Weston Marsh North OnSS Search Area
- Habitat Survey Area (Weston Marsh, Via South of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

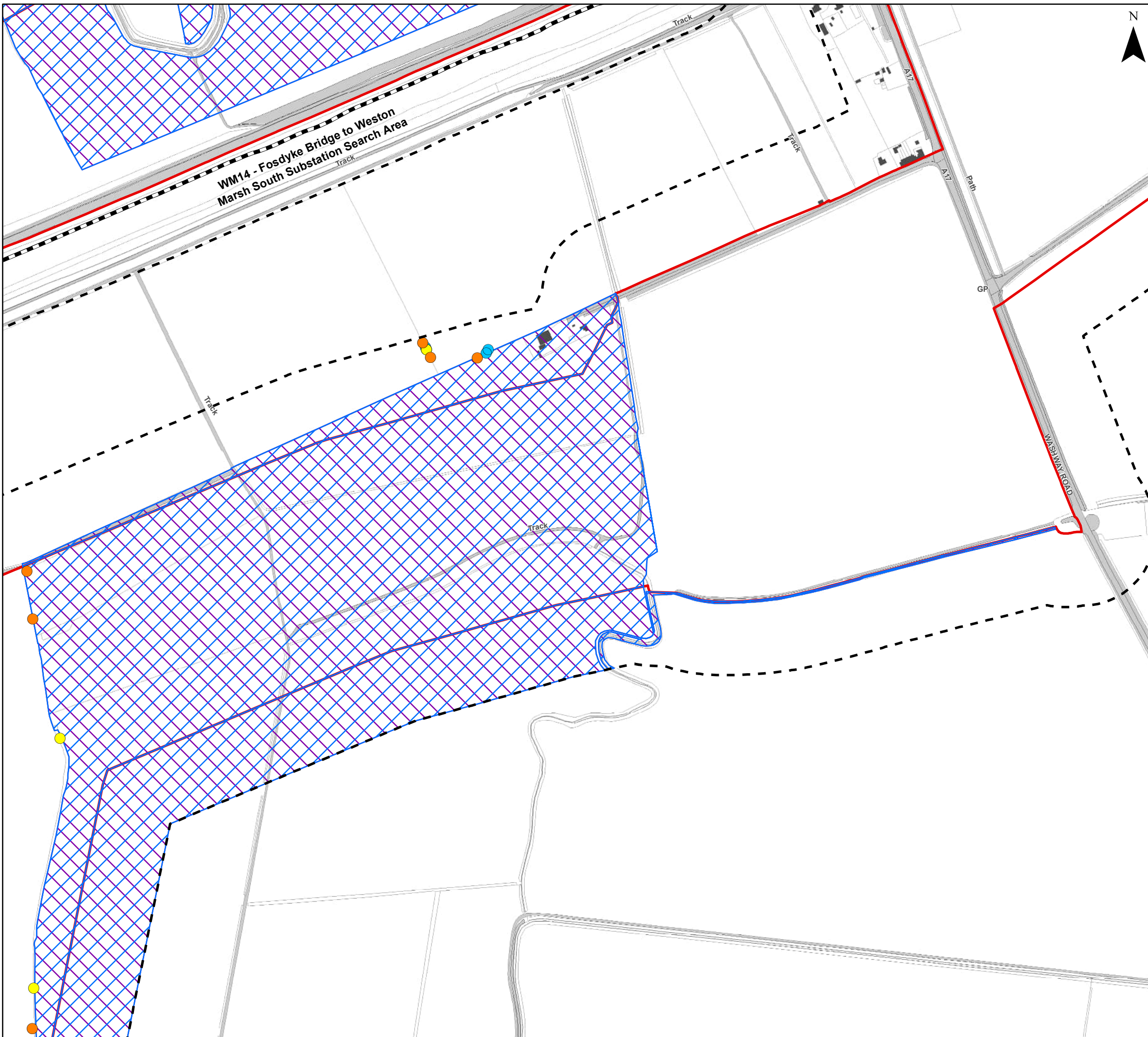
Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.47



Date: 25/05/2023  
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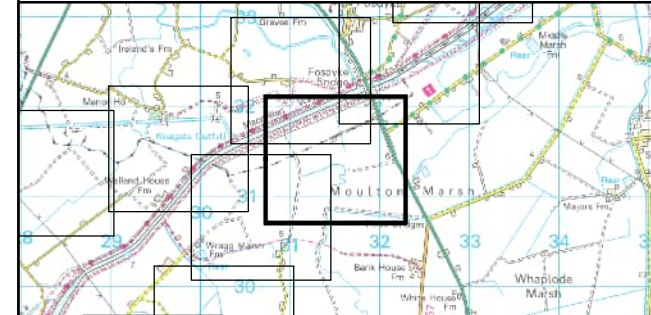
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.48

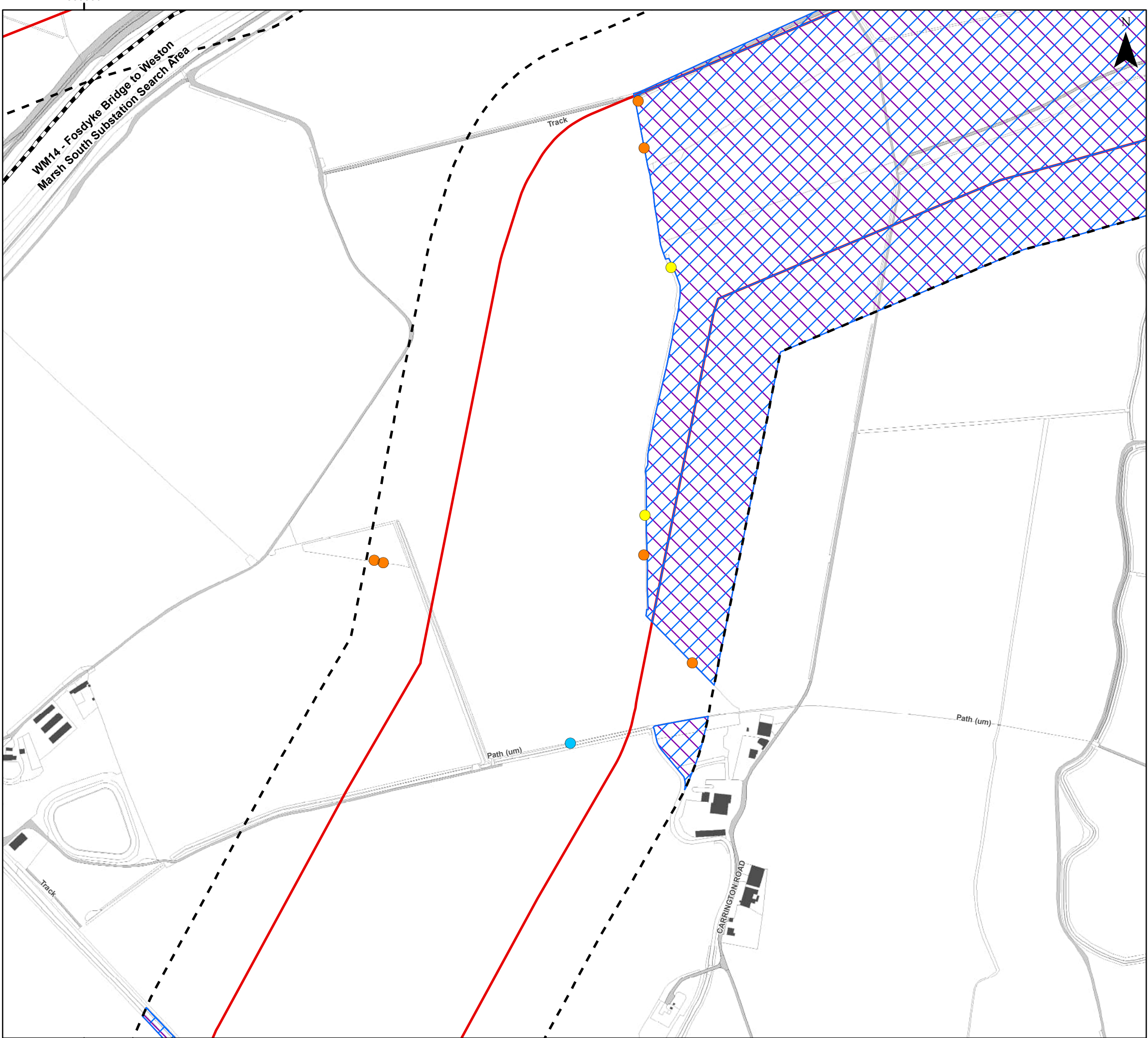


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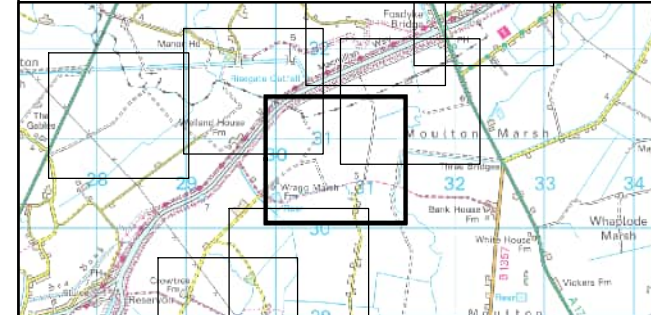
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.49

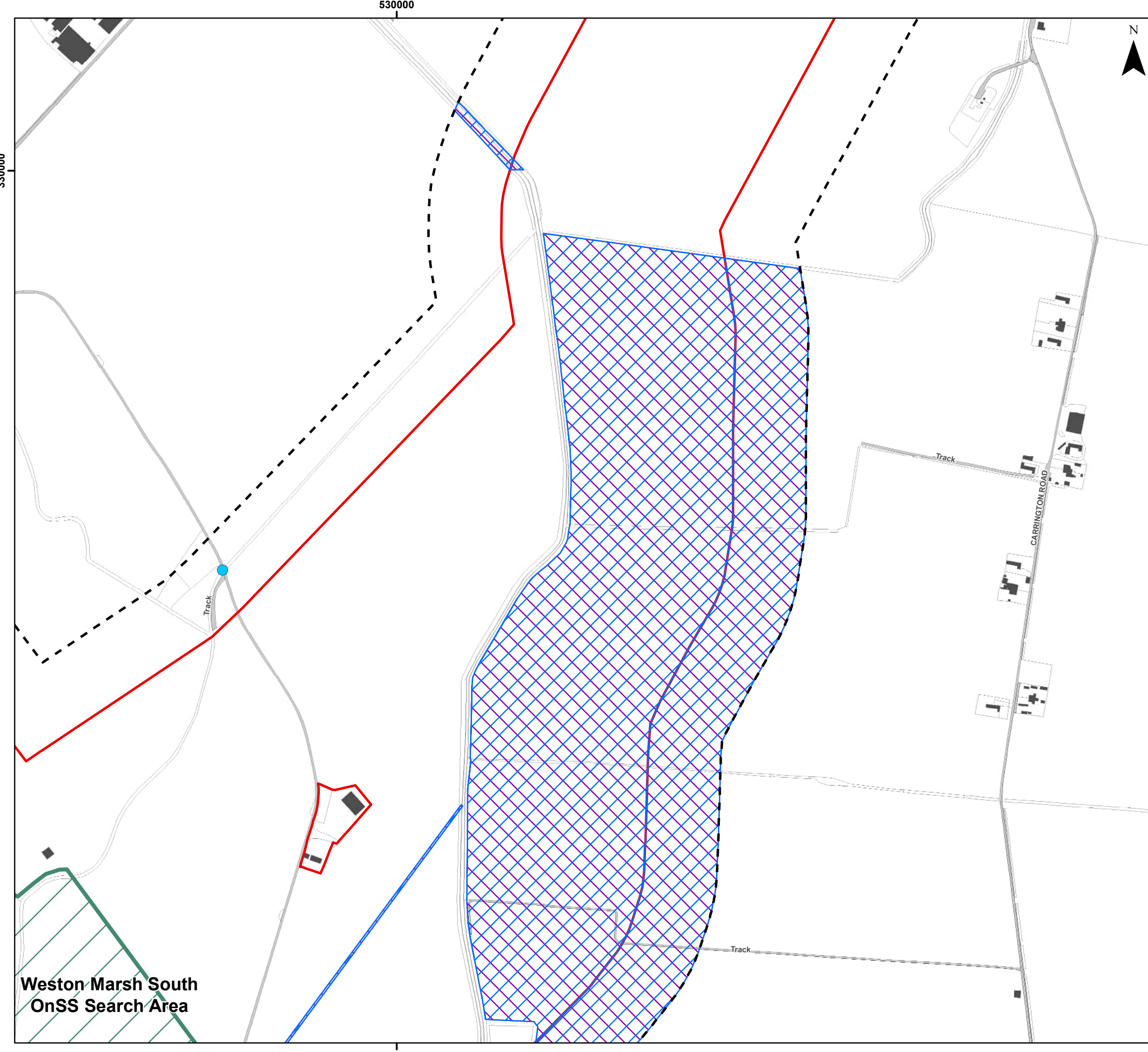


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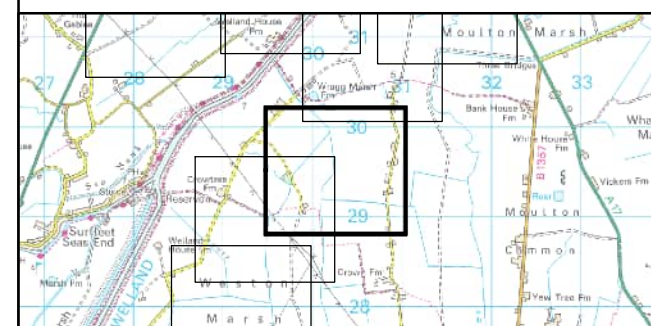
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- Legend**
- Onshore PEIR Boundary
  - Weston Marsh South OnSS Search Area
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.50

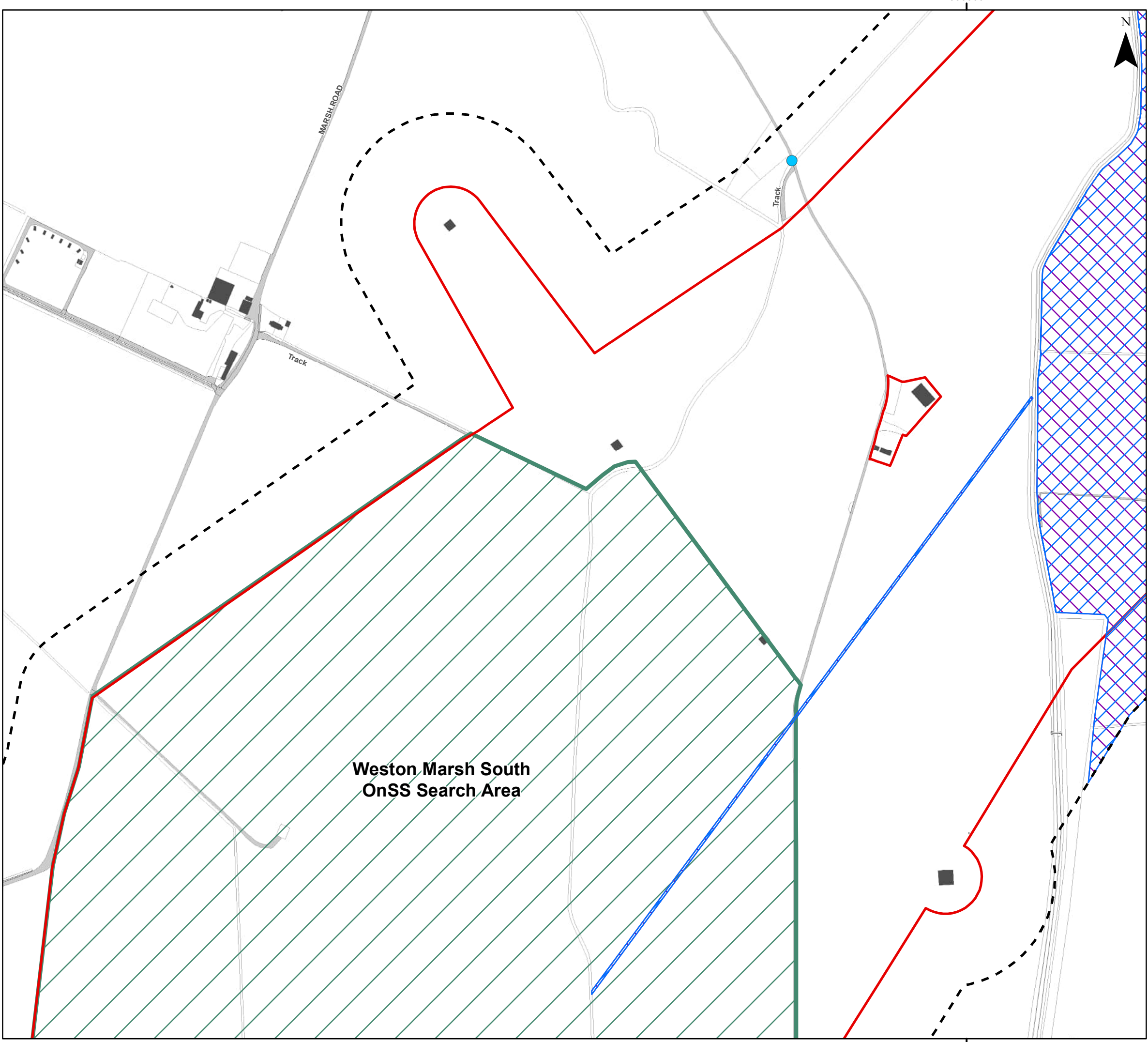


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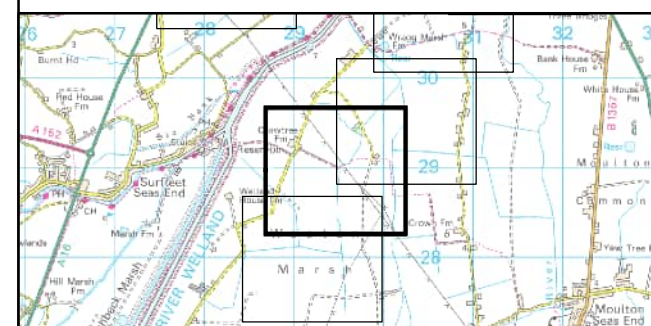
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- Legend**
- Onshore PEIR Boundary
  - Weston Marsh South OnSS Search Area
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.51



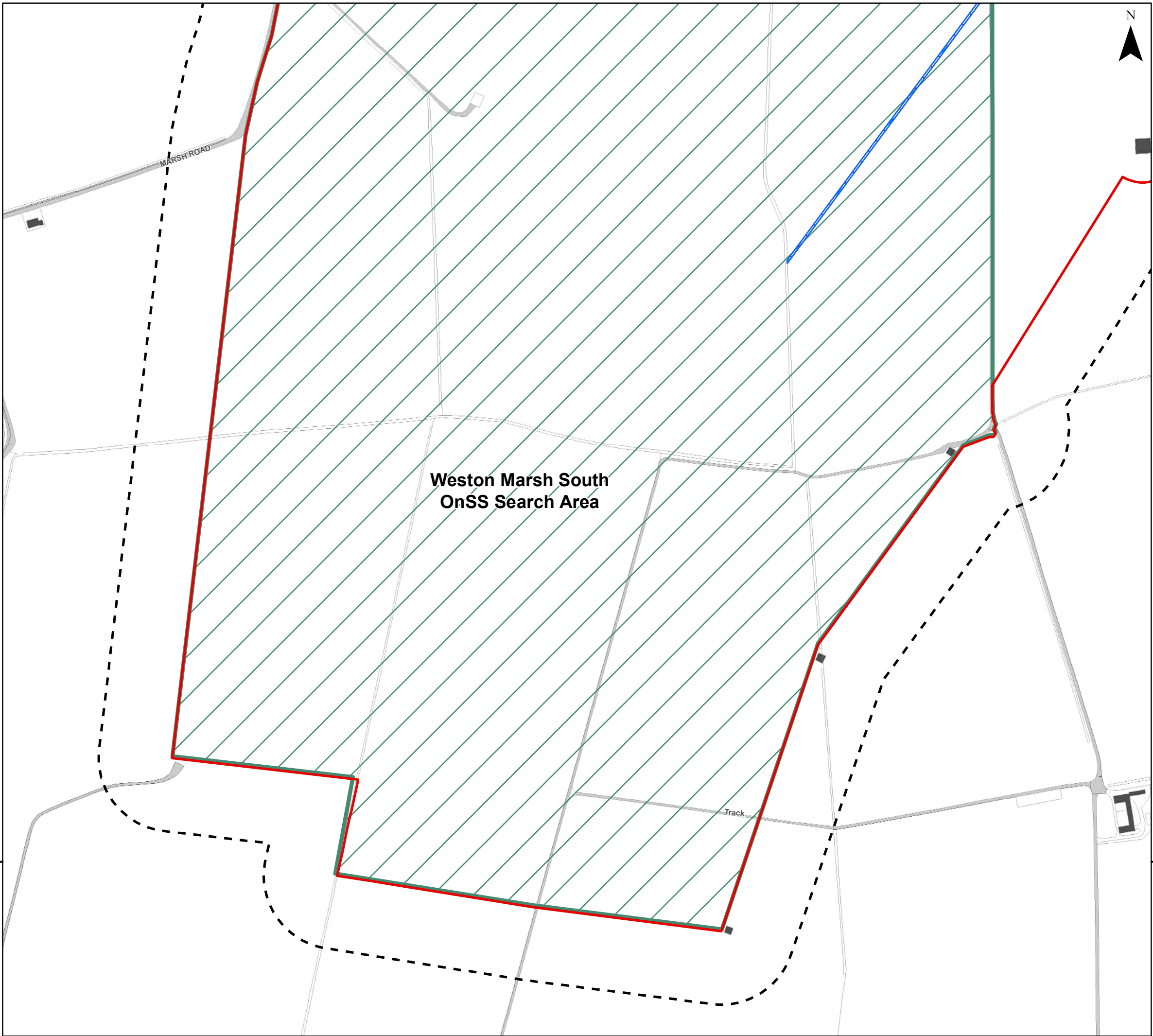
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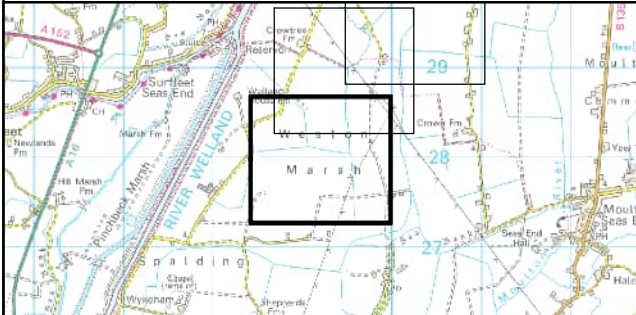




Weston Marsh South  
OnSS Search Area

- Legend**
- Onshore PEIR Boundary
  - Weston Marsh South OnSS Search Area
  - Habitat Survey Area (Weston Marsh, Via South of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.52



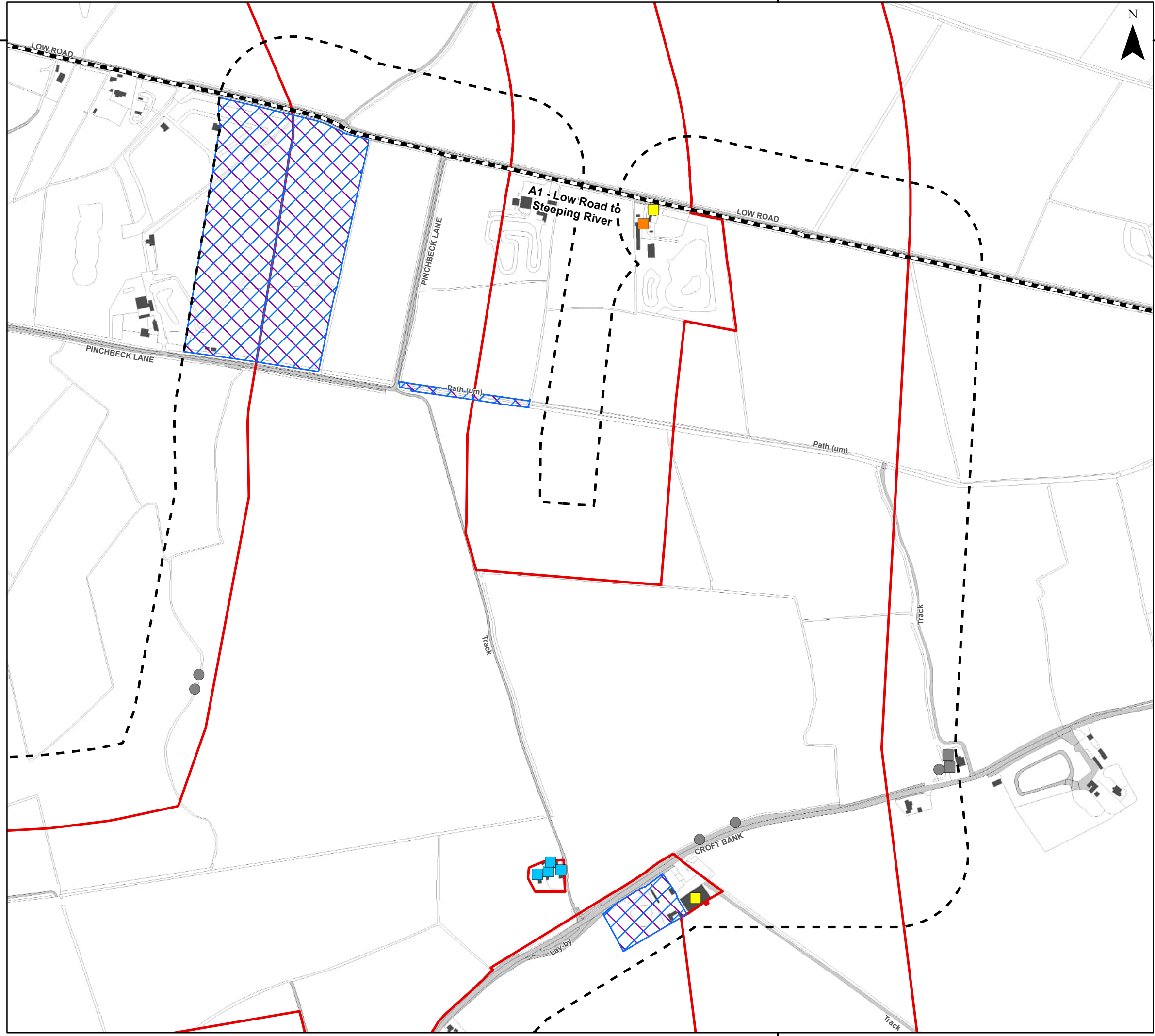
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







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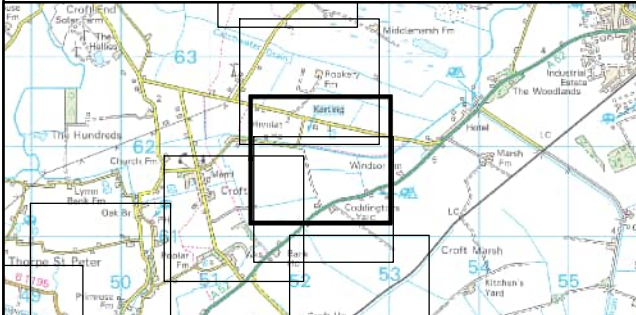
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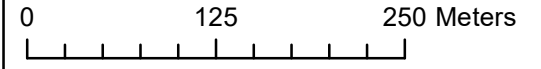
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
-  Trees Not Surveyed in this Area for Bat Roost Potential
-  Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
-  High Potential
-  Moderate Potential
-  Low Potential
-  Negligible Potential
- Tree Preliminary Bat Roost Potential**
-  Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.53



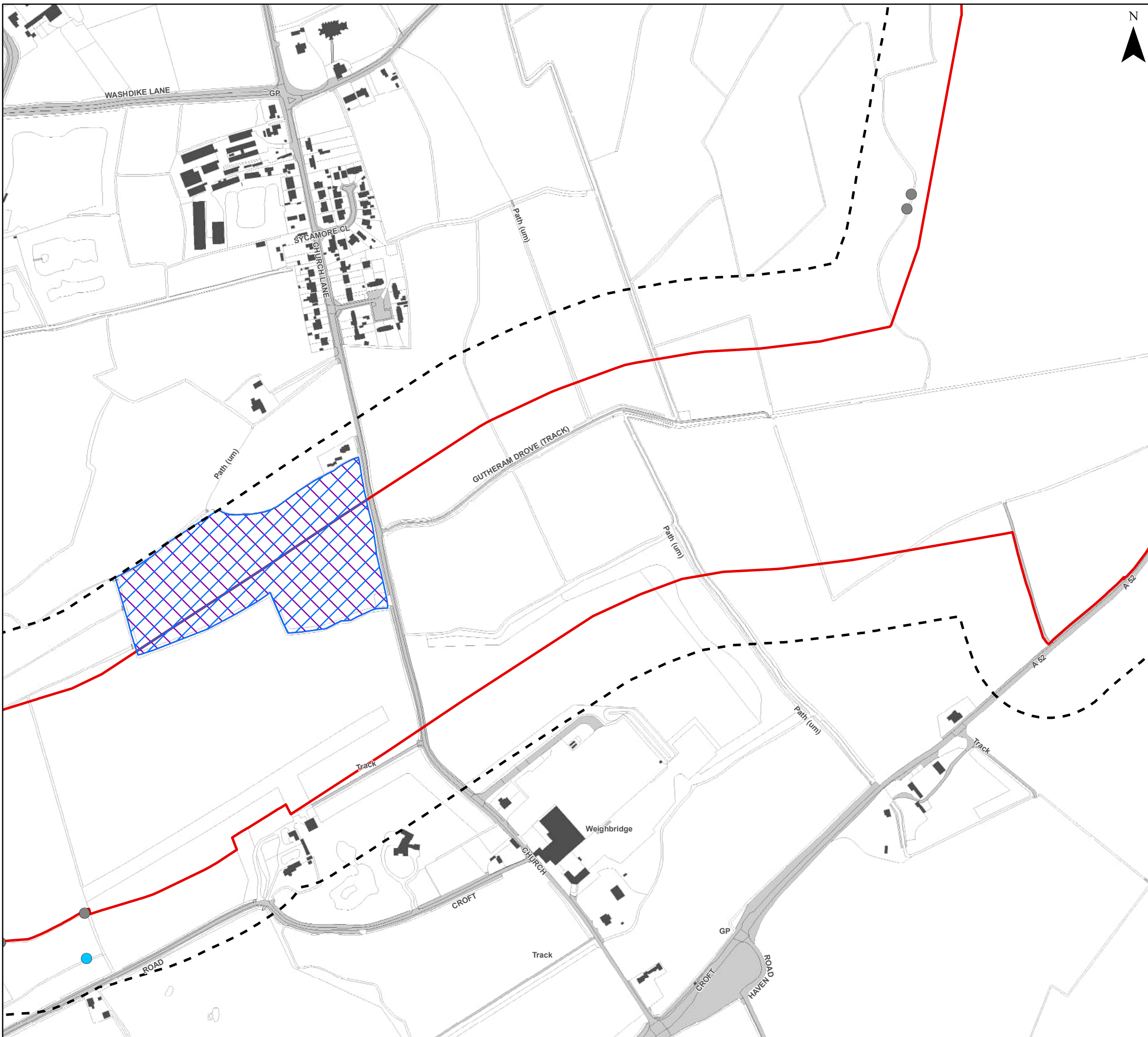
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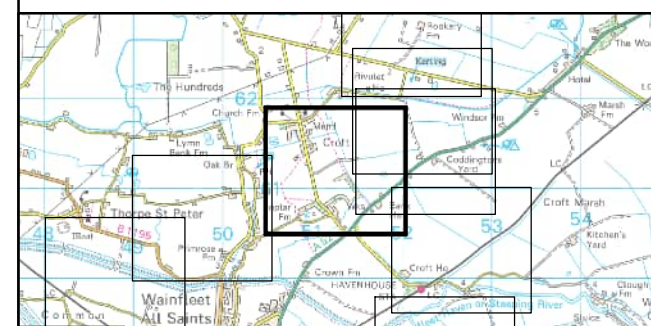
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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.54



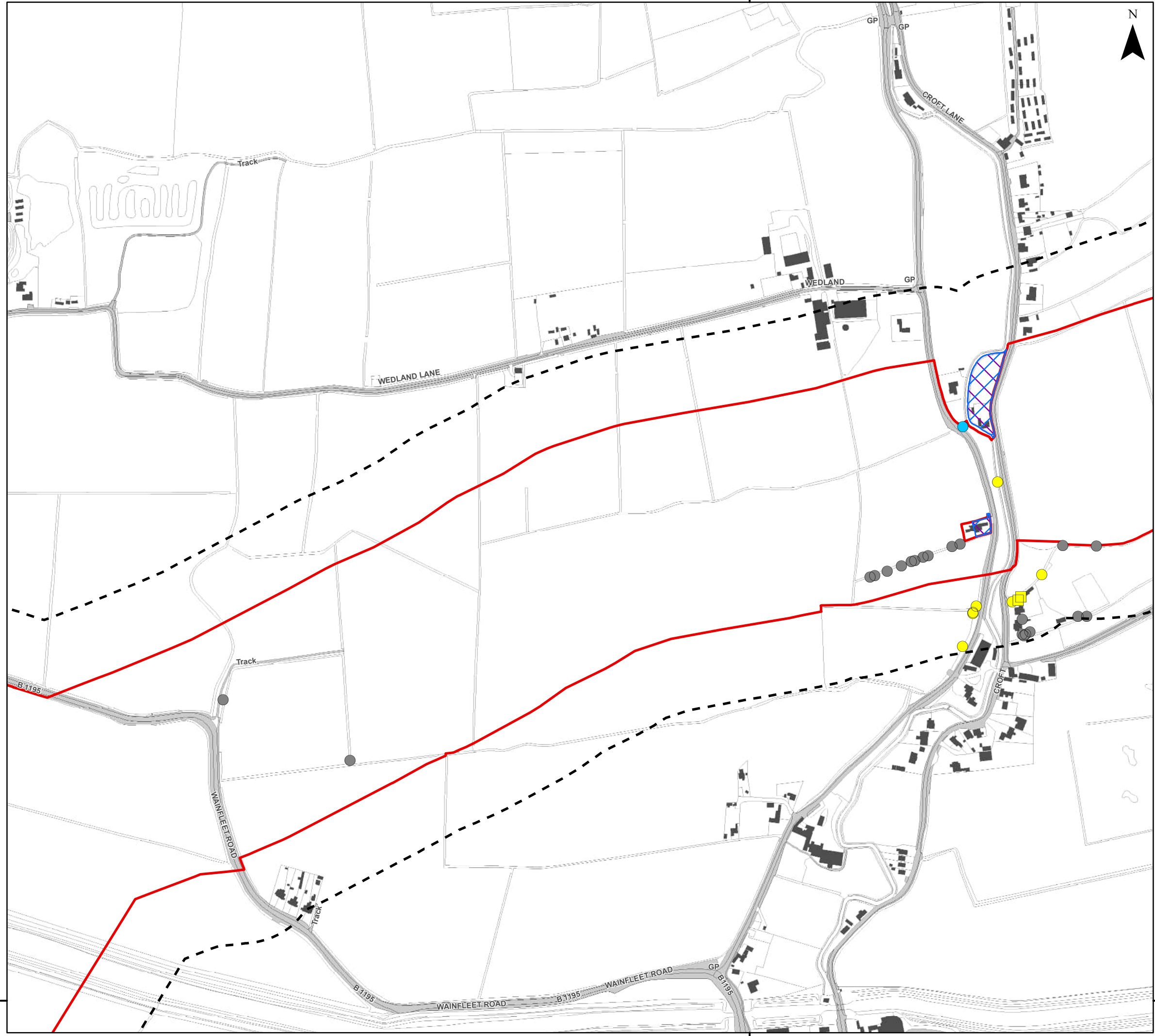
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

#### Building Preliminary Bat Roost Potential

- Moderate Potential

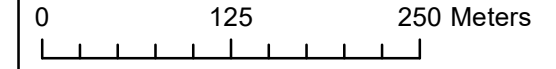
#### Tree Preliminary Bat Roost Potential

- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.55



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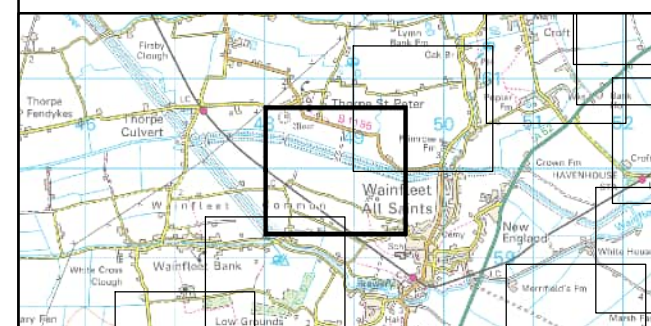
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
  - Building Preliminary Bat Roost Potential**
  - Moderate Potential
  - Tree Preliminary Bat Roost Potential**
  - High Potential
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

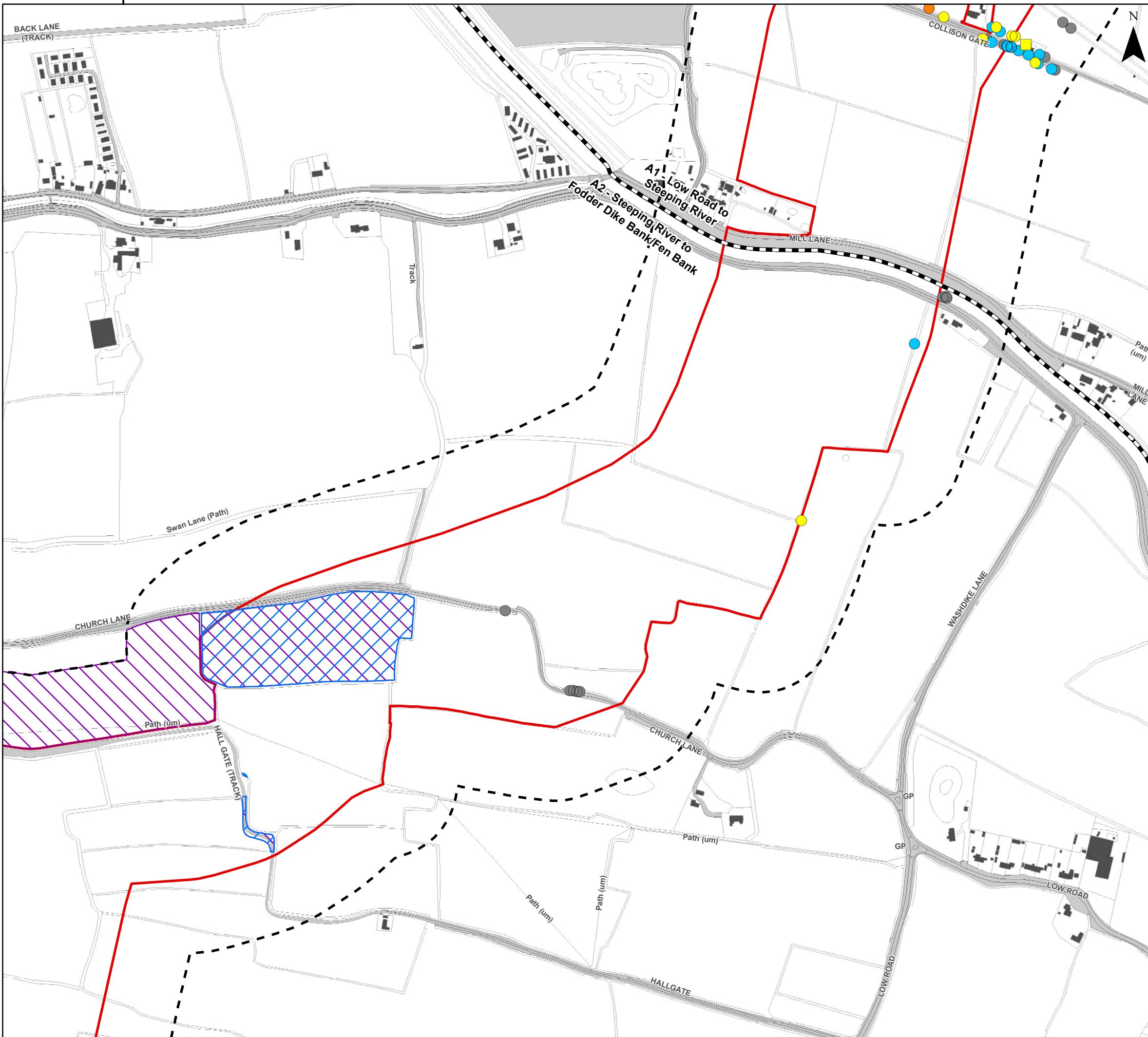
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 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.56



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

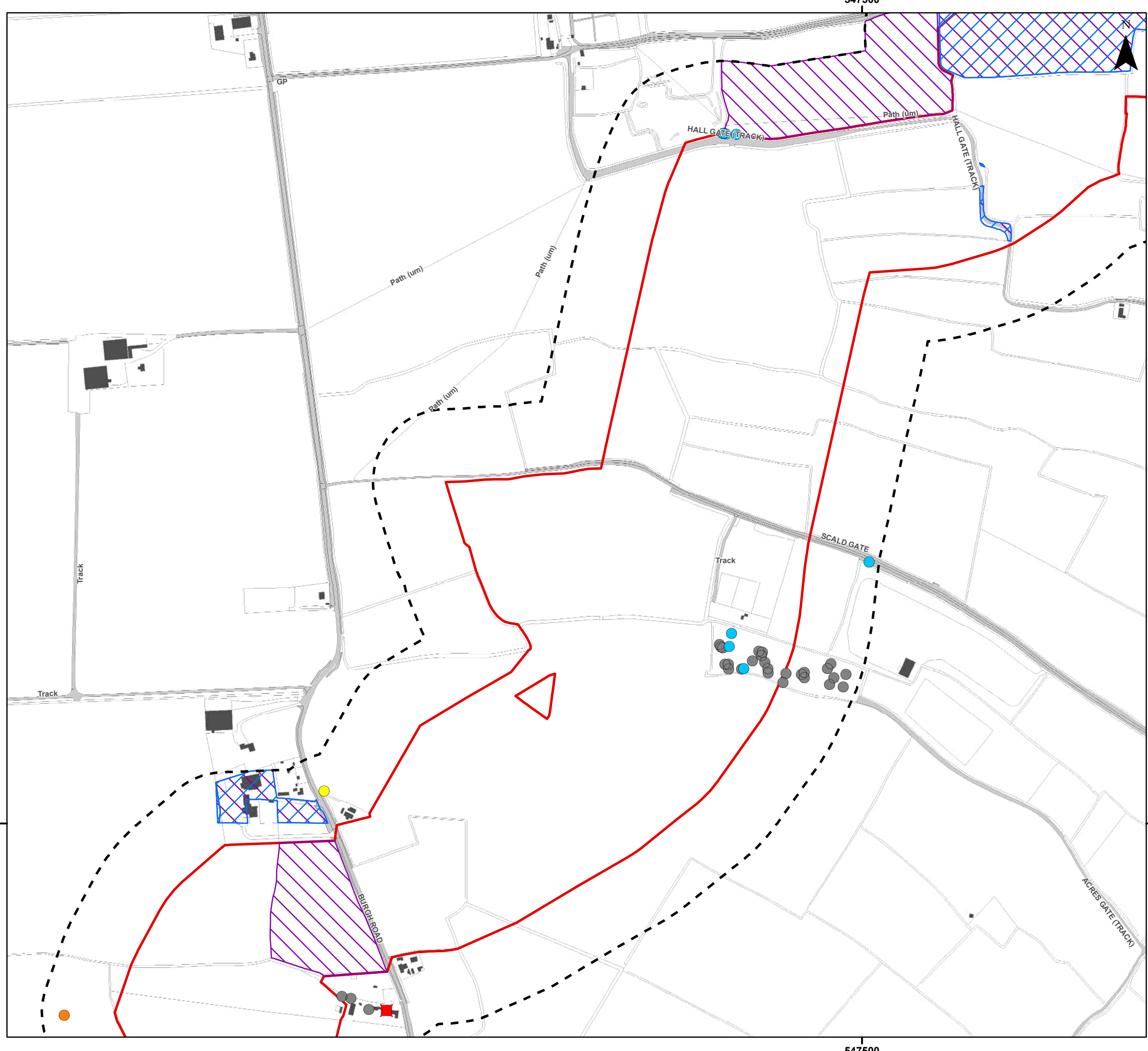
Figure 21.26.57



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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- X Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- Confirmed Roost
- Tree Preliminary Bat Roost Potential**
- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.58

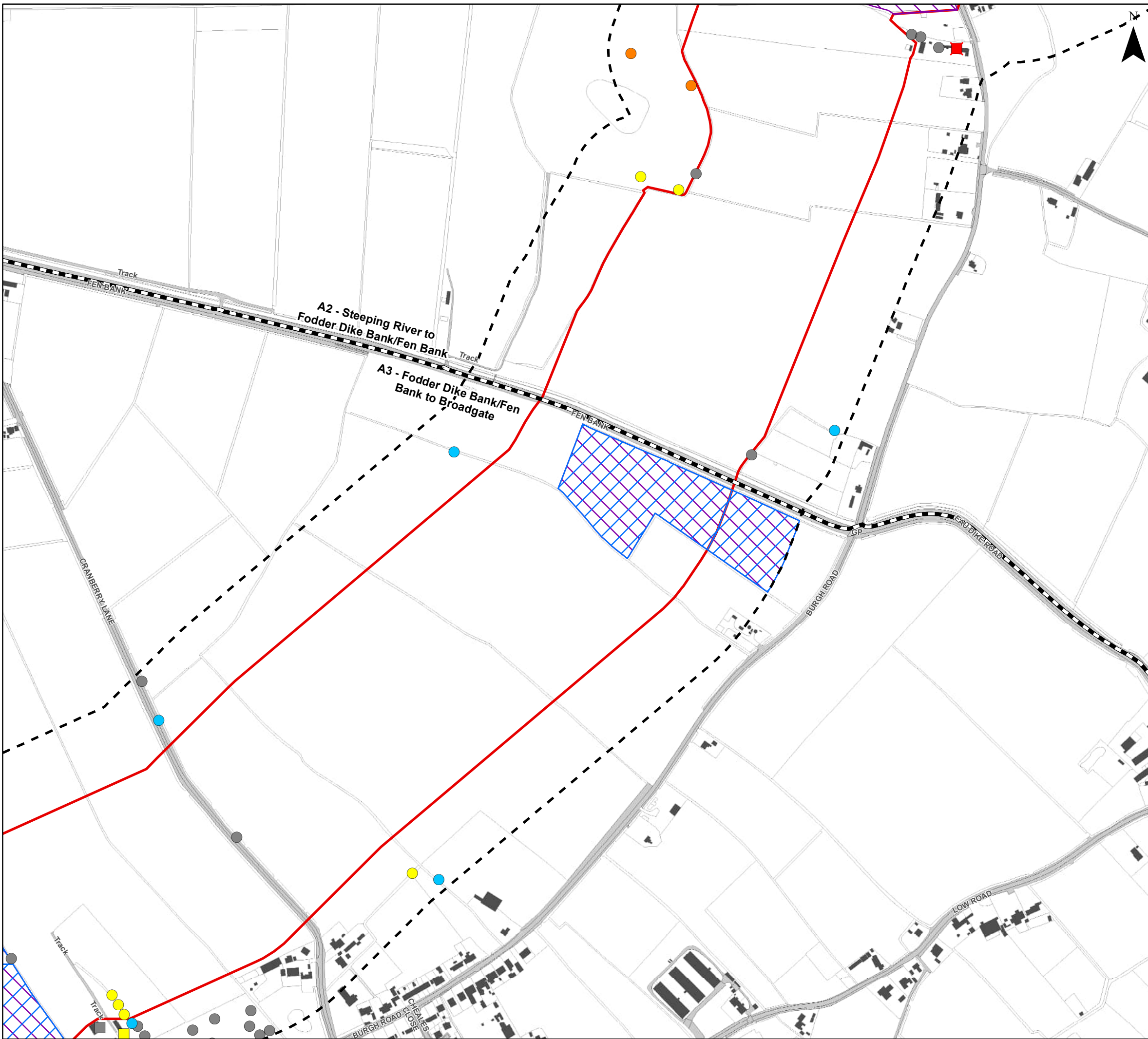


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- × Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- Confirmed Roost
- Moderate Potential
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.59



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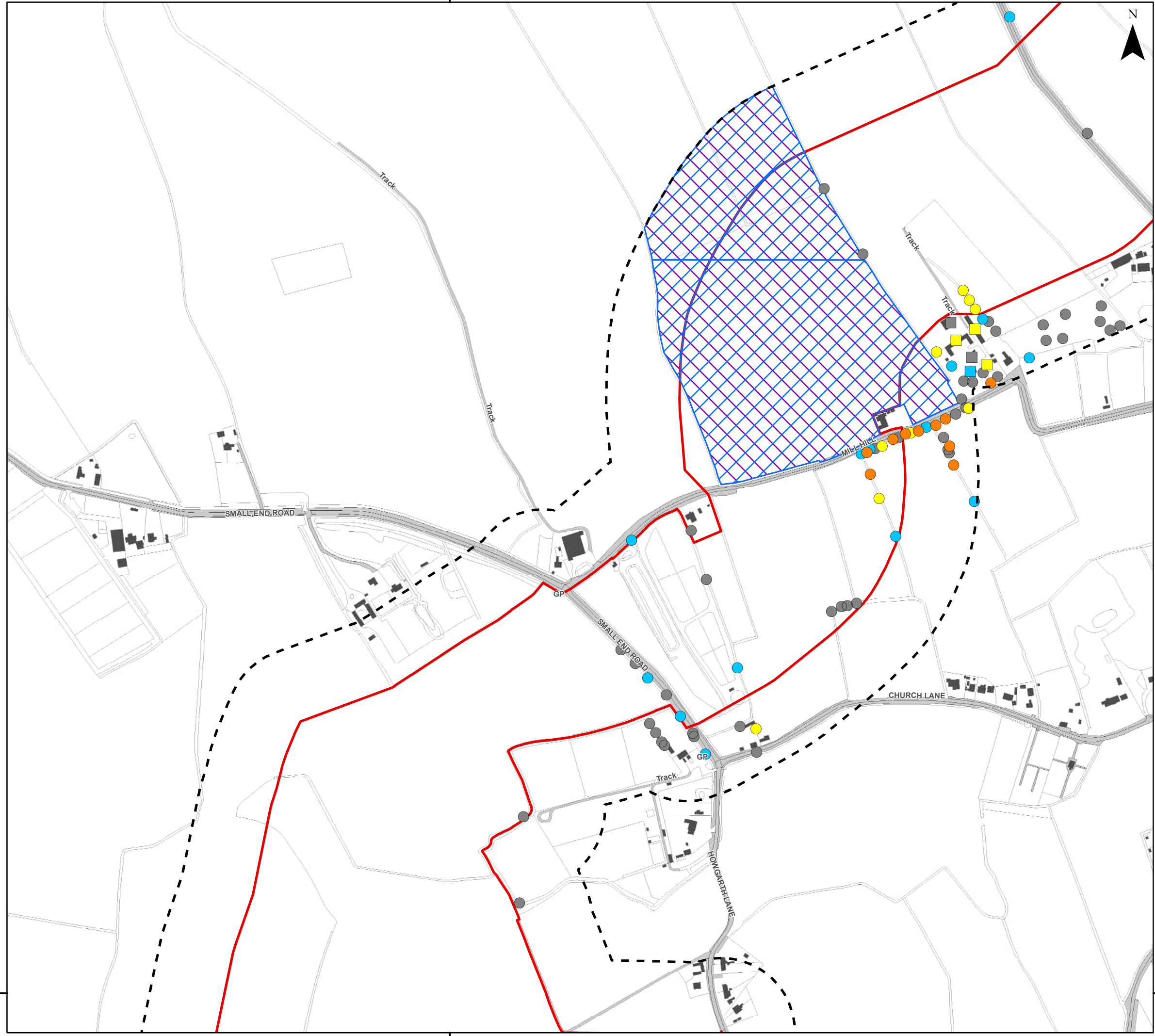


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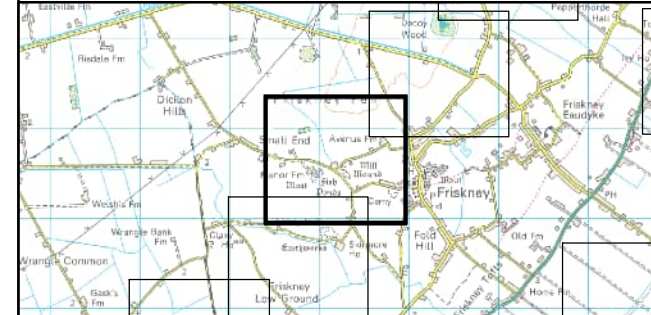
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.60



Date: 25/05/2023  
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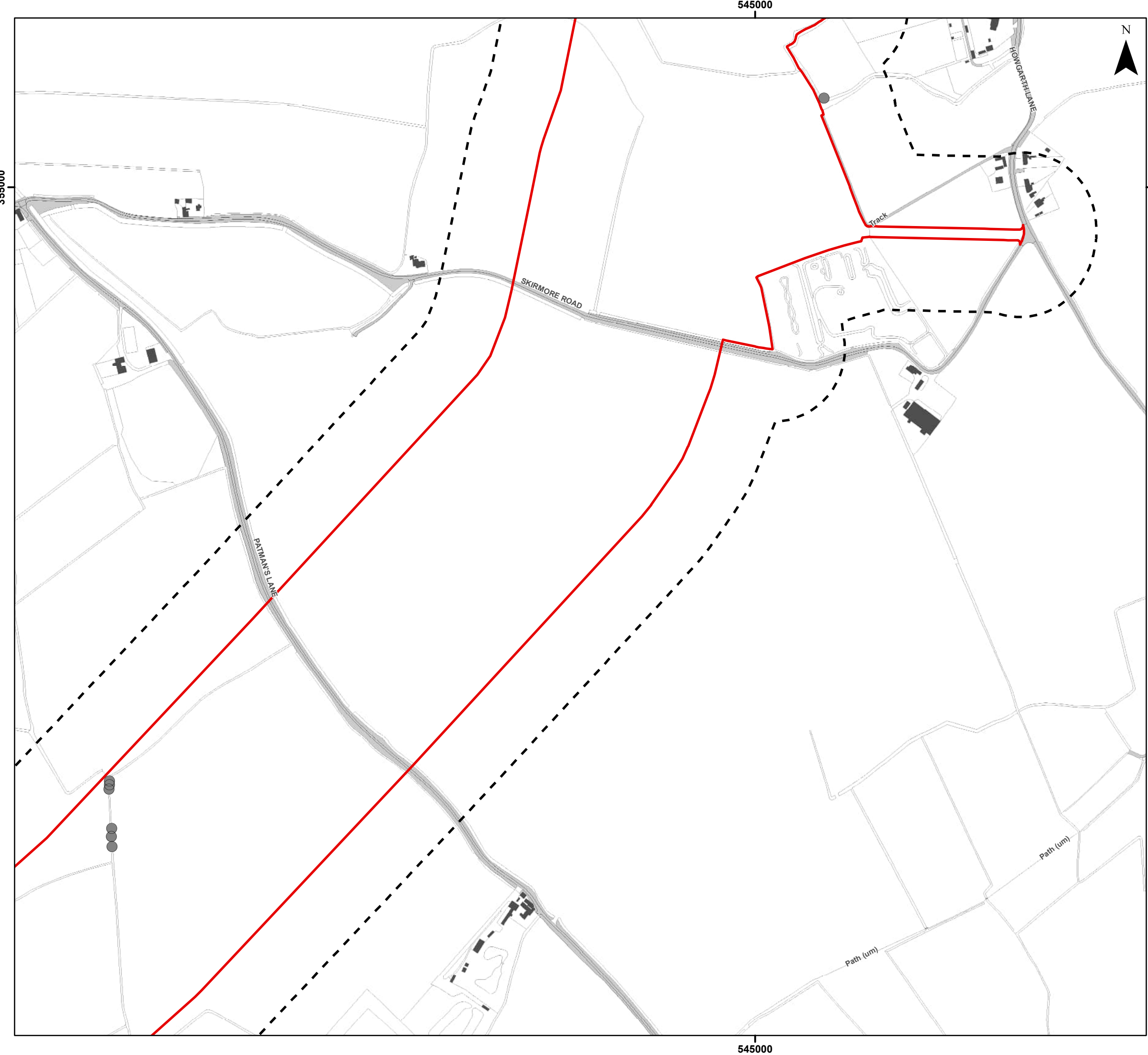
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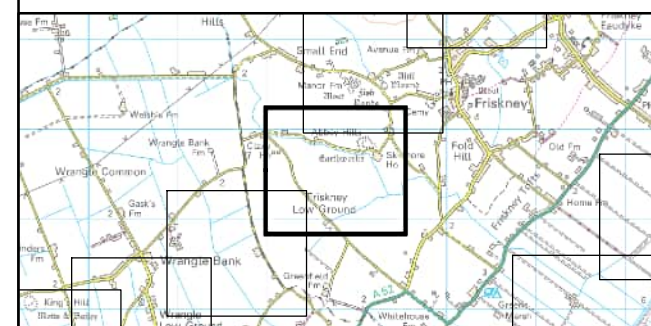
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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
  - Tree Preliminary Bat Roost Potential**
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.61

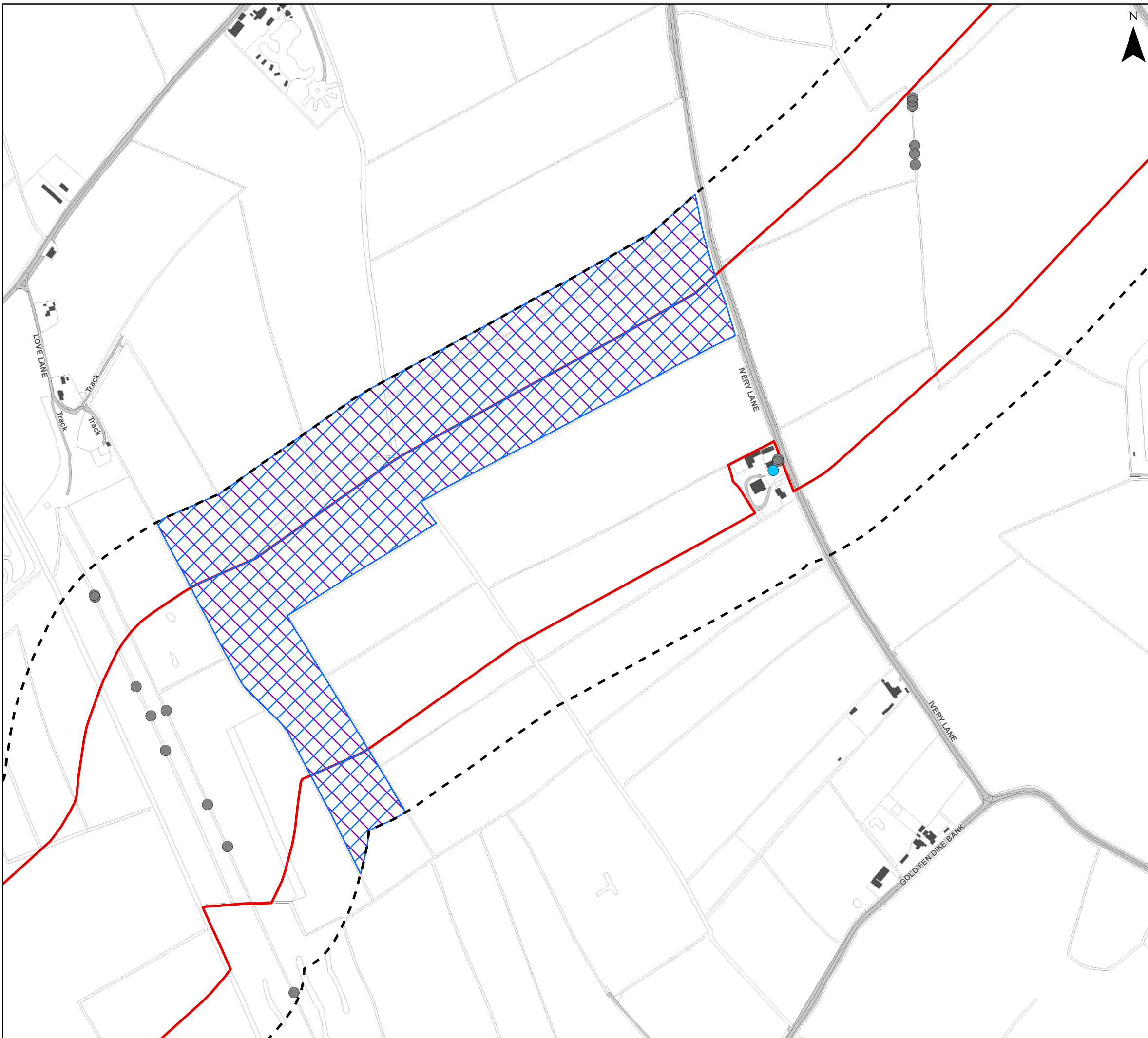


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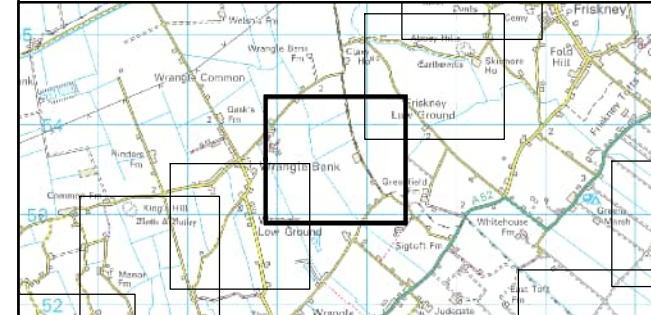
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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost**
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.62

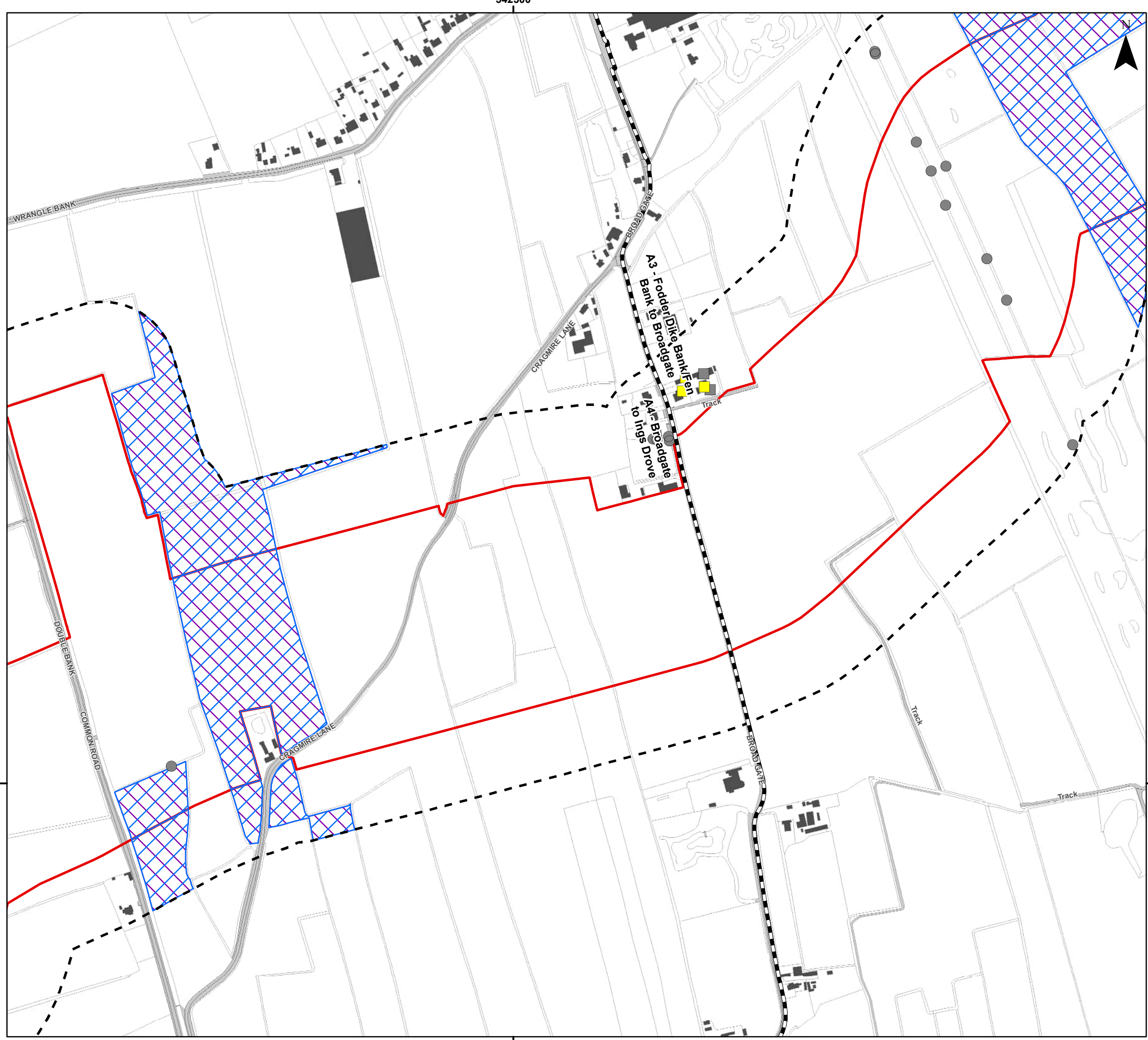


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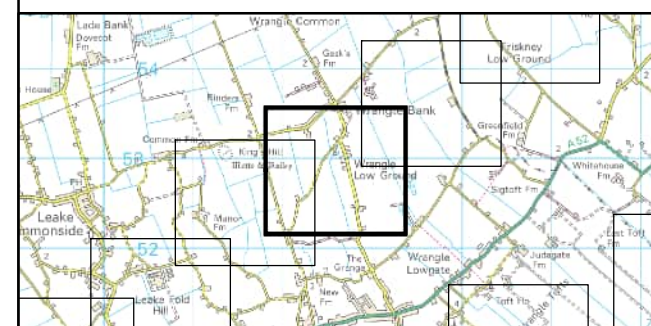
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Moderate Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.63

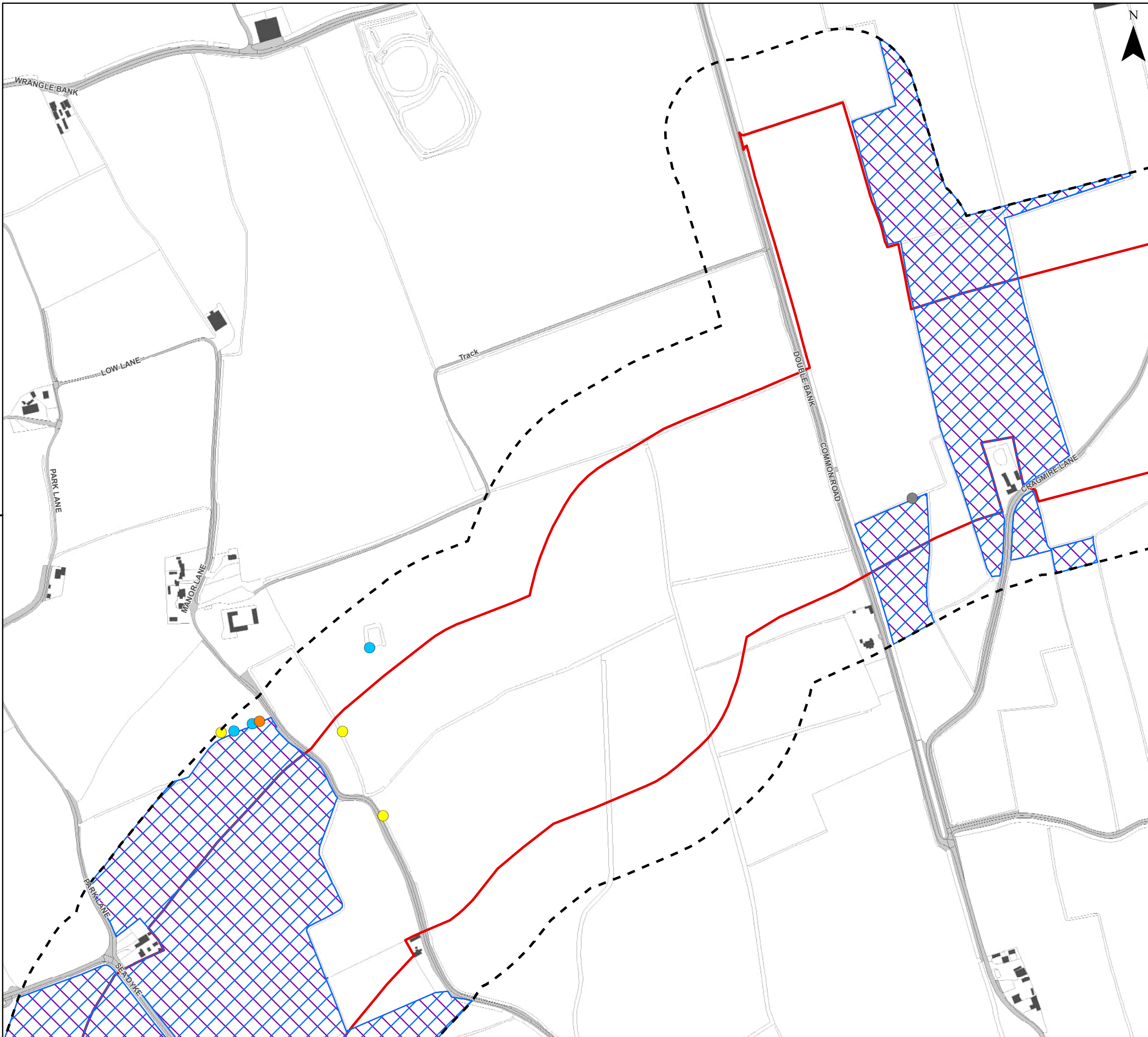


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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential

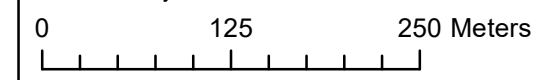
**Tree Preliminary Bat Roost Potential**

- High Potential
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

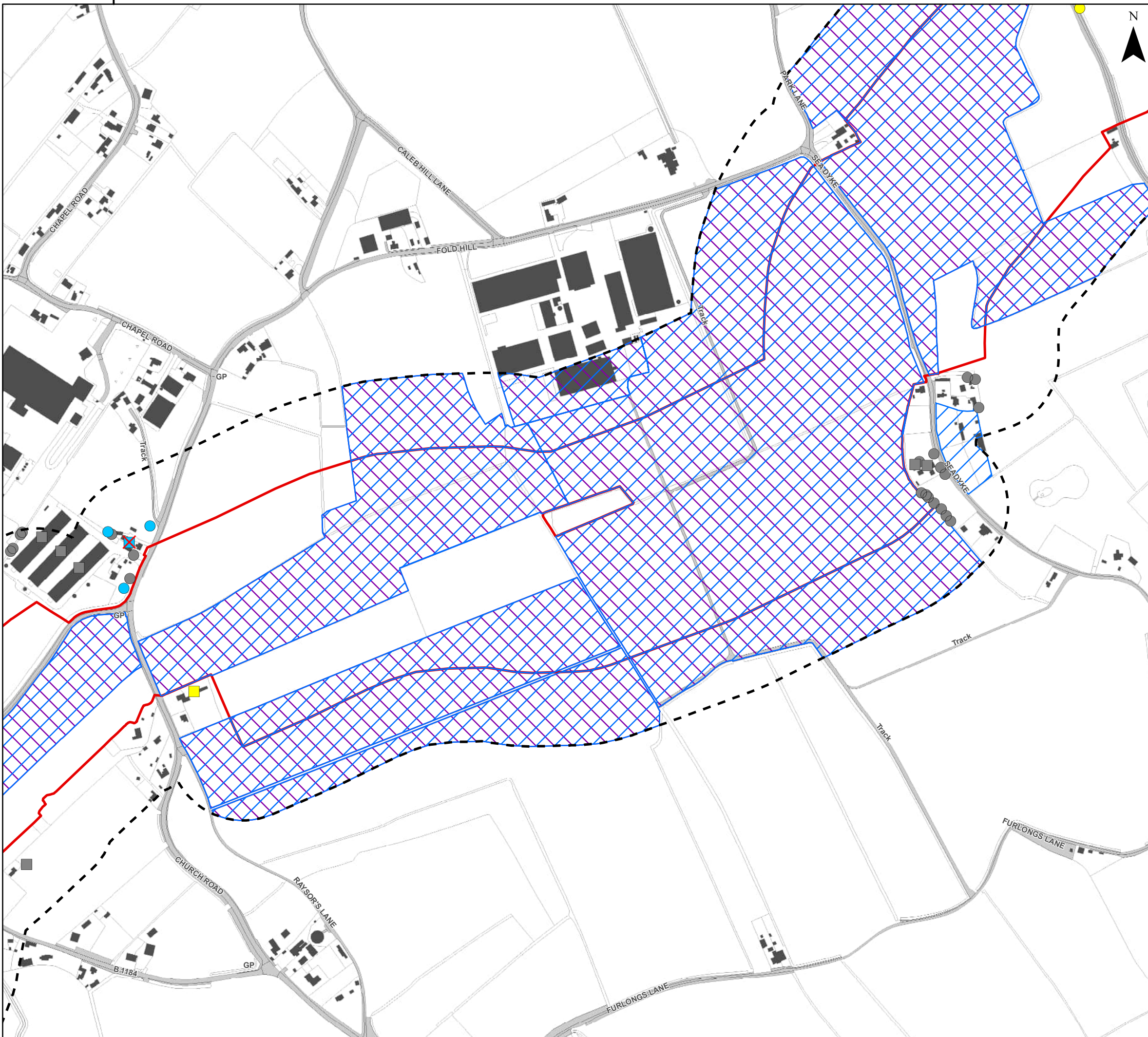
Figure 21.26.64



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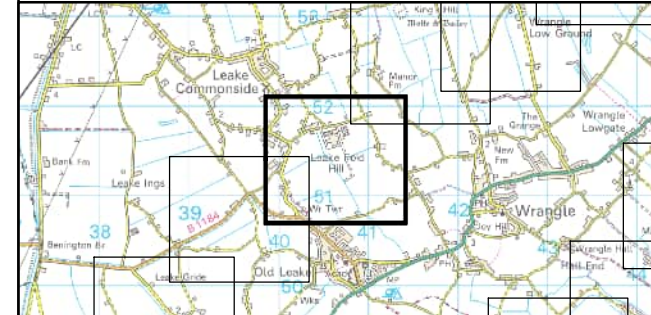
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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- X Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

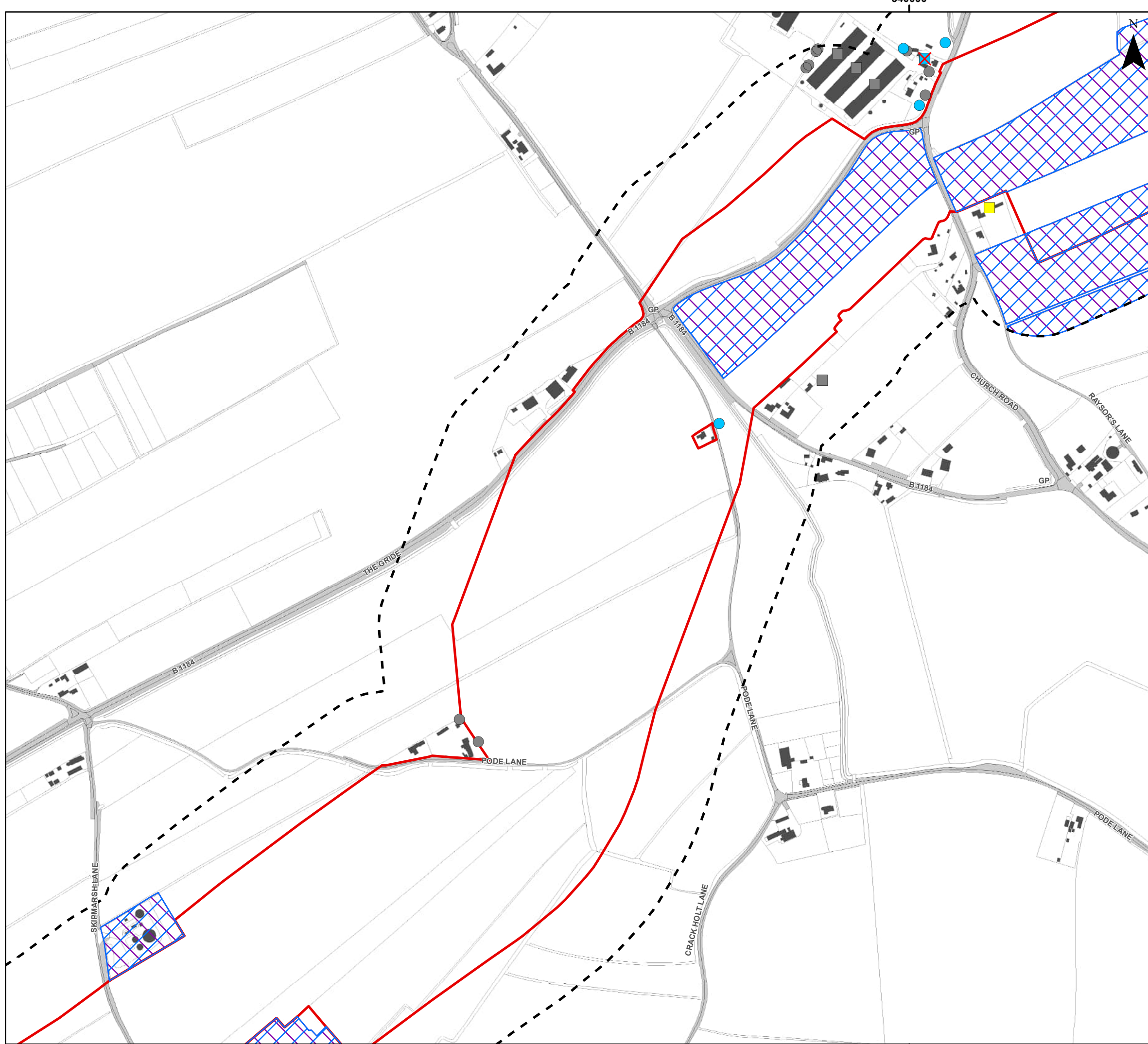
Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.65



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- Legend**
- Onshore PEIR Boundary
  - Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
  - X Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- Moderate Potential
  - Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
  - Negligible Potential

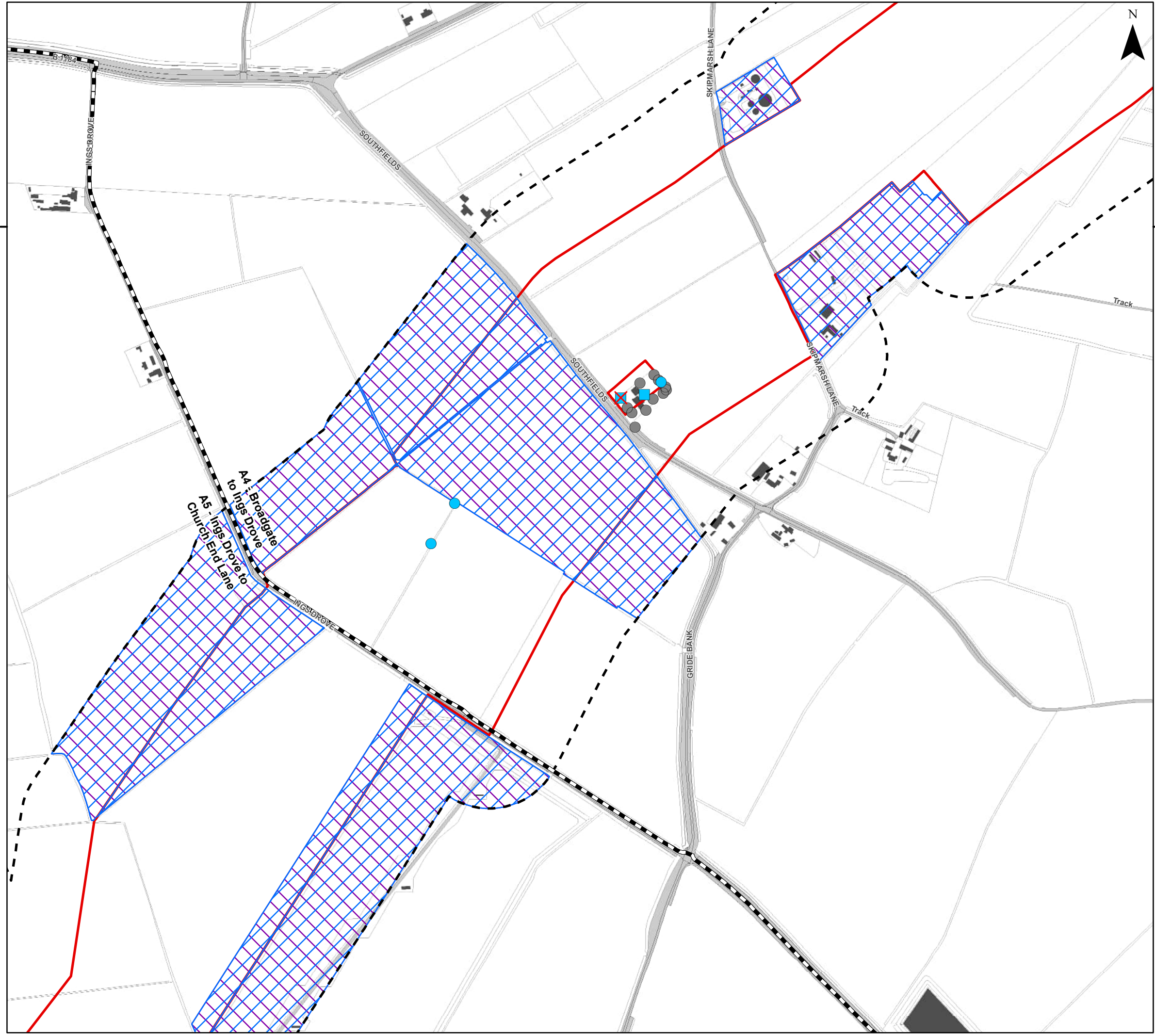
Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.66





**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- × Other Evidence of Bats
- Building Preliminary Bat Roost Potential**
- Low Potential
- Tree Preliminary Bat Roost Potential**
- Low Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential

Figure 21.26.67



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### Legend

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- Moderate Potential

Sources:



Coordinate System: British National Grid

0 125 250 Meters

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

Figure 21.26.68

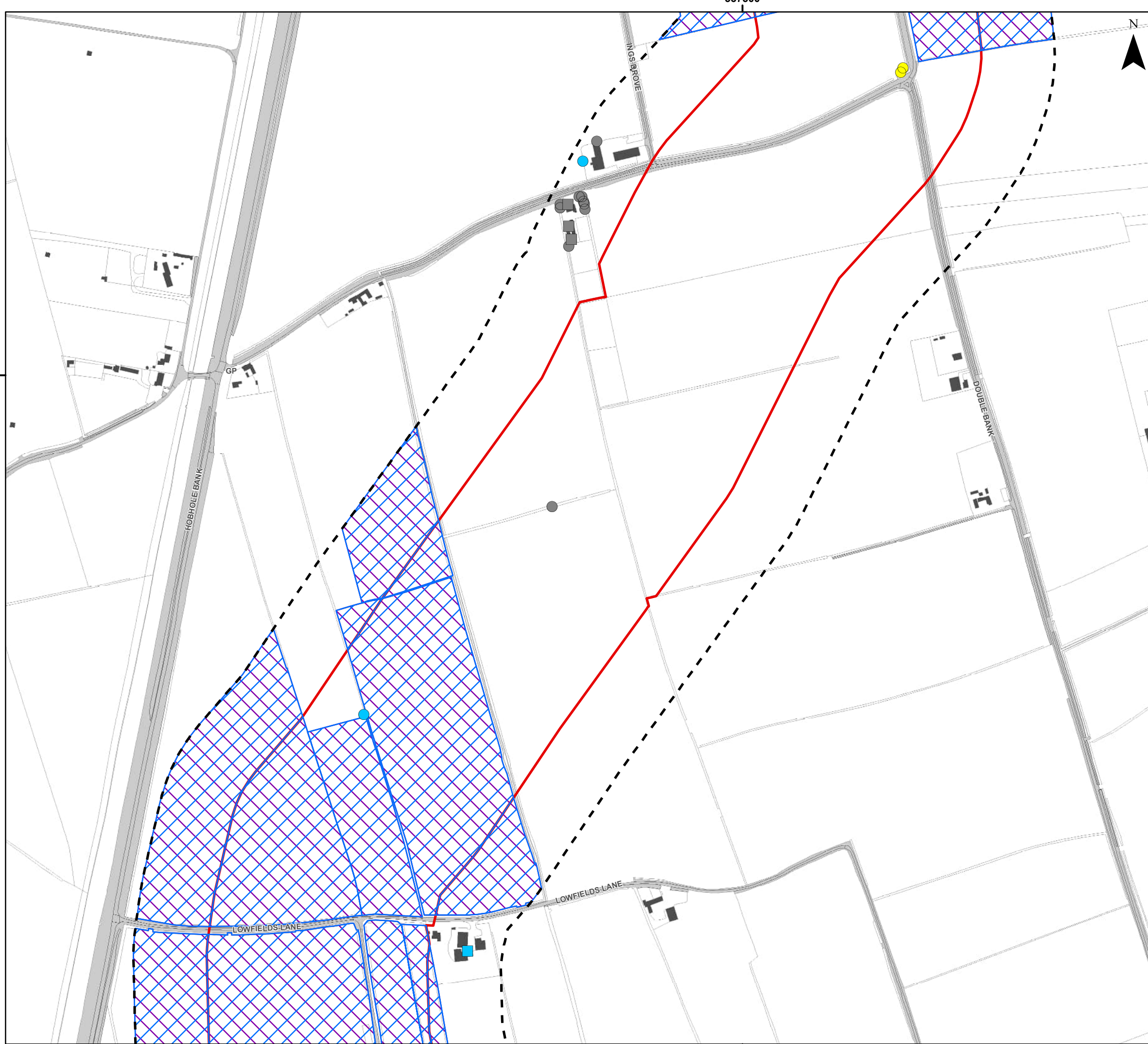


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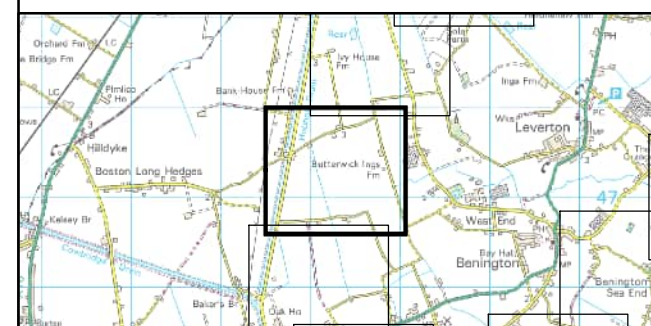
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**Legend**

- Onshore PEIR Boundary
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
  - Low Potential
  - Negligible Potential
- Tree Preliminary Bat Roost Potential**
  - Moderate Potential
  - Low Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.69

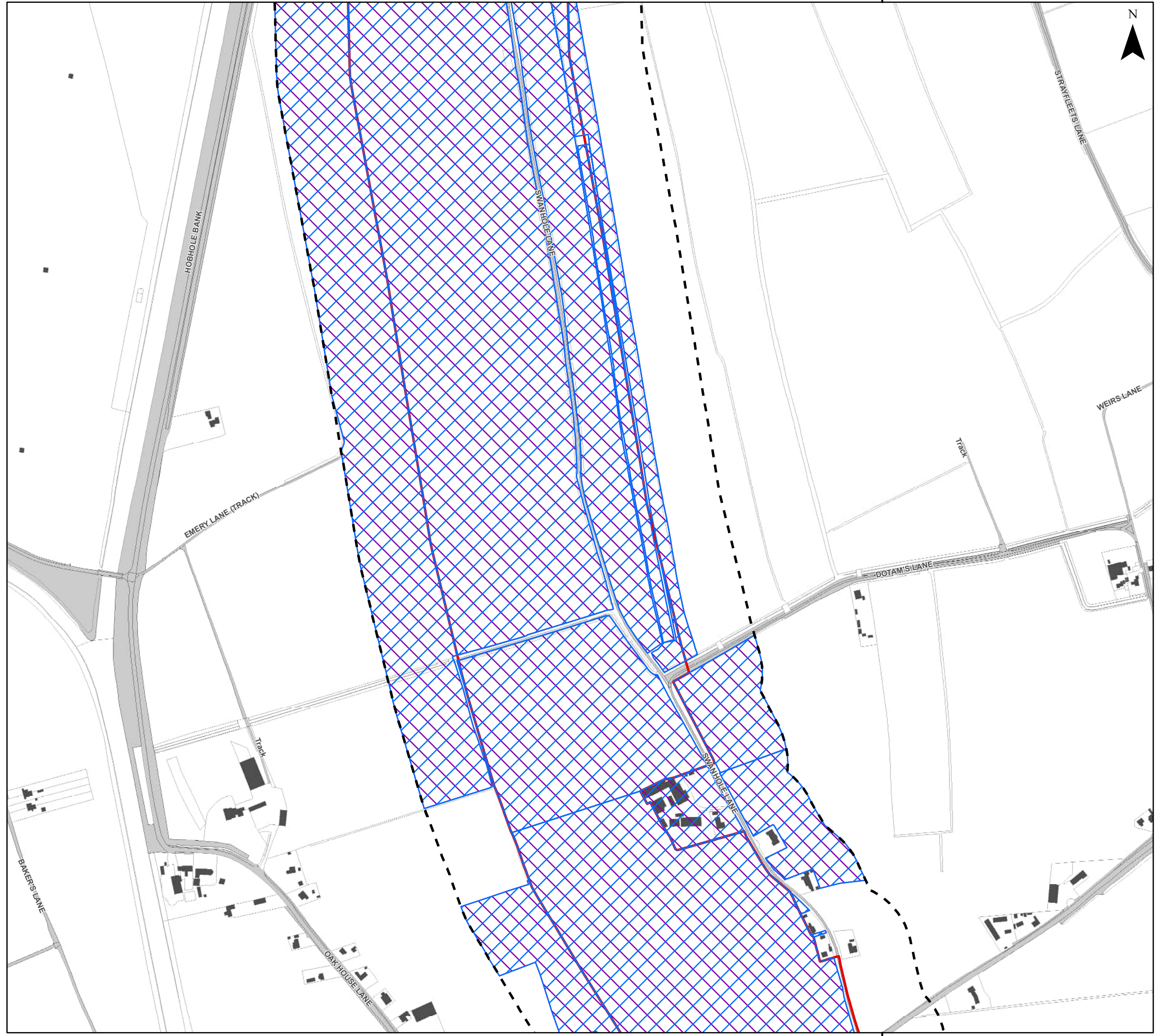


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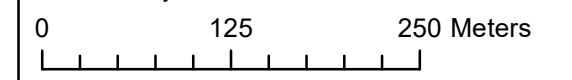
### Legend

-  Onshore PEIR Boundary
-  Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
-  Trees Not Surveyed in this Area for Bat Roost Potential
-  Buildings Not Surveyed in this Area for Bat Roost Potential

Sources:



Coordinate System: British National Grid



Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh  
Bat Roost Potential

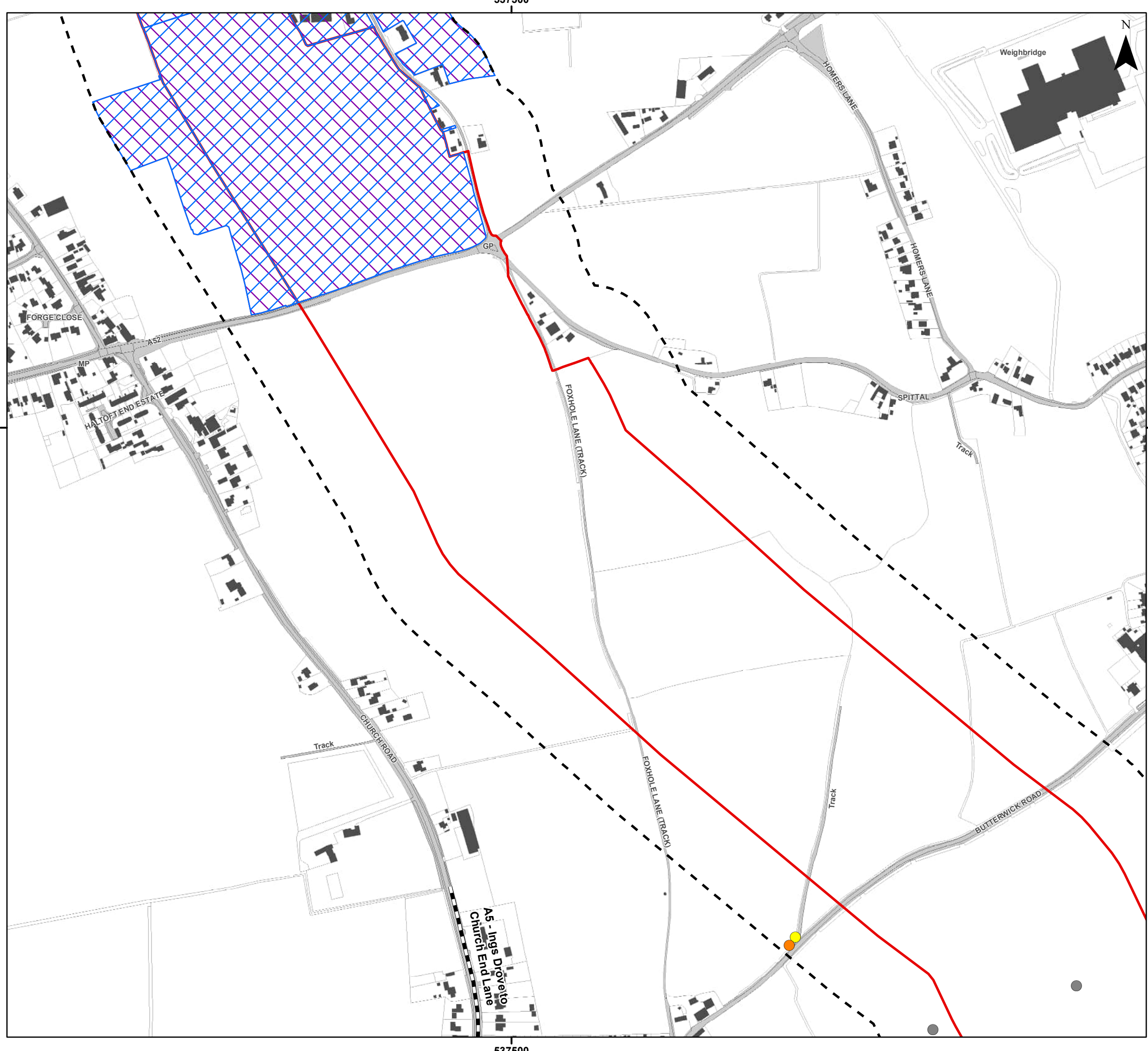
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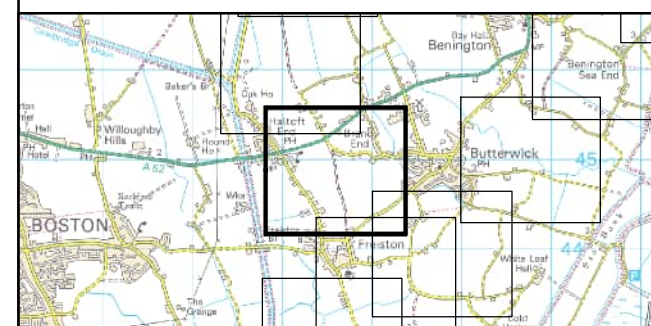
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
  - Trees Not Surveyed in this Area for Bat Roost Potential
  - Buildings Not Surveyed in this Area for Bat Roost Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
  - Moderate Potential
  - Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.71

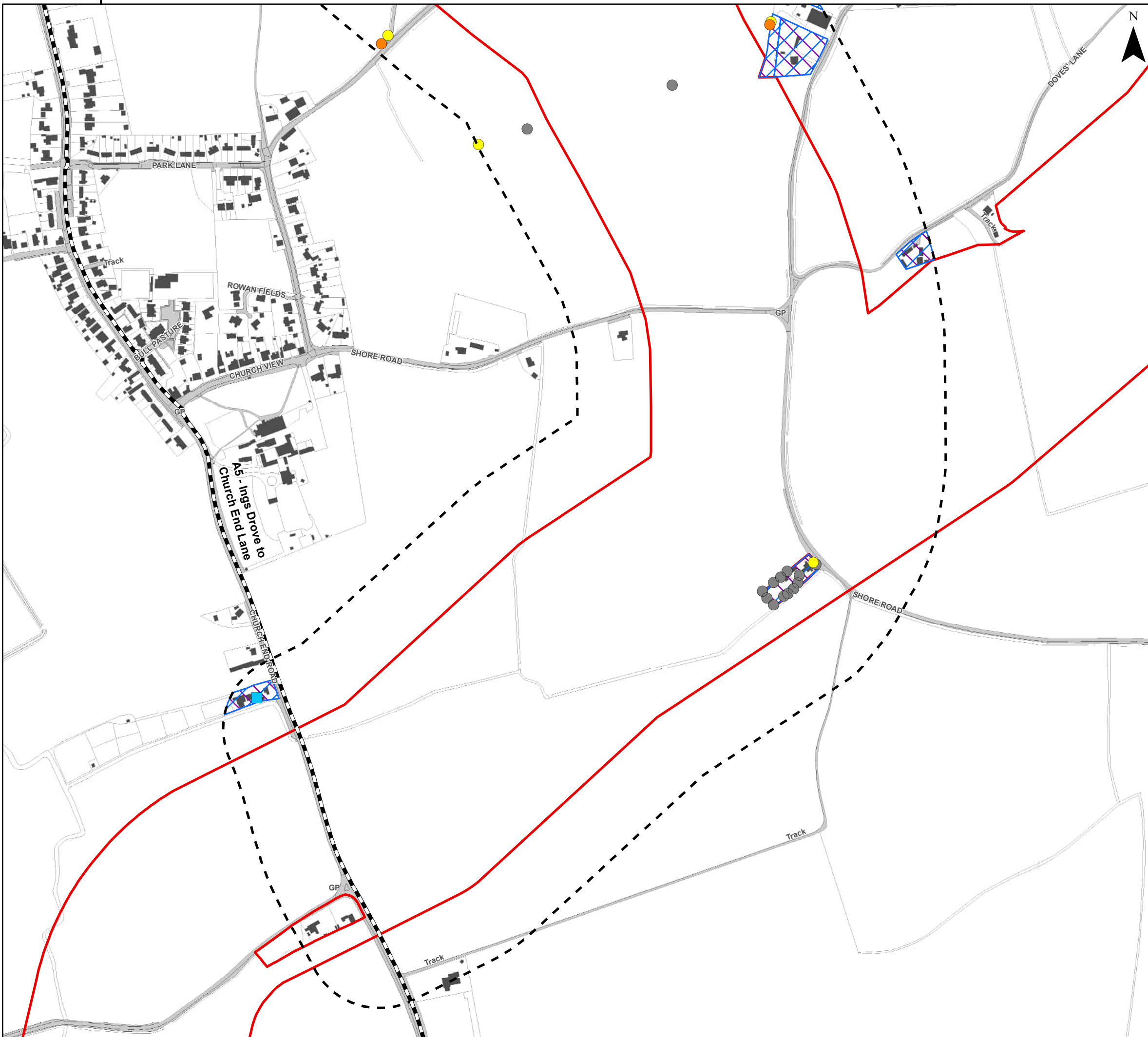


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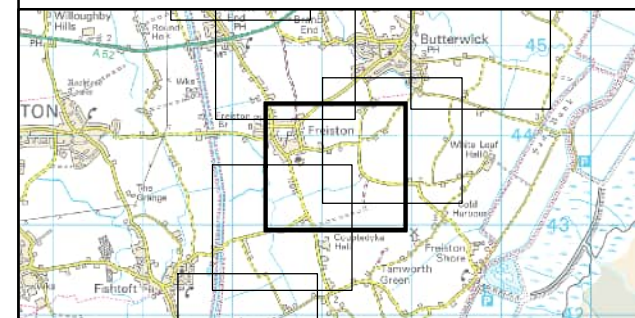
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary 100m Buffer (Weston Marsh, Via North of the A52)
- Trees Not Surveyed in this Area for Bat Roost Potential
- Buildings Not Surveyed in this Area for Bat Roost Potential
- Building Preliminary Bat Roost Potential**
- Low Potential
- Tree Preliminary Bat Roost Potential**
- High Potential
- Moderate Potential
- Negligible Potential

Sources:



Coordinate System: British National Grid  
 0 125 250 Meters  
 Scale: 1:5,000

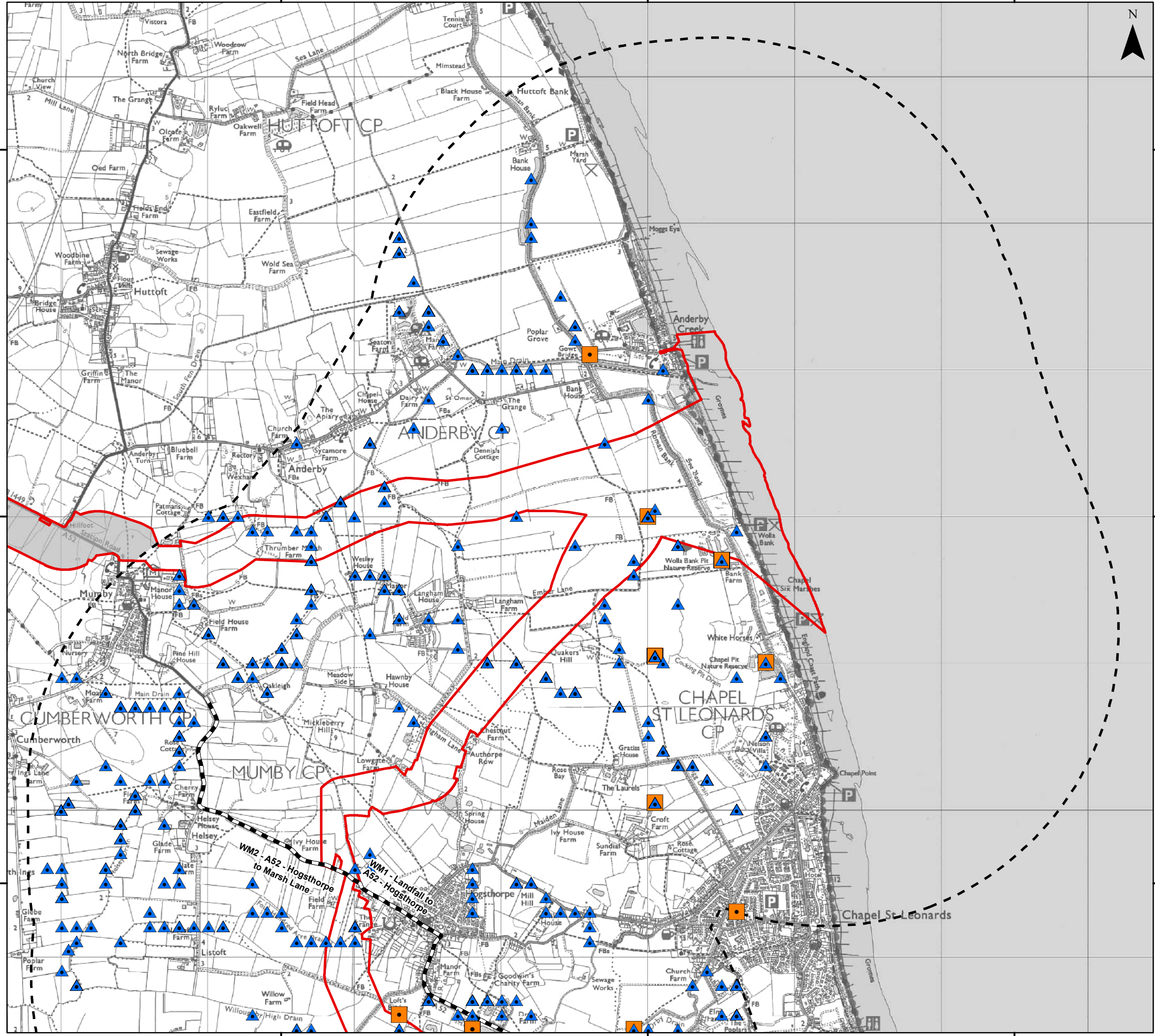
Preliminary Environmental Information Report  
 Weston Marsh  
 Bat Roost Potential  
 Figure 21.26.72








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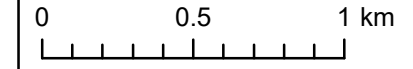
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Riparian**
-  European Water Vole
-  Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.1



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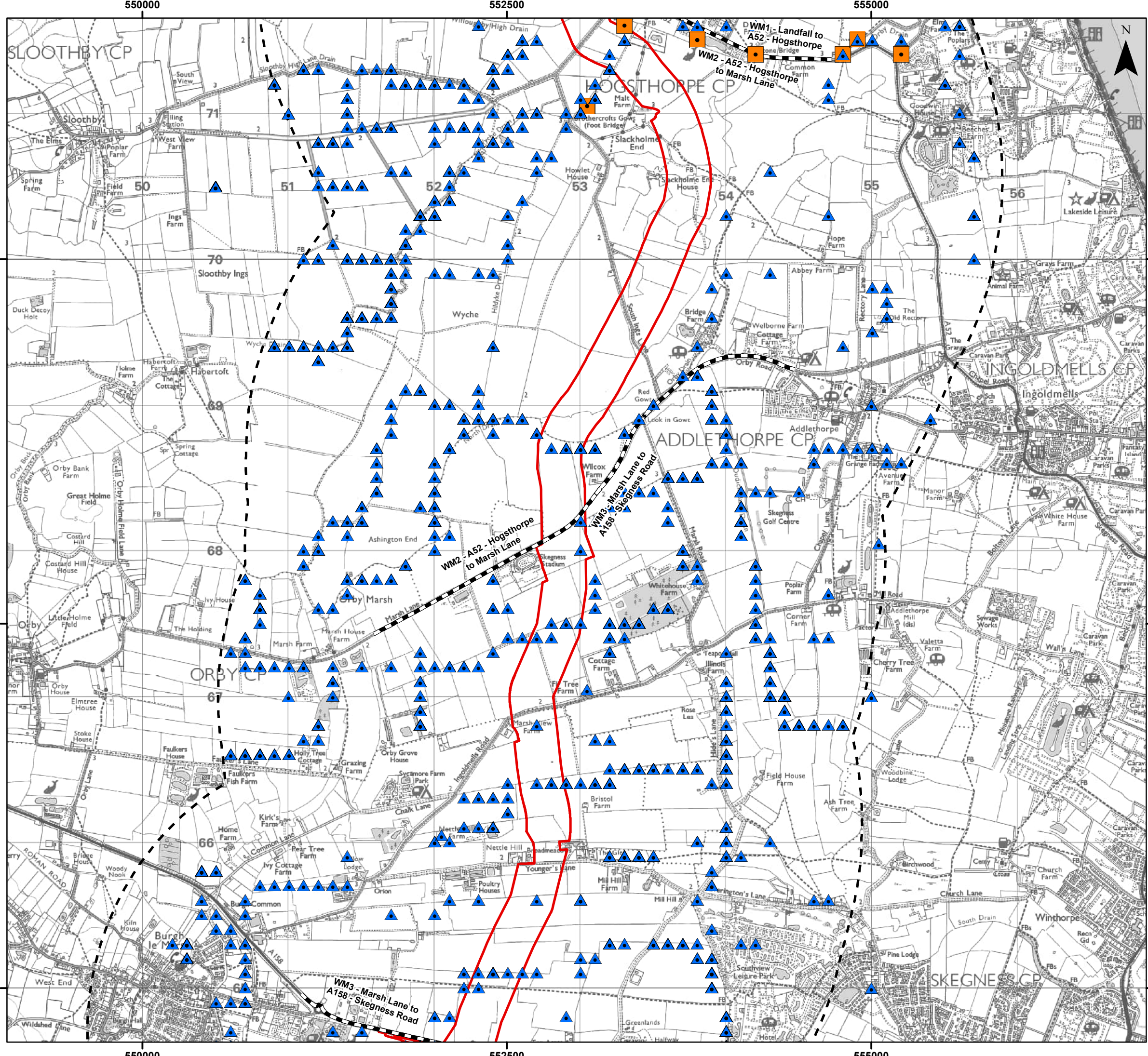
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.2

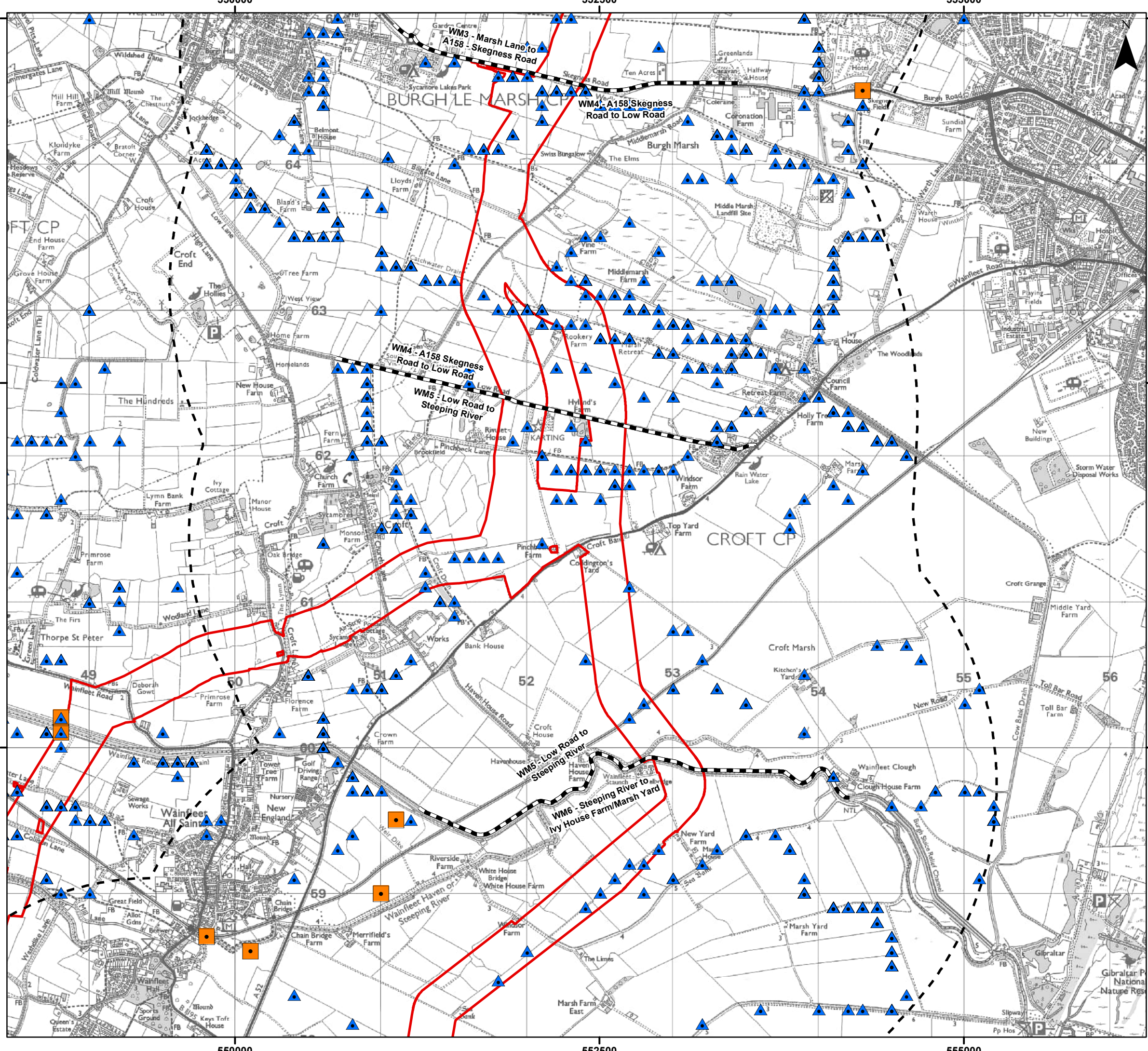


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.3



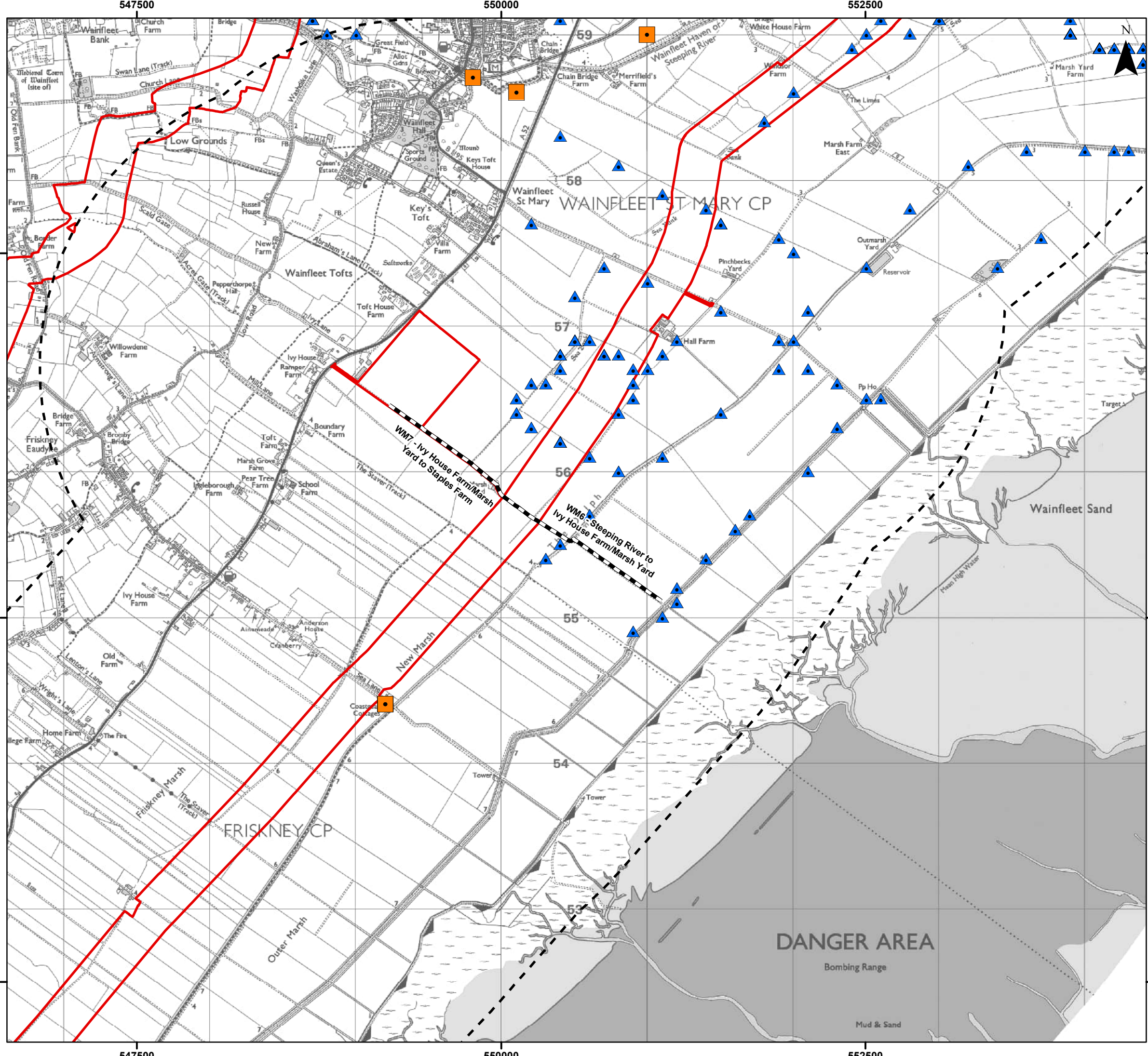
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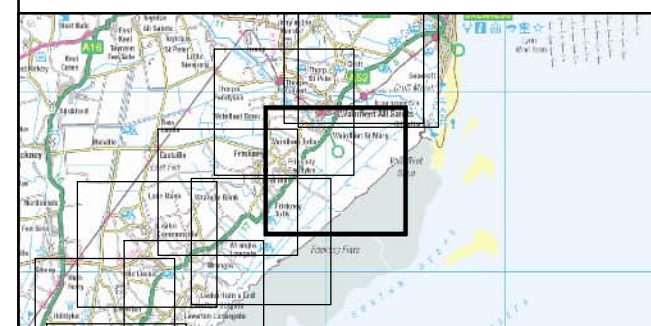




**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Riparian Mammals**
- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.4

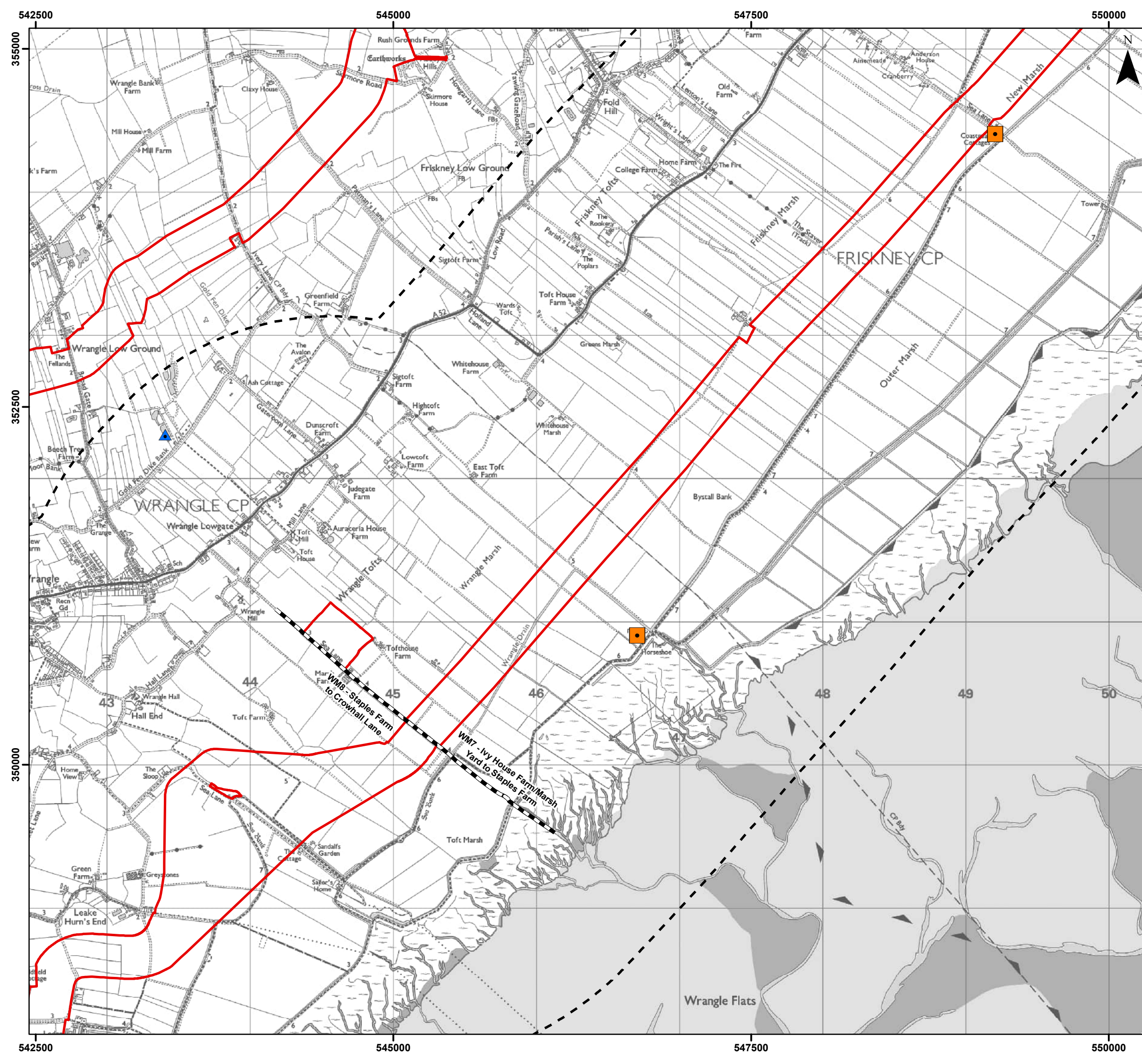


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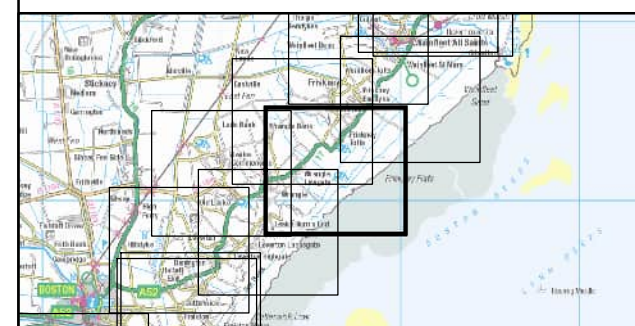
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- #### Local Records: Riparian Mammals
- ▲ European Water Vole
  - Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.5

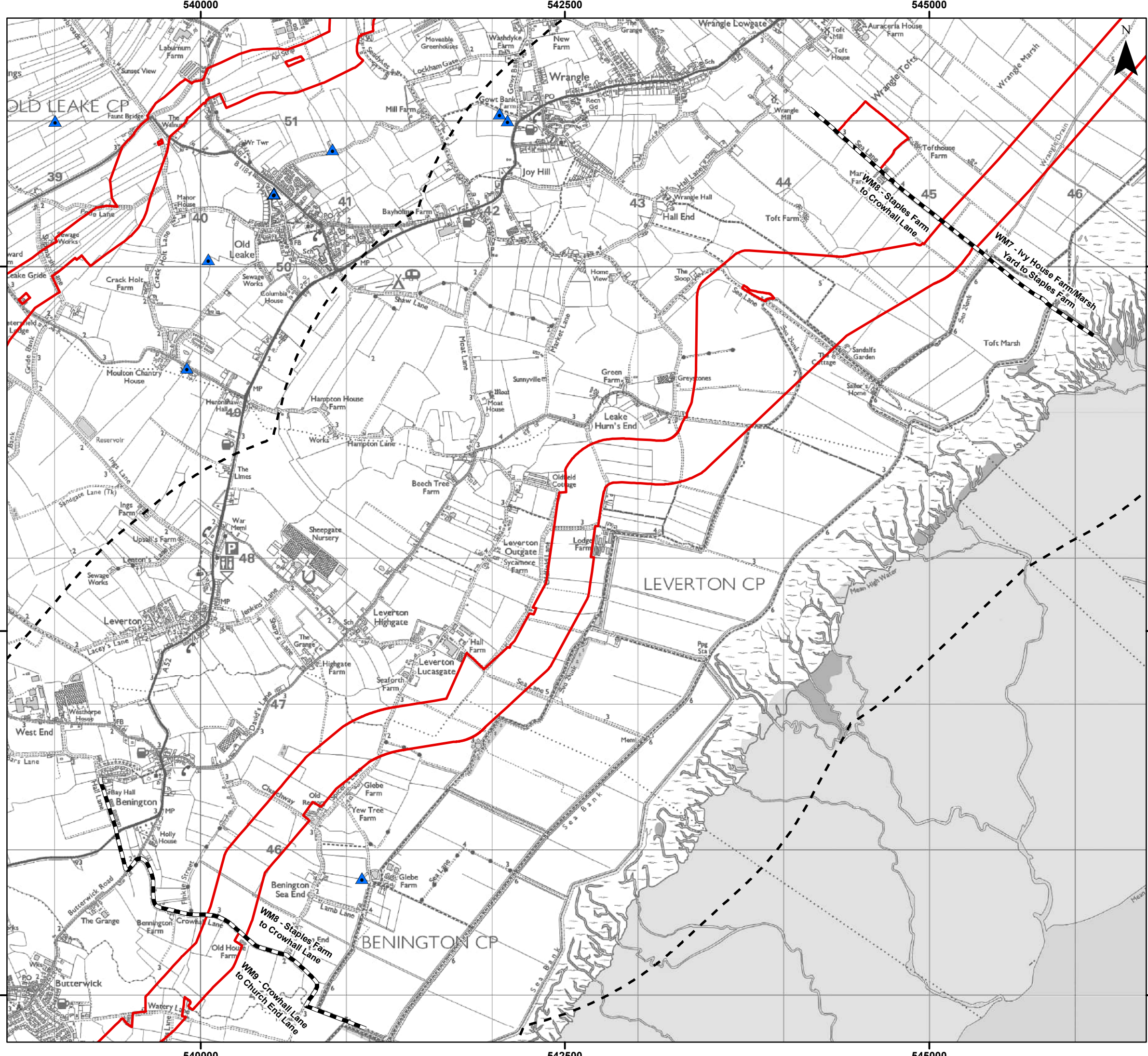


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.6

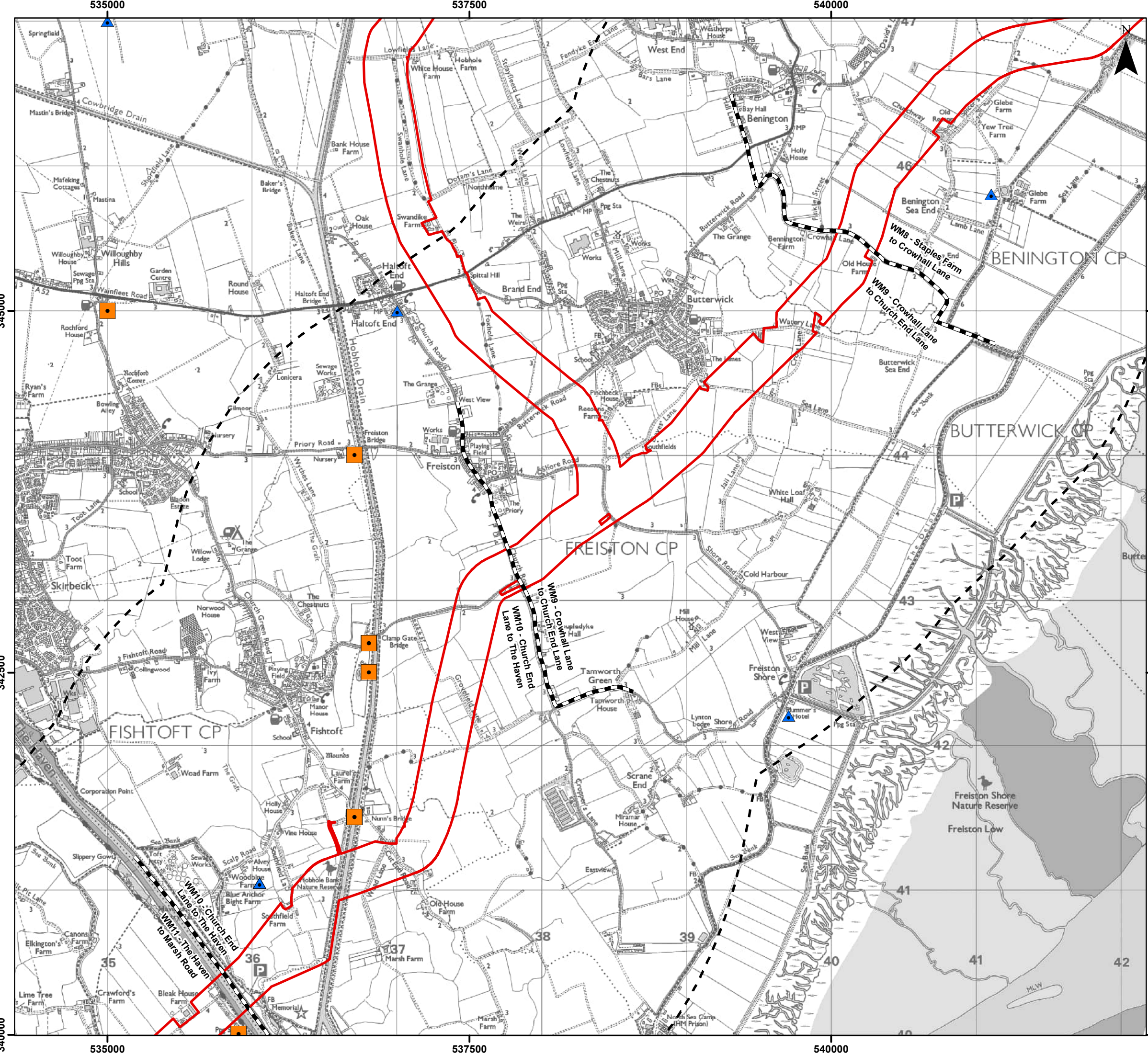


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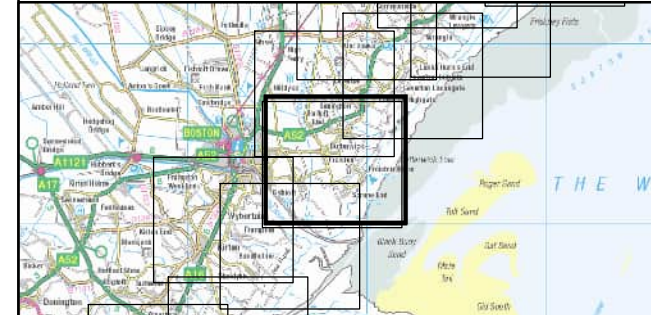
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)

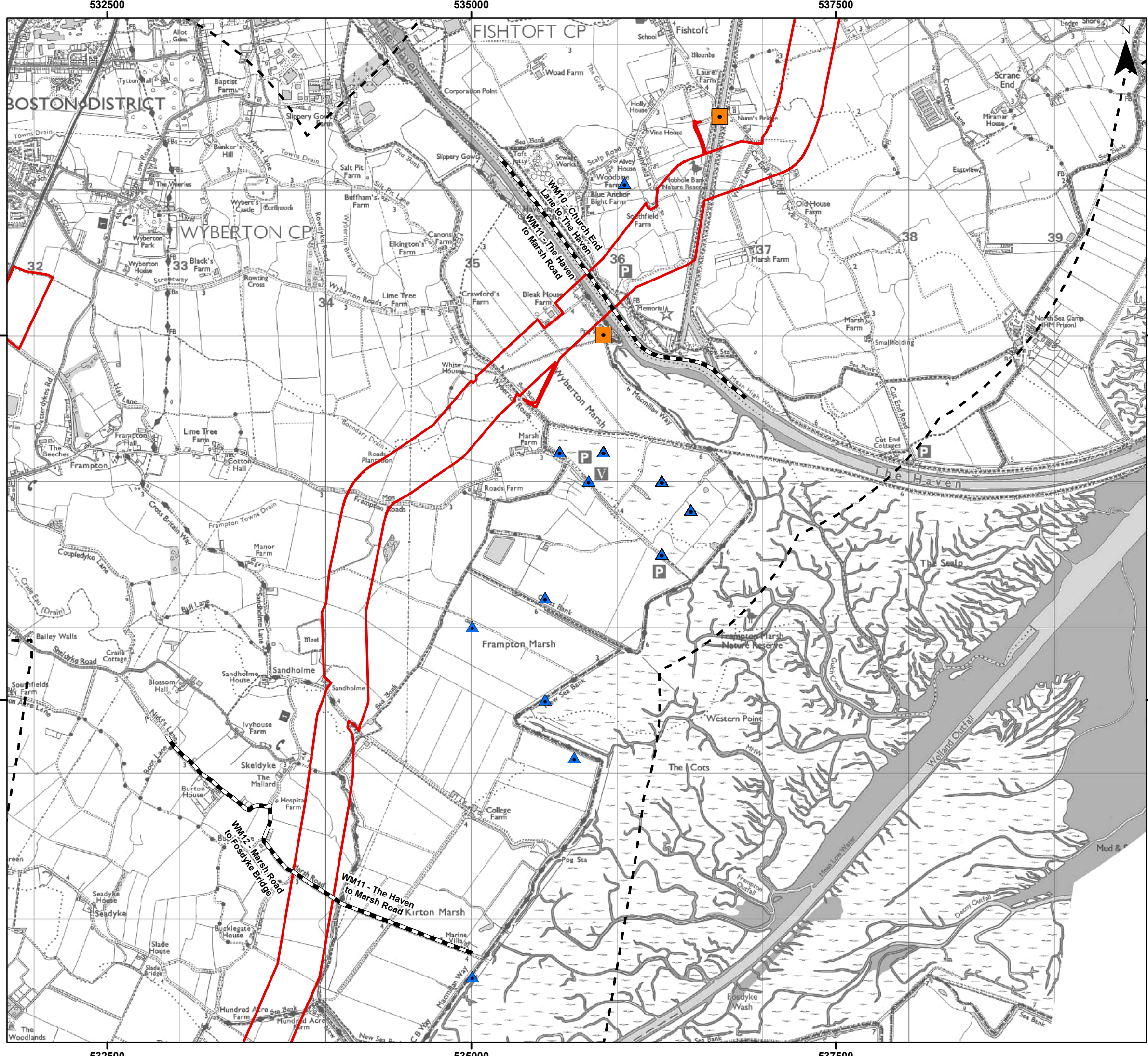


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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.7



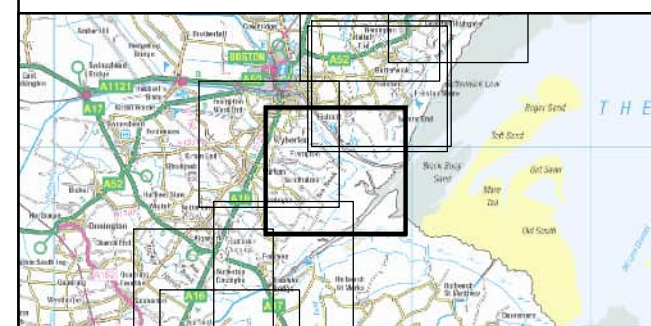
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Riparian Mammals**
- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.8



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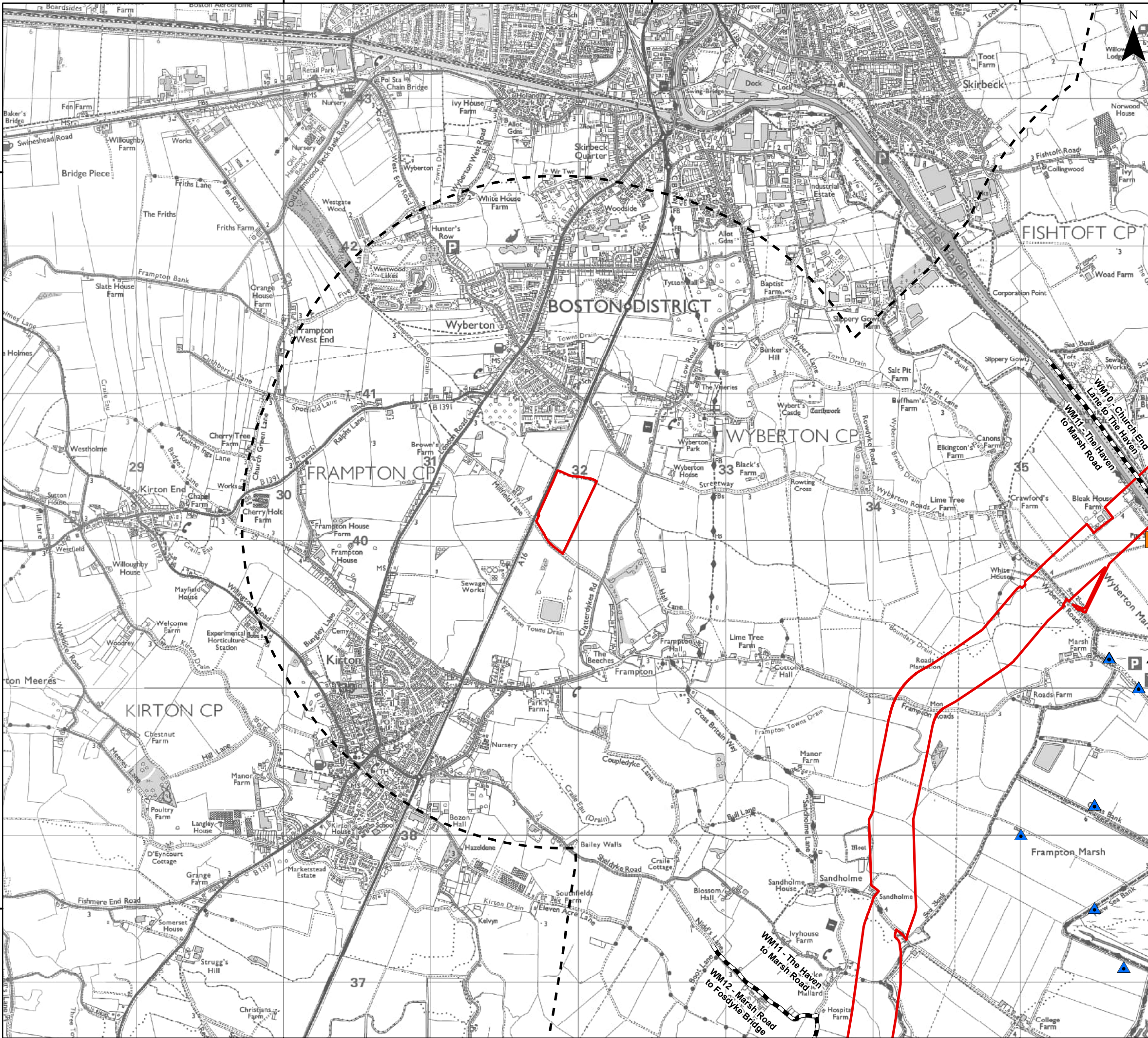
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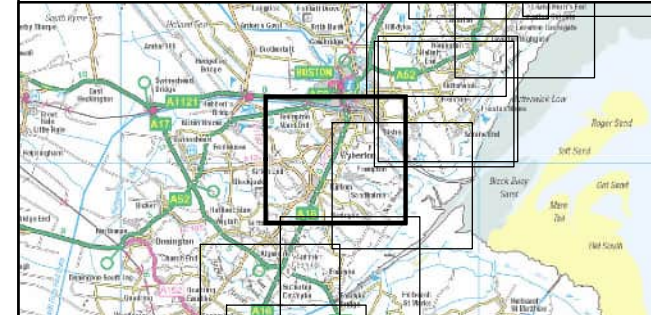
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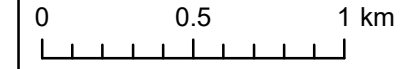
-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Riparian Mammals**
-  European Water Vole
-  Eurasian Otter



Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



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Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.9



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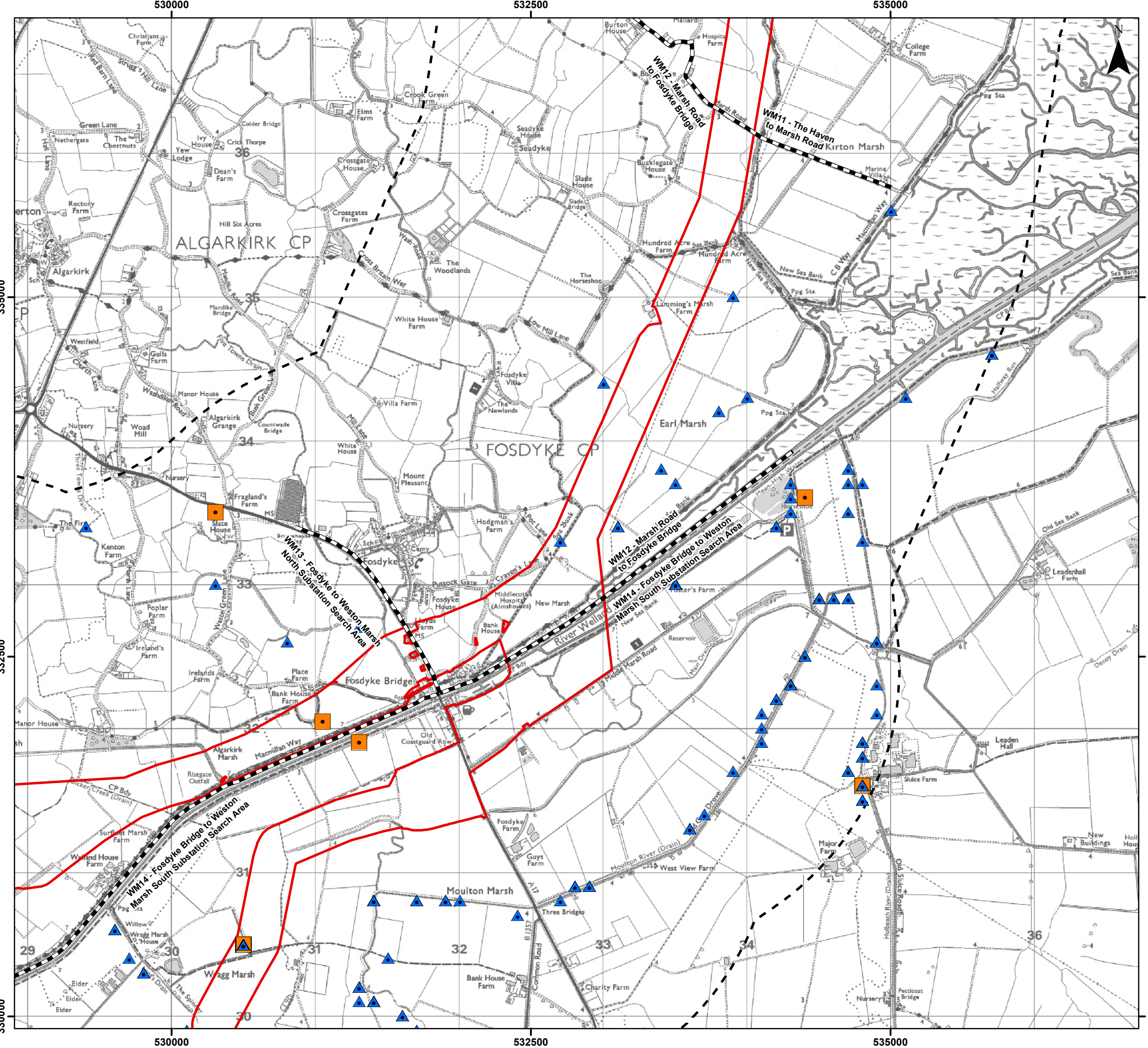
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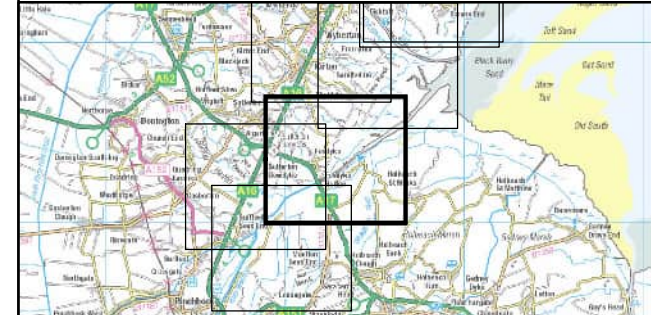
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.10

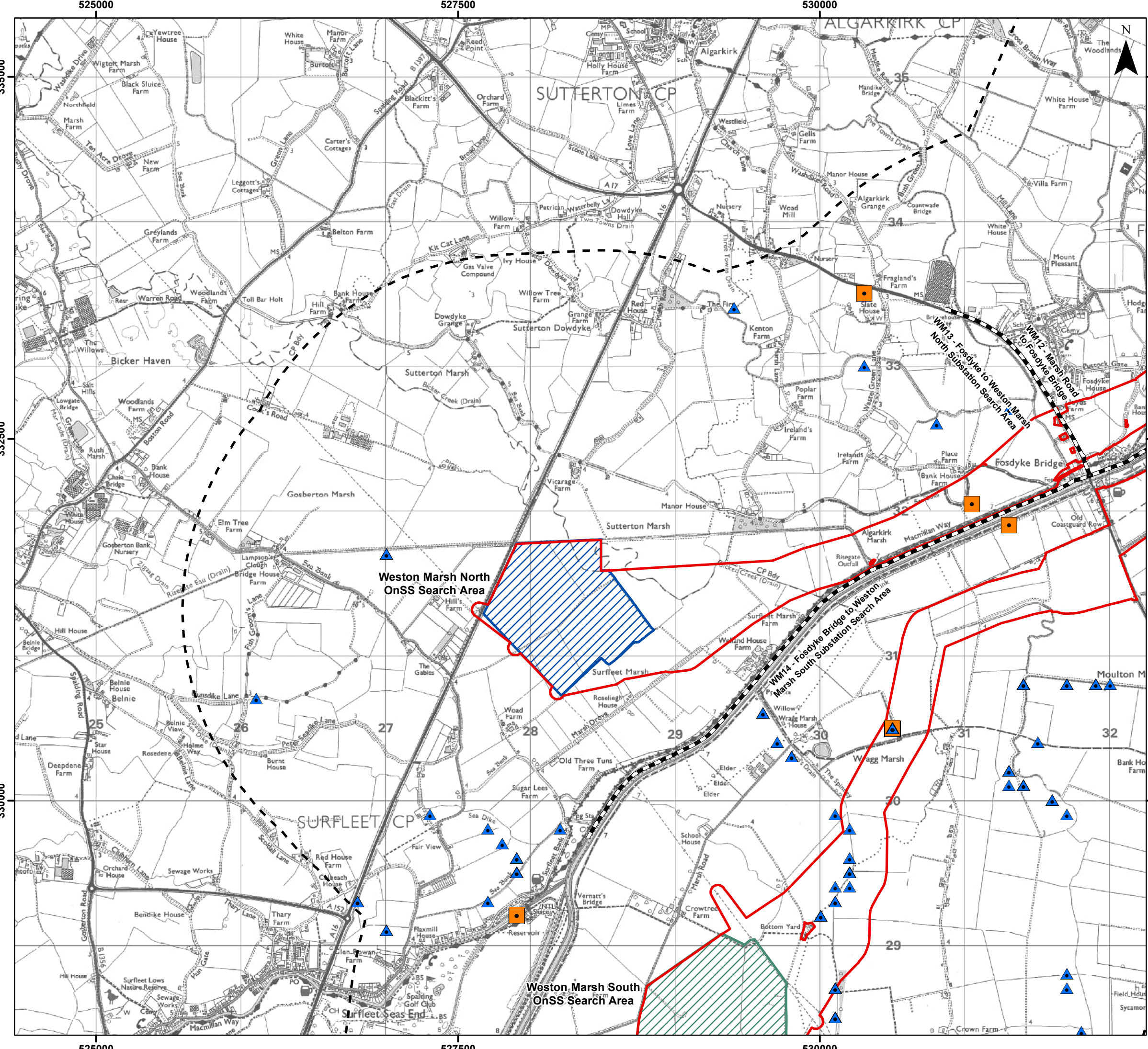


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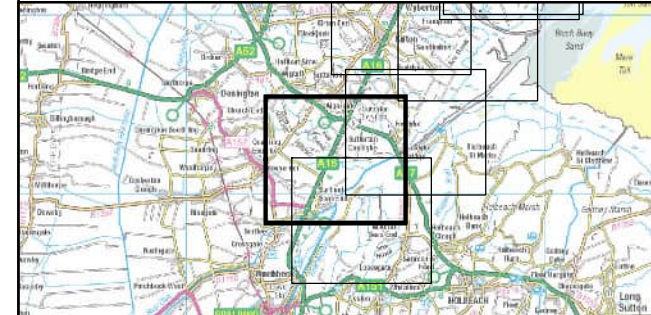
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.11



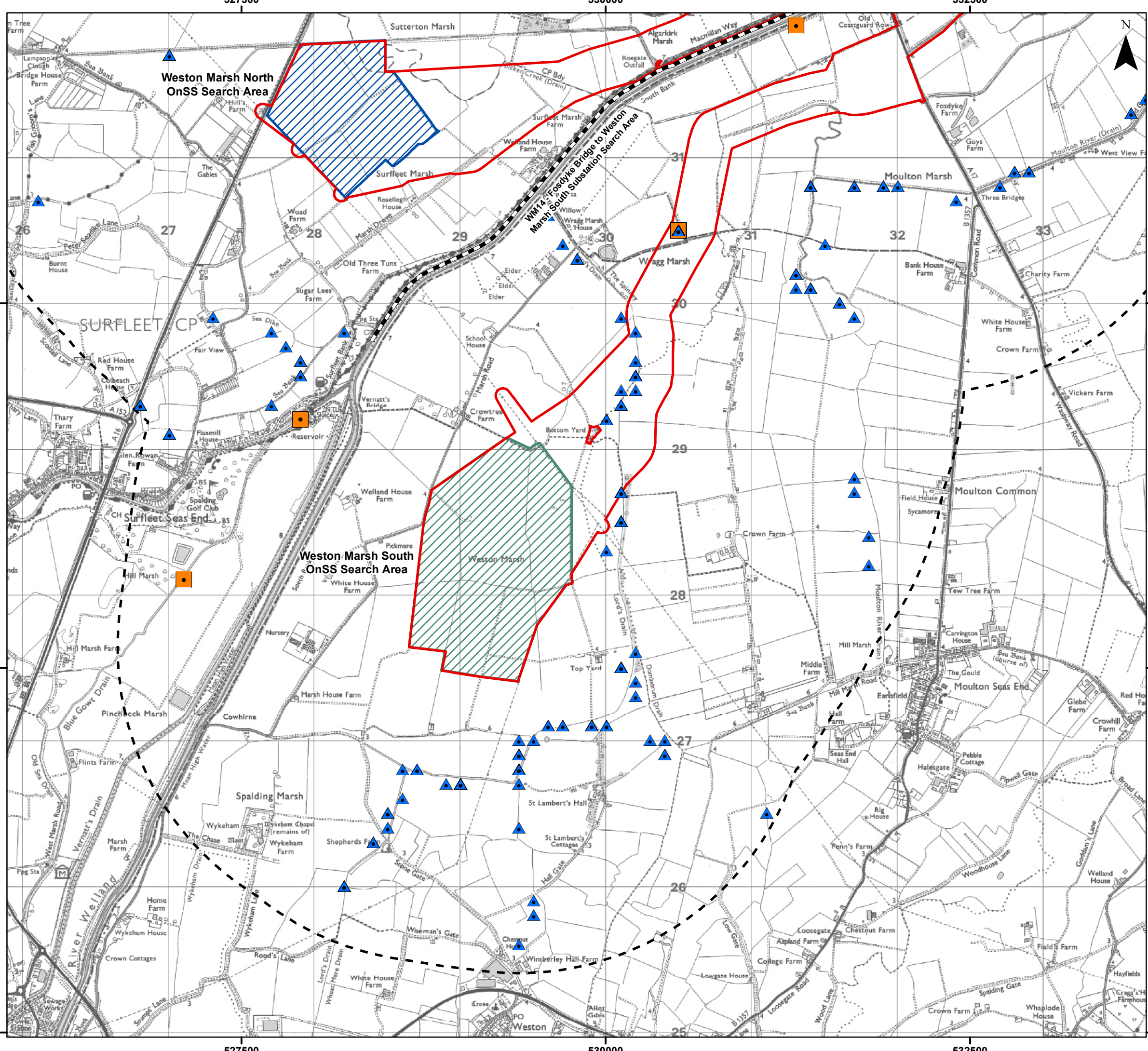
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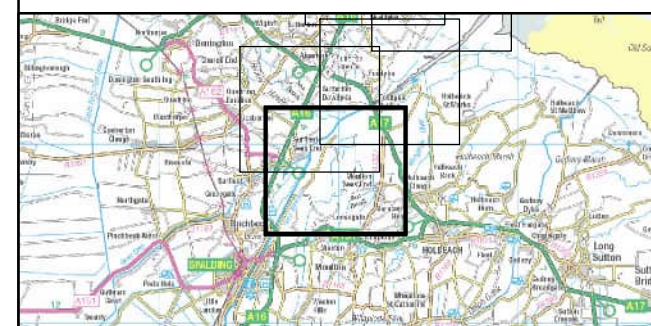
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.12

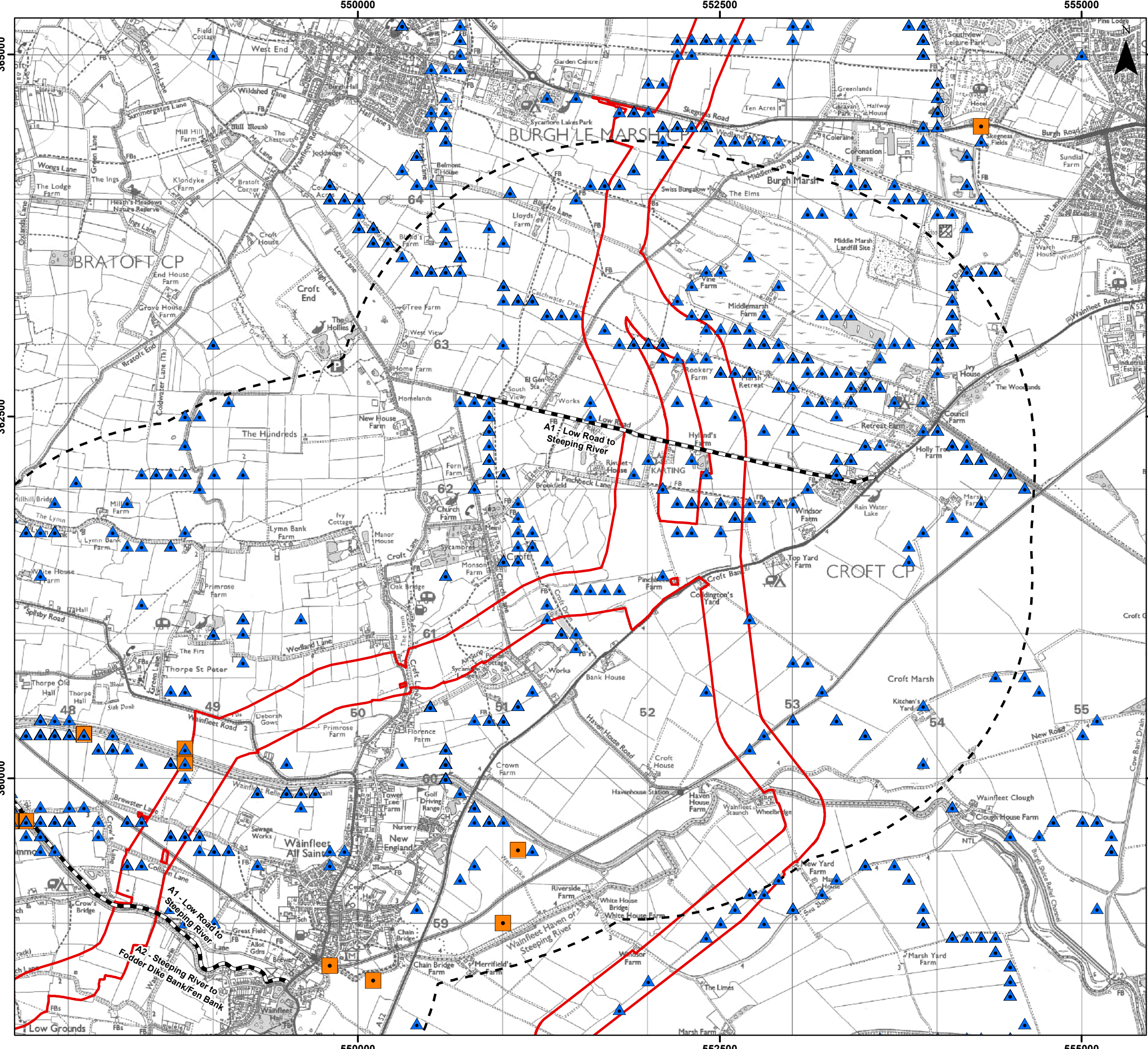


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.13

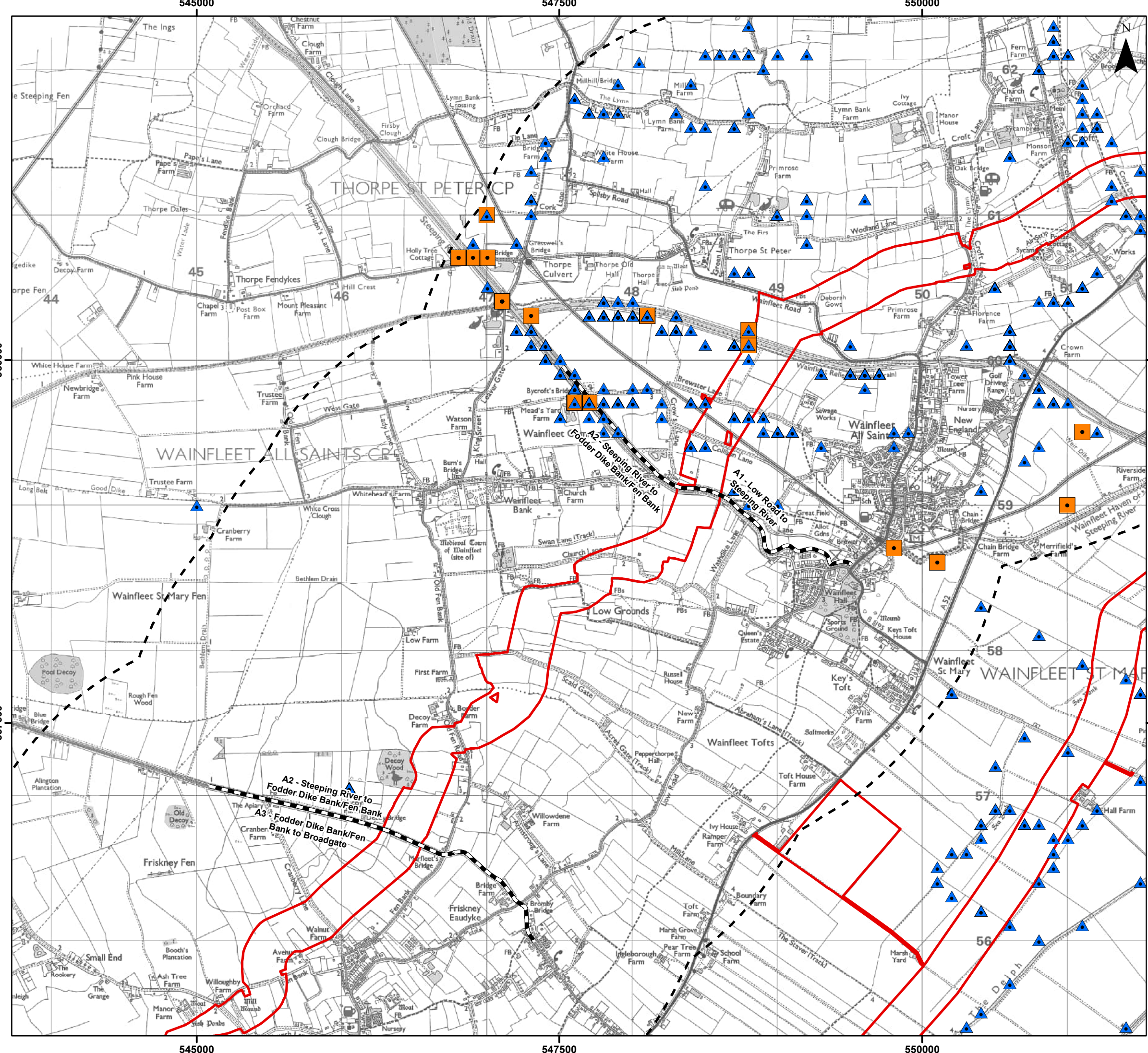


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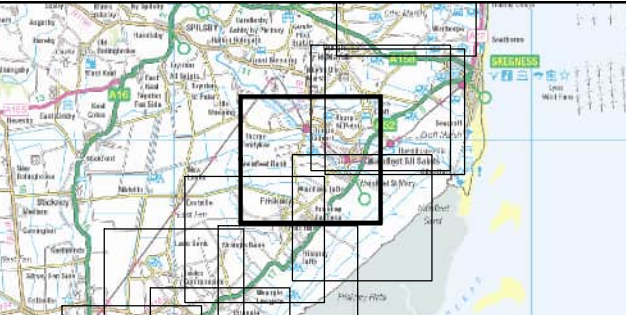
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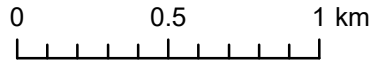
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer
- Local Records: Riparian Mammals**
- ▲ European Water Vole
- Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.14



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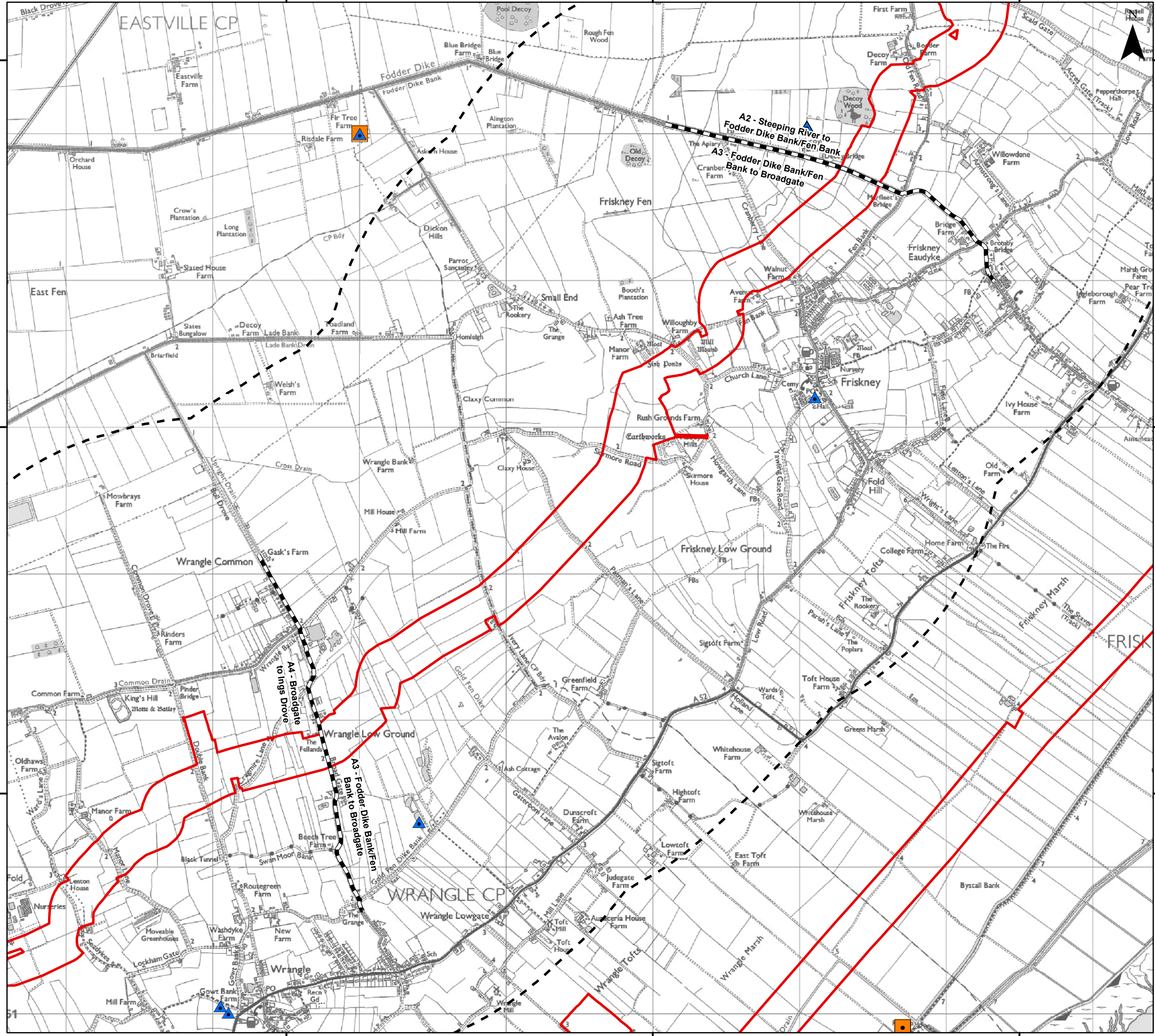
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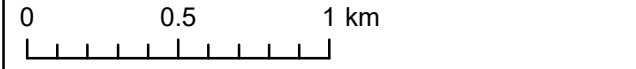
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer
- Local Records: Riparian Mammals**
- ▲ European Water Vole
- Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.15

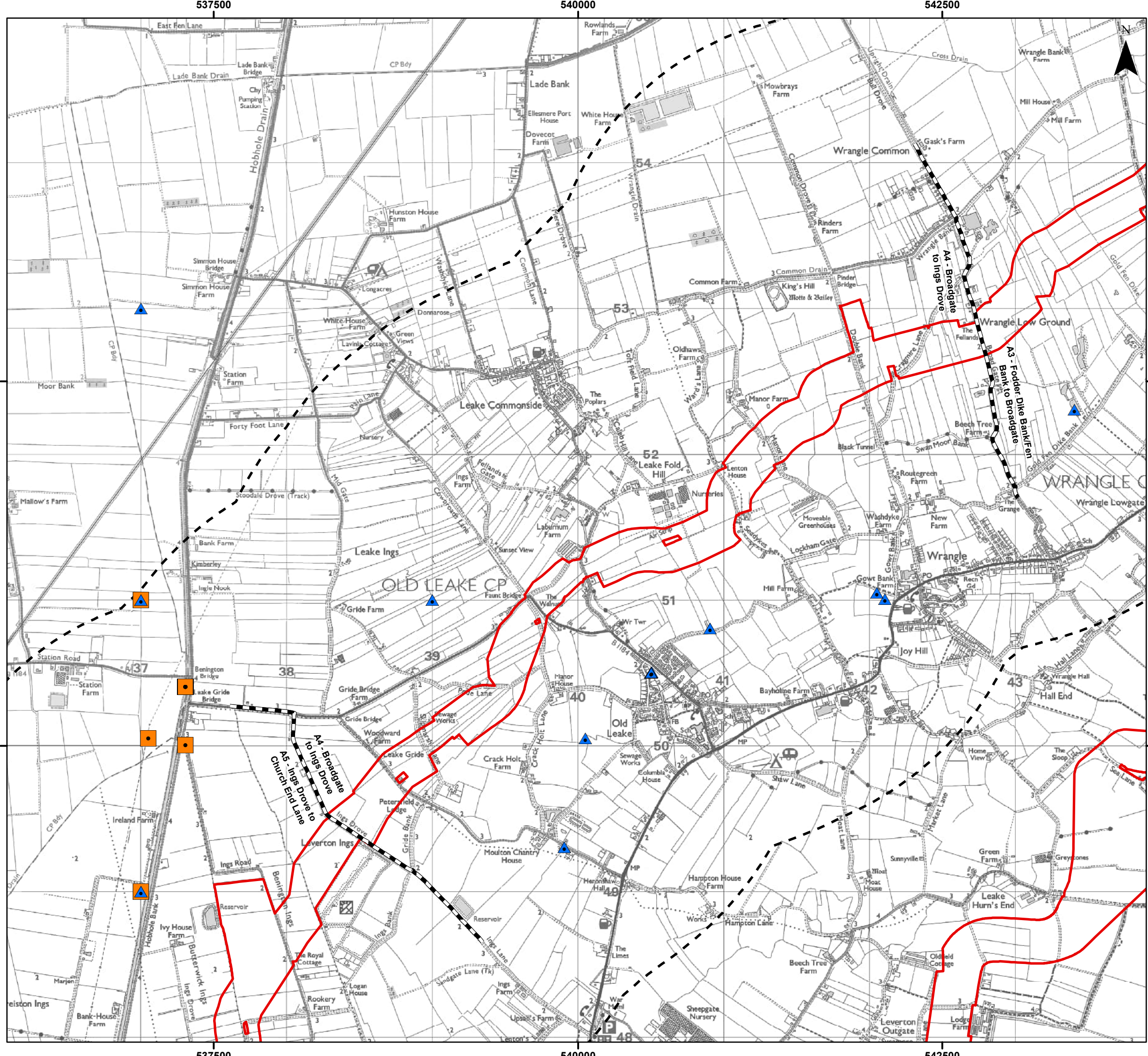


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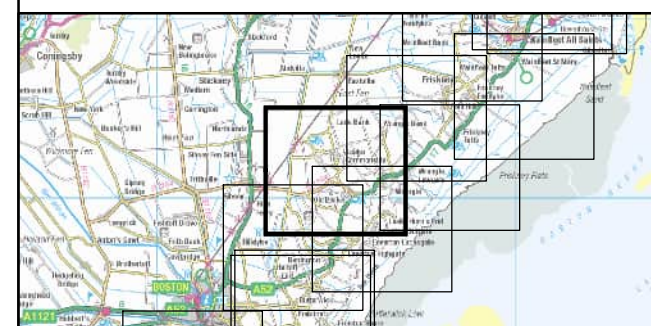
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

**Local Records: Riparian Mammals**

- ▲ European Water Vole
- Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.16

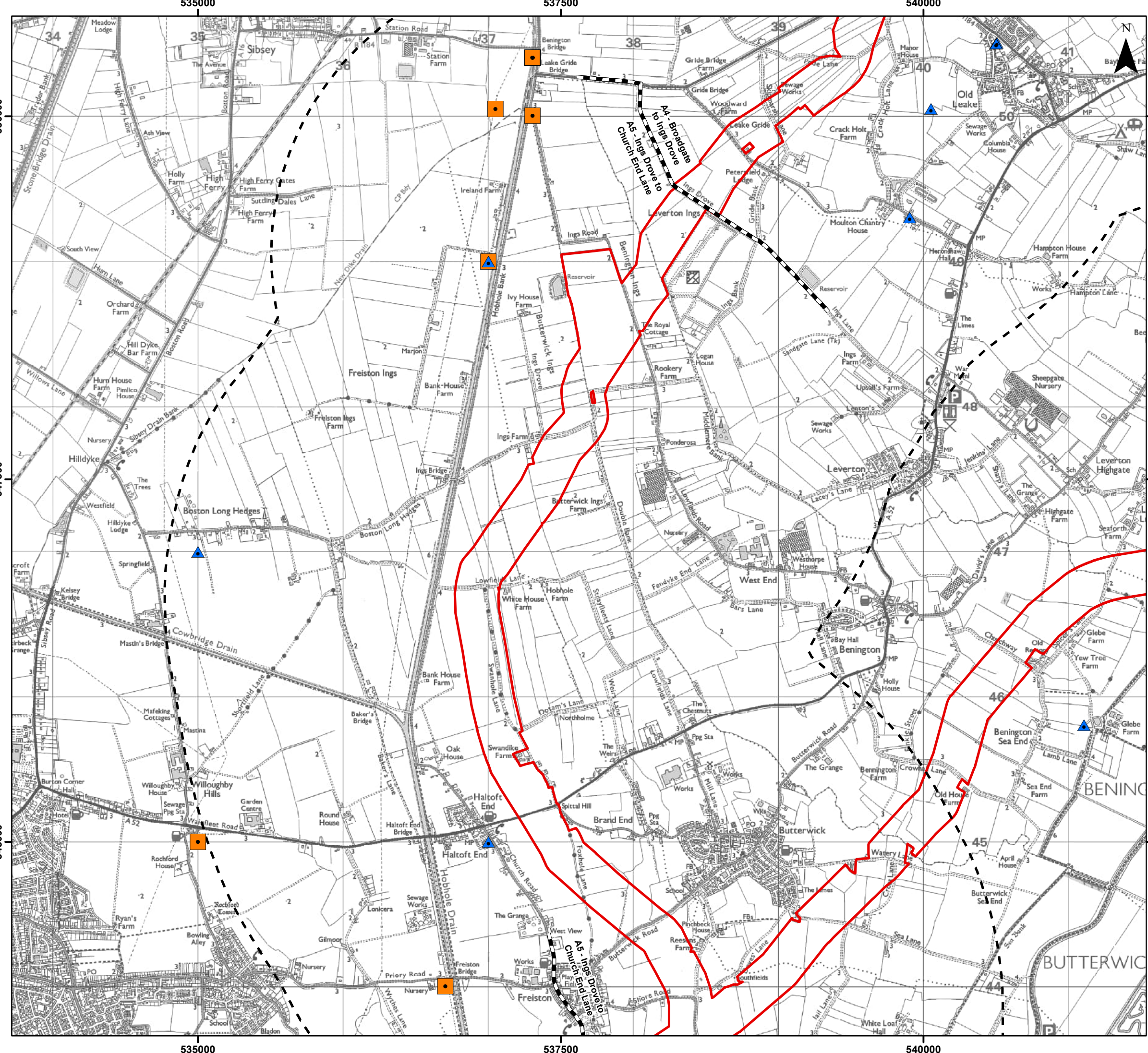


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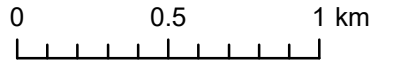
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer
- ▲ Local Records: Riparian Mammals  
European Water Vole
- Eurasian Otter

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Riparian Mammals  
Figure 21.27.17

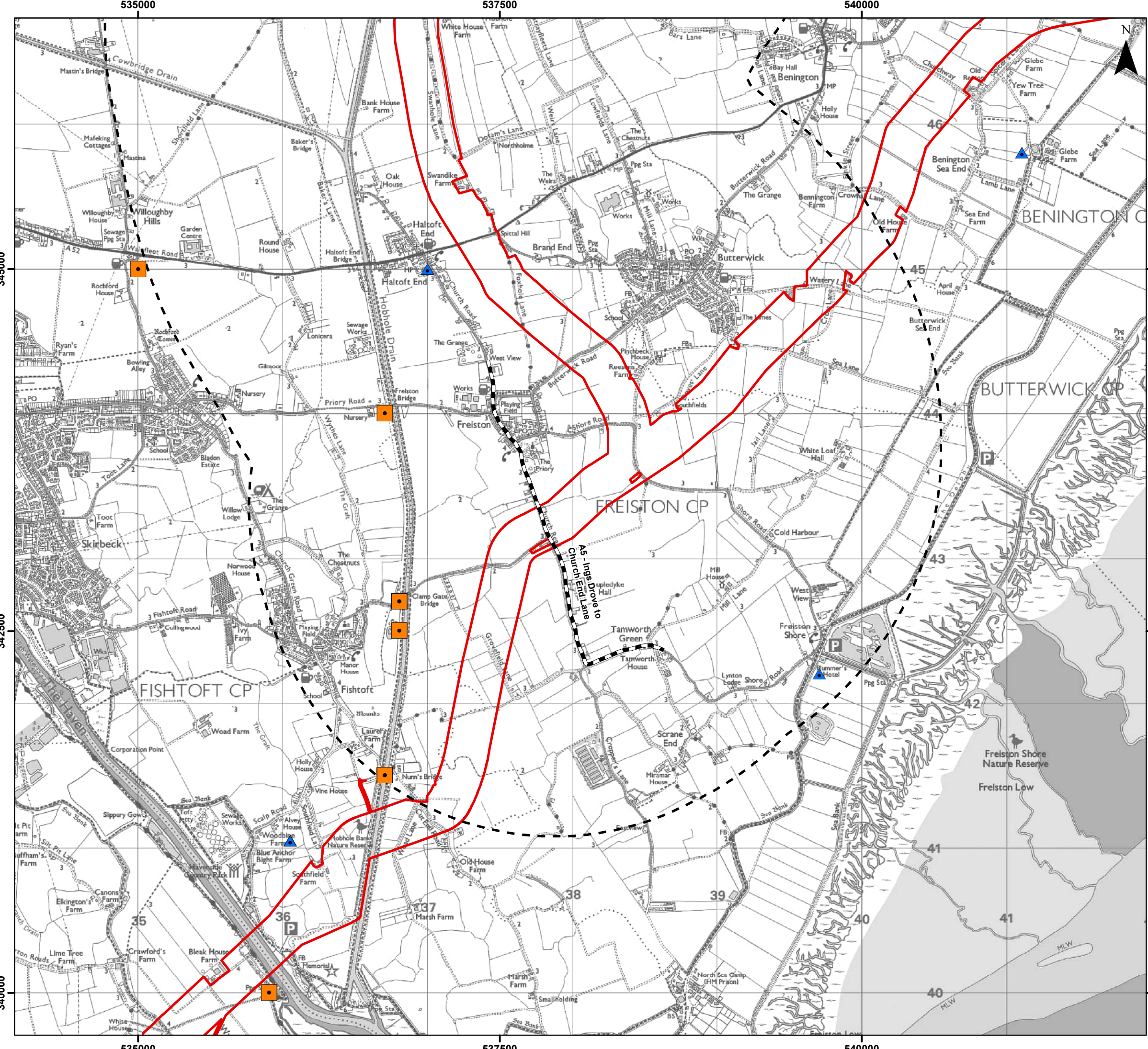


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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer
- Local Records: Riparian Mammals**
- ▲ European Water Vole
  - Eurasian Otter

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Riparian Mammals  
 Figure 21.27.18



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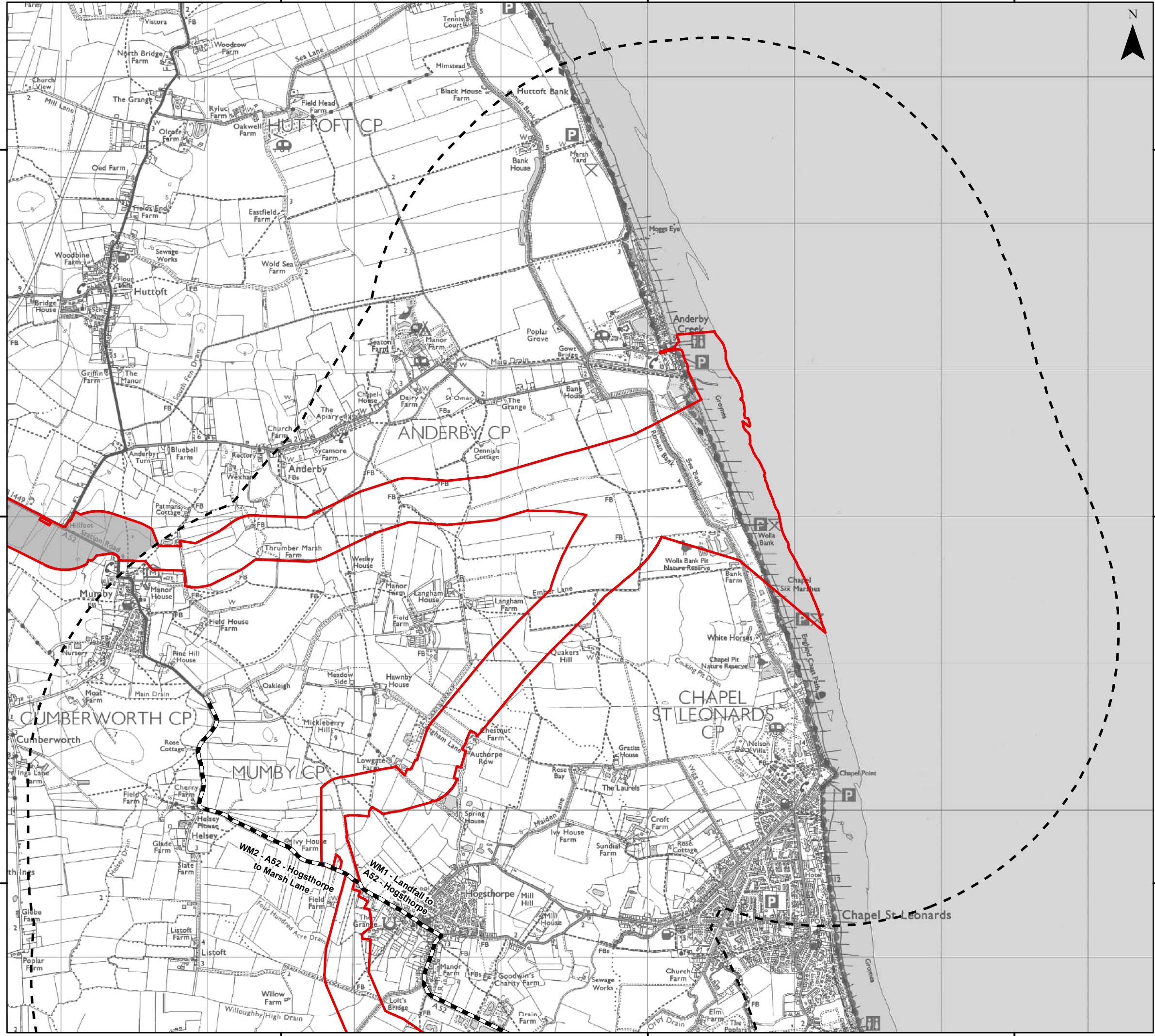
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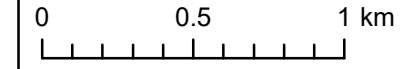
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



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### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.1



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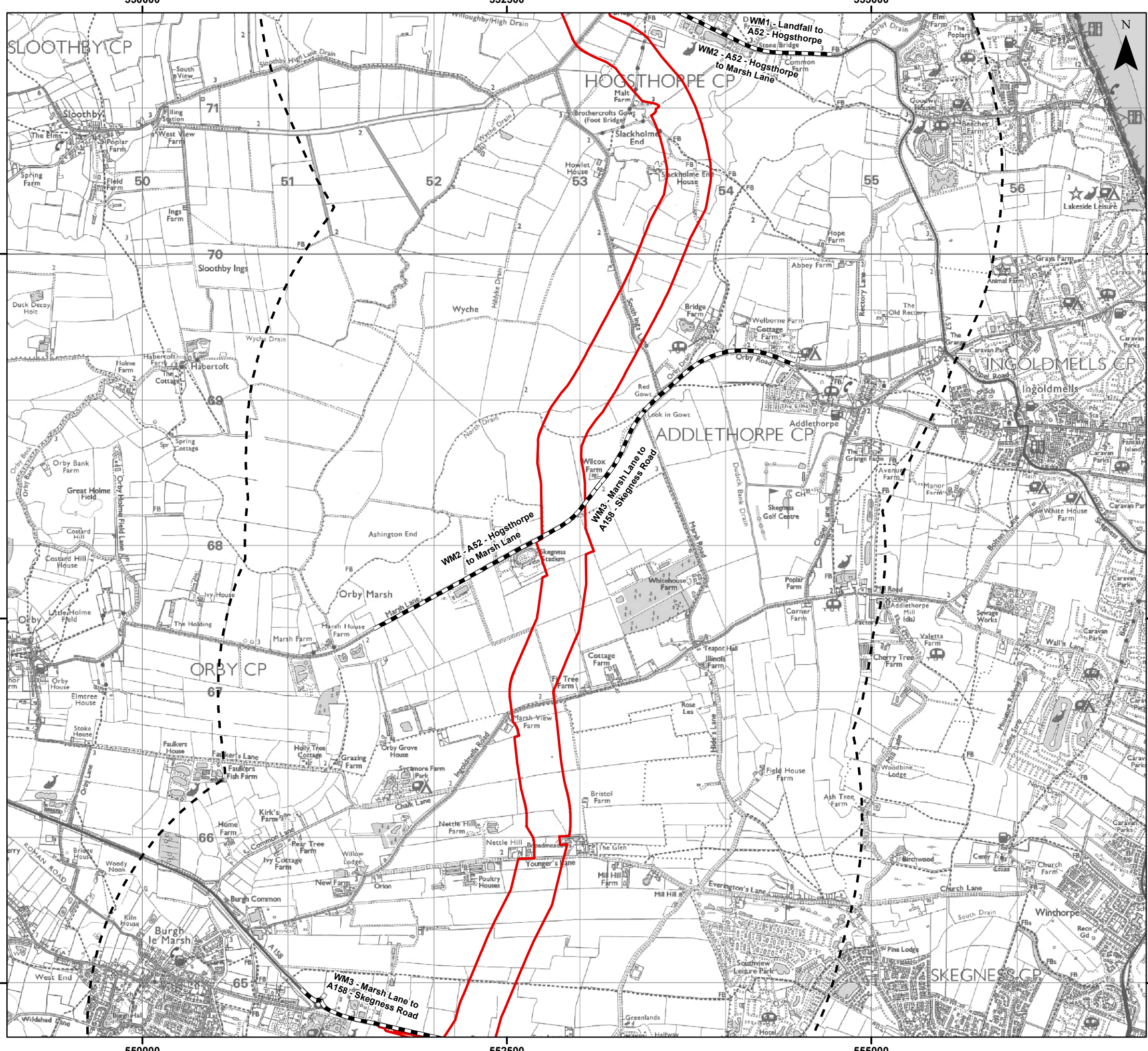
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### Legend

- Onshore PEIR
- Onshore Segment
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.2

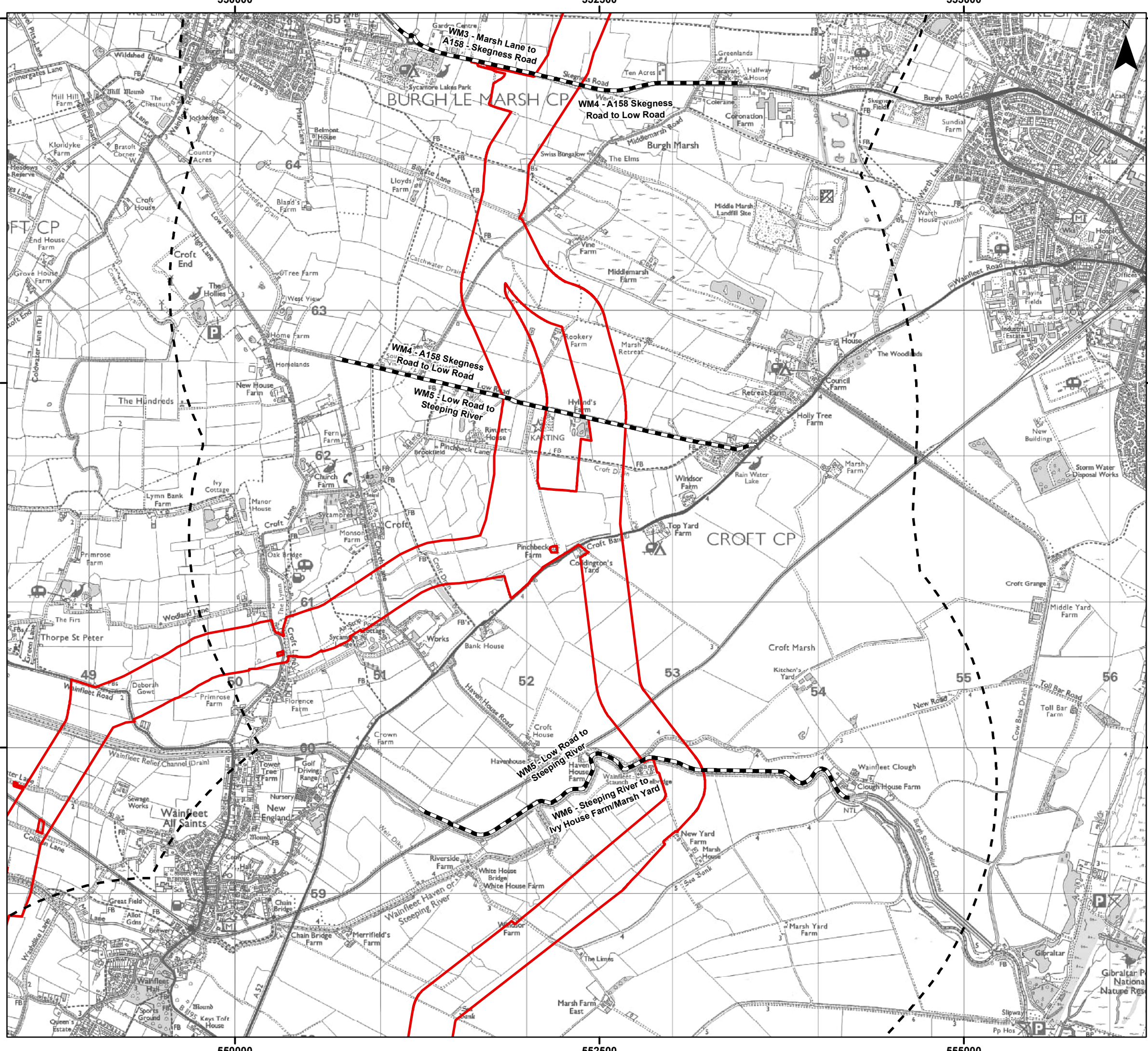


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.3

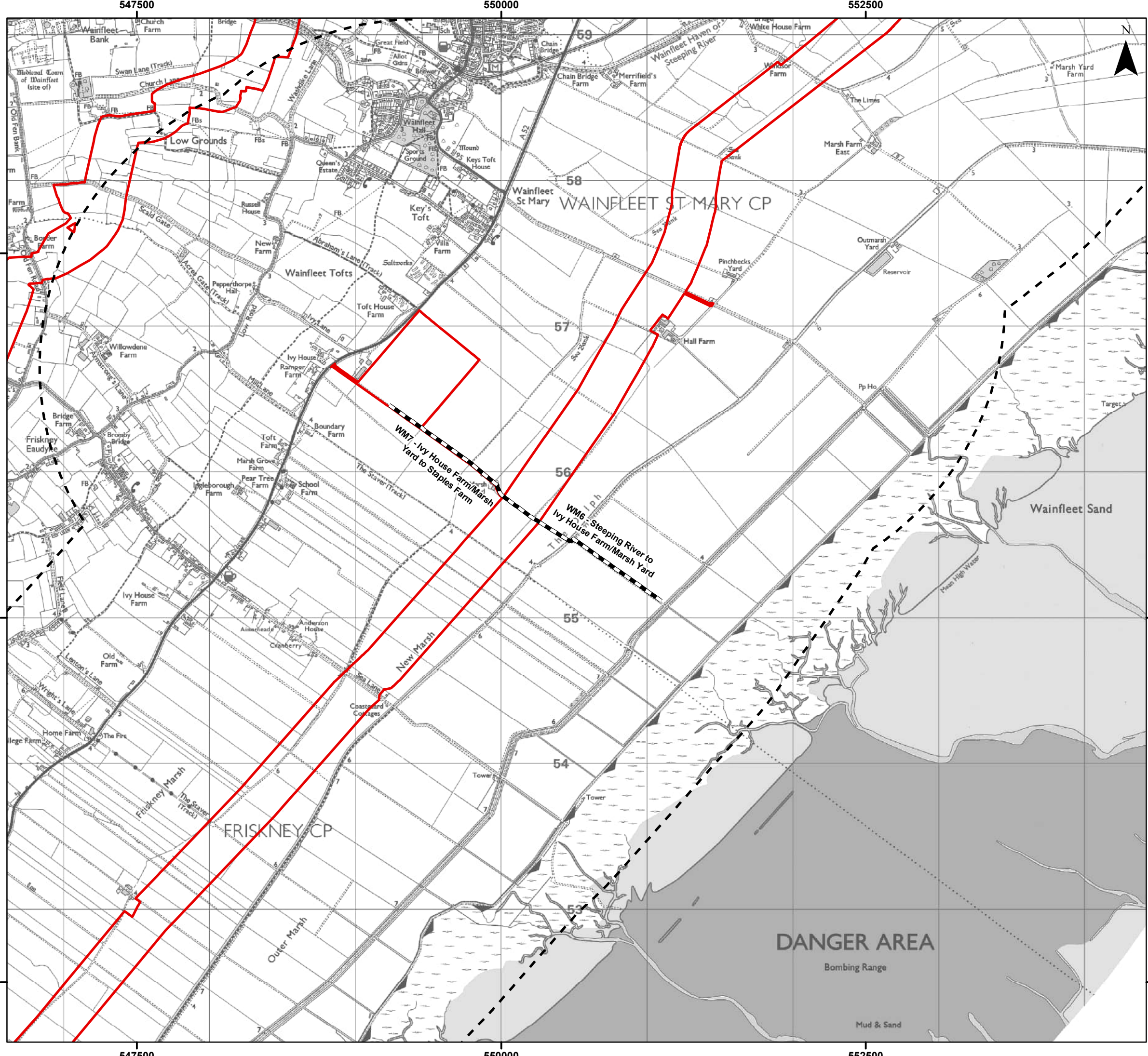


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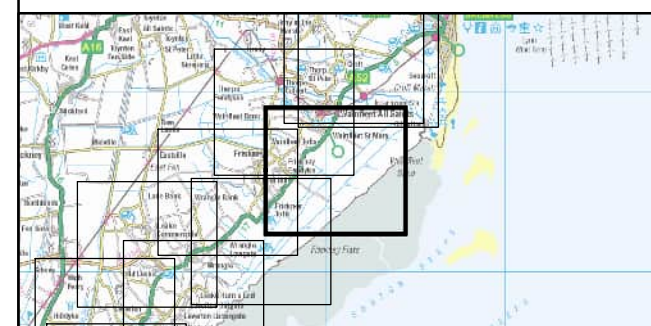
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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.4

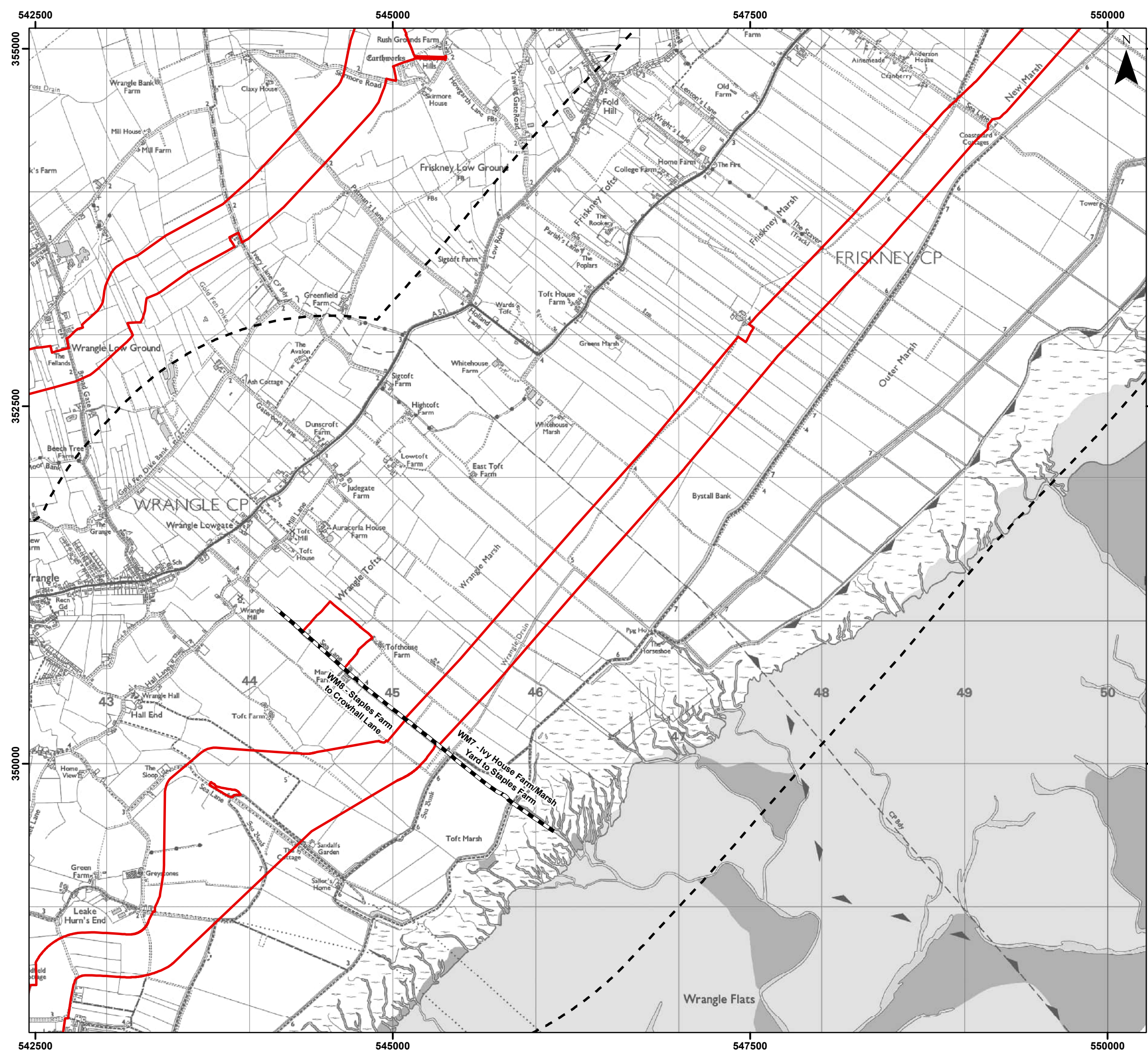


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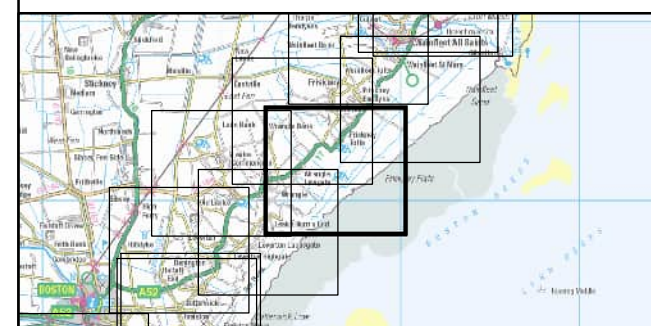
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### Legend

- Onshore PEIR Boundary
- - - Onshore Segment Break
- - - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.5

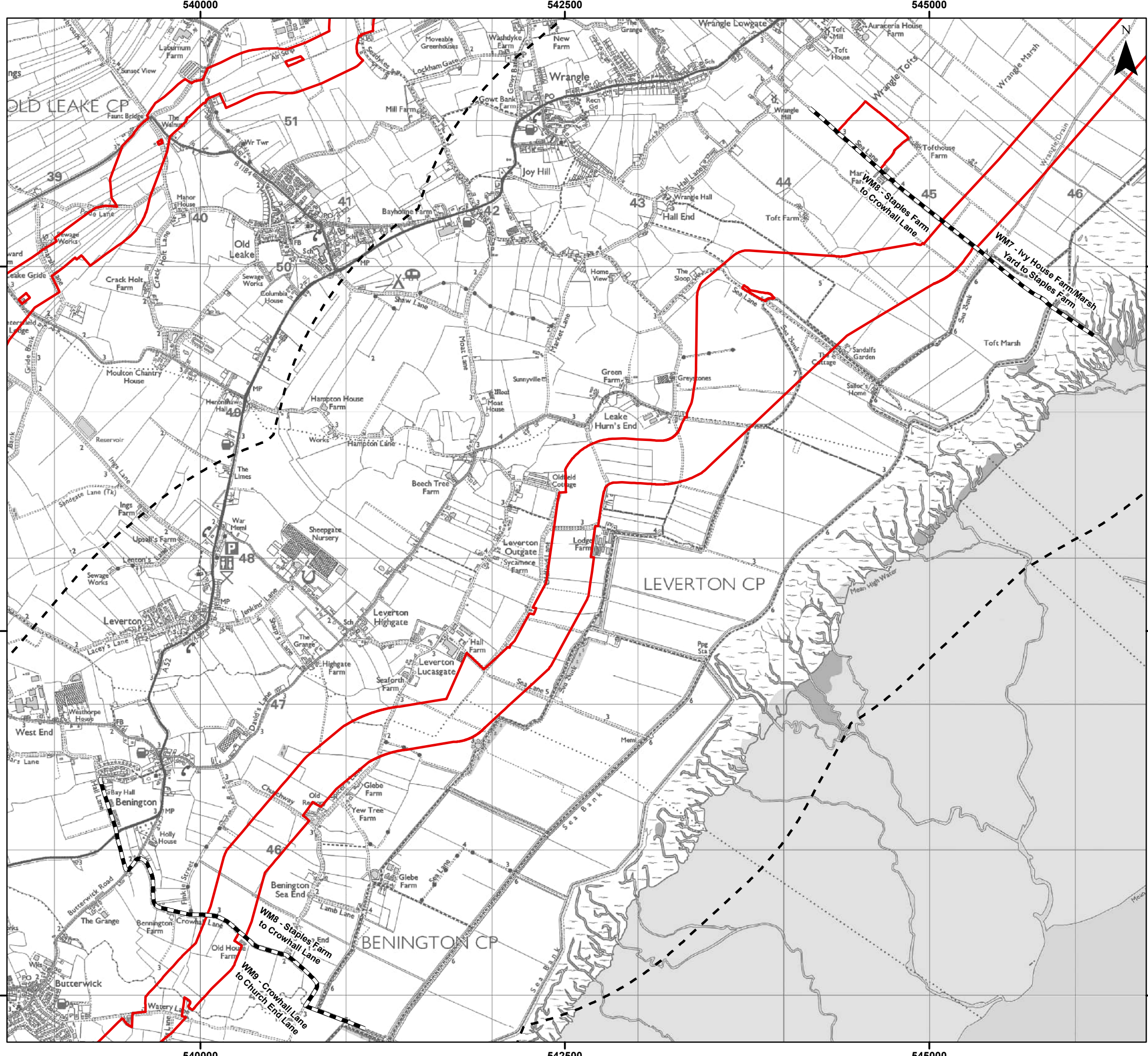


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- ### Legend
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.6



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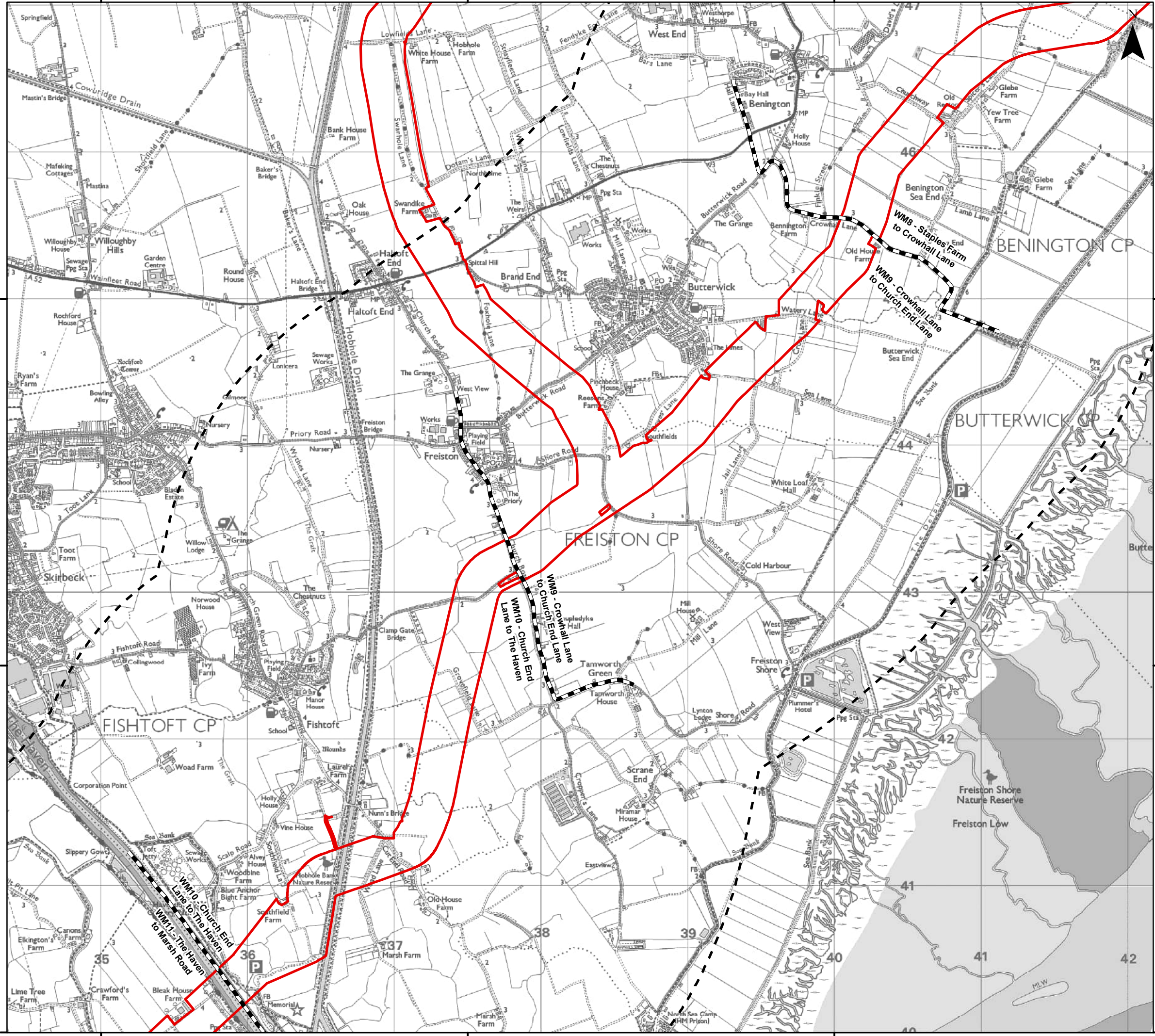
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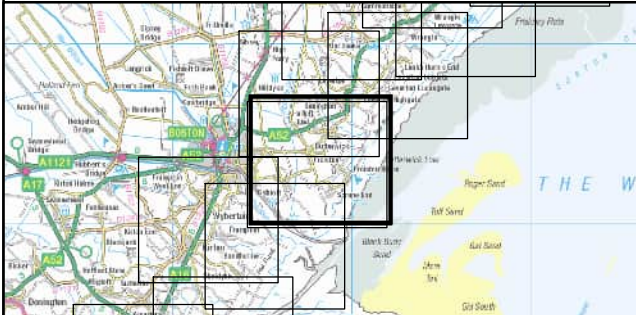
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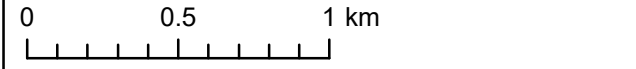
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.7

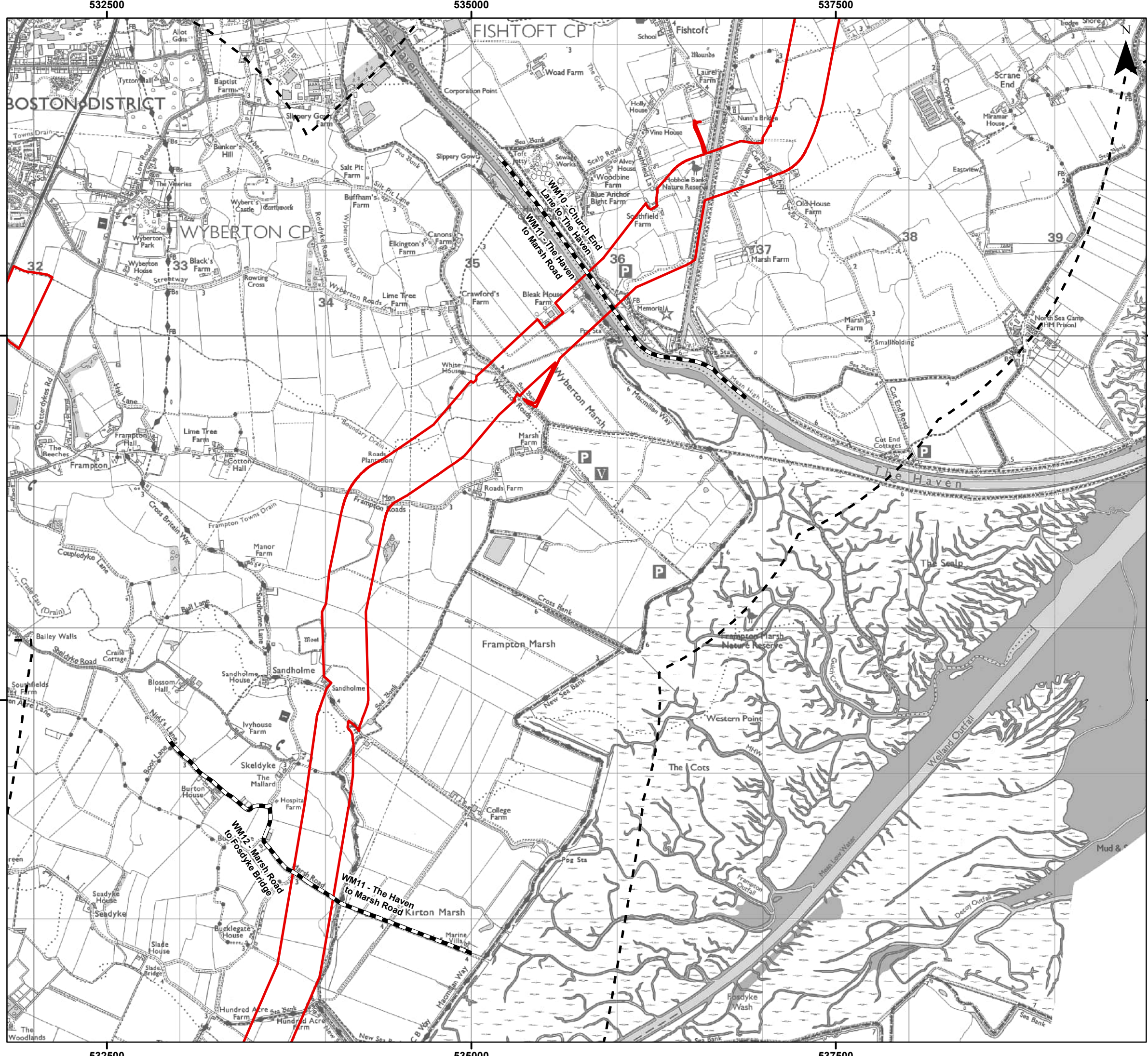


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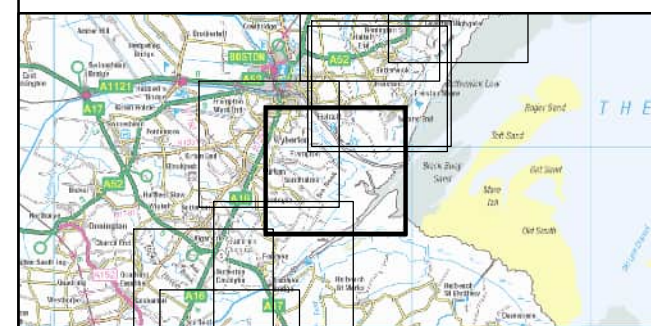
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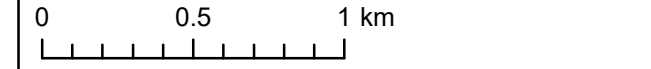
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

**Preliminary Environmental Information Report**

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.8



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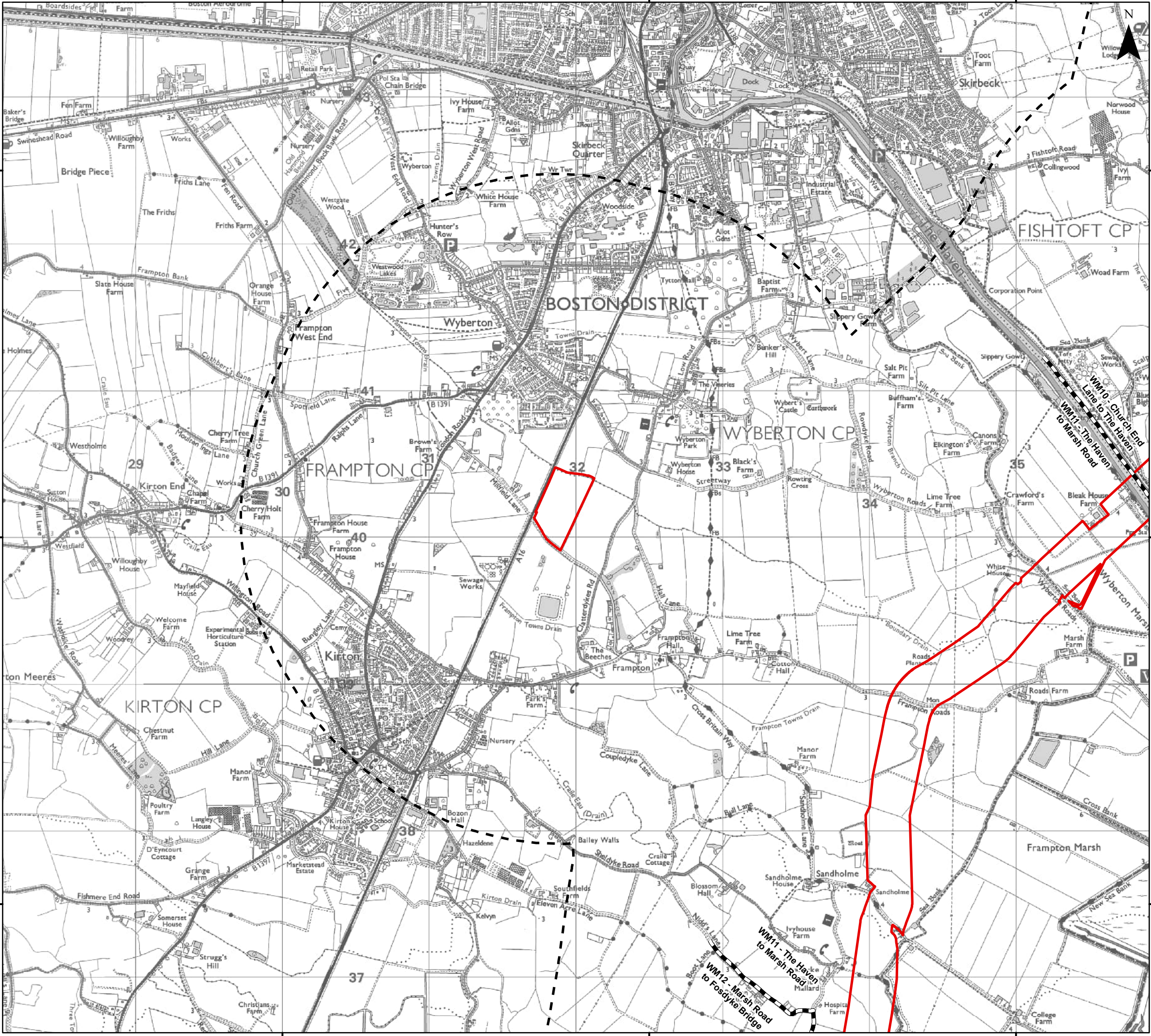
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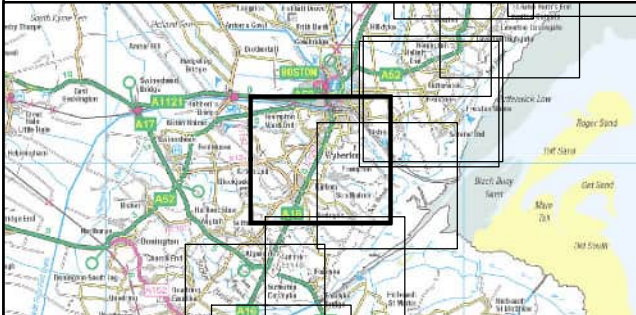
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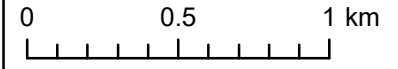
- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer



Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.9



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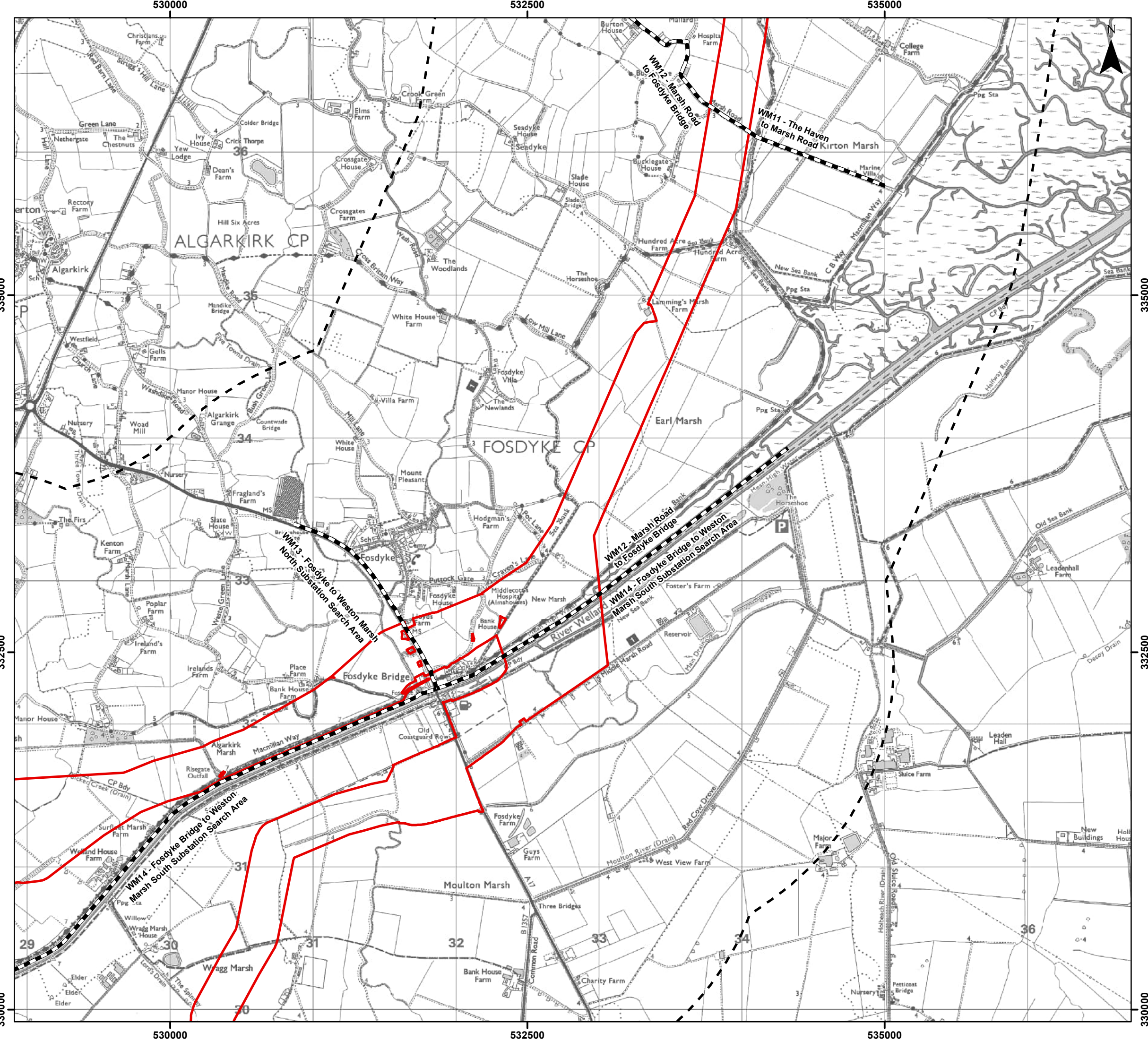
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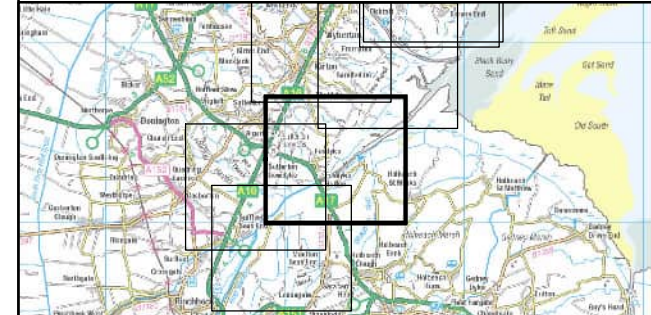




**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.10

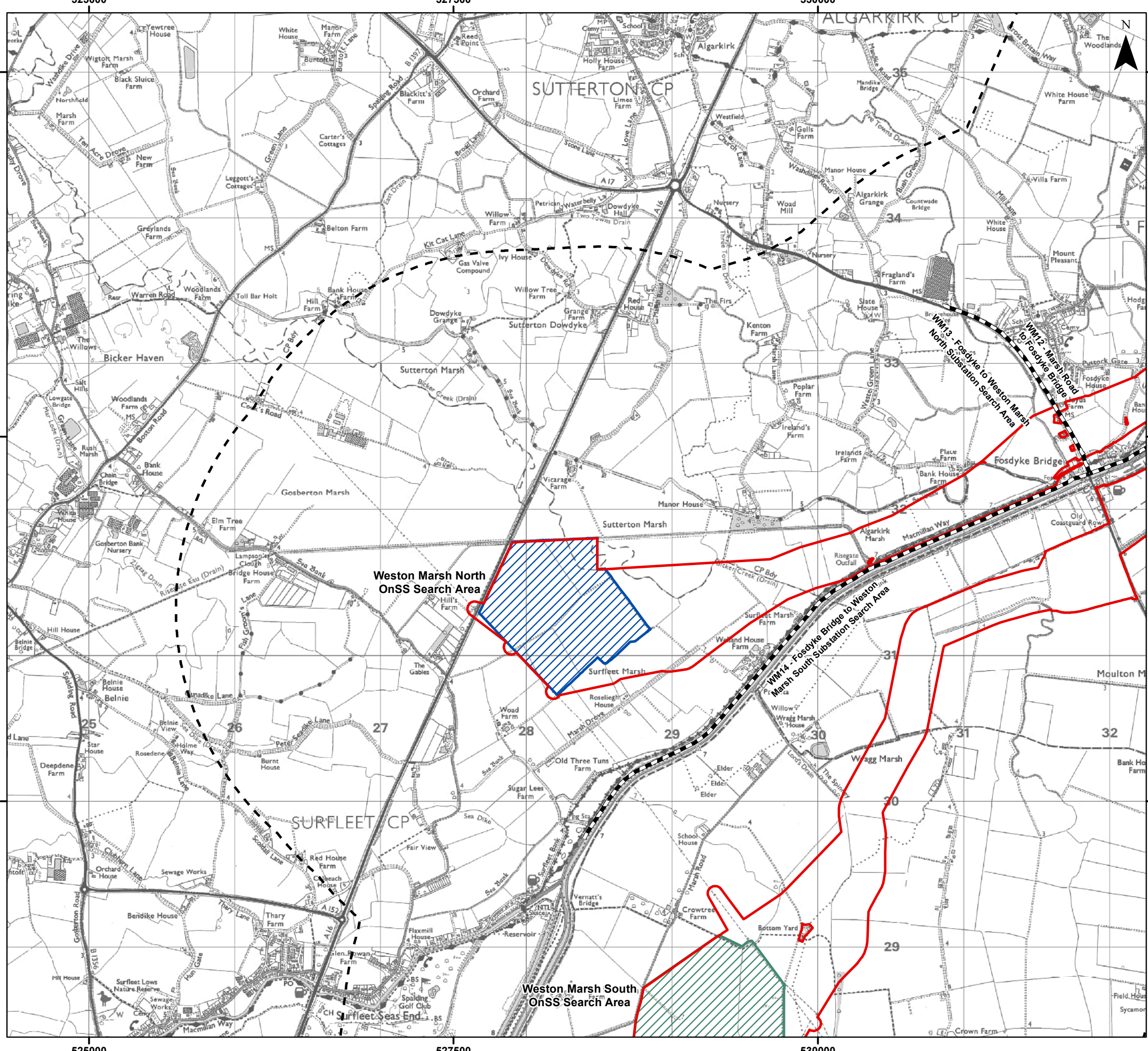


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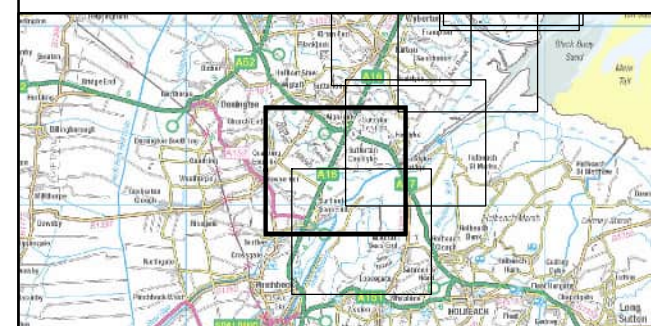
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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

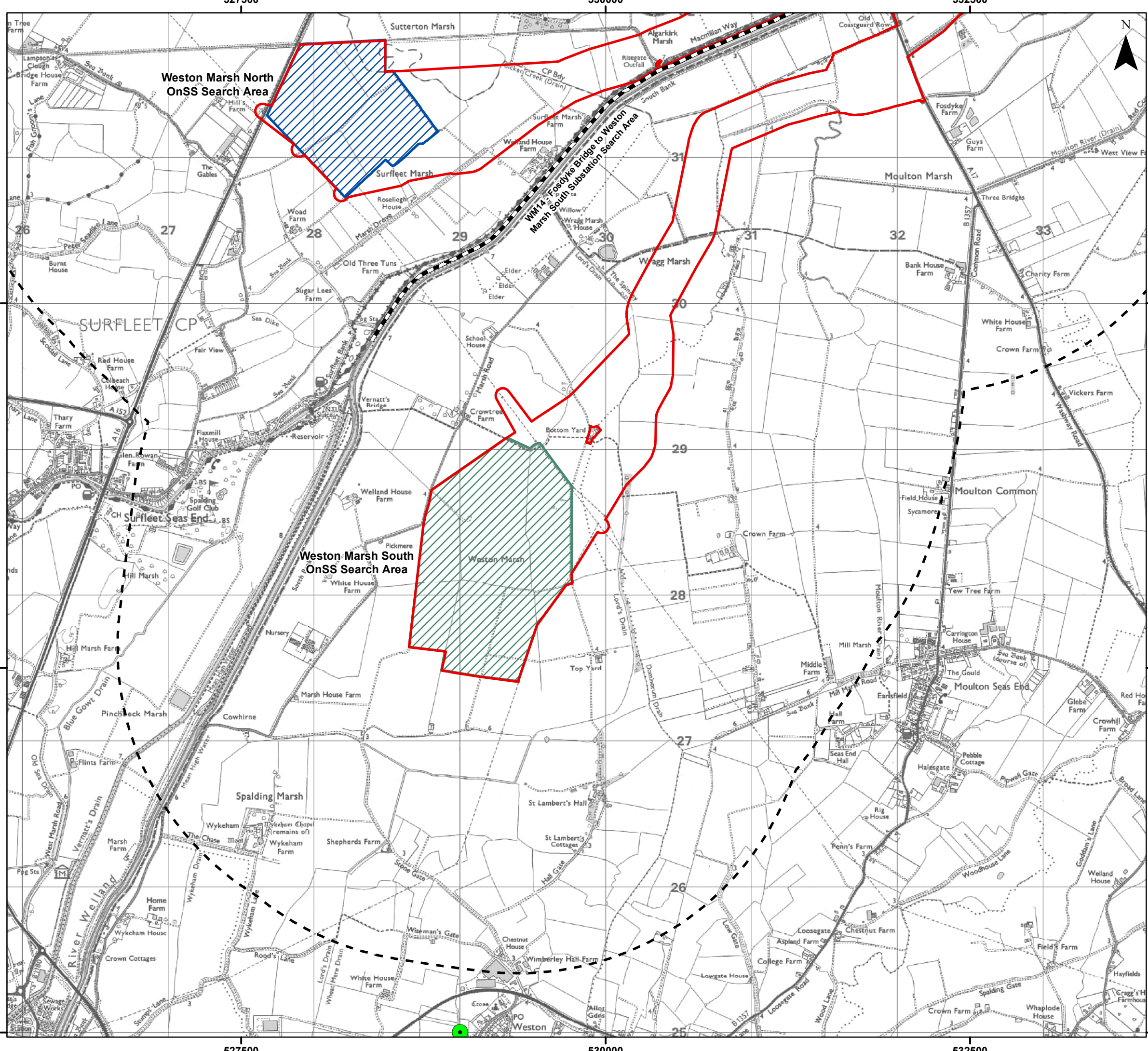
Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.11



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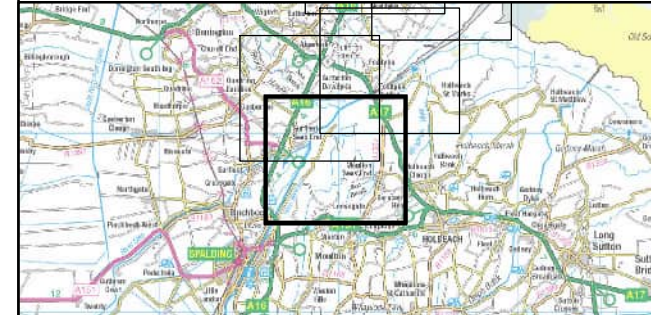
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Terrestrial Mammals (Other)**

- Eurasian Red Squirrel

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.12

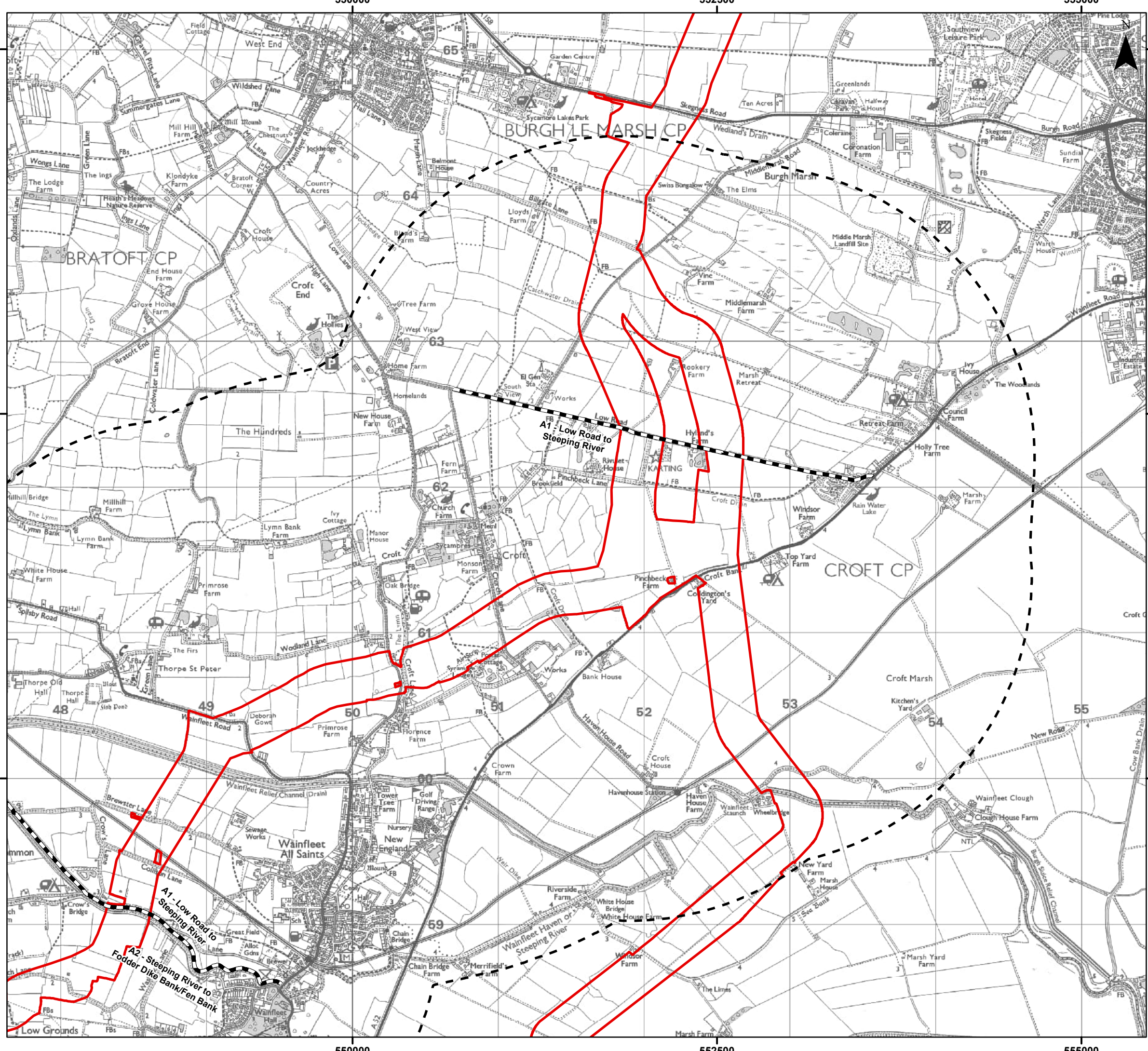


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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.13



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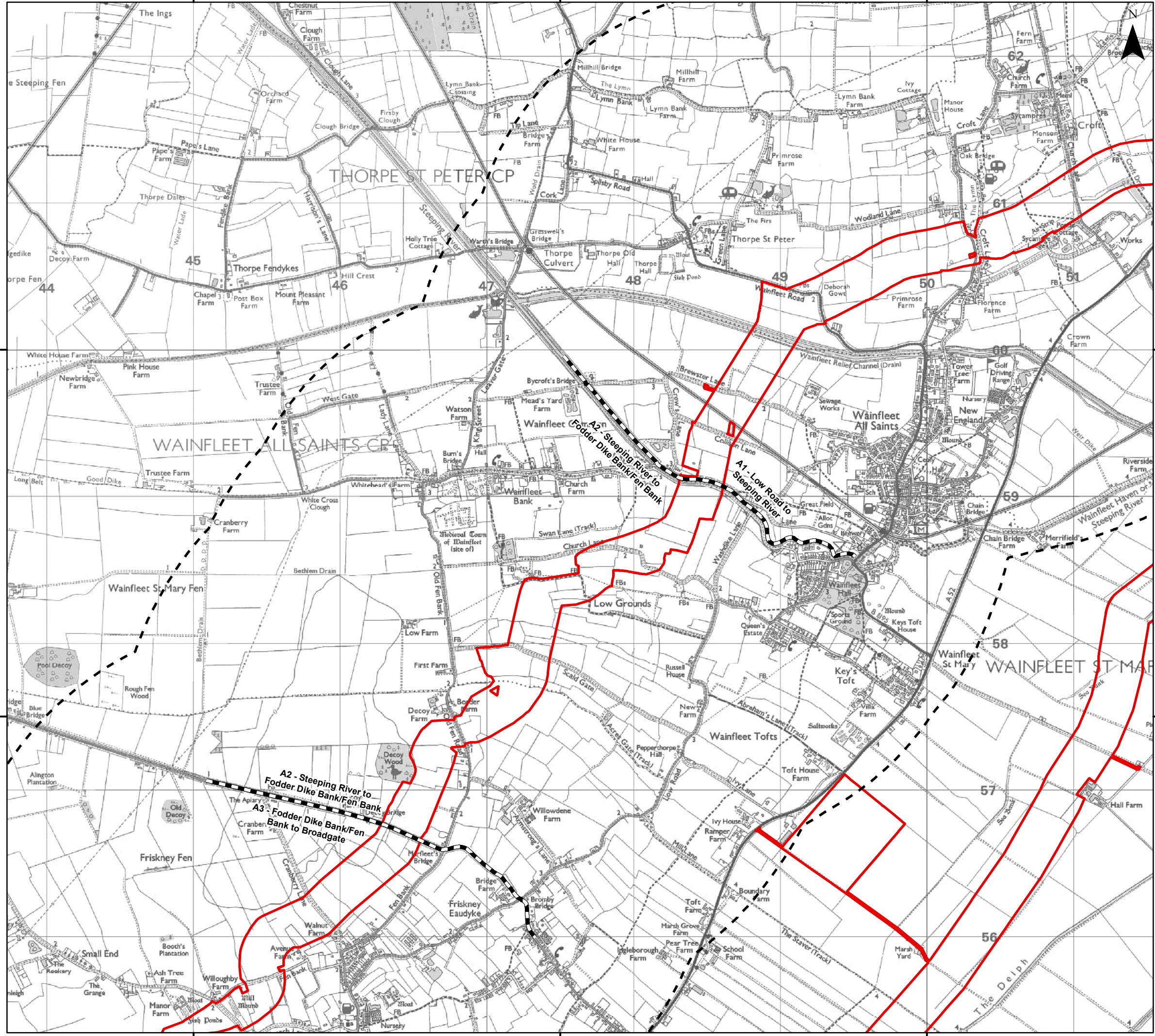
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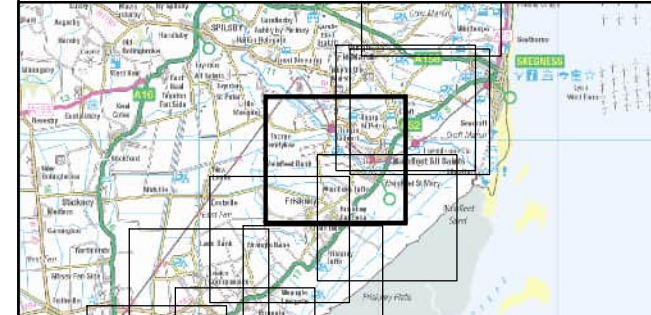
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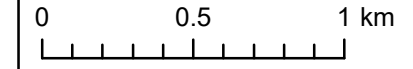
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.14



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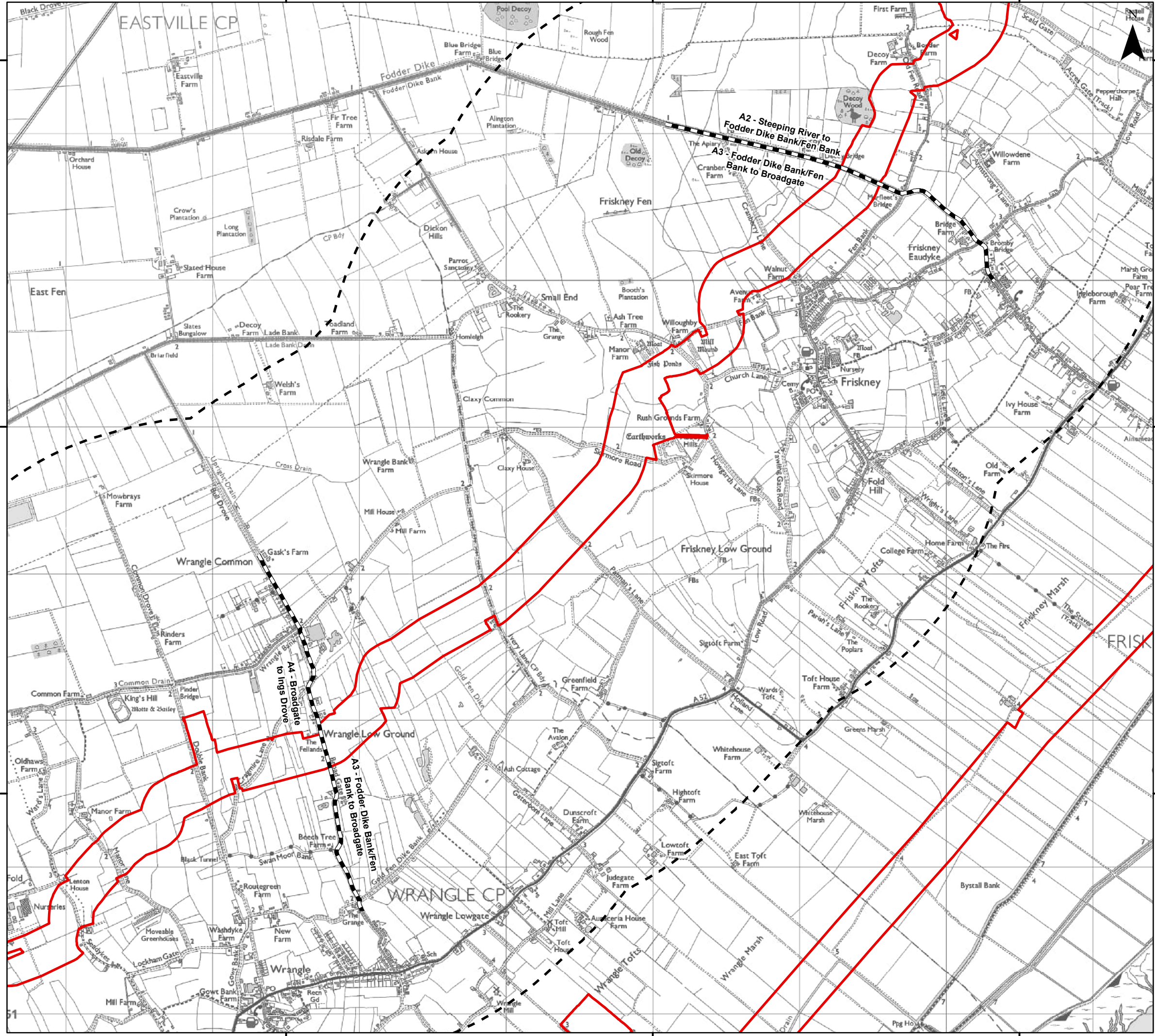
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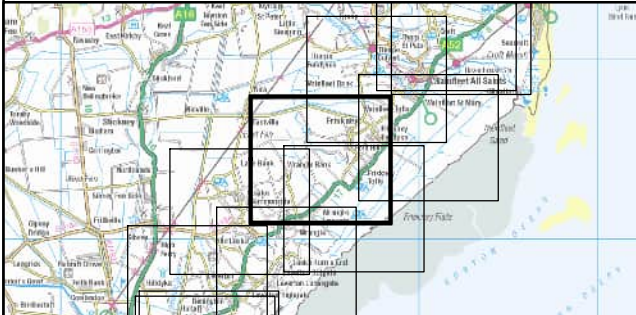
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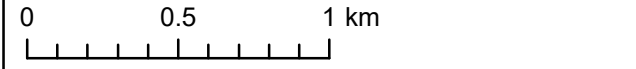
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.15



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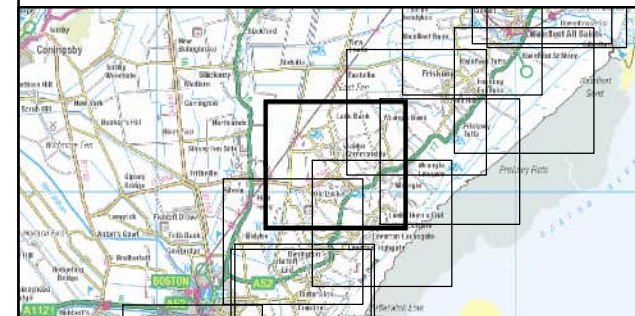
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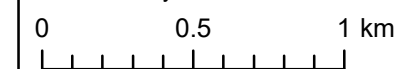
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

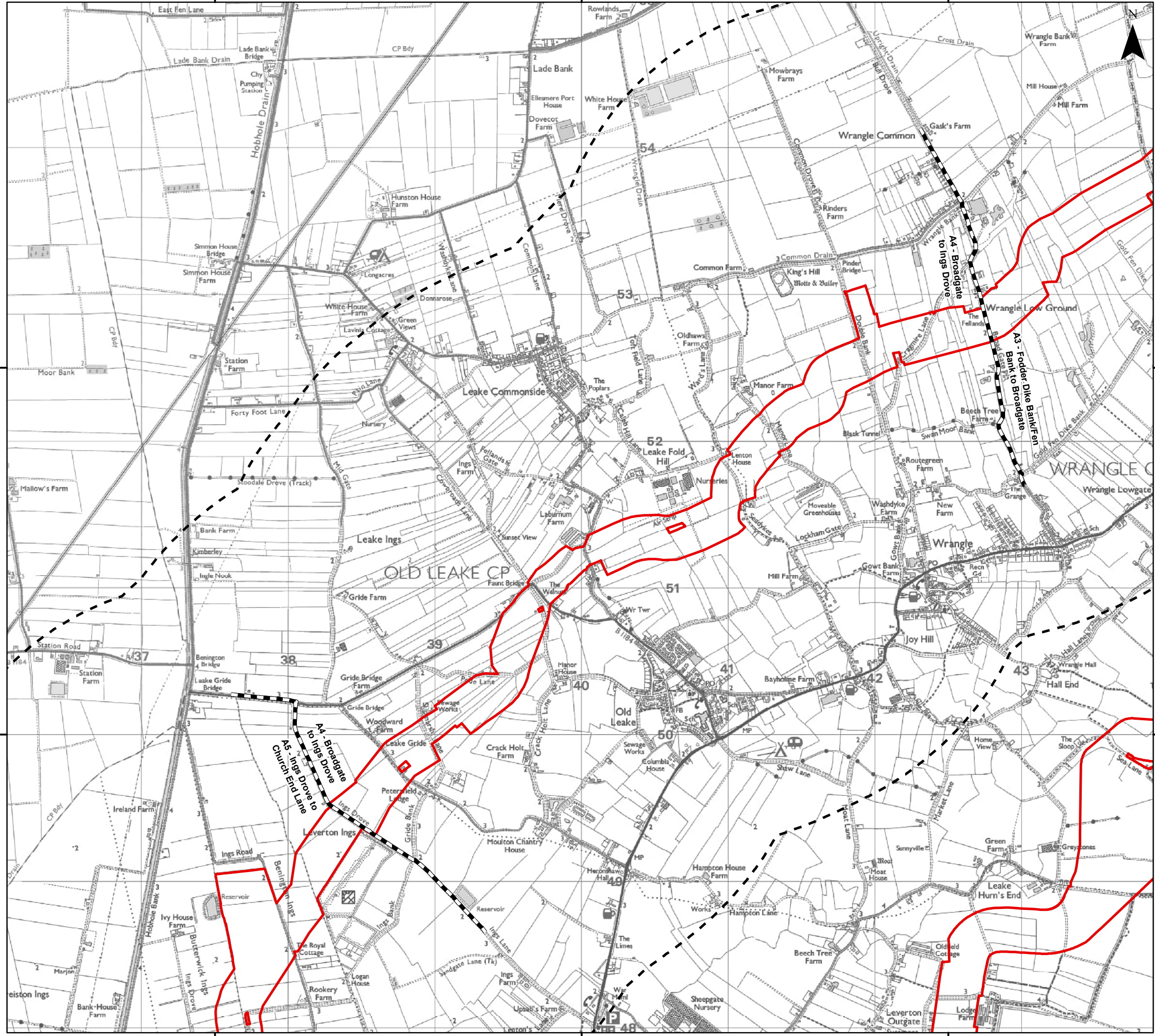
Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.16



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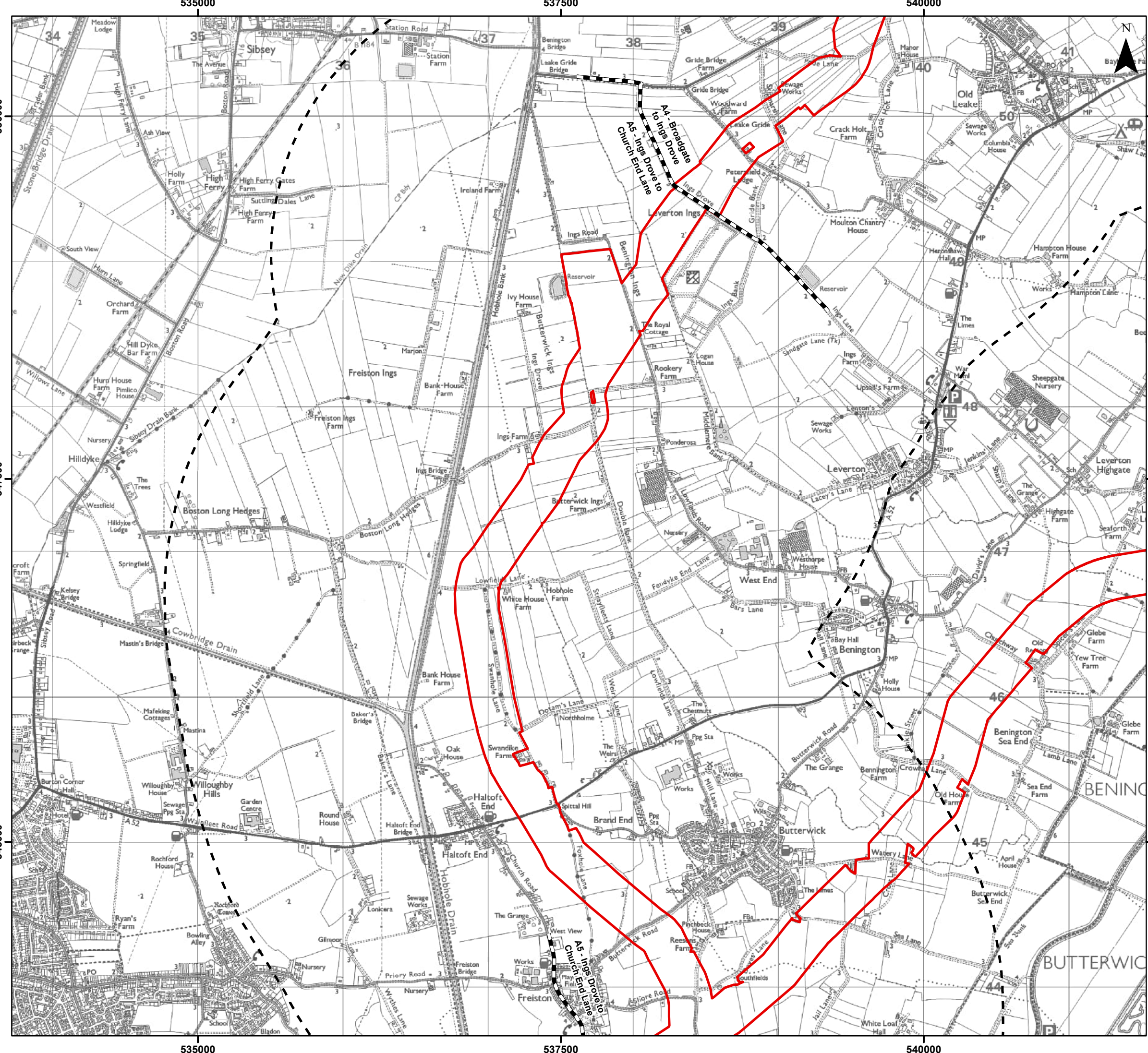


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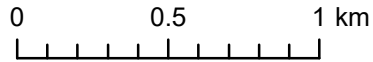
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid



Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Terrestrial Mammals - Other  
Figure 21.28.17

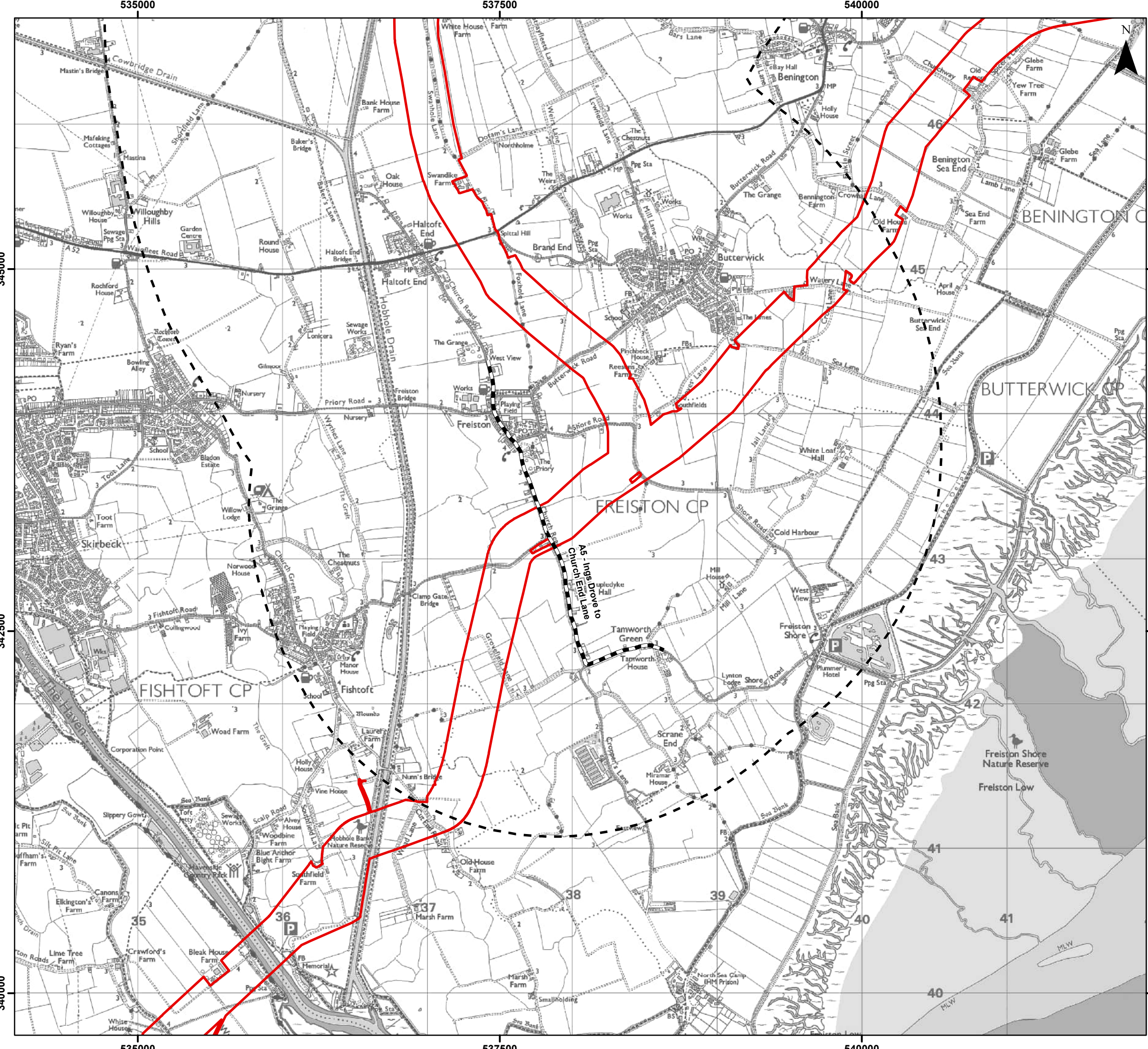


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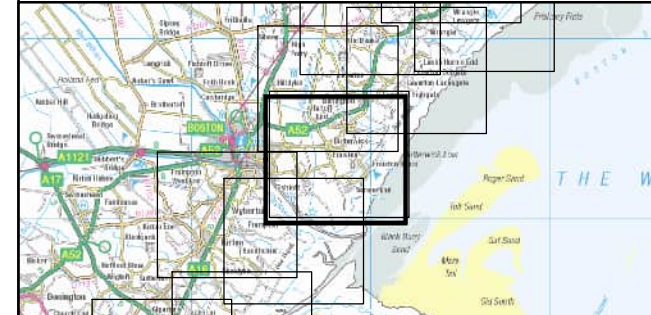
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (October 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Terrestrial Mammals - Other  
 Figure 21.28.18



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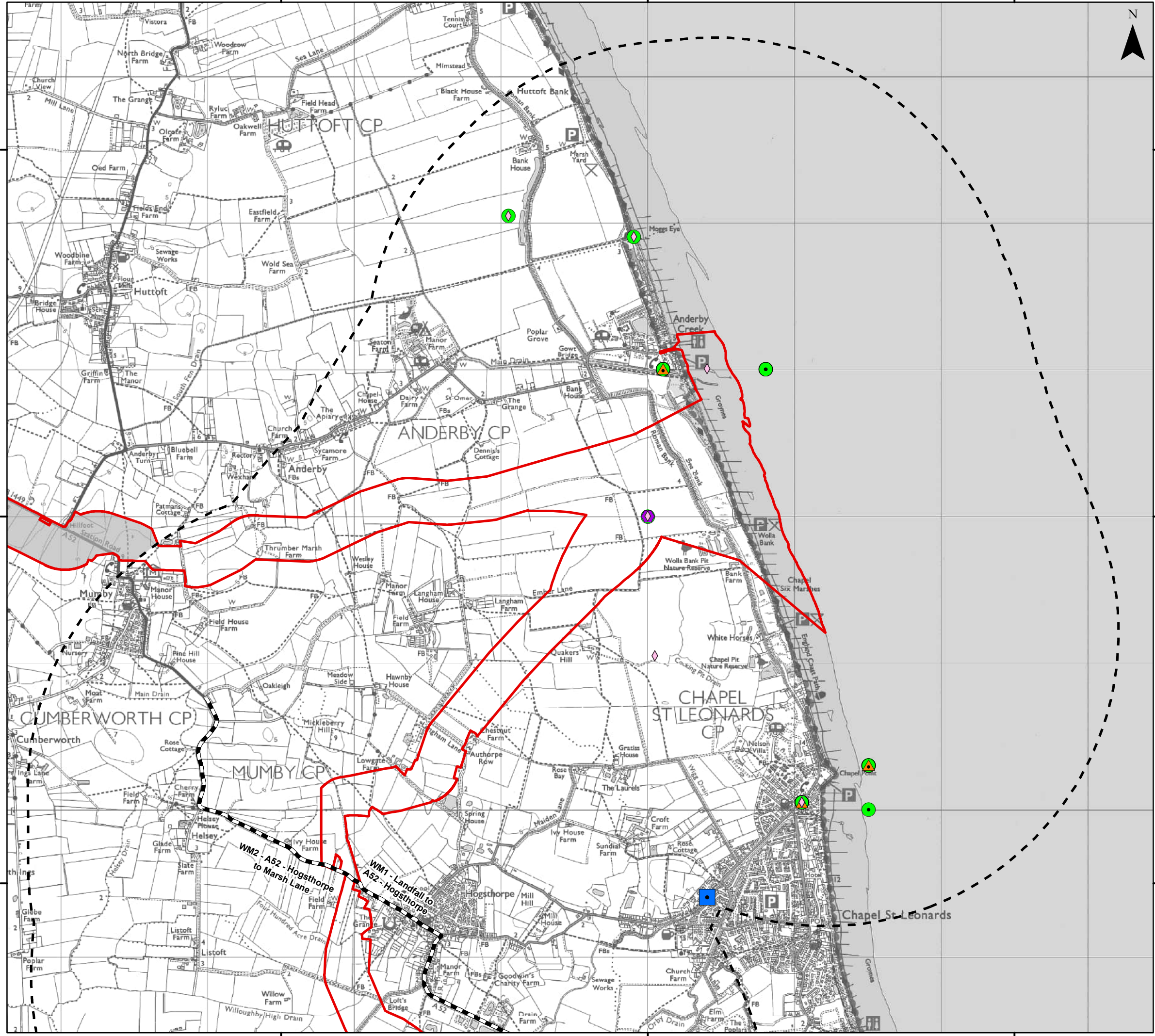
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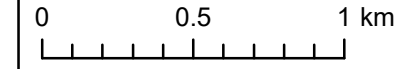
### Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine**
-  Common Porpoise
-  Fin Whale
-  Harbour Seal
-  Grey Seal
-  Hooded Seal

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Marine Mammals  
Figure 21.29.1



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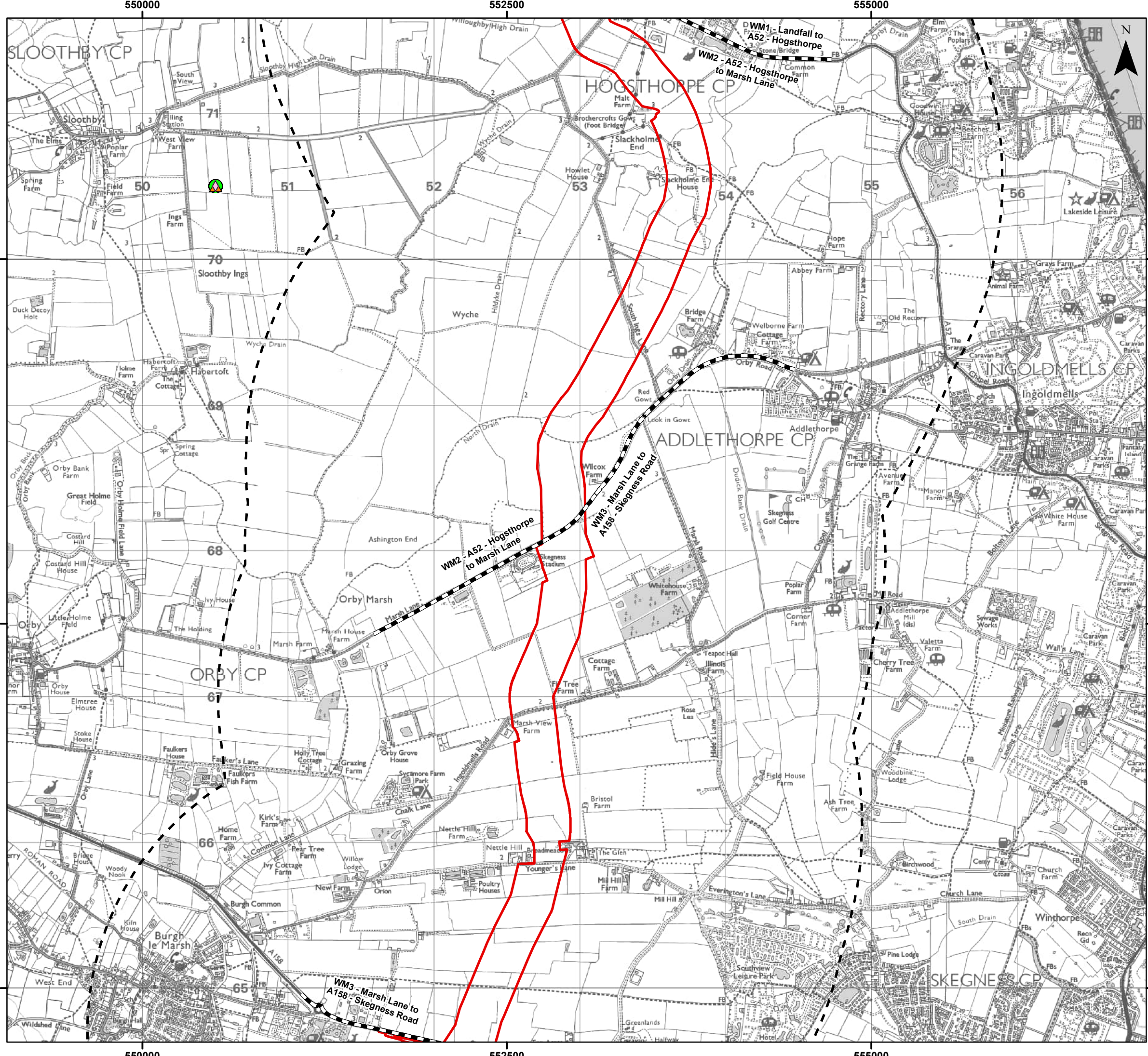
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Marine**

- ◆ Common Porpoise
- ▲ Harbour Seal
- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)

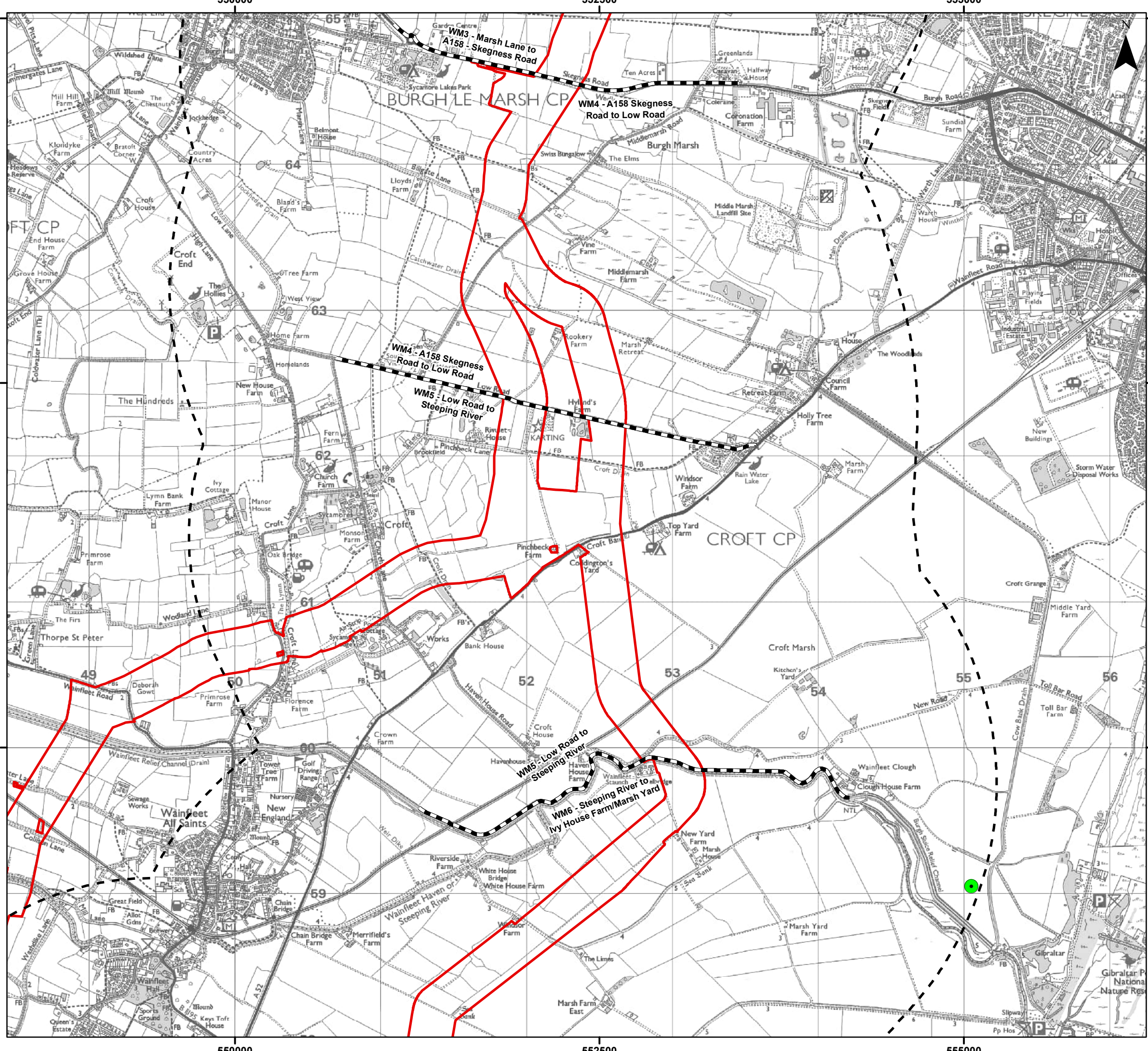


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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.2



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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Marine Mammals**

- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Scale: 1:25,000

Preliminary Environmental Information Report  
Weston Marsh  
Protected and Notable Species Records  
Marine Mammals  
Figure 21.29.3

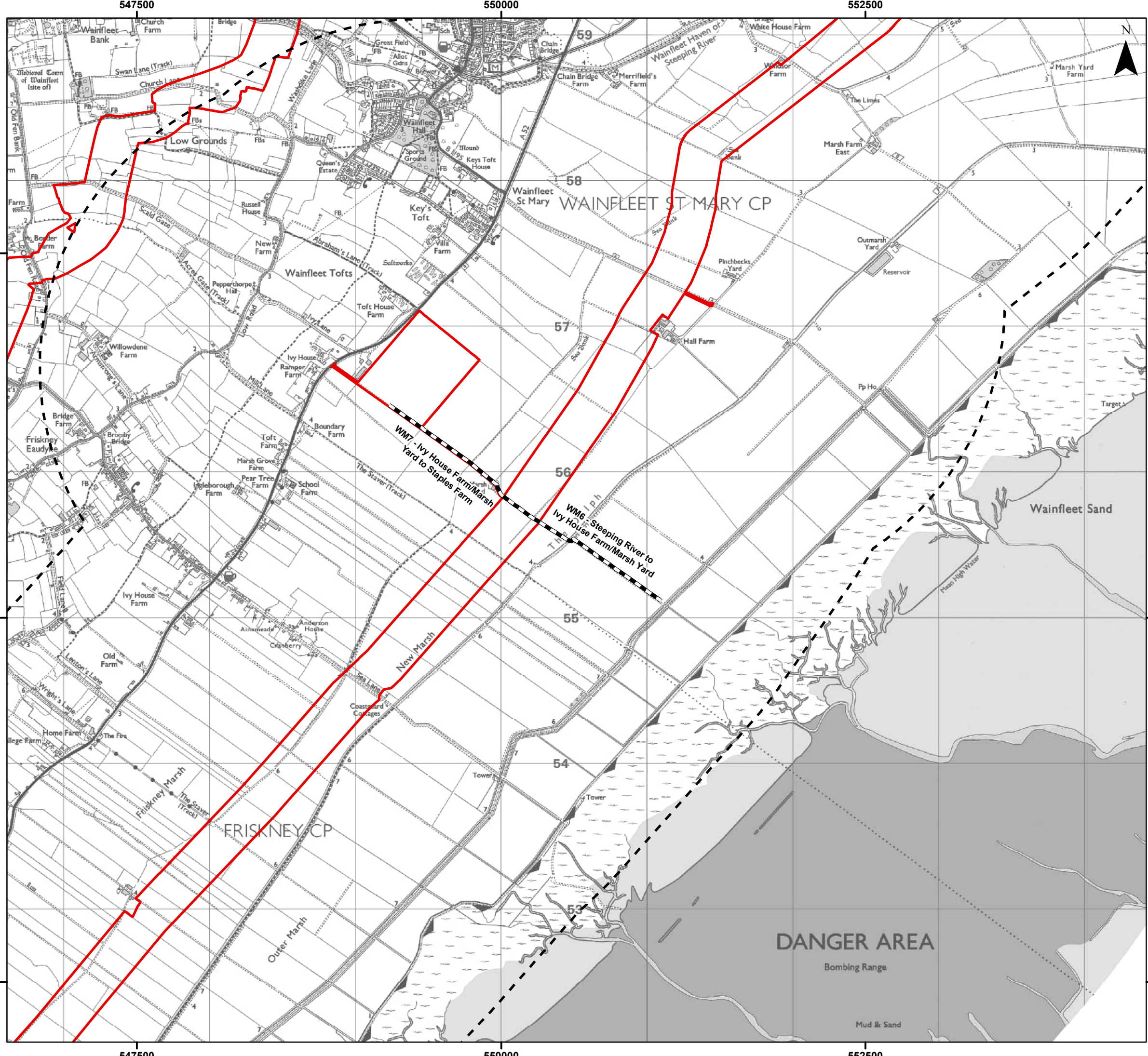


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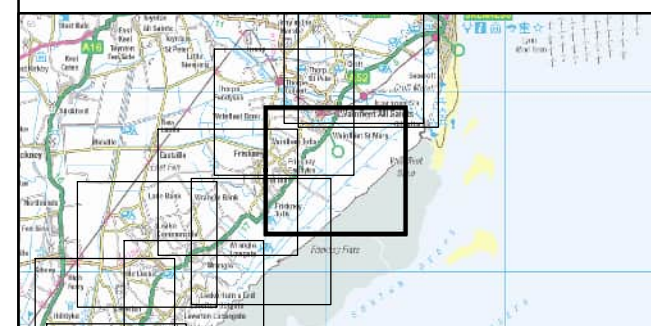
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- Legend**
- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.4

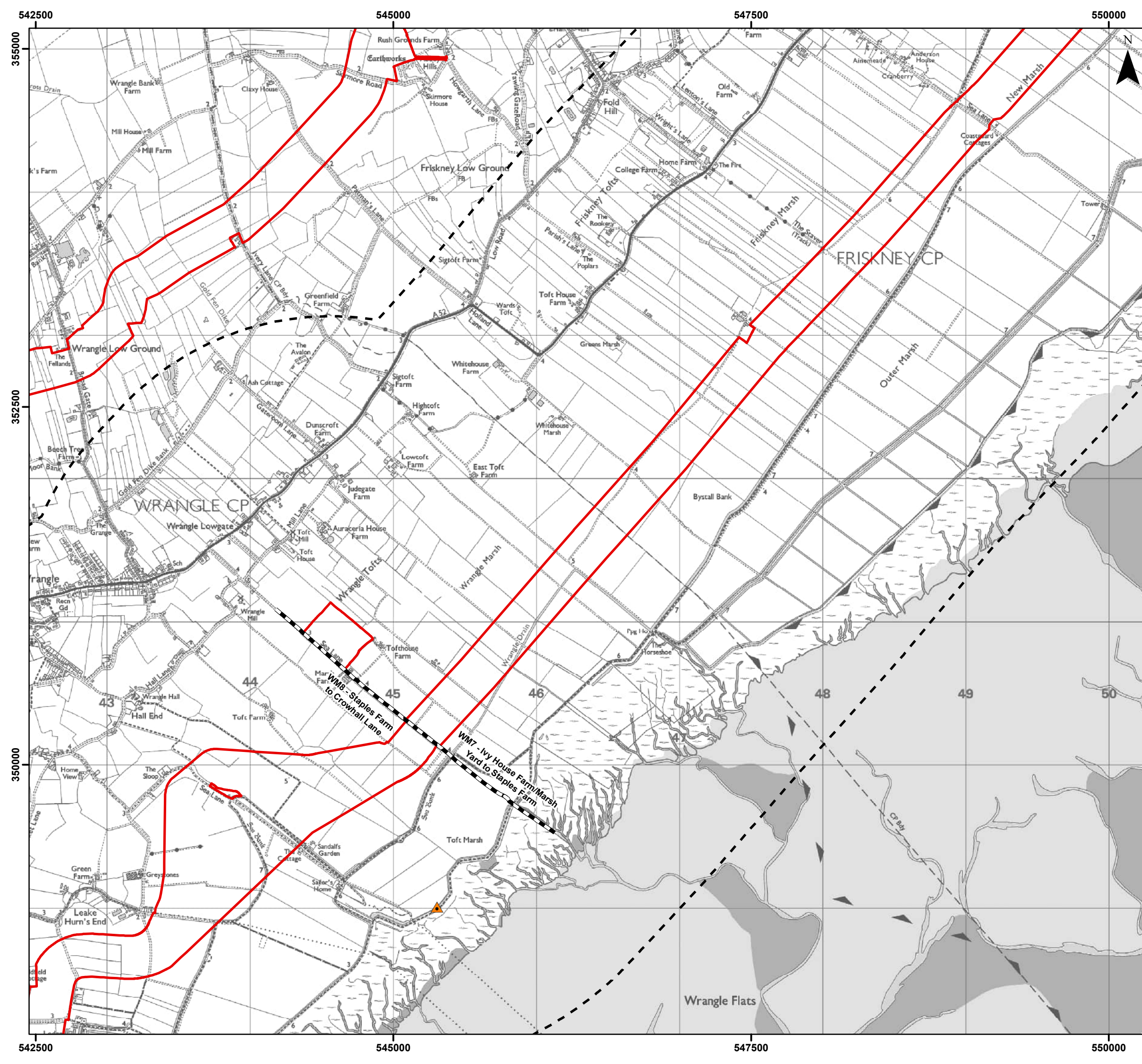


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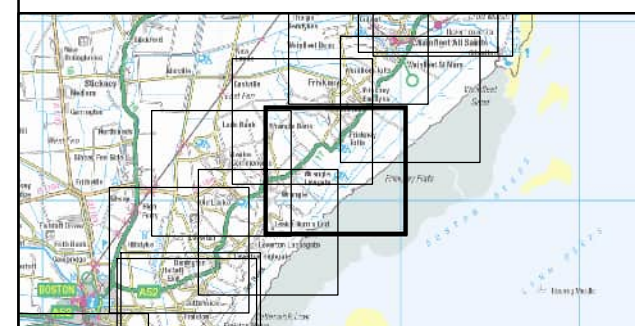
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- ▲ Harbour Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.5

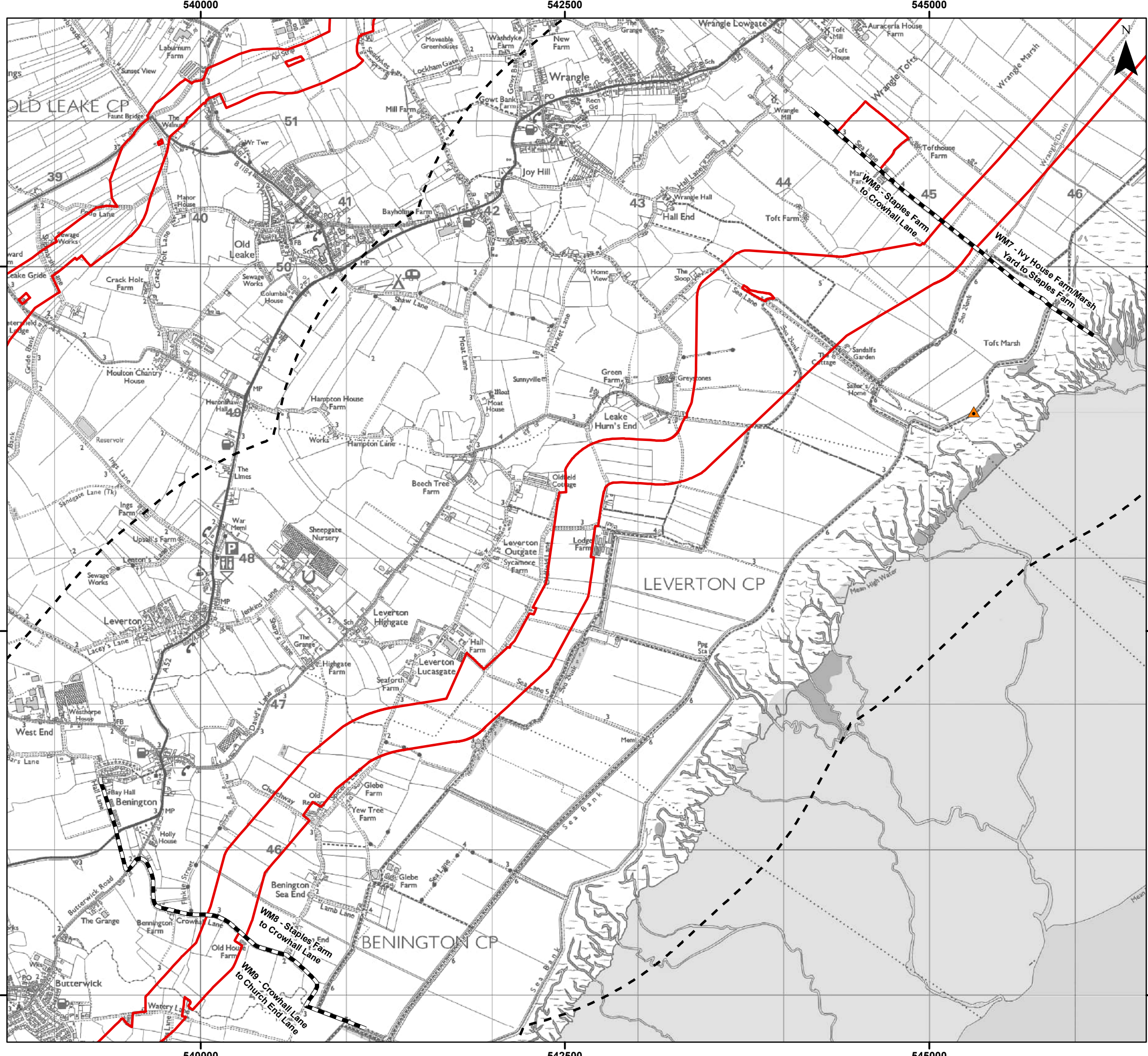


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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- ▲ Harbour Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.6

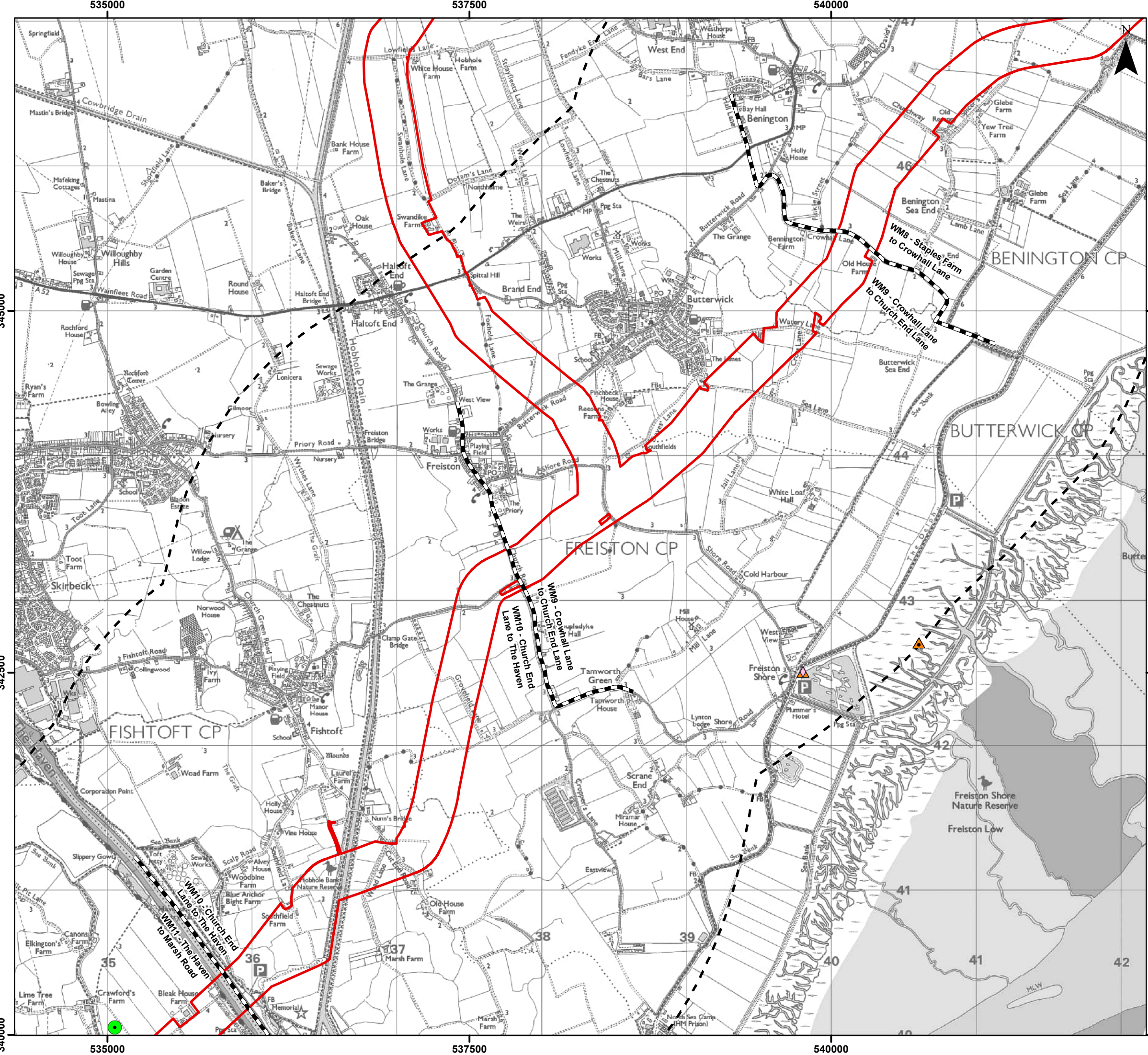


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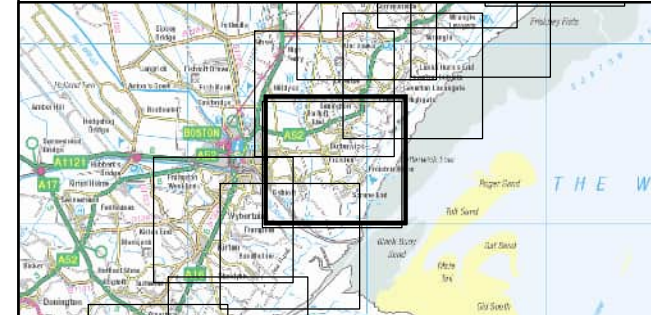
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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- ◆ Common Porpoise
- ▲ Harbour Seal
- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.7



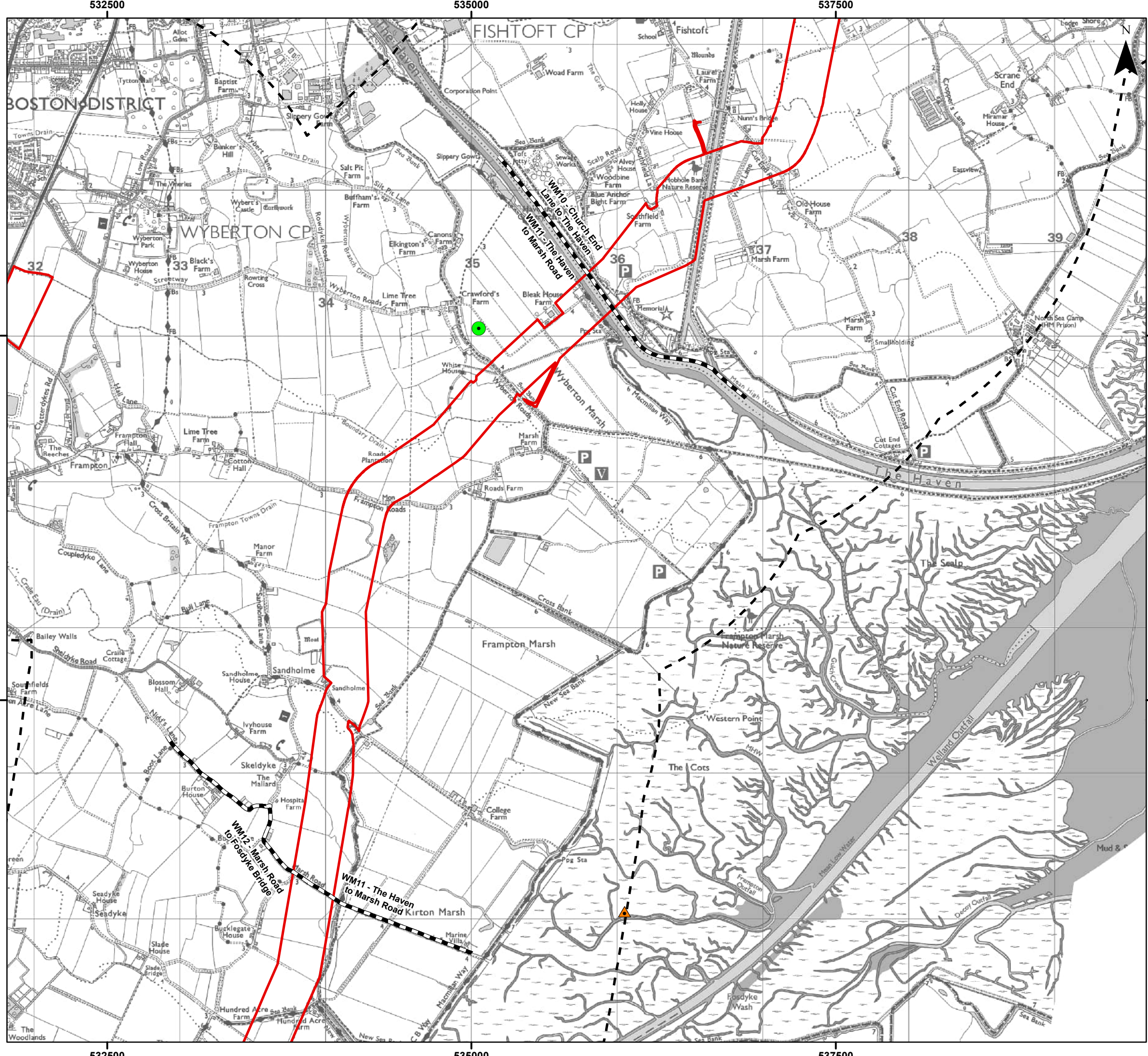
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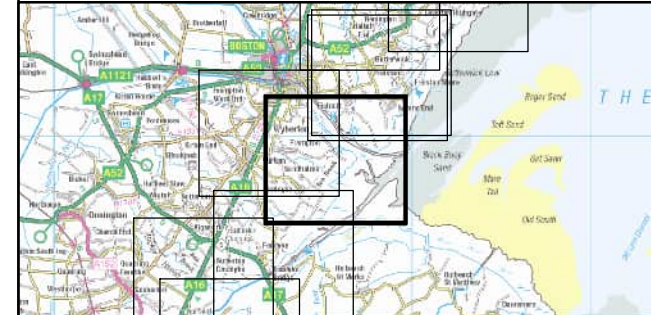




**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- ▲ Harbour Seal
- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
 0 0.5 1 km  
 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.8



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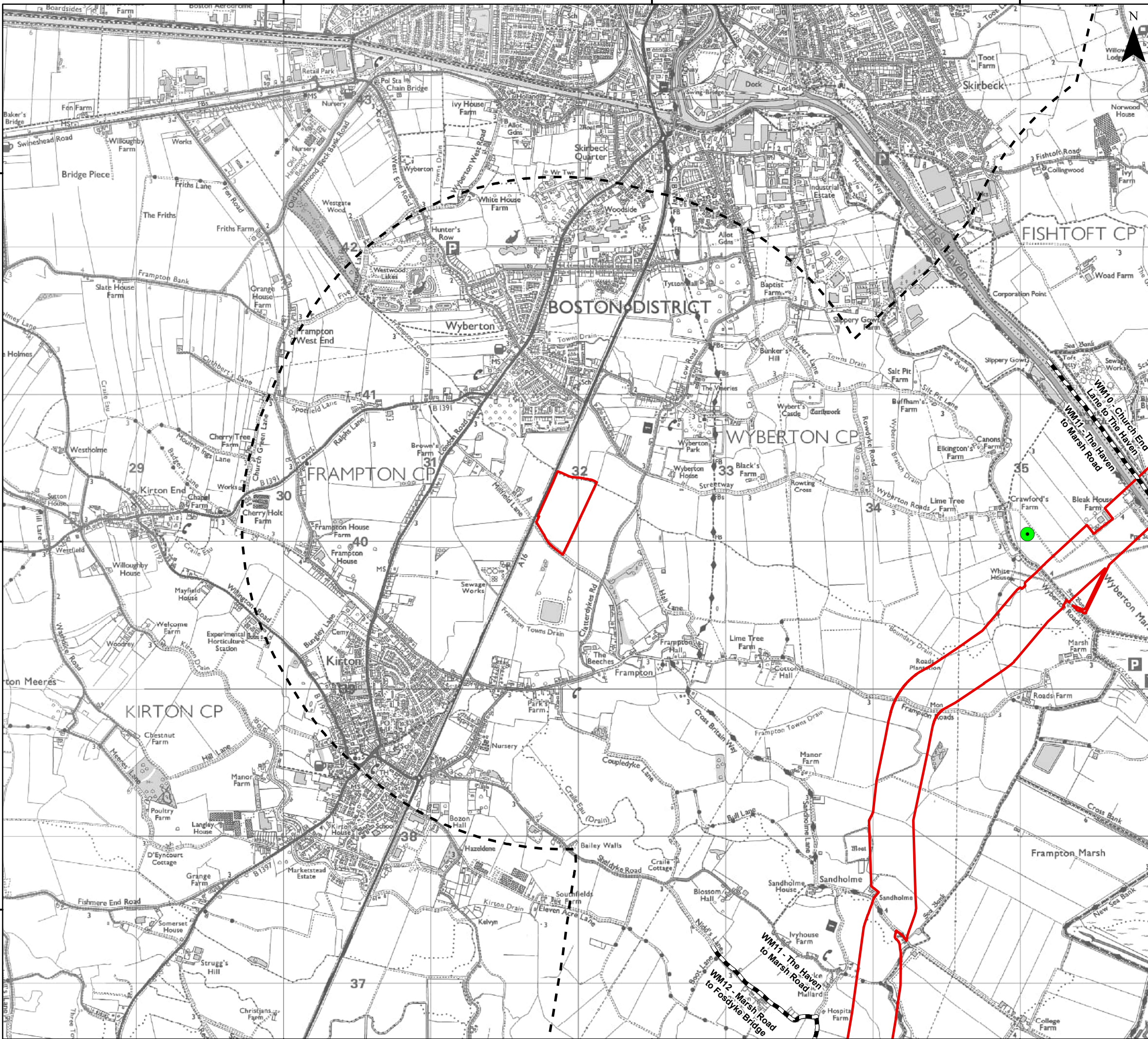
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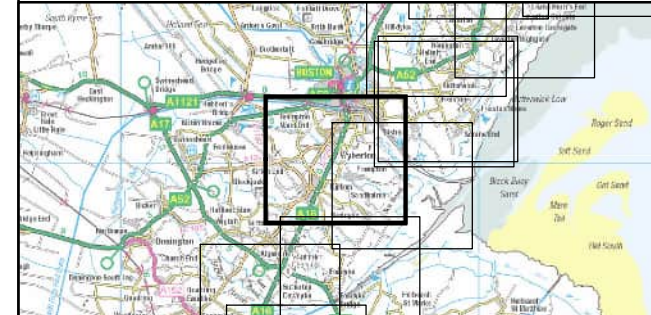
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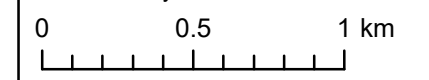
- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- Grey Seal



Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Marine Mammals  
Figure 21.29.9



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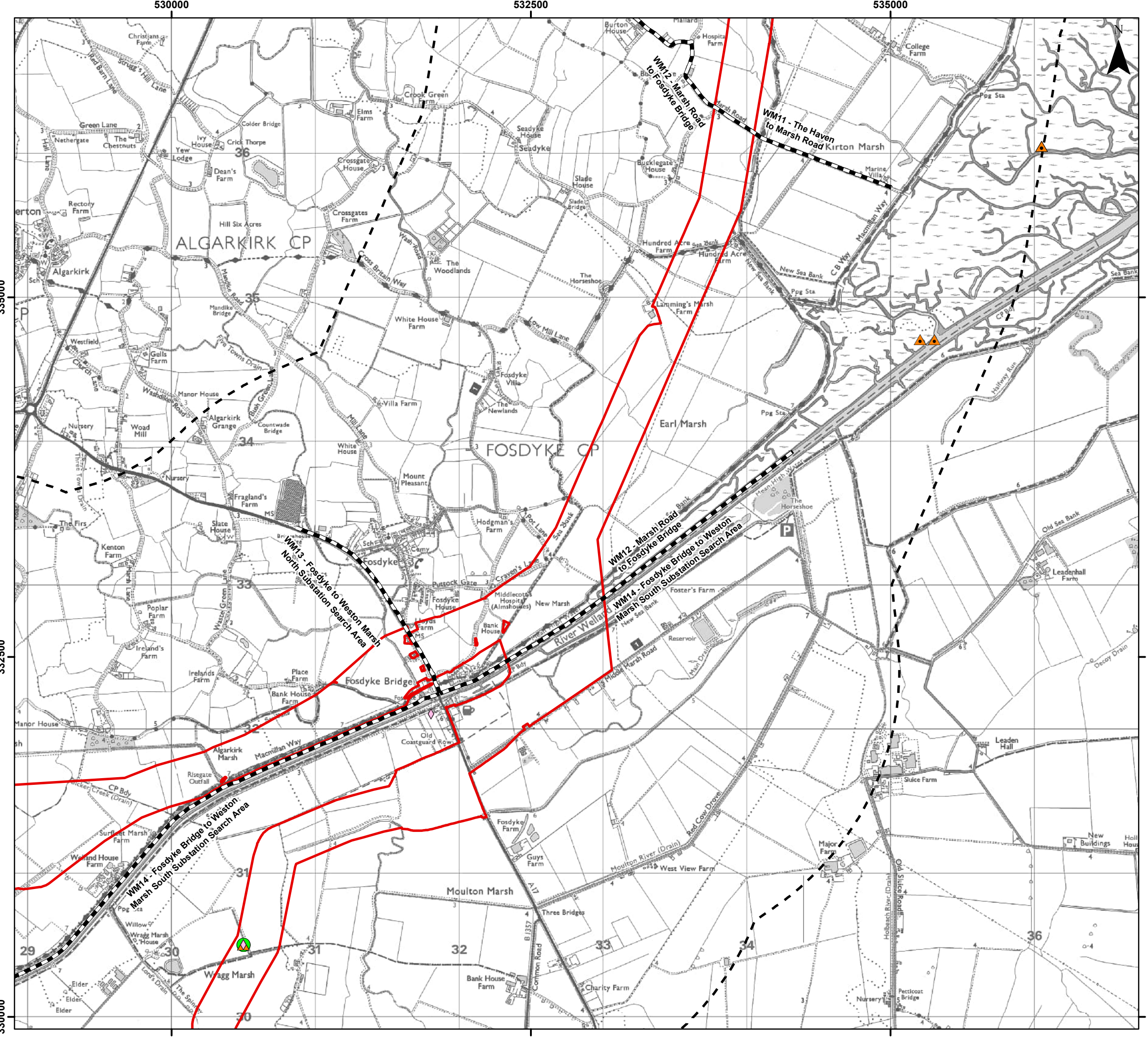
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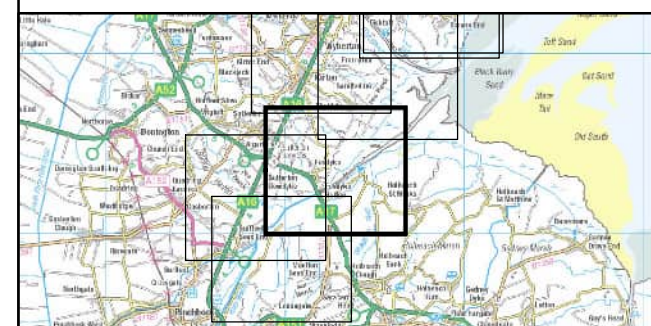
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Marine Mammals**

- ◆ Common Porpoise
- ▲ Harbour Seal
- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)

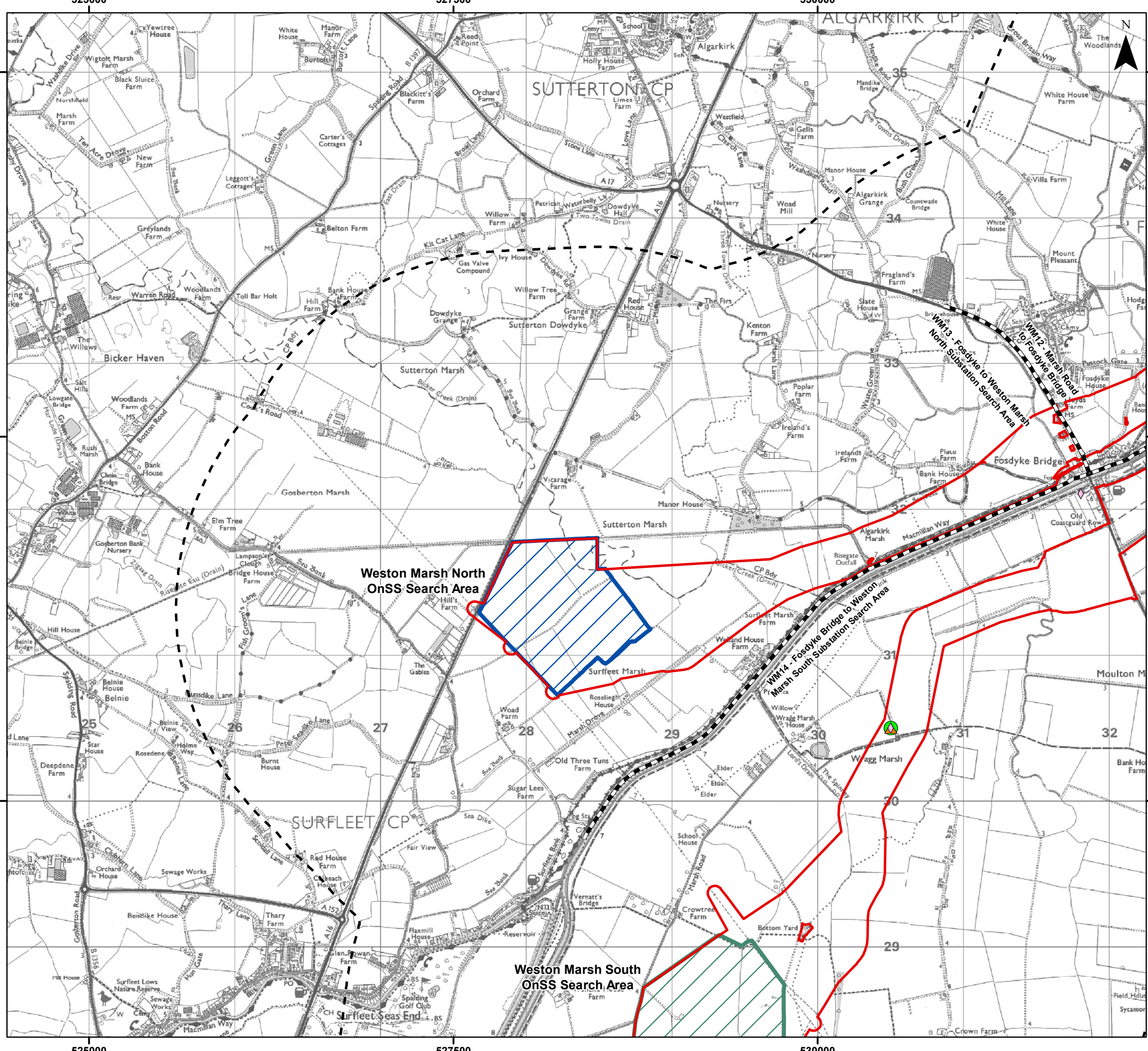


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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.10



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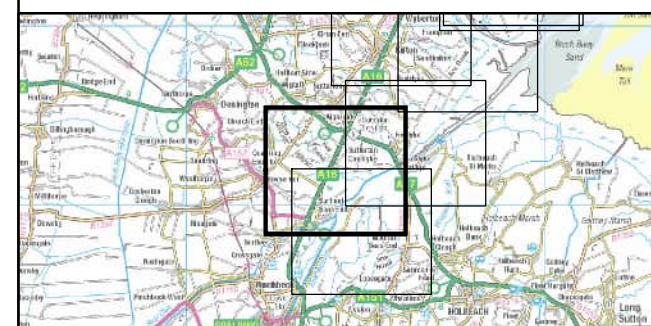
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Weston Marsh North OnSS Search Area
- Weston Marsh South OnSS Search Area
- Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer

**Local Records: Marine Mammals**

- ◆ Common Porpoise
- ▲ Harbour Seal
- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.11

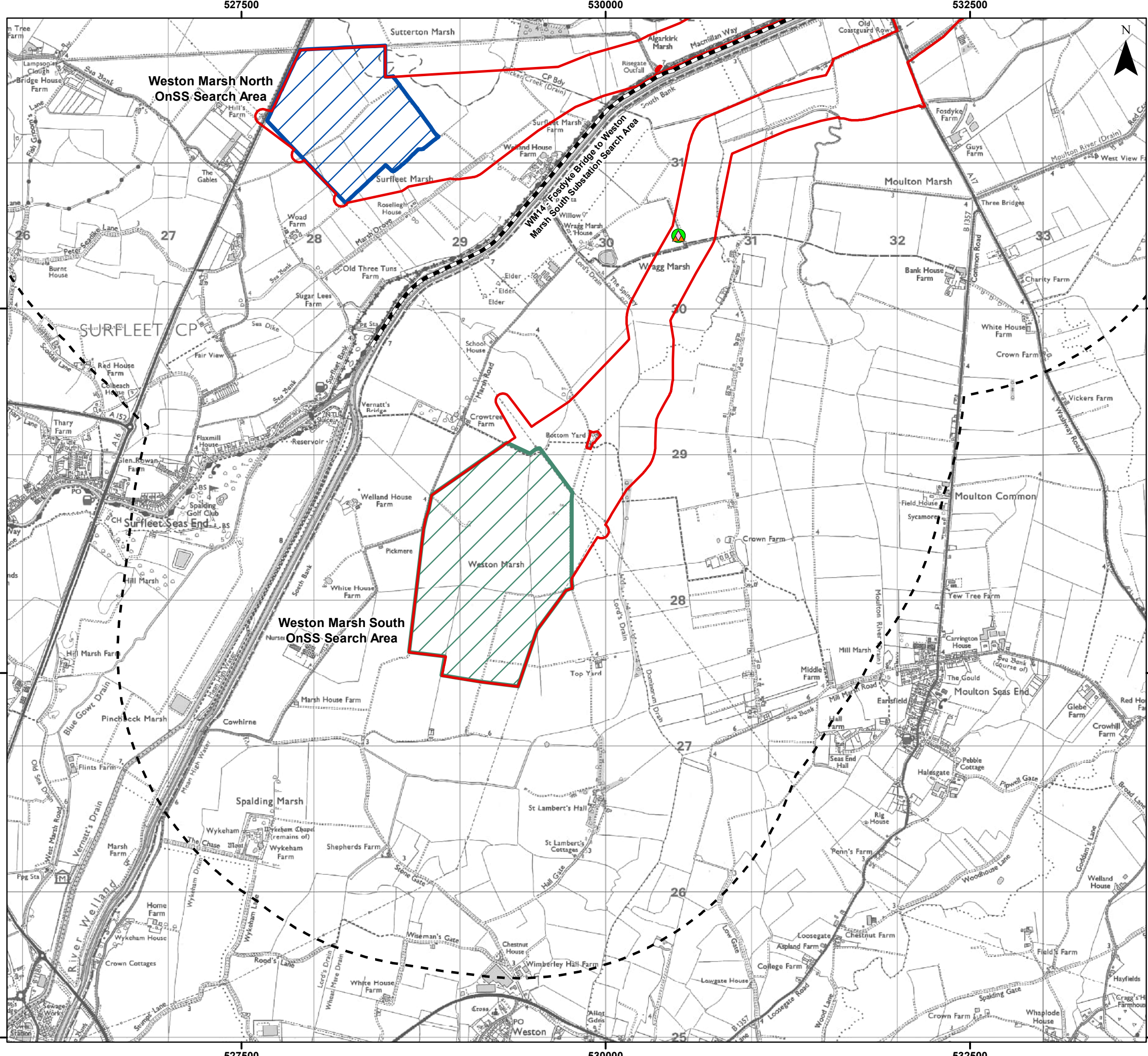


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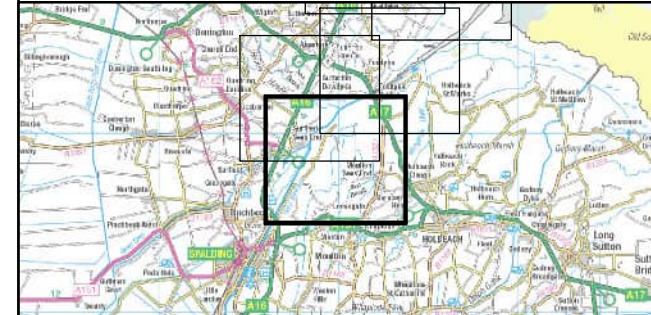
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**Legend**

- Onshore PEIR Boundary
  - Onshore Segment Break
  - Weston Marsh North OnSS Search Area
  - Weston Marsh South OnSS Search Area
  - Onshore PEIR Boundary (Weston Marsh via South of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- Common Porpoise
  - Harbour Seal
  - Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.12

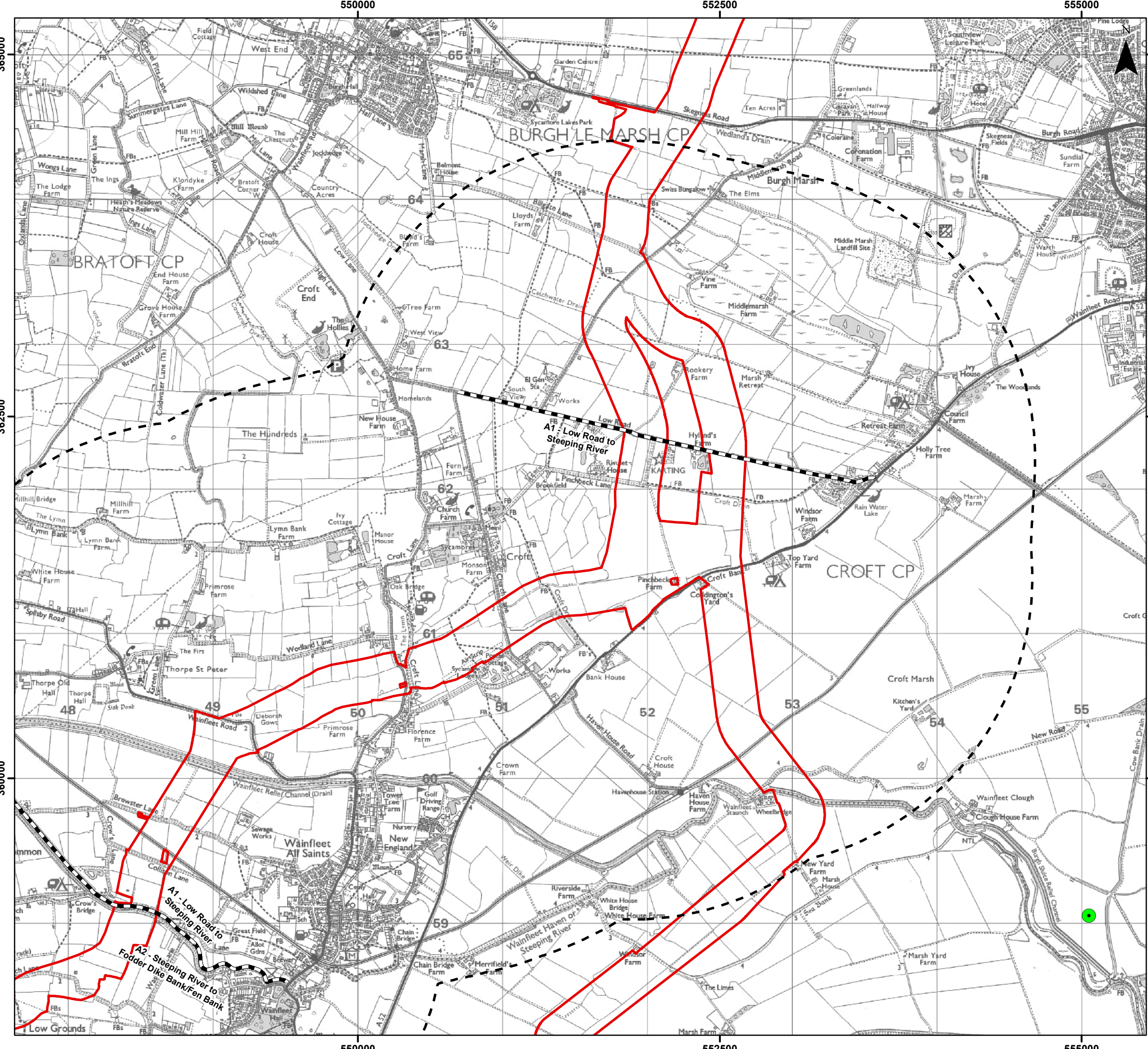


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### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

**Local Records: Marine Mammals**

- Grey Seal

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.13



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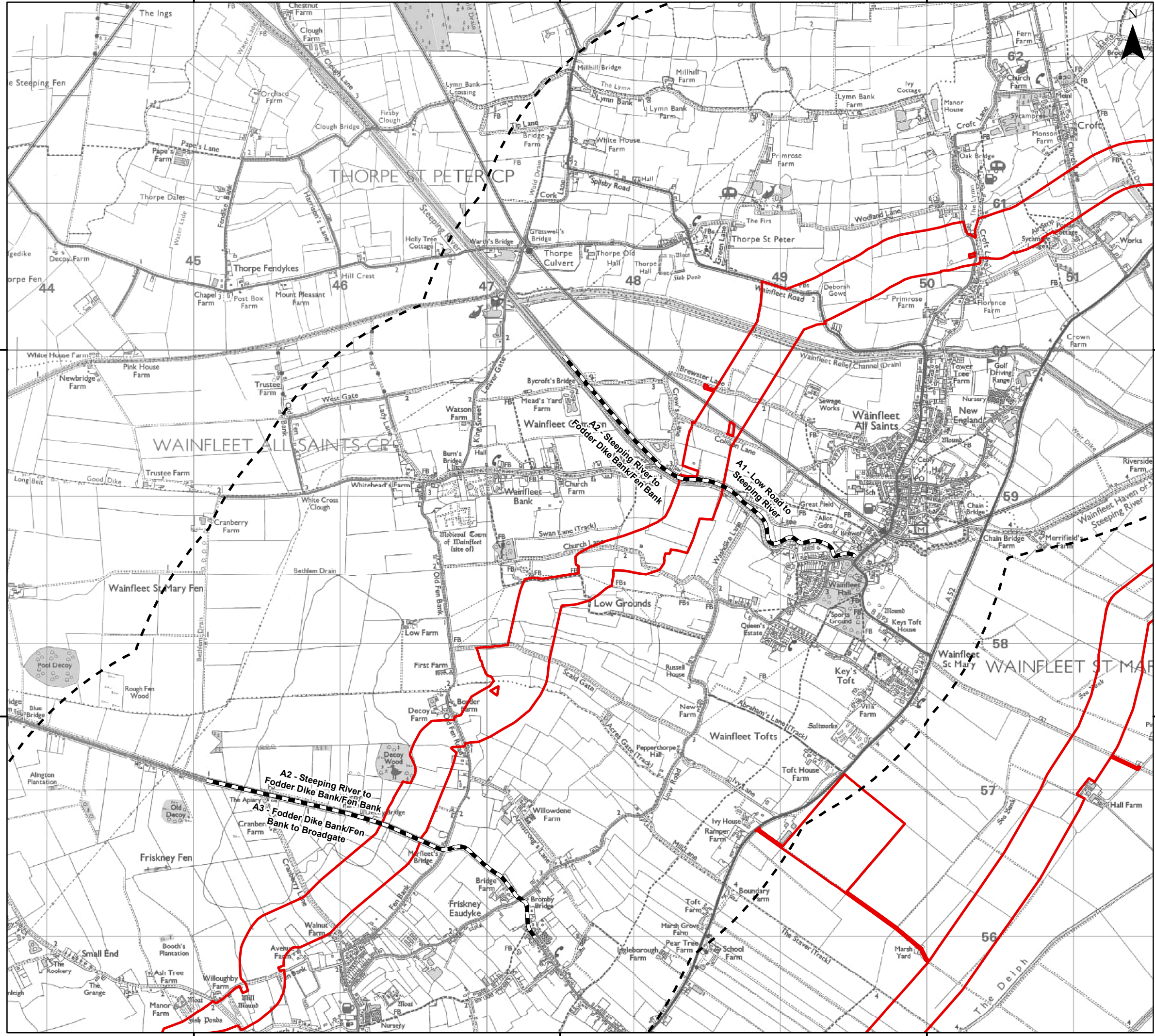
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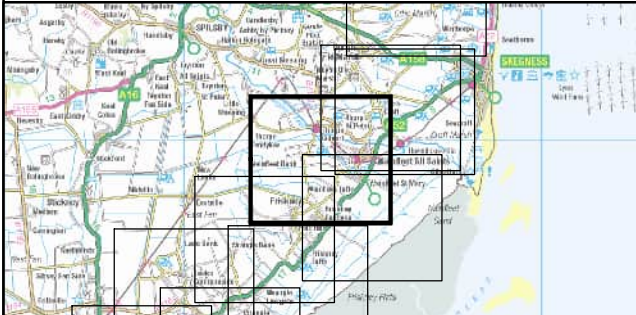
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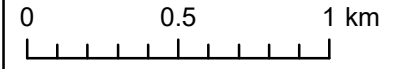
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



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### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Marine Mammals  
Figure 21.29.14



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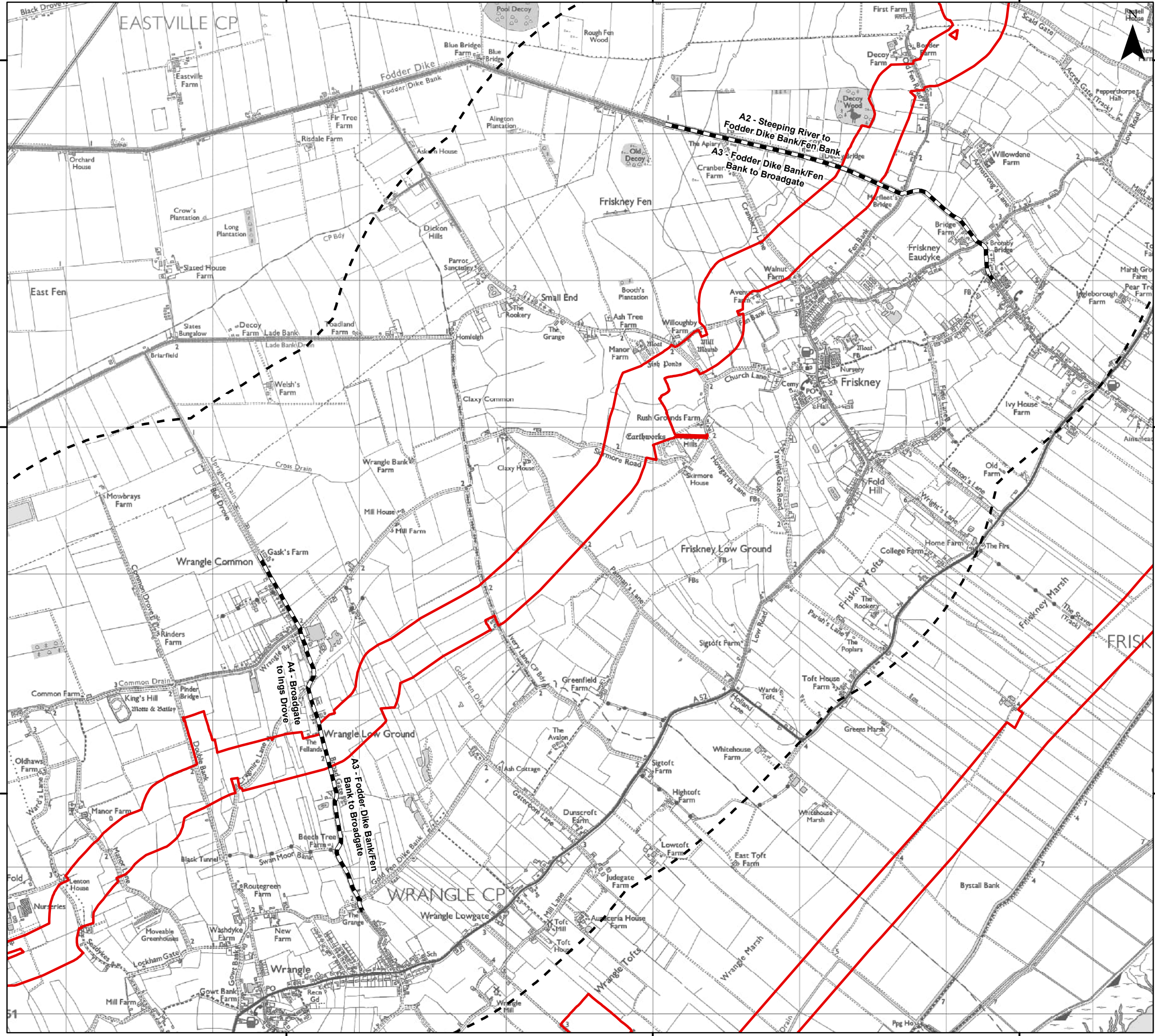
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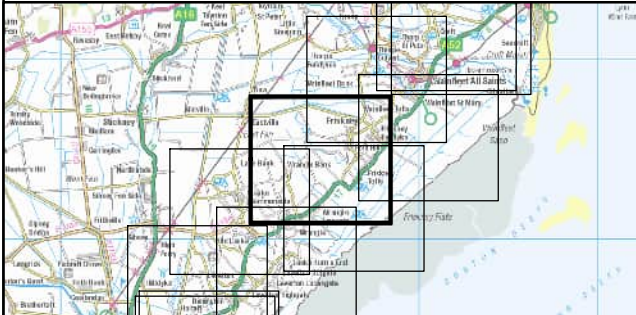
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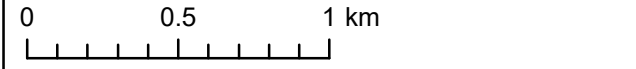
### Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

### Preliminary Environmental Information Report

Weston Marsh  
Protected and Notable Species Records  
Marine Mammals  
Figure 21.29.15



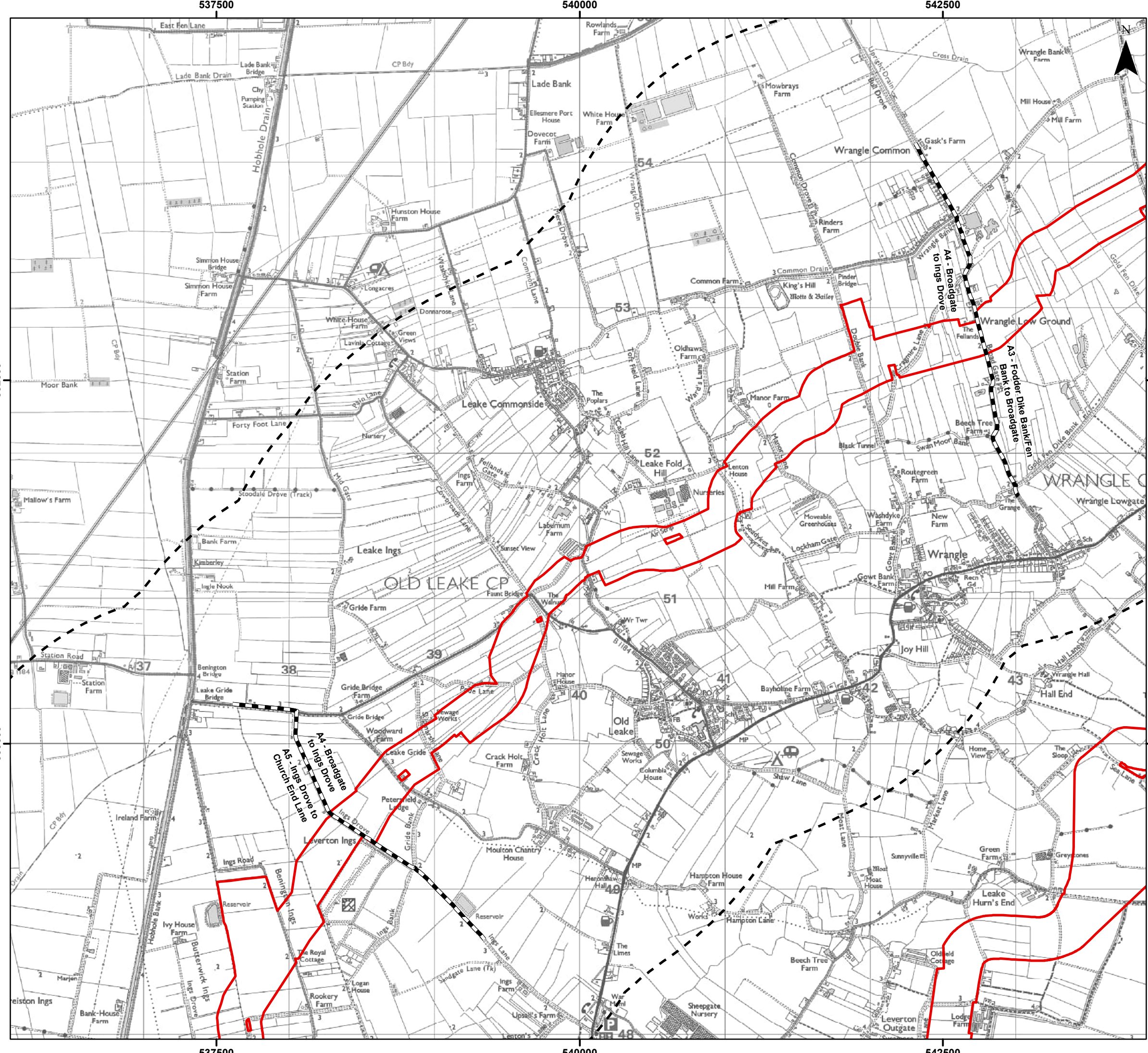
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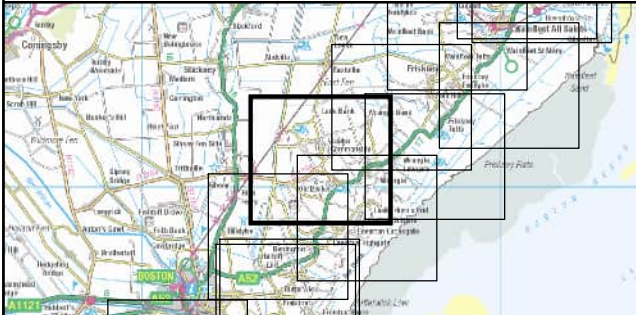




**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

**Sources:**  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.16

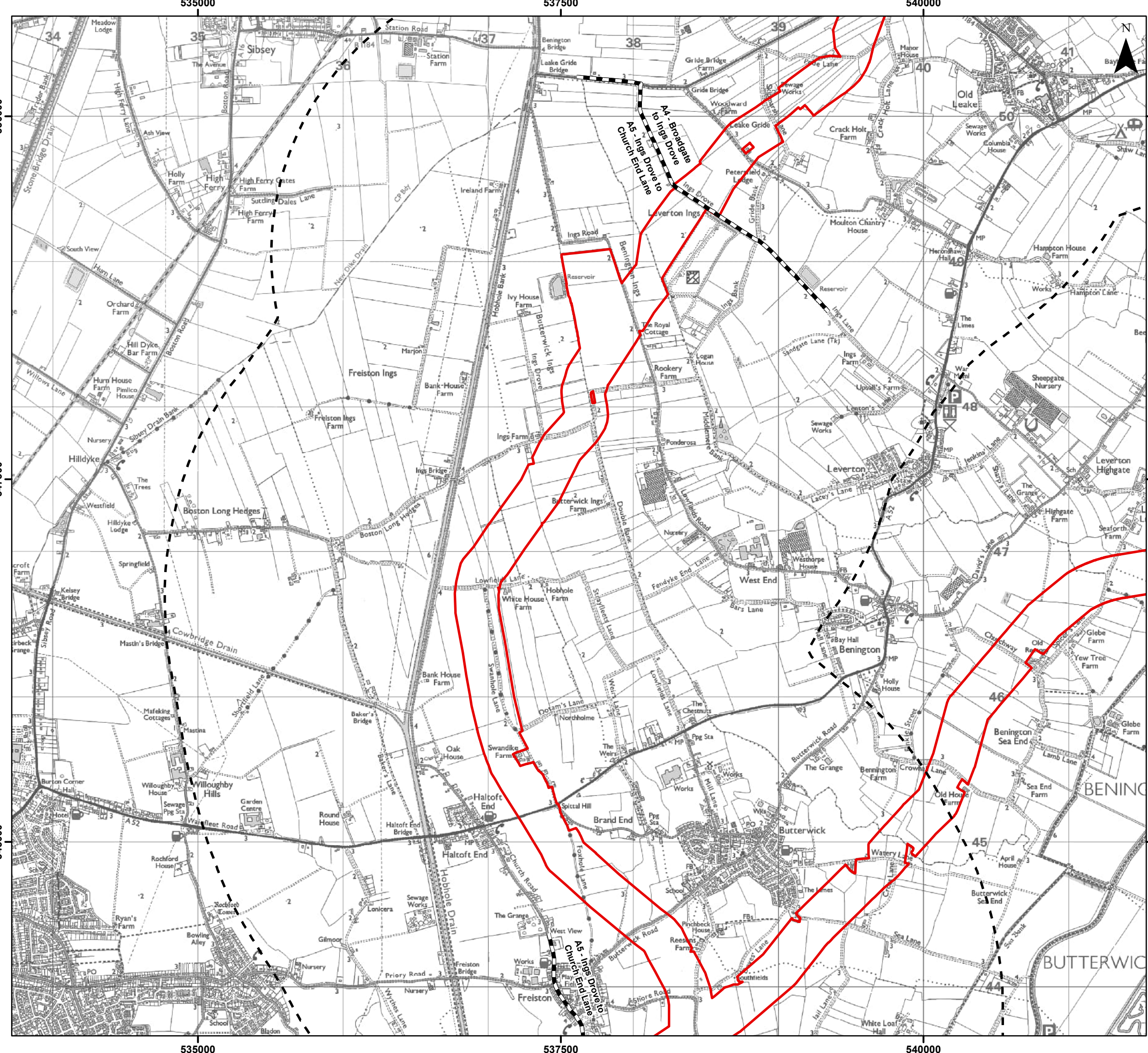


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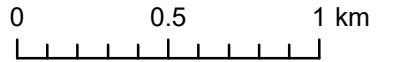
**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid



Scale: 1:25,000

**Preliminary Environmental Information Report**

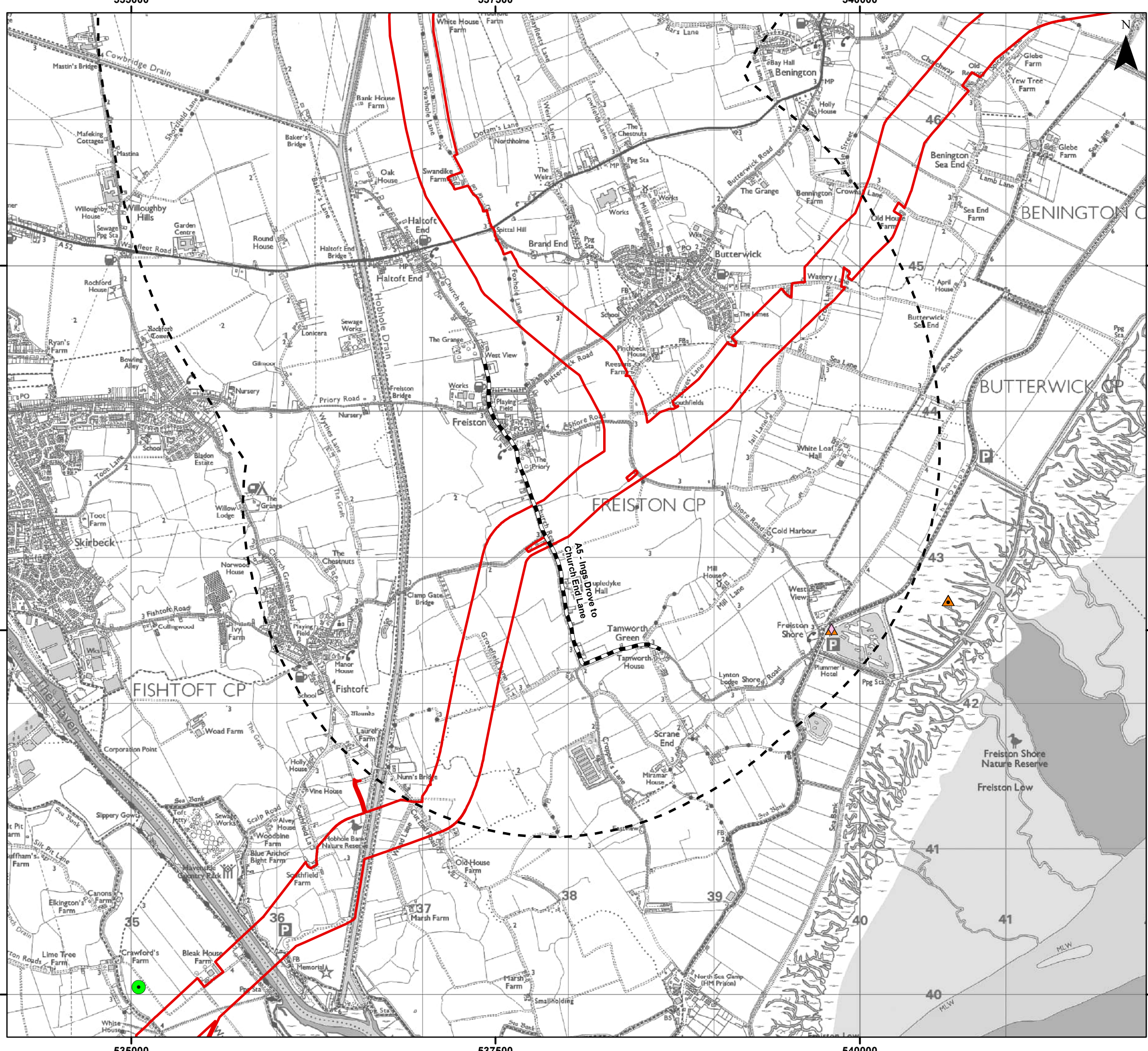
Weston Marsh  
Protected and Notable Species Records  
Marine Mammals  
Figure 21.29.17



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**Legend**

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary (Weston Marsh via North of the A52) 2 km Buffer
- Local Records: Marine Mammals**
- ◆ Common Porpoise
- ▲ Harbour Seal
- Grey Seal

Sources:  
Local Records derived from data provided by Lincolnshire Environmental Records Centre (December 2022)



Coordinate System: British National Grid  
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 Scale: 1:25,000

Preliminary Environmental Information Report  
 Weston Marsh  
 Protected and Notable Species Records  
 Marine Mammals  
 Figure 21.29.18



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## Annex 1: Survey Scope to be included in ES and relevant Consultee Comments

Survey Type	Timing	Survey Scope	Consultee Comments
Desk Study	August 2022 for Lincolnshire Node and Westone Marsh south of A52. March 2023 for Westone Marsh north of A52.	PEIR Boundary and 2km buffer for protected/important species and local designations, priority habitats and important plant areas. PEIR Boundary and 5km buffer for roosting bats. PEIR Boundary and 15km buffer for international and national statutory designations.	Natural England DAS Response dated 29 <sup>th</sup> July 2022 <i>'The desk study should include any records for water vole within a 2km radius of the site...'</i> The Planning Inspectorate paragraph 8.3.6 <i>'Natural England advises the desk-based search area be increased to 5 km for known bat roosts.'</i> Natural England's comments have been taken into account and the study areas revised accordingly.
Badger Survey	November 2022 to September 2023 By 28 <sup>th</sup> February 75-80% survey coverage achieved	PEIR Boundary and 100m buffer zone.	Natural England DAS Response dated 29 <sup>th</sup> July 2022. With reference to badger <i>'The outline proposals appear sufficient, but we will provide further advice once survey data is available.'</i>
Preliminary Roost Appraisal: Trees, Buildings and other Structures	November 2022 to September 2023 By 28 <sup>th</sup> February 50-70% coverage for buildings and structures and 70-75% for trees	PEIR Boundary and 100m buffer zone.	Natural England DAS response 29 <sup>th</sup> July 2022 <i>'Preliminary Roost Assessment (PRA) should also include any structures, that are to be impacted on/removed or illuminated should be assessed for their suitability for roosting bats within the cable route buffer area, and where potential suitability exists, presence/likely absence surveys should be carried out.'</i> Natural England's comments have been taken into account and study areas revised accordingly.

Survey Type	Timing	Survey Scope	Consultee Comments
Aerial Inspection Surveys for Bats	May to September 2023	PEIR Boundary and 100m buffer zone. To be carried out on trees graded as having low, moderate or high bat roost potential.	Agreement with detailed scope to be sought via the DAS Service and/ or ETGs.
Dusk Emergence/ Dawn Re-Entry Surveys for Bats	May to September 2023 (extended to October/ November should hibernation roosts be identified)	PEIR Boundary and 100m buffer zone. To be undertaken on trees where aerial inspection is not viable.	Natural England DAS response 29 <sup>th</sup> July 2022 ' <i>... the proposed bat emergence/re-entry survey methodology is sufficient...</i> ' Agreement with detailed scope to be sought via the DAS Service and/ or ETGs.
Bat Activity Surveys	May to September 2023	PEIR Boundary and 100m buffer zone. Positioning and number of transects are currently being refined.	Natural England DAS response 16 <sup>th</sup> September 2022 ' <i>Please note that the appropriate level of survey effort for activity surveys is required. As per best practice guidance (Collins, 2016) number of walked transects and numbers of static bat detectors should be based on the suitability of the habitat for bats.</i> ' Agreement with detailed scope to be sought via the DAS Service and/ or ETGs.
Static Detector Surveys	May to October 2023	PEIR Boundary and 100m buffer zone. Positioning and number of statics are currently being refined.	Natural England DAS response 16 <sup>th</sup> September 2022 ' <i>Please note that the appropriate level of survey effort for activity surveys is required. As per best practice guidance (Collins, 2016) number of walked transects and numbers of static bat detectors should be based on the suitability of the habitat for bats.</i> ' Agreement with detailed scope to be sought via the DAS Service and/ or ETGs.



Survey Type	Timing	Survey Scope	Consultee Comments
Habitat Suitability Index for GCN	August 2022 to May 2023	PEIR Boundary and 100m buffer for ditches. PEIR Boundary and 250m buffer for ditches.	DAS request regarding GCN survey methods sent to Natural England in May 2023.
eDNA survey for GCN	15 <sup>th</sup> April to May 2023	PEIR Boundary and 100m buffer for ditches. PEIR Boundary and 250m buffer for ditches. Undertaken on those ditches scoring 'Average' or above in the HSI Assessment	
Population Class Assessment for GCN	May to June 2023	PEIR Boundary and 100m buffer for ditches. PEIR Boundary and 250m buffer for ditches. Carried out for those water bodies returning a positive result for eDNA.	
Reptile Presence/Absence	June to September 2023	PEIR Boundary and 100m buffer zone. Surveys are ongoing to assess habitat suitability for reptile species.	Natural England DAS response 29 <sup>th</sup> July 2022. NE confirmed that <i>'Presence/likely absence surveys are not proposed for 'low potential habitat'.</i> Also, that <i>'Moderate or large-scale impacts' need to be defined'</i> Definitions of moderate and large scale impacts will be provided via the DAS Service and/ or ETGs
Water Vole	Commenced April 2023 and programmed for completion by June 2023. Undertaken in conjunction with the otter surveys.	PEIR Boundary and 200m upstream/ downstream in suitable habitat. Suitable habitat identified using existing species records and habitat assessment.	Natural England DAS response 29 <sup>th</sup> July 2022. <i>'The Extended Phase 1 survey should identify suitable habitat for water vole. It is advised that the initial habitat survey is undertaken during the breeding season to best inform any required surveys'</i>
Otter	Commenced April 2023 and programmed for completion by June 2023. Undertaken in conjunction with the water vole surveys.	PEIR Boundary and 250m upstream/ downstream in suitable habitat. Suitable habitat identified using existing species records and habitat assessment.	No comments for otter survey, other than an acknowledgement within The Planning Inspectorate.

Survey Type	Timing	Survey Scope	Consultee Comments
Fish	Summer 2023	Habitat suitability surveys and level of impacts to fish is still being determined. The scope of survey is therefore still to be agreed.	The Planning Inspectorate <i>'The ES should assess impacts to fish and other freshwater species and on water quality, where significant effects are likely to occur, supported by desk study information and surveys as necessary. Effort should be made to agree the methodology with the relevant consultation bodies.'</i>
Invertebrates	Summer 2023	Habitat suitability surveys and level of impacts to aquatic and terrestrial invertebrates is still being determined. The scope of survey is therefore still to be agreed.	The Planning Inspectorate <i>'Natural England advises that invertebrate surveys should be carried out across all SSSIs within the scoping area along the Lincolnshire Coast plus any linked land around these sites for where habitats/species may be impacted upon. For where LNRs border the SSSIs, these should also be assessed for further survey.'</i>