

Outer Dowsing Offshore Wind Preliminary Environmental Information Report Volume 2, Appendix 21.2: Initial Habitat Study

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**OUTER DOWSING OFFSHORE WIND
PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT
VOLUME 2, APPENDIX 21.2: INITIAL
HABITAT STUDY**

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1.0 Introduction

1.1 Purpose of this Report

This Technical Appendix has been produced to support Volume 1, Chapter 21 Onshore Ecology of the Preliminary Environmental Impact Report (PEIR) for the Outer Dowsing Wind Project (the Project). This report and associated Annexes present the preliminary results of a study of the habitats present within the area potentially affected by the Project.

2.0 Methodology

2.1 Initial Habitat Study

The habitat study relies solely on desk-based data (primarily aerial imagery) for this PEIR, with ground-truthing of a sample of areas in July 2022. This provided useful information regarding general habitat types within the Survey Area, however detailed habitat survey to UKHab (Butcher, 2020) categories is ongoing and will be reported in the Environmental Impact Assessment.

Habitat Plans are provided in Figure 21.2.1 for Lincolnshire Node and Figure 21.2.3 Weston Marsh. They include all habitats within the PEIR Boundary plus 100m either side (Survey Area- for Lincolnshire Node, Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52) Fields overlapping the boundary of the Survey Area (for Lincolnshire Node, Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52) have also been included for completeness. This has allowed linear habitats of importance (such as hedgerows and ditches) to be identified.

The aerial images used in this process were the latest commercially available OS Mastermap Aerial Imagery at 25 cm resolutions and are dated April 2022 (Supplied by Ordnance Survey). The minimum mapping unit used was 25m² or 5m length¹. National Tree Map data dated April 2022 was used to represent tree canopy coverage accurately and efficiently across the Survey Area. Due to the large extent of the Survey Area and early project stage, all other habitat boundaries are “snapped” to the nearest OS Mastermap topography vectors (boundaries within the Survey Area will be reviewed once the field surveys are underway).

Aerial photograph interpretation and a combination of OS Mastermap Topography and OS Vector Map Local datasets (April 2022) were used to identify the presence of waterbodies and watercourses within 250m of the onshore infrastructure options (shown on Figure 21.2.2 for Lincolnshire Node and Figure 21.2.4 for Weston Marsh). This method was used as small watercourses and ponds are often difficult to discern on aerial images prior to field survey. Smaller field ditches and ponds within 250m of the onshore infrastructure options will be ground truthed and accurately mapped during 2023 as full access permission from landowners is obtained.

All habitat types have been mapped using the UK Habitat Classification Documents V2.0 using the highest level of the UKHab Primary Habitat Hierarchy possible: for the majority of habitats, mapping to Level 2 was possible. In some instances, habitats have been mapped to Level 3, although this has only occurred where certainty from aerial imagery allowed. Further refinement to Levels 4 and 5 and use of secondary codes is being employed during the field surveys.

Aerial photograph interpretation was undertaken initially in April and May 2022 and was further refined in July – August 2022.

Definitions for UK and Lincolnshire Biodiversity Action Plan (BAP) were taken from the Joint Nature Conservation Council Website (JNCC, 2016) and the Lincolnshire Biodiversity Action Plan 2011-2020.

¹ Therefore, habitats smaller than 25 m² will not have been identified and mapped as part of this assessment.

2.2 Limitations

It was not possible to classify a small percentage of land cover in some segments using desk-based methodologies. Field surveys will resolve this issue by providing clarity on the habitats present.

The initial habitat study was likely to miss certain ponds due to the limitation of utilising aerial imagery. Ponds missed could include those that are less than 25m², ponds within dense canopy, and those within residential gardens. As such, these ponds are excluded from this study. However, any such ponds that are found during future field survey will be included within the Ecological Impact Assessment (EclA).

3.0 Results

General descriptions for habitats are provided below. Detailed descriptions are not available for this report but will be presented within the Environmental Statement appendices once field surveys have been completed.

3.1 Lincolnshire Node

The 300m wide Onshore Export Cable Corridor (ECC) covers 409ha of land in total, with the 100m buffer zone extending the Lincolnshire Node Survey Area to 638 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 11%, and sparsely vegetated land (concentrated at the coast) accounts for 9%, with wetland, heathland and shrub, urban, woodland and rivers and streams forming the remaining percentage of cover. Descriptions of each habitat are provided below.

Table 1 provides details of the total area and percentage total for each habitat type. Figure 21.2.1 shows the location and extent of habitats within the Lincolnshire Node Survey Area. Waterbodies and watercourses are shown on Figure 21.2.2.

3.1.1 Cropland – Arable and Horticulture – c

The Lincolnshire Node Survey Area is dominated by an arable landscape with cropland comprising cereal crops, non-cereal crops, and temporary grass, covering the majority of the Lincolnshire Node Survey Area.

In general, these fields contain monoculture crops with very low ecological value and as such the central areas of these fields have been scoped out of further assessment; however, the field boundaries include hedgerows, ditches, and herbaceous arable field margins (all of which are Lincolnshire BAP habitats).

3.1.2 Arable Field Margins

The Arable Field Margins of herbaceous vegetation within the arable fields identified may classify as a UKBAP Priority Habitat – Arable Field Margins and Lincolnshire BAP habitat Arable Field Margins. These margins will be subject to further on-site assessment to identify if they qualify against the criteria defining priority habitats.

3.1.3 Woodland and Forest – w and Individual Trees

Woodland and forest include land with more than 25% cover of trees more than 5m in height. Woodland is relatively scarce within the Lincolnshire Node Survey Area, with areas of woodland greater than 25m² only accounting for just under 1% of the total land area. All of the woodlands within the Lincolnshire Node Survey Area are linear features concentrated along roads, watercourses, and field boundaries. Aerial imagery and street views suggests that these would classify as woodland using the UK Classification system, although it is probable

that some could be reclassified as hedgerows (h2), scrub (h3), or lines of trees (w1g6) following the completion of the field surveys. The majority of these linear features appear to be dominated by broad-leaved species (w1). The initial habitat mapping has identified 208 standalone trees within the Lincolnshire Node Survey Area. Random sampling of these trees using street views suggests that the majority are broad-leaved species.

3.1.4 Urban – u

The Urban category includes constructed, industrial and other artificial habitats. Within the Lincolnshire Node Survey Area, urban areas mainly comprise roads, railways and small settlements. This classification constitutes only a small percentage of the total Lincolnshire Node Survey Area.

3.1.5 Heathland and Shrub – h (Hedgerow – h2 and Shrub – h3 only)

Heathland and Shrub habitats include vegetation with more than 25% cover of dwarf shrub species, less than 1.5m high or woody species up to 5m high. Within the Lincolnshire Node Survey Area, this habitat type can be further classified as either hedgerow (h2) or shrub (h3), with no heathland (h1) identified. The area cover of these habitats within the Lincolnshire Node Survey Area are further discussed below.

3.1.6 Hedgerows – h2

The majority of hedgerows are associated with field boundaries, with some also bordering residential properties, roads, and water courses.

Most of the hedgerows identified within the Lincolnshire Node Survey Area are likely to meet the Priority Habitat definition (see Annex A: Biodiversity Action Plan Definitions).

Priority habitat hedgerows will be confirmed during the future on-site surveys.

3.1.7 Shrub – h3

Areas of dense and scattered shrub are often associated with residential dwellings and nature reserves. Arable fields margins are generally intensively managed, having very little shrub present. In this agricultural setting, scattered shrub tends to be a remnant of a former hedgerow.

In total, the Heathland and Shrub habitat type represent less than 2% of the land cover in the Lincolnshire Node Survey Area. However, the majority of this area comprises hedgerow rather than shrub, with much of the remaining area classified as scattered shrub within the arable fields.

3.1.8 Grassland – g

Grassland includes pastures, semi-natural and natural grasslands that are not on waterlogged soils. Areas of grassland are found at Anderby Marsh Lincolnshire Wildlife Trust (LWT) Reserve and within smaller fields across the onshore ECC. Grassland may be taken forward as an Important Ecological Feature (IEF) in the ES, given that it represents just under 10% of the habitat present at Lincolnshire Node. Additional surveys will confirm the type and condition of grassland present.

3.1.9 Rivers and Lakes – r

Rivers and Lakes include all inland, freshwater ecosystems and include eutrophic standing waters, rivers, streams, ditches, and ponds and gravel pits. It includes Lincolnshire BAP Priority Habitats: rivers, canals and drains; and ponds, lakes, and reservoirs.

A total of 19 waterbodies of varying sizes have been identified within the PEIR boundary. The ponds include garden ponds, field ponds, fishing ponds and/or lakes.

Within the Lincolnshire Node Survey Area the vast majority of watercourses are drainage ditches which are managed by Lindsey Marsh Drainage Board. Their size and length vary considerably, although the majority were historically designed to have a 'straight and steep' profile.

The Lincolnshire BAP includes all of Lincolnshire's natural, modified and man-made watercourses (excluding chalk streams which are absent from the Lincolnshire Node Survey Area). Drainage ditches within the Lincolnshire Node Survey Area are therefore included as a Priority Habitat.

The onshore ECC also crosses two watercourses designated as main rivers²:

- *Anderby Main Drain – 'lies within the Landfall to A52 Mumby section of the PEIR Boundary. It is a manmade watercourse that takes water from an area around 35.287 km² in size and is part of the Steeping and Eaus catchment area. In 2019, the Environment Agency found the relevant stretch of Anderby Main Drain to have 'moderate' ecological status but 'failed' chemical status due to the presence of high levels of mercury and its compounds as well as polybrominated diphenyl (PBDE) and its components (Environment Agency (EA) Catchment Data Explorer, website). The failed chemical status has been attributed to poor livestock and nutrient management.'*
- *Boy Grift Drain – a 8.79km manmade watercourse. 'In 2019, the Environment Agency found it to have 'moderate' ecological status and 'failed' chemical status owing to poor nutrient management, high levels of dissolved oxygen, high levels of pollutants, including benzo(a)pyrene, mercury and its compounds and PBDE and its components (EA Catchment Data Explorer, website).'*

3.1.10 Sparsely Vegetated Land

The remaining 56.3ha of sparsely vegetated land within the Lincolnshire Node Survey Area is associated with the sand dunes and mudflats within designated sites at the coast. There are no areas of sparsely vegetated land within the 'A52 – Mumby to Lincolnshire Node Substation' section

² Main rivers are designated by the Environment Agency under section 193C(1) of the Water Resources Act 1991. Main Rivers can be reviewed freely online at <https://environment.maps.arcgis.com/apps/webappviewer/index.html?id=17cd53dfc524433980cc333726a563>

Table 1: Total area and percentage total for each Level 2 UK Habitat Classification Type at Lincolnshire Node (in Segments)

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type within the PEIR Boundary (ha)	Percentage Total for each Habitat Type within the PEIR Boundary	Total Area for each Habitat Type within the Survey Area (ha)	Percentage Total for each Habitat Type within the Survey Area
LN1 - Landfall to A52 - Mumby				
Cropland (c)	128.54	55.1	202.69	55.5
Woodland and forest (w)	0.50	0.1	1.30	0.3
Urban (u)	1.31	0.5	7.76	2.0
Heathland and shrub (h)	3.75	1.5	7.05	1.8
Grassland (g)	47.00	20.2	61.74	17.0
Rivers and lakes (r)	4.34	1.8	5.48	1.5
Sparsely vegetated land (s)	48.66	20.8	56.27	15.4
Wetland (f)	-	-	Negligible	Negligible
Unclassified	-	-	24.09	6.5
Sub-total for Segment	234.14	100	366.38	100
LN2 - A52 – Mumby to Lincolnshire Node				
Cropland (c)	167.54	96.1	241.55	89.2
Woodland and forest (w)	1.14	0.7	5.02	1.9
Urban (u)	1.86	1.1	7.48	2.9

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type within the PEIR Boundary (ha)	Percentage Total for each Habitat Type within the PEIR Boundary	Total Area for each Habitat Type within the Survey Area (ha)	Percentage Total for each Habitat Type within the Survey Area
Heathland and shrub (h)	0.04	-	1.14	0.5
Grassland (g)	2.28	1.3	13.45	5.1
Rivers and lakes (r)	1.57	0.9	2.54	0.4
Sub-total for segment	174.42	100	271.18	100
Total Habitat Area for Lincolnshire Node	408.56	-	637.56	-

3.2 Weston Marsh ECC North and Weston Marsh ECC South of the A52

3.2.1 Weston Marsh ECC North of the A52

The Onshore ECC for the Weston Marsh North of the A52 option covers approximately 2,557ha of land in total, with the 100m buffer zone extending the Weston Marsh ECC North of the A52 Survey Area to 4,110ha. 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. Cropland, including both arable and horticulture covers 85% of the total land area within the PEIR Boundary. Grassland accounts for almost 7%, with the remaining habitat classifications forming 8%. Table 2 provides details of the total area and percentage total for each habitat type.

3.2.2 West Marsh ECC South of the A52

The Weston Marsh ECC South of the A52 option covers approximately 2,491ha of land, with the 100m buffer zone included, increasing the Weston Marsh ECC South of the A52 Survey Area to 4,055ha. The main habitat types for Weston Marsh ECC South 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 ECC North of the A52, the most predominant habitat type for Weston Marsh ECC South of the A52 is cropland, accounting for approximately 81% of the total Survey Area. The second largest habitat classification is grassland, equating to approximately 10%. All other classifications denoted above form the remaining 10% of land cover.

3.2.3 Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52

Both 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 21.2.3 shows the location and extent of habitats within the Survey Areas for Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52. Waterbodies and watercourses within 250m of the onshore ECC are shown on Figure 21.2.4.

3.2.4 Cropland – Arable and Horticulture – c

The Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 are dominated by an arable landscape with cropland comprising cereal crops, non-cereal crops, and temporary grass.

In general, these fields contain monoculture crops with very low ecological value and as such the central areas of these fields have been scoped out of further assessment. However, the field boundaries include hedgerows, ditches, and herbaceous arable field margins (all of which are Lincolnshire BAP habitats).

3.2.5 Arable Field Margins

The Arable Field Margins of herbaceous vegetation within the arable fields identified may classify as a UKBAP Priority Habitat – Arable Field Margins and Lincolnshire BAP habitat Arable Field Margins. These margins will be subject to further on-site assessment to identify if they qualify against the criteria detailed within Annex A: Biodiversity Action Plan Definitions which defines these priority habitats.

3.2.6 Woodland and Forest – w and Individual Trees

Woodland is relatively scarce within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52. The woodland areas present are all linear features concentrated along roads, watercourses, and field boundaries. Aerial imagery and street views suggests that these would classify as

woodland using the UK Classification system, although it is probable that some could be reclassified as hedgerows (h2), scrub (h3), or lines of trees (w1g6) following the completion of the field surveys. The majority of these linear features appear to be dominated by broad-leaved species (w1).

The initial habitat mapping has identified almost 3000 standalone trees within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52. Random sampling of these trees using street views suggests that the majority are broad-leaved species.

3.2.7 Urban – u

Within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52, urban areas mainly comprise roads, railways and small settlements. These represent only a small percentage of the total area and are one of the least common habitats present in the Survey Area.

3.2.8 Heathland and Shrub – h (Hedgerow – h2 and Shrub – h3 only)

Heathland and Shrub habitats include vegetation with more than 25% cover of dwarf shrub species less than 1.5m high or woody species up to 5m high. Within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52, this habitat type can be further classified as either hedgerow (h2) or shrub (h3), with no heathland (h1) identified. The area cover of these habitats within the Survey Area are further discussed below.

3.2.9 Hedgerow – h2

The majority of hedgerows are associated with field boundaries, with some also bordering residential properties, roads, and water courses.

Most of the hedgerows identified within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 are likely meet the Priority Habitat definition (see Annex A: Biodiversity Action Plan Definitions).

Priority habitat hedgerows will be confirmed during the future on site surveys.

3.2.10 Shrub – h3

Areas of dense and scattered shrub are often associated with residential dwellings and nature reserves. Arable fields margins are generally intensively managed, having very little shrub present. In this agricultural setting, scattered shrub tends to be a remnant of a former hedgerow.

In total, the Heathland and Shrub habitat type represent under 0.5% of the habitats present within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52; however, the majority of this area is representative of the hedgerows rather than shrub, with much of the remaining areas of the broad habitat type classified as scattered shrub within arable fields.

3.2.11 Grassland – g

Grassland includes pastures, semi-natural and natural grassland that are not on waterlogged soils. Within the Weston Marsh PEIR Survey Area grassland make up a substantial portion of habitat cover, at almost 9% across the Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52. Areas of grassland are found at Anderby Marsh LWT Reserve and within smaller fields across the onshore ECC. Grassland will be taken forward as an IEF and additional surveys will confirm the type and condition of grassland present.

3.2.12 Rivers and Lakes – r

Rivers and Lakes include all inland, freshwater ecosystems and include eutrophic standing waters, rivers, streams, ditches, ponds and gravel pits. It includes Lincolnshire BAP Priority Habitats: rivers, canals, drains, ponds, lakes, and reservoirs.

This habitat will be further classified into sub-categories r1 Standing Open Water and Canals, and r2 Rivers and Streams during the future on site surveys.

Ponds of varying sizes have been identified within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52. The ponds include field ponds, what appear from aerial to be fishing ponds and/or lakes. The assessment was likely to miss certain ponds due to the limitation of utilising aerial imagery. Such ponds include those that are less than 25m², ponds within dense canopy, and those within residential gardens. As such, these ponds are excluded from these figures. However, any such ponds that are found during future field survey will be included within the EclA.

Within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 the vast majority of watercourses are drainage ditches and include field ditches and those managed by Lindsey Marsh, Witham Fourth, Black Sluice and Welland and Deepings Drainage Boards. The rivers are managed by the Environment Agency. The size and length of these watercourses varies considerably, although the majority were historically designed to have a 'straight and steep' profile.

The Lincolnshire BAP includes all of Lincolnshire's natural, modified and man-made watercourses (excluding chalk streams which are absent from the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52). Drainage ditches are therefore included as a Priority Habitat.

Within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 there are also a number of watercourses designated as main rivers³ including:

- *'The Haven – a heavily modified, tidal river which connects both the River Witham in Boston and the South Forty Foot Drain to the south of Boston, with The Wash. The Haven forms part of Havenside Country Park Local Nature Reserve (LNR). In 2019, the Environment Agency found the relevant stretch of The Haven to have poor ecological and chemical status, attributing this to poor nutrient and soil management, high levels of dissolved oxygen, high levels of pollutants (including mercury and its compounds and polybrominated diphenyl (PBDE) and its components) (Environment Agency Catchment Data Website). Despite this, it is known to support saltmarsh communities and provide habitat for common seal and water birds.'*
- *'River Welland – a 105km, heavily modified and tidal river which flows into The Wash. In 2019, the Environment Agency found this relevant stretch of the River Welland to have 'moderate' ecological status and 'failed' chemical status owing to poor nutrient management, high levels of dissolved oxygen, high levels of pollutants (including mercury and its compounds and PBDE and its components). On the south bank of the River is Moulton Marsh Local Wildlife Site (LWS) and LWT Reserve, a series of lagoons supporting good numbers of water birds.'*
- *'Wainfleet Haven and the Wainfleet Haven Relief Channel. The River Steeping separates to the west of Wainfleet to form the two water courses which join together once more, east of Wainfleet before out-falling into the North Sea at Wainfleet Sands, close to Gibraltar Point Special Protection Area (SPA), Site of Special Scientific Interest (SSSI) and National Nature Reserve (NNR). The Relief Channel also takes*

³ Main rivers are designated by the Environment Agency under section 193C(1) of the Water Resources Act 1991. Main Rivers can be reviewed freely online at

<https://environment.maps.arcgis.com/apps/webappviewer/index.html?id=17cd53dfc524433980cc333726a563>
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water from the River Lymn. In 2019, the Environment Agency found this relevant stretch of the Wainfleet Haven labelled the 'Lymn/Steeping Water Body' to have 'moderate' ecological status and 'failed' chemical status owing to poor nutrient management, high levels of dissolved oxygen, high levels of pollutants (including mercury and its compounds and PBDE and its components).'

- 'Hobhole Drain forms part of the Witham Navigable Drains. Its water levels are artificially controlled at Hobhole Pumping Station before it discharges into the Haven. The Witham Navigable Drains have 'bad' ecological status and 'failed' chemical status according to the 2019 dataset from the Environment Agency. At the Hobhole Drain crossing point is Fishtoft Lakes, a private fishing lake and activity centre.'
- 'Willoughby High Drain Water Body. In 2019, the Environment Agency found Willoughby High Drain (which also includes Four Hundred Acre Drain) to have 'moderate' ecological status and 'failed' chemical status owing to poor nutrient management, high levels of dissolved oxygen, high levels of pollutants (including mercury and its compounds and PBDE and its components). This Water Body includes Mumby Drain, Four Hundred Acre Drain and another large drain running parallel with Sloothby High Lane in Hogsthorpe. Water levels within these large drains are controlled by the Chapel Pumping Station and flood defences in Chapel St. Leonards.'
- 'Wedland's Drain which runs along the A158 between Burgh le Marsh and Skegness. This 8.14km length, heavily modified drain was found to have 'moderate' ecological status and 'failed' chemical status owing to poor nutrient management, high levels of dissolved oxygen, high levels of pollutants (including mercury and its compounds and PBDE and its components).'
- 'Catchwater Drain, a large drain running perpendicular to Middlemarsh Road which forms the southern extent of the Wedlands and North Drain Water Body. The ecological and chemical status are identical to Wedland's Drain.'

3.2.13 Sparsely Vegetated Land

The remaining 56.9ha of sparsely vegetated land within the Survey Areas for both Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 is associated with the sand dunes and mudflats within designated sites at the coast.

Table 2: Total area and percentage total for each Level 2 UK Habitat Classification Type within Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 (in Segments)

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
WM1 - Landfall to A52 – Hogsthorpe (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	124.27	56.3	186.81	53.6
Woodland and forest (w)	0.27	0.1	1.98	0.6
Urban (u)	1.50	0.7	8.47	2.4
Heathland and shrub (h)	3.81	1.7	7.70	2.2
Grassland (g)	37.58	17.0	56.16	16.1
Rivers and lakes (r)	4.48	2.0	6.27	1.8
Sparsely vegetated land (s)	48.67	22.1	56.35	16.2
Unclassified	-	-	24.30	6.7
Segment sub-total	220.58	100	348.04	100
WM2 - A52 - Hogsthorpe to Marsh Lane (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	111.96	79.0	183.74	76.0
Woodland and forest (w)	0.74	0.5	2.04	0.8
Urban (u)	0.86	0.6	5.61	2.3
Heathland and shrub (h)	0.22	0.2	0.53	0.2

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Grassland (g)	26.45	18.7	47.11	19.5
Rivers and lakes (r)	1.8	0.8	2.22	0.9
Segment sub-total	142.03	100	241.25	100
WM3 - Marsh Lane to A158 - Skegness Road (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	100.24	90.6	164.74	86.0
Woodland and forest (w)	0.22	0.2	1.12	0.6
Urban (u)	1.03	0.5	7.19	0.4
Heathland and shrub (h)	0.14	0.1	0.23	0.2
Grassland (g)	10.02	5.2	19.79	10.3
Rivers and lakes (r)	1.52	0.8	2.91	1.5
Wetlands (f)	0.12	0.1	0.19	0.1
Segment sub-total	113.29	100	196.17	100
WM5 – Low Road to Steeping River (Weston Marsh North of the A52)				
Cropland (c)	110.76	88.5	165.49	83.3
Woodland and forest (w)	0.15	0.1	1.07	0.5
Urban (u)	1.31	0.9	4.15	2.1
Heathland and shrub (h)	0.24	0.2	0.55	0.3
Grassland (g)	11.14	8.9	23.93	12.0

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Rivers and lakes (r)	1.54	1.2	2.98	0.1
Wetlands (f)	-	-	0.46	0.1
Segment sub-total	125.1	100	198.17	100
WM6 – Steeping River to Ivy House Farm/Marsh Yard (Weston Marsh North of the A52)				
Cropland (c)	181.92	97.4	300.92	93.2
Woodland and forest (w)	0.01	negligible	0.19	0.1
Urban (u)	1.18	0.6	8.22	2.5
Heathland and shrub (h)	-	-	0.06	0.1
Grassland (g)	0.70	0.4	6.63	2.1
Rivers and lakes (r)	3.06	1.6	6.79	2.1
Non-classified	-	-	0.05	negligible
Segment sub-total	186.87	100	322.86	100
WM7 - Ivy House Farm/Marsh Yard to Staples Farm (Weston Marsh North of the A52)				
Cropland (c)	219.78	93.9	379.27	92.5
Woodland and forest (w)	0.72	0.3	1.59	0.4
Urban (u)	1.30	0.6	4.99	1.2
Heathland and shrub (h)	negligible	negligible	0.41	0.1
Grassland (g)	5.60	2.6	10.50	2.6

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Rivers and lakes (r)	5.50	2.3	12.20	3.0
Unclassified	-	-	1.19	0.3
Segment sub-total	232.90	100	410.15	100
WM8 - Staples Farm to Crowhall Lane (Weston Marsh North of the A52)				
Cropland (c)	278.62	95.4	410.32	90.2
Woodland and forest (w)	1.74	0.6	6.79	1.5
Urban (u)	1.20	0.4	17.82	3.9
Heathland and shrub (h)	negligible	negligible	0.21	negligible
Grassland (g)	6.13	2.1	12.28	2.7
Rivers and lakes (r)	3.85	1.3	6.68	1.5
Unclassified	-	-	0.22	negligible
Segment sub-total	291.54	100	454.32	100
WM9 - Crowhall Lane to Church End Lane (Weston Marsh North of the A52)				
Cropland (c)	94.39	97.2	153.25	93.0
Woodland and forest (w)	0.24	0.3	0.92	0.6
Urban (u)	0.48	0.5	4.82	2.9
Heathland and shrub (h)	-	-	0.05	negligible
Grassland (g)	1.42	1.5	4.14	2.7

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Rivers and lakes (r)	0.92	1.0	1.71	1.0
Unclassified	0.01	Negligible	0.35	0.2
Segment sub-total	97.46	100	165.24	100
A1 - Low Road to Steeping River (Weston Marsh South of the A52)				
Cropland (c)	110.76	88.5	165.49	83.3
Woodland and forest (w)	0.15	0.1	1.07	0.5
Urban (u)	1.31	0.9	4.15	2.1
Heathland and shrub (h)	0.24	0.2	0.55	0.3
Grassland (g)	11.14	8.9	23.93	12.0
Rivers and lakes (r)	1.53	1.2	2.98	1.5
Fen marsh and swamp (f)	0.11	0.1	0.46	0.2
125.24Segment sub-total	125.24	100	198.63	100
A2 – Steeping River to Fodder Dike Bank/Fen Bank (Weston Marsh South of the A52)				
Cropland (c)	82.93	86.9	126.94	75.1
Woodland and forest (w)	1.03	1.1	16.58	9.8
Urban (u)	0.48	0.5	3.28	1.9
Heathland and shrub (h)	0.80	0.8	1.58	0.9

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Grassland (g)	7.70	8.1	16.24	9.6
Rivers and lakes (r)	2.80	2.9	4.80	2.8
Segment sub-total	95.74	100	169.42	100
A3 – Fodder Dike Bank/Fen Bank to Broadgate (Weston Marsh South of the A52)				
Cropland (c)	140.54	84.6	229.69	80.3
Woodland and forest (w)	0.44	0.3	3.81	1.3
Urban (u)	0.9	0.5	6.20	2.2
Heathland and shrub (h)	0.7	0.4	1.22	0.4
Grassland (g)	20.22	12.2	39.05	13.6
Rivers and lakes (r)	3.47	2.1	5.93	2.1
Wetlands (f)	-	-	0.01	negligible
Segment sub-total	166.27	100	285.91	100
A4 – Broadgate to Ings Drove (Weston Marsh South of the A52)				
Cropland (c)	157.27	93.9	258.16	87.0
Woodland and forest (w)	0.28	0.2	3.71	1.3
Urban (u)	1.78	1.1	11.37	3.8
Heathland and shrub (h)	negligible	negligible	0.1	negligible
Grassland (g)	4.99	3.0	18.65	6.3

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Rivers and lakes (r)	3.46	2.1	6.65	2.2
Segment sub-total	167.78	100	298.64	100
A5 – Ings Drove to Church End Lane (Weston Marsh South of the A52)				
Cropland (c)	221.91	94.86	360.02	90.8
Woodland and forest (w)	0.25	0.1	1.42	0.4
Urban (u)	1.64	0.4	8.88	2.2
Heathland and shrub (h)	0.01	negligible	0.04	negligible
Grassland (g)	8.05	3.4	21.67	5.5
Rivers and lakes (r)	3.1	0.1	6.0	1.5
Wetlands (f)	0.04	Negligible	0.04	negligible
Segment sub-total	235.00	100	398.07	100
WM10 - Church End Lane to The Haven (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	103.15	86.5	165.1	8282.1
Woodland and forest (w)	2.10	1.8	4.1	2.2.0
Urban (u)	1.94	1.6	5.78	2.9
Heathland and shrub (h)	0.07	negligible	0.32	0.6
Grassland (g)	9.21	7.77	19.55	9.7

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Rivers and lakes (r)	1.95	1.6	4.55	2.3
Wetland (f)	2.10	0.6	1.45	0.7
Unclassified	-	-	0.35	0.2
Segment sub-total	120.52	100	201.2	100
WM11 - The Haven to Marsh Road (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	143.96	92.7	243.98	88.7
Woodland and forest (w)	1.12	0.7	4.92	1.8
Urban (u)	0.95	0.6	5.09	1.9
Heathland and shrub (h)	0.06	Negligible	0.08	Negligible
Grassland (g)	4.82	3.1	11.39	4.1
Rivers and lakes (r)	3.59	2.3	6.57	2.3
Unclassified	0.30	0.2	2.15	0.2
Segment sub-total	154.8	100	274.18	100
WM12 - Marsh Road to Fosdyke Bridge (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	137.26	86	198.37	80
Woodland and forest (w)	1.22	1	3.19	1
Urban (u)	2.14	1	7.68	3

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Heathland and shrub (h)	0.81	1	1.43	1
Grassland (g)	11.30	7	25.00	10
Rivers and lakes (r)	3.68	2	5.46	2
Sparsley vegetated land (s)	0.03	0	0.26	0
Marine inlets and transitional waters (t)	2.49	2	3.45	1
Unclassified	0.28	0	2.92	1
Segment sub-total	159.21	100	247.76	100
WM13 - Fosdyke Bridge to Weston Marsh Substation North (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	202.10	92.6	273.02	90.0
Woodland and forest (w)	1.23	0.6	2.30	0.8
Urban (u)	3.63	1.7	6.32	2.1
Grassland (g)	8.12	3.7	13.50	4.5
Rivers and lakes (r)	3.00	1.4	4.86	1.6
Sparsley vegetated land (s)	0.29	0.1	0.38	0.1
Marine inlets and transitional waters (t)	2.07	0.9	7.22	2.4

Level 2 UK Habitat Classification Type	Total Area for each Habitat Type along the PEIR Boundary (ha)	Percentage Total for each Habitat Type along the PEIR Boundary (%)	Total Area for each Habitat Type along the PEIR Boundary and Buffer Zone (ha)	Percentage Total for each Habitat Type along the PEIR Boundary and Buffer Zone (%)
Unclassified	0.23	0.1	0.33	0.1
Segment sub-total	220.67	100	307.93	100
WM14 - Fosdyke Bridge to Weston Marsh Substation South (Weston Marsh North of the A52 and Weston Marsh South of the A52)				
Cropland (c)	349.55	94.7	487.73	89.6
Woodland and forest (w)	1.06	0.3	4.10	0.8
Urban (u)	2.77	0.7	9.34	1.7
Heathland and shrub (h)	0.02	negligible	0.43	0.1
Grassland (g)	4.11	1.1	15.35	2.8
Rivers and lakes (r)	5.94	1.6	12.39	2.8
Wetlands (f)	7.77	2.1	11.99	2.2
Marine inlets and transitional waters (t)	-	-	5.33	1.0
Segment sub-total	371.22	100	546.66	100
Total Habitat Area (Weston Marsh North of the A52)	2556.88	-	4109.50	-
Total Habitat Area (Weston Marsh South of the A52)	2491.23	-	4054.55	-

3.3 Summary

The Initial Habitat Study identified a range of habitats within the Survey Areas for Lincolnshire Node, Weston Marsh ECC North of the A52 and Weston Marsh ECC South of the A52 including cropland with arable field margins, woodland and forest, hedgerows and shrub, grassland, rivers, lakes and ponds. Some of these habitats can be confirmed as Priority Habitats and/or Lincolnshire BAP habitats, and some will be further confirmed during ongoing surveys in 2023.

3.4 References

Butcher, B., Carey, P., Edmonds, R., Norton, L. and Treweek, J. (2020). 'The UK Habitat Classification User Manual Version 1.1' at.

JNCC (2016) Priority Habitats. Available at <https://jncc.gov.uk/our-work/uk-bap-priority-habitats/> [Accessed 17th November 2022].

Lincolnshire Biodiversity Partnership (2011) Lincolnshire Biodiversity Action Plan 2011-2020 (3rd Edition) Available at: [CHttpHandler.ashx \(southkesteven.gov.uk\)](CHttpHandler.ashx(southkesteven.gov.uk)) [Accessed November 2022].

Annex A: Biodiversity Action Plan Definitions

Brief Summaries of the Biodiversity Action Plan (BAP) definitions referred to within the Results Section are provided below. References to the full detailed definitions are provided within each section below.

Arable Field Margins

UKBAP habitat definition for Arable Field Margins includes the following:

‘Cultivated, low-input margins. These are areas within arable fields that are cultivated periodically, usually annually or biennially, but are not sprayed with spring/summer insecticides and not normally sprayed with herbicides (except for the control of injurious weeds or problem grasses such as creeping thistle, black grass, sterile brome or wild oat). Cultivated, low-input margins include conservation headlands and land managed specifically to create habitat for annual arable plants.’

‘Margins sown to provide seed for wild birds. These are margins or blocks sown with plants that are allowed to set seed and which remain in place over the winter. They may be sown with cereals and/or small-seeded broad-leaved plants or grasses but areas sown with maize are excluded as they are of lower value for wild birds.’

‘Margins sown with wild flowers or agricultural legumes and managed to allow flowering to provide pollen and nectar resources for invertebrates’.

‘Margins providing permanent, grass strips with mixtures of tussocky and fine-leaved grasses. Areas of grass established as cross compliance requirements (see below) are excluded from this definition, but all other strips of grassland created by sowing or natural regeneration, such as field margins or beetle banks, are included.’

Fuller descriptions of the types of field margins included are provided in the UK BAP (JNCC, Website).

Within the Lincolnshire BAP the term ‘*arable field margin*’ is used to mean ‘*a planned strip of uncropped land lying between a crop and the field boundary (in addition to cross compliance requirements), that is deliberately managed to benefit biodiversity, with the added benefit of protecting boundary habitats from nutrient run-off. It also refers to uncropped plots and headlands within fields. Four types of margin are included in this definition: cultivated, low-input margins; margins sown to provide food for wild birds; margins sown to provide pollen and nectar for invertebrates; permanent grassy margins*’.

Hedgerows

A summary of the UKBAP definition for a hedgerow is provided below.

‘A hedgerow is defined as any boundary line of trees or shrubs over 20m long and less than 5m wide, and where any gaps between the trees or shrub species are less than 20m wide. Any bank, wall, ditch or tree within 2m of the centre of the hedgerow is considered to be part of the hedgerow habitat, as is the herbaceous vegetation within 2m of the centre of the hedgerow. All hedgerows consisting predominantly (i.e., 80% or more cover) of at least one woody UK native species are covered by this priority habitat, where each UK country can define the list of woody species native to their respective country’.

The Lincolnshire BAP definition is more generic, stating that: ‘*Hedgerows are linear strips of shrubs and trees often associated with features such as ditches, banks and grass verges. They resemble woodland edge and scrub habitats and may contain relics of ancient woodland vegetation.*’

Standing Open Waterbodies

The Lincolnshire BAP describes standing open waterbodies to ‘*comprise a range of habitat types, both natural and artificial. Ponds are generally defined as small bodies of water – between 1m² and 2ha in area – which hold water for more than four months in a year. Anything larger than 2ha is defined as a lake. Small ponds make up the majority of waterbodies in the UK.*

Artificial stillwaters include reservoirs and ponds of many types (fishing ponds, public amenities, supply reservoirs, etc). They also include ponds and lakes created by flooding of old industrial sites, such as quarries, gravel pits or old brick clay workings. Other stillwaters occur as a result of all manner of natural processes, including depressions created by glacial action or buckling of strata, exposure of aquifer surfaces, or fluvial processes, for example, ox-bows, where meanders are cut-off by sediment deposition. In addition to permanent waterbodies, ponds that seasonally dry out are important for a variety of species of conservation concern, adapted to ephemeral habitats.'

The UKBAP definitions further subcategorise this definition into the following: 'Oligotrophic and Dystrophic Lakes', 'Ponds', 'Mesotrophic Lakes', 'Eutrophic Standing Waters', and 'Aquifer Fed Naturally Fluctuating Water Bodies.' A summary for each of these habitat definitions are provided below.

Oligotrophic and Dystrophic Lakes

The UK BAP Priority definition states '*Oligotrophic and dystrophic lakes are water bodies mainly more than 2ha in size which are characterised by their low nutrient levels and low productivity. Their catchments usually occur on hard, acid rocks, most often in the uplands. This habitat type encompasses a wide range of size and depth, and includes the largest and deepest water bodies in the UK. Good examples may support some of the least disturbed aquatic assemblages in the UK. Oligotrophic lakes usually have very clear water, whilst some examples with dystrophic characteristics have peat-stained waters. Characteristic plankton, zoobenthos, macrophyte and fish communities occur, including several UK BAP species and species of economic importance. Fish communities, generally dominated by salmonids, may include charr (*Salvelinus alpinus* and *Coregonus* spp.). A number of benthic and planktonic invertebrates, found only in oligotrophic lakes, are possibly glacial relicts. Macrophytes are typically sparse, with species such as shoreweed (*Littorella uniflora*) and quillwort (*Isoetes* spp.). Shores are typically stony, and emergent vegetation is generally restricted to sheltered bays, where species such as bottle sedge (*Carex rostrata*) and bulrush (*Scirpus lacustris*) may be found. Oligotrophic and dystrophic lakes support a range of UK BAP priority species and other species listed on Annexes of the Habitats and Birds Directives (e.g. slender naiad (*Najas flexilis*), salmon (*Salmo salar*), common scoter (*Melanitta nigra*), black-throated diver (*Gavia arctica*), and otter (*Lutra lutra*)).'*

Ponds

The UK BAP Priority definition states that ponds 'are defined as permanent and seasonal standing water bodies up to 2ha in extent, which meet one or more of the following criteria:

'Habitats of international importance: Ponds that meet criteria under Annex I of the Habitats Directive.

Species of high conservation importance: Ponds supporting Red Data Book species, UK BAP species, species fully protected under the Wildlife and Countryside Act Schedule 5 and 8, Habitats Directive Annex II species, a Nationally Scarce wetland plant species, or three Nationally Scarce aquatic invertebrate species.

Exceptional assemblages of key biotic groups: Ponds supporting exceptional populations or numbers of key species. Based on (i) criteria specified in guidelines for the selection of biological SSSIs (currently amphibians and dragonflies only), and (ii) exceptionally rich sites for plants or invertebrates (i.e., supporting ≥ 30 wetland plant species or ≥ 50 aquatic macroinvertebrate species).

Ponds of high ecological quality: Ponds classified in the top PSYM category ("high") for ecological quality (i.e., having a PSYM score $\geq 75\%$). [PSYM (the Predictive System for Multimetrics) is a method for assessing the biological quality of still waters in England and Wales; plant species and/or invertebrate families are surveyed using a standard method; the PSYM model makes predictions for the site based on environmental data and using a minimally impaired pond dataset; comparison of the prediction and observed data gives a % score for ponds quality].

Other important ponds: Individual ponds or groups of ponds with a limited geographic distribution recognised as important because of their age, rarity of type or landscape context (e.g. pingos, duneslack ponds, machair ponds).'

Mesotrophic Lakes

The UK BAP Priority definition states that Mesotrophic lakes are *'relatively infrequent in the UK and largely confined to the margins of upland areas in the north and west. They are characterised by having a narrow range of nutrients, the main indicative ones being inorganic nitrogen (N) and total phosphorus (P). Typically, mesotrophic lakes have nutrient levels of 0.3–0.65 mgNI-1 and 0.01–0.03 mgPI-1. Whilst such levels simplify the complex interaction between plant nutrients and the hydrological and physical characteristics of individual lakes (for instance, virtually all available nutrients are 'locked up' in algae during the growing season), they serve to show the sensitivity of the trophic state to artificially increased levels of nitrogen and phosphorus. Thus, this is an increasingly rare type of lake. Several of the largest and most important lakes in the UK, including Lough Neagh and Lower Lough Erne were once mesotrophic but are now classified as eutrophic and not included in this action plan. Two existing large mesotrophic lakes, Lough Melvin and Upper Lough MacNea straddle the international border with the Republic of Ireland.'*

In addition, *'Mesotrophic lakes potentially have the highest macrophyte diversity of any lake type. Furthermore, relative to other lake types, they contain a higher proportion of nationally scarce and rare aquatic plants. Macroinvertebrates are well represented, with particularly important groups being dragonflies, water beetles, stoneflies and mayflies. Rare fish, of which only three species are found in UK lakes, are well represented in mesotrophic lakes... In general, fish communities in mesotrophic lakes are a mix of coarse and salmonid species, but today there are few truly natural assemblages due to introduced species.'*

Eutrophic Standing Waters

'Eutrophic standing waters are highly productive because plant nutrients are plentiful, either naturally or as a result of artificial enrichment. These water bodies are characterised by having dense, long-term populations of algae in mid-summer, often making the water green. Their beds are covered by dark anaerobic mud, rich in organic matter. The water column typically contains at least 0.035mgL-1 total phosphorus (which includes phosphorus bound up in plankton and 0.5mgL-1 or more total inorganic nitrogen (mainly in the form of dissolved nitrates) ... Eutrophic waters are most typical of hard water areas of the lowlands of southern and eastern Britain, but they also occur in the north and west, especially near the coast.'

Aquifer Fed Naturally Fluctuating Water Bodies

Such waterbodies are defined as *'natural water bodies which have an intrinsic regime of extreme fluctuation in water level, with periods of complete or almost complete drying out as part of the natural cycle. They have no inflow or outflow streams at the surface, except at times of very high water level, when temporary out-flows may develop. Instead, they are directly connected to the underlying groundwater system and periodically empty and are recharged via swallow holes or smaller openings in their beds.'*

Rivers and streams

The UK BAP definition includes a wide range of river types and encompasses all natural and near natural running waters in the UK. Numerous natural factors influence the ecology of a watercourse, with many of these changing as the water flows from source to sea or lake, with human activities adding further complexity to this picture.

In light of this, although various classifications and typologies for rivers exist, none are considered adequate for identifying a comprehensive series of specific priority types for Rivers, and as such, the UKBAP Habitat definition includes a broad river classification (which includes chalk rivers). However, work has been conducted to refine the criteria to identify the priority habitat. See below criteria taken from the UKBAP Habitat definition.

'River water bodies will qualify as BAP priority habitat either because they are considered to be near-natural, or because they fulfil one or more specific criteria relating to BAP priority species or to particular habitat types. ...As a significant proportion of the running water resource in the UK is likely to qualify, achievable priorities will need to be set for action... The list of qualifying criteria is as follows...'

- *Riverine water bodies of high hydromorphological/ecological status. The Environment Agency, the Northern Ireland Environment Agency and the Scottish Environmental Protection Agency have developed criteria and rules to identify such water bodies (<http://www.wfduk.org/resources%20/river-morphology-high-status-features-and-criteria>).*
- *Headwaters. To qualify as a priority habitat for 'Rivers' under the criterion of 'headwaters' a stream must be: a watercourse within 2.5km of its furthest source as marked with a blue line on Ordnance Survey (OS) maps at a scale of 1:50,000. Note that each tributary of a river will have its own headwater, so there will be more than one (sometimes many more) per catchment. Headwaters which have been significantly altered from their natural state are however not included.*
- *Occurrence of the EC Habitat Directive Annex I habitat (H3260 Water courses of plain to montane levels with the *Ranunculus fluitantis* and *Callitriche-Batrachion* vegetation). The definition will include (but not be confined to) all river SACs designated for the feature.*
- *Chalk Rivers as given in the existing BAP definition.*
- *Active shingle rivers. Data for this can come from River Habitat Surveys (Environment Agency 2003) or indicator species of invertebrate (see criterion 7).*
- *A/SSSIs (Areas/Sites of Special Scientific Interest) designated for river species, riverine features or fluvial geomorphology.*
- *Species including:*
 - *Annex II Habitats Directive species 3*
 - *BAP priority species*
 - *Invertebrate species which are strongly indicative of river shingle*
- *See the list of qualifying species, Annex 1. To qualify, an ECS or WFD water body needs to have either:*
 - *records of any one species from criterion levels A (BAP priority species strongly dependent on river habitat quality) or C (non-BAP priority species, indicative of shingle rivers), or*
 - *from criterion level B (widespread BAP priority species which are less dependent on river habitat quality alone), records of six or more species. This threshold has been selected by looking at available records for all criteria and identifying a level which returns a manageable proportion of the rivers network.'*

It is important to note that the UKBAP Habitat criteria also makes allowance for where English, Northern Irish, Scottish or Welsh country biodiversity groups have signed off their own lists of BAP priority species, including species which are not in the UK list, should these species be present within the rivers, then such rivers can qualify for these species using criteria agreed at country level.

Also included within the UBAP Habitat Definition for River is the criteria for chalk rivers. Such rivers have a characteristic plant community, often dominated by water crowfoot (*Ranunculus penicillatus* var. *pseudofluitans*) and starworts (*Callitriche obtusangula* and *C.platycarpa*) within the middle of the channel, and along the edges by watercress (*Rorippa nasturtium-aquaticum*) and lesser water-parsnip (*Berula erecta*). They generally have low banks which support further water-loving flora. The rivers are known to support rich diversity of invertebrate life and fisheries. Annex II species the rivers support include brown trout (*Salmo trutta*), brook lamprey (*Lampetra planeri*), salmon (*Salmo salar*), crayfish (*Austropotamobius pallipes*), and otter (*Lutra lutra*).

Further information regarding this UK BAP Habitat is available at: [Rivers \(UK BAP Priority Habitat description\) \(incc.gov.uk\)](https://www.incc.gov.uk/river-habitat/).

The Lincolnshire BAP separates the Rivers into Chalk and blow streams priority habitat and rivers, canals, and drains priority habitat. Other wetland habitat listed under the BAP includes Fens; Ponds, lakes, and reservoirs; reedbeds and bittern (*Botaurus stellais*); and springs and flushes.

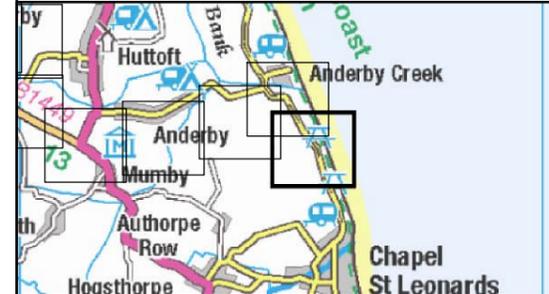
The BAP defines *chalk* rivers as *'fed from groundwater aquifers, producing clear waters and a generally stable flow and temperature regime. These conditions support a rich diversity of animals (including lamprey, brown trout, grayling and otter) and a characteristic calcicole (lime-loving) flora. Most may exhibit seasonal drying in their upper reaches due to lack of rainfall recharging the aquifer, but many also experience this due to drawdown due to abstraction pressure.'* Whilst blow wells are defined as *'Blow wells are an unusual feature of the hydrogeology of north-east Lincolnshire. They are chalk-water springs occurring where high groundwater pressure has forced a flow path upward through the confining boulder clay and gravel⁶⁹. Like chalk streams, blow wells also have characteristic associated flora and fauna, but their status as geological features make them worthy of protection in their own right.'*

The Lincolnshire BAP Habitat Action Plan for Rivers covers all Lincolnshire's watercourses – natural, modified, and man-made. The only exception is chalk rivers which are covered within their own Habitat Action Plan

Figure 21.2.1: Lincolnshire Node - Habitats with PEIR Boundary



- ### 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**
- 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 21.2.1.1



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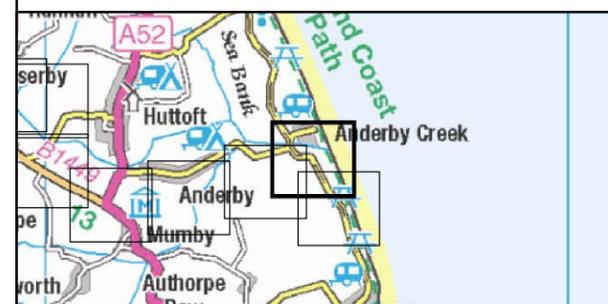


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- ### Legend
- Onshore PEIR Boundary
 - Onshore PEIR Boundary Lincolnshire Node
 - 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and Streams**
 - r2 - 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
 - u1b5 - Building
 - Woodland and Forest - Broadleaved Mixed and Yew Woodland**
 - w1 - Broadleaved Mixed and Yew Woodland



Coordinate System: British National Grid
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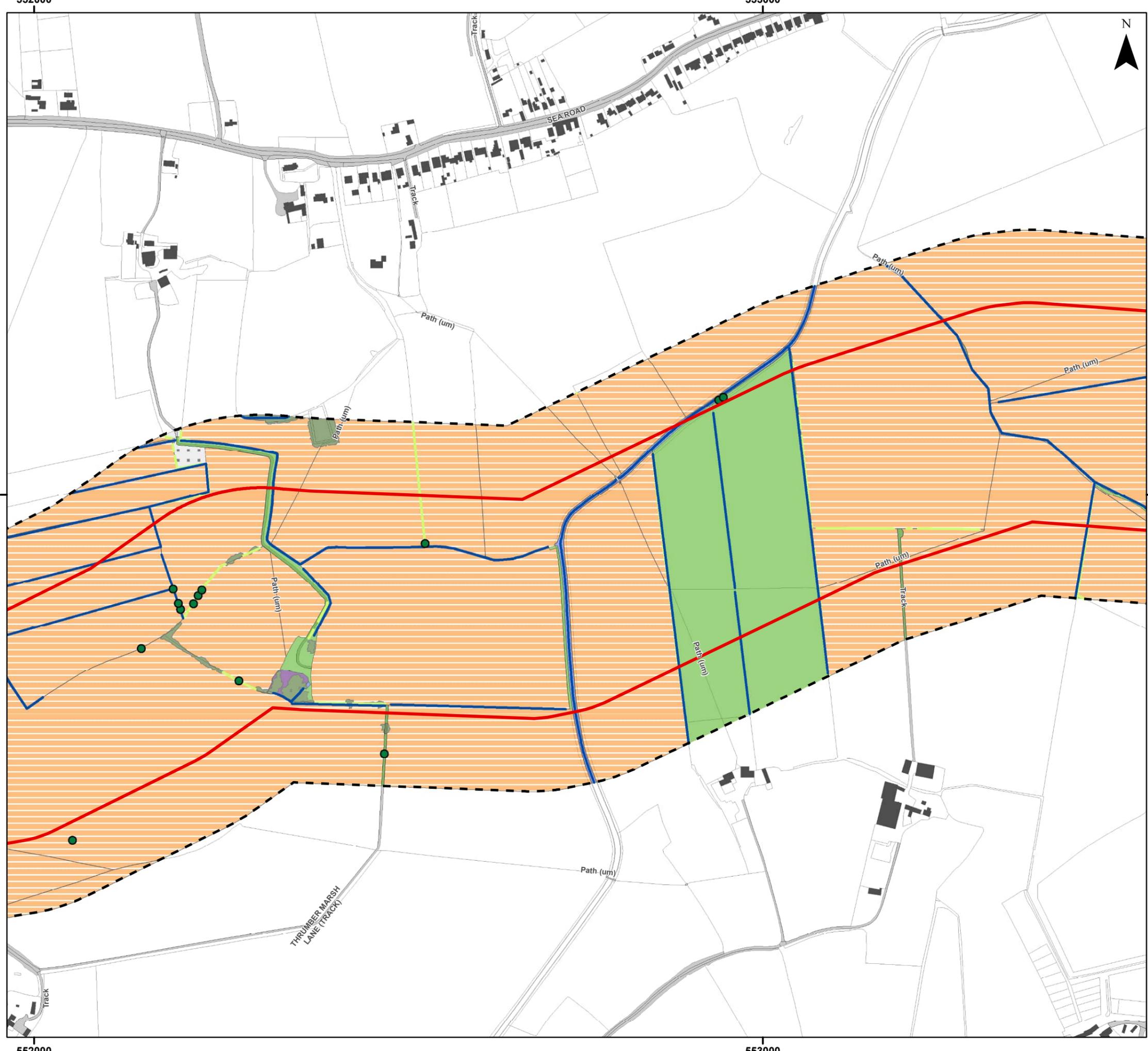
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Preliminary Environmental Information Report
 Lincolnshire Node
 Habitats within PEIR Boundary

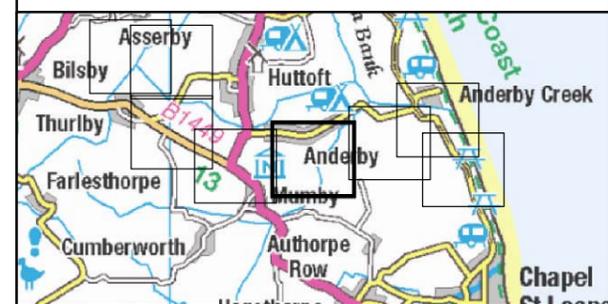
Figure 21.2.1.2



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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**
 - 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
 Lincolnshire Node
 Habitats within PEIR Boundary
 Figure 21.2.1.4





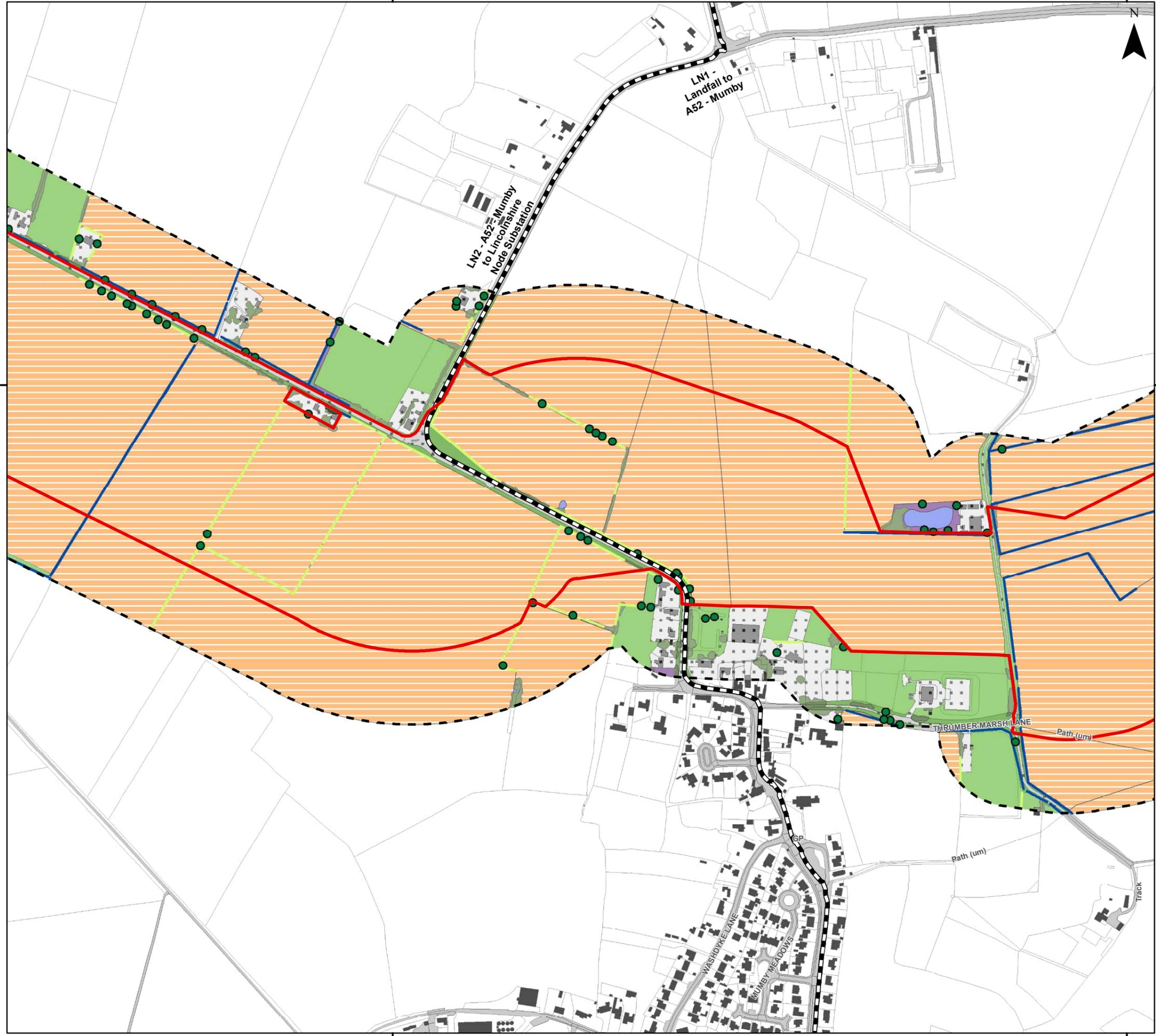
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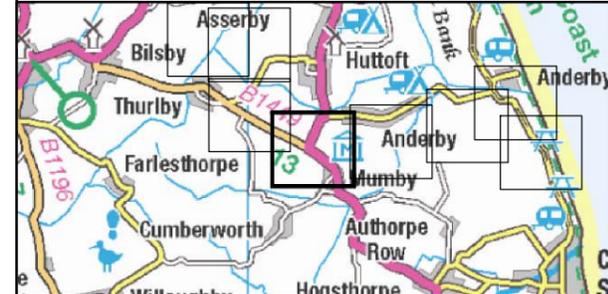
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Legend

-  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
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 Lincolnshire Node
 Habitats within PEIR Boundary
 Figure 21.2.1.5



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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

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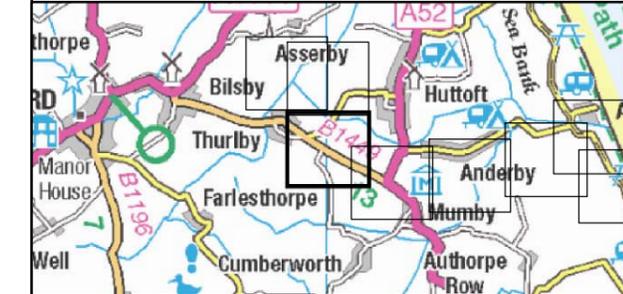
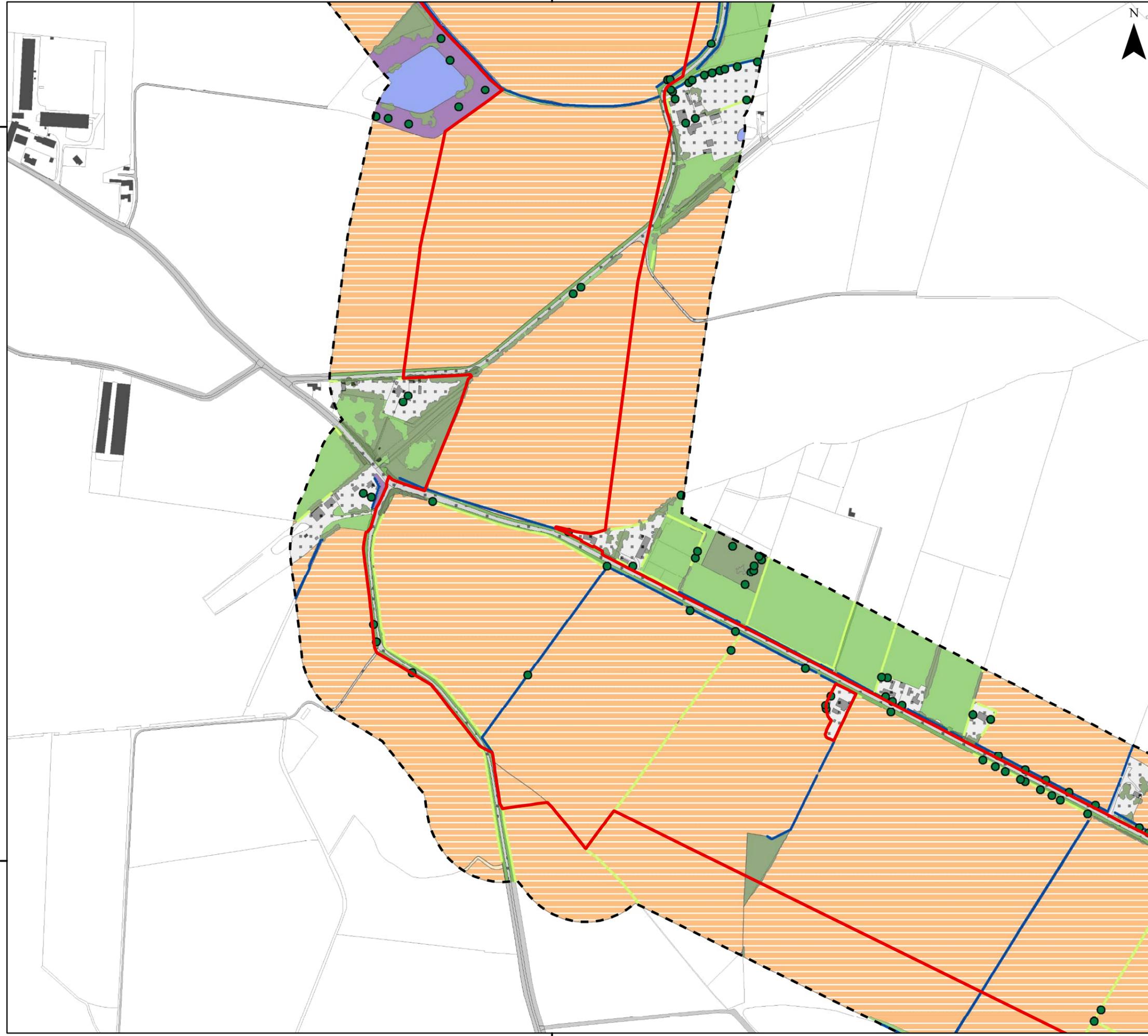
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Preliminary Environmental Information Report
 Lincolnshire Node
 Habitats within PEIR Boundary
 Figure 21.2.1.6



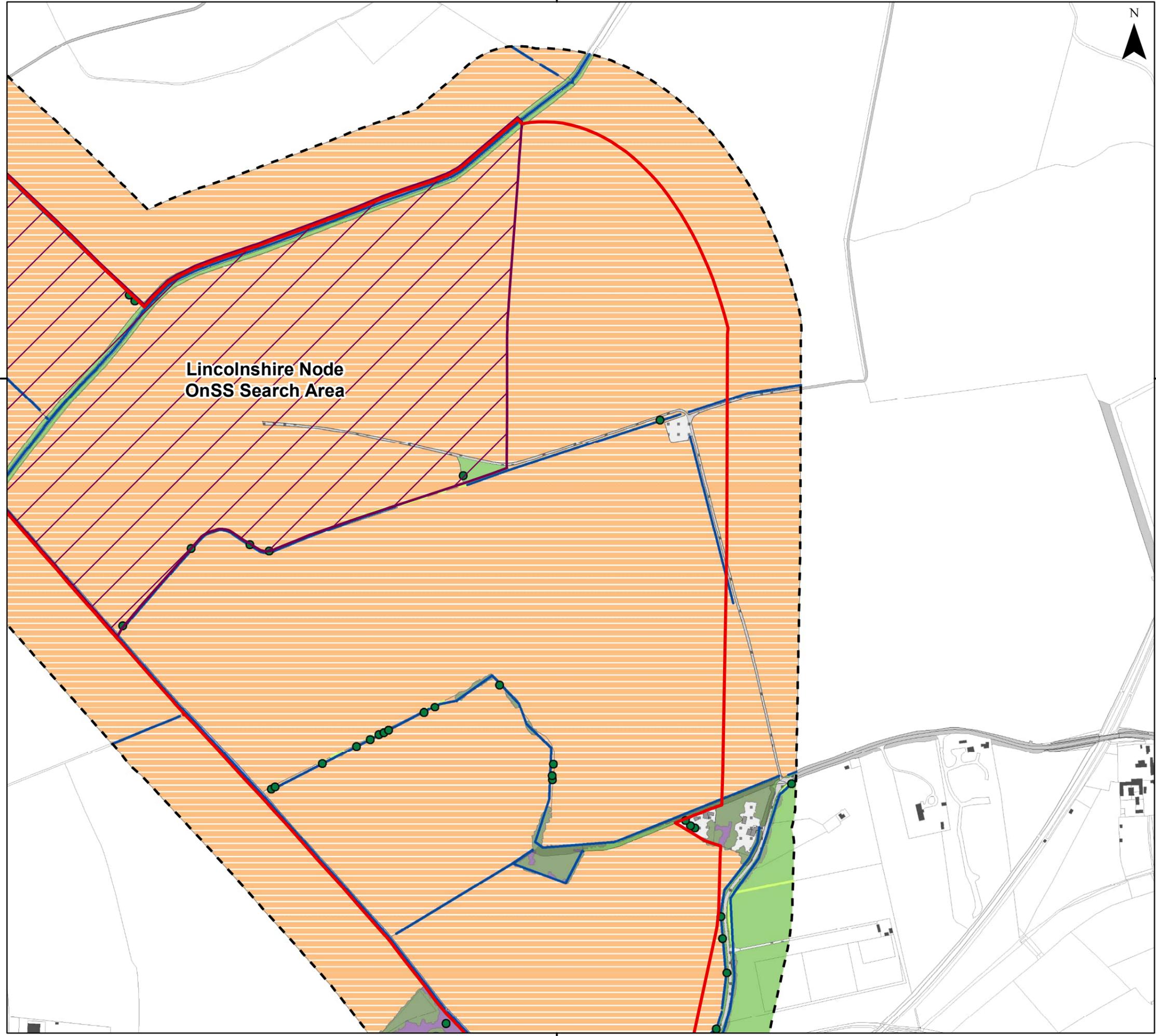
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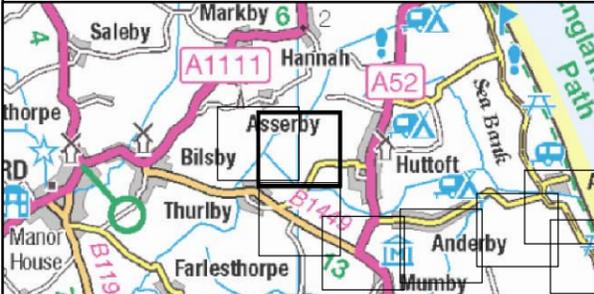
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Lincolnshire Node
OnSS Search Area

Legend

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



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Preliminary Environmental Information Report
 Lincolnshire Node
 Habitats within PEIR Boundary
 Figure 21.2.1.7



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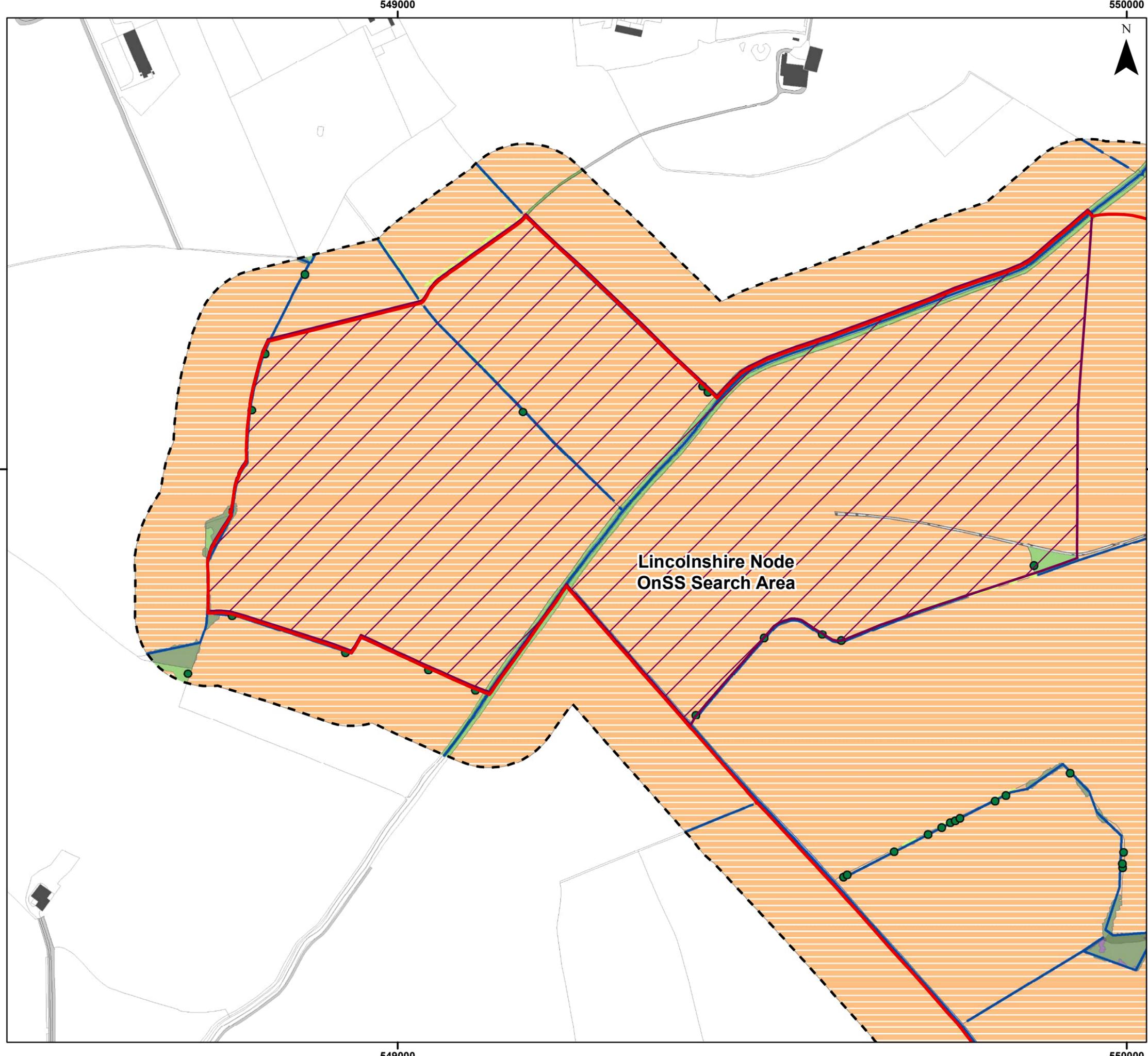


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Legend

- Onshore PEIR Boundary
- Lincolnshire Node OnSS Search
- 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

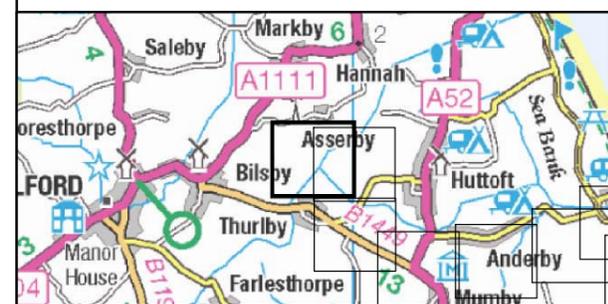
- r - Rivers and Lakes
- r2 - Rivers and Streams

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



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0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Lincolnshire Node
Habitats within PEIR Boundary

Figure 21.2.1.8

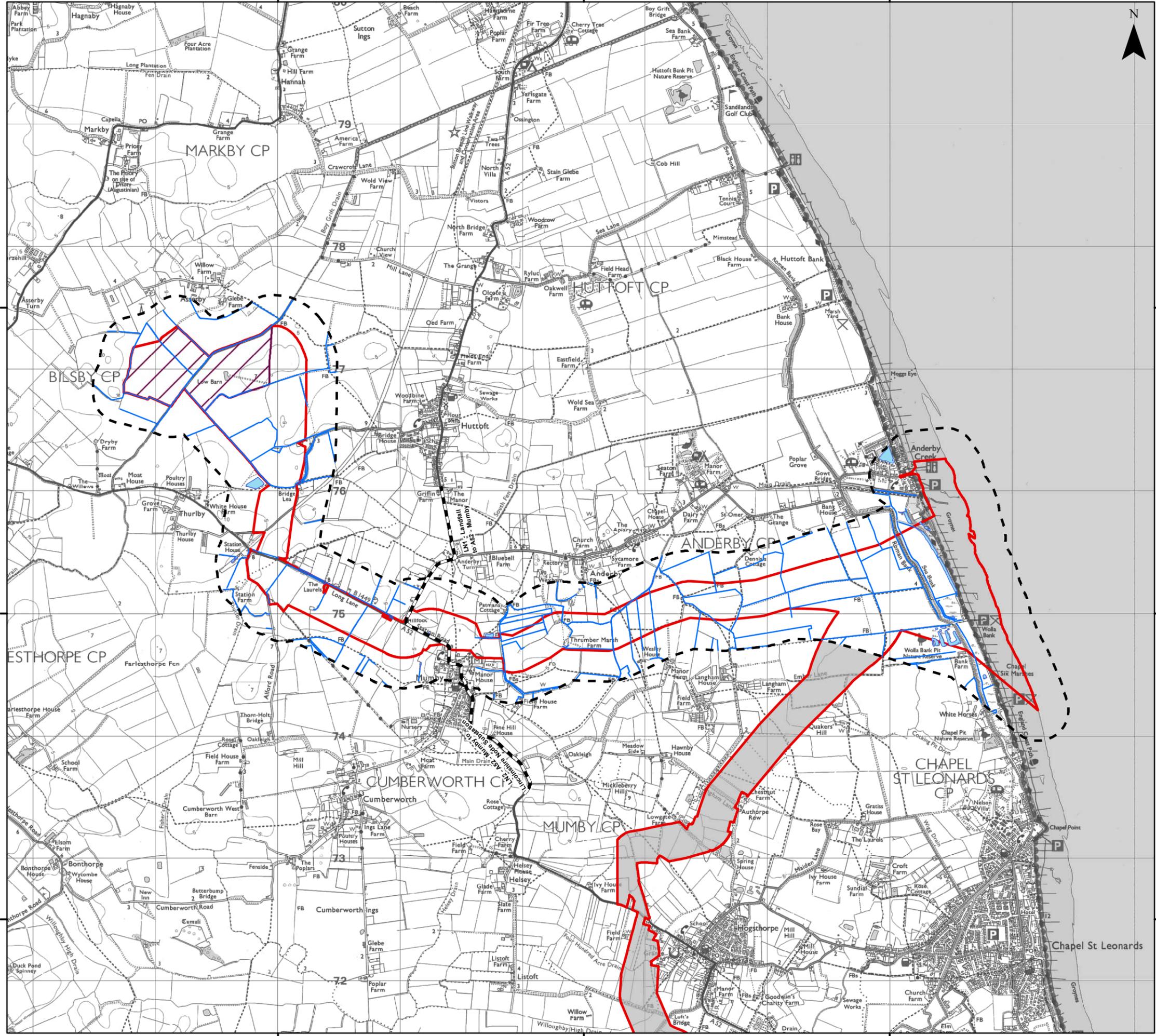


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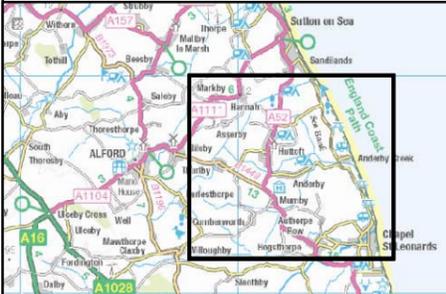
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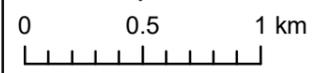
Legend

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

Sources:



Coordinate System: British National Grid



Scale: 1:30,000

Preliminary Environmental Information Report

Lincolnshire Node
Watercourses and Waterbodies within
250m of PEIR Boundary
Figure 21.2.3



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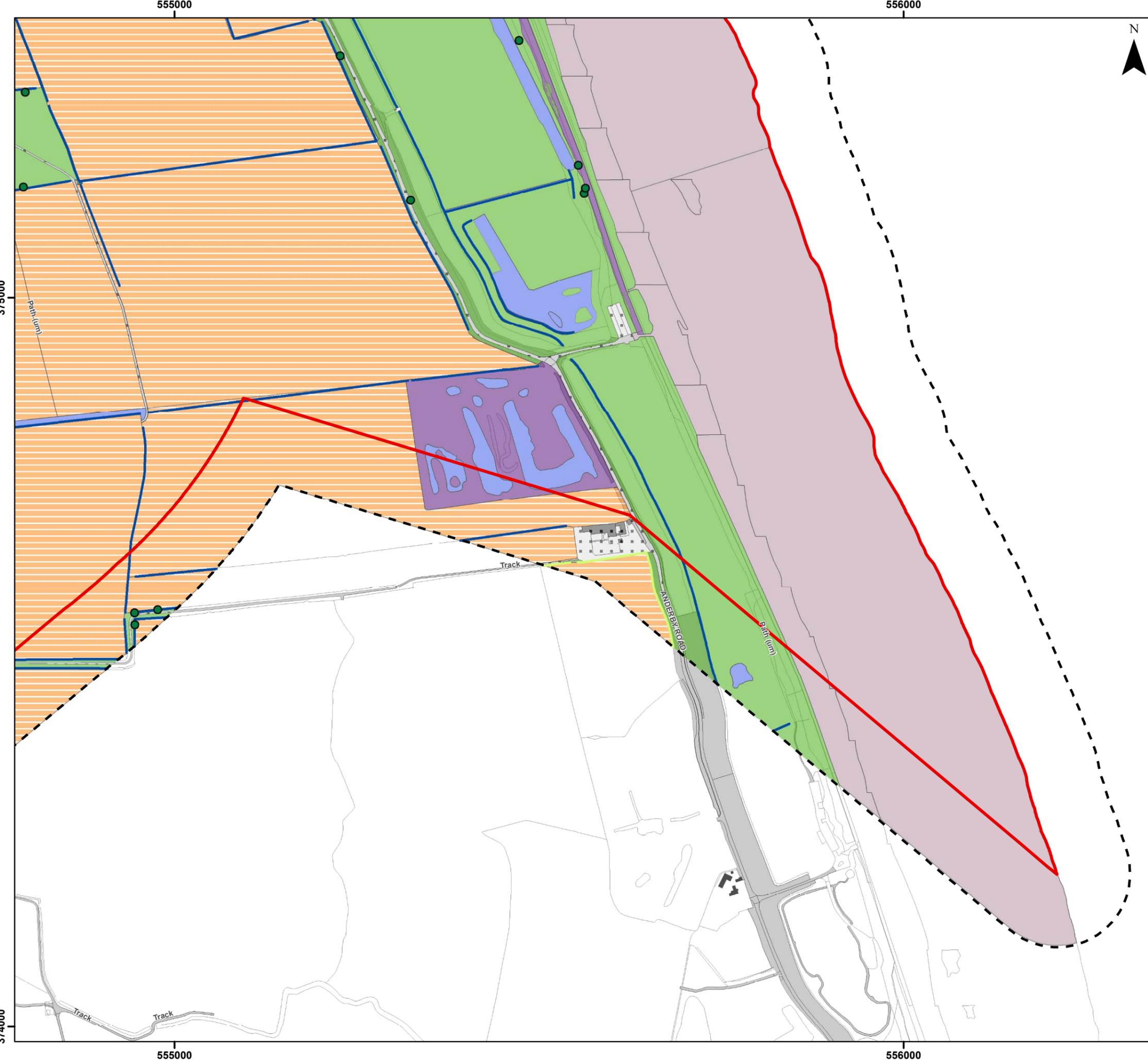
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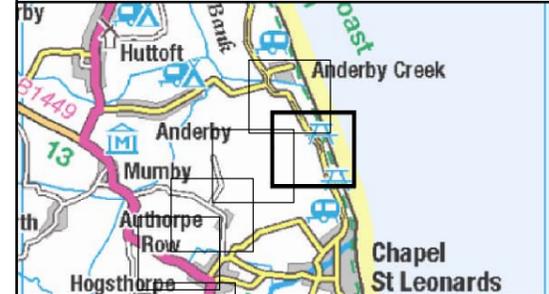
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Legend

- 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
- 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 21.2.2.1



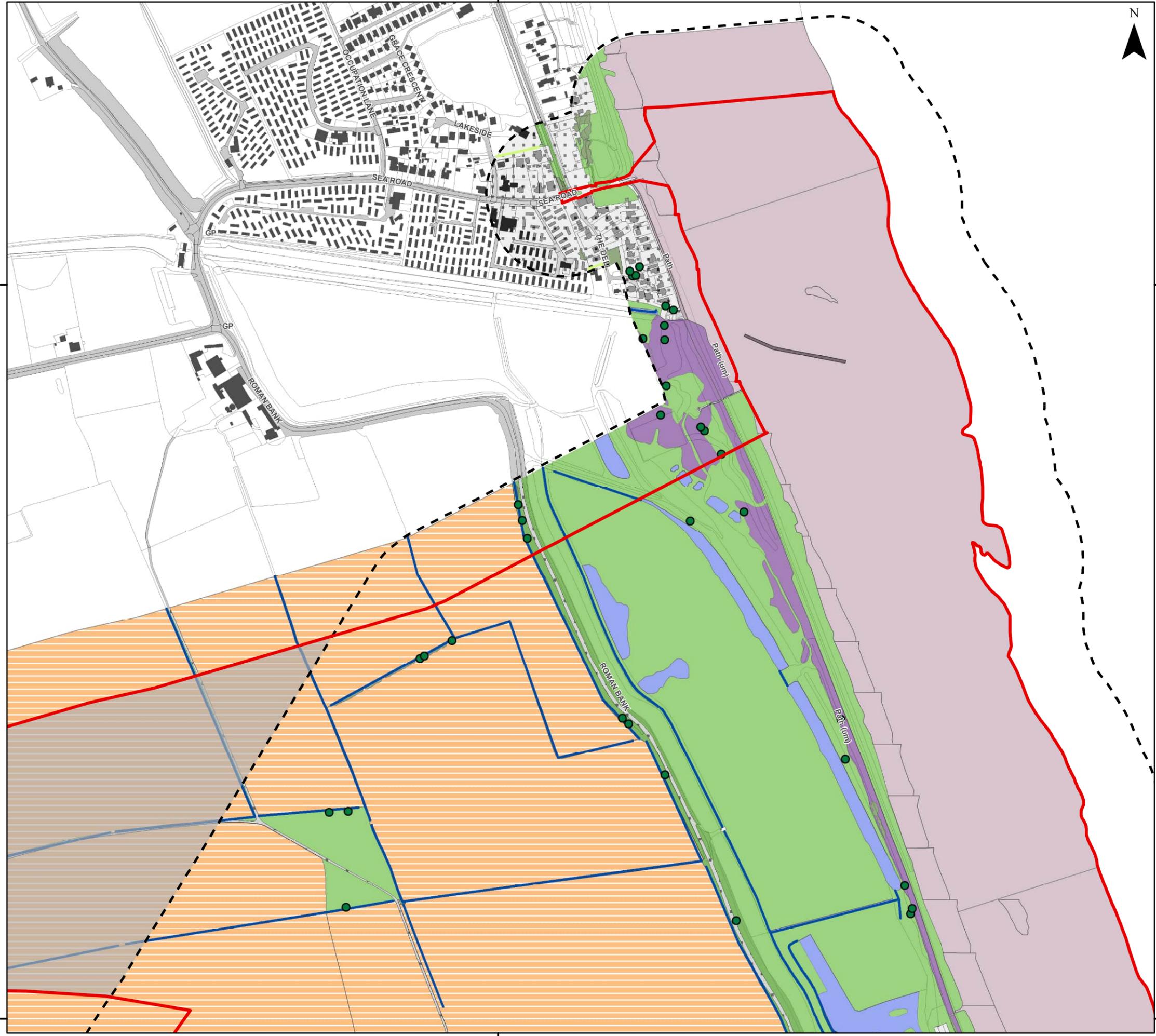
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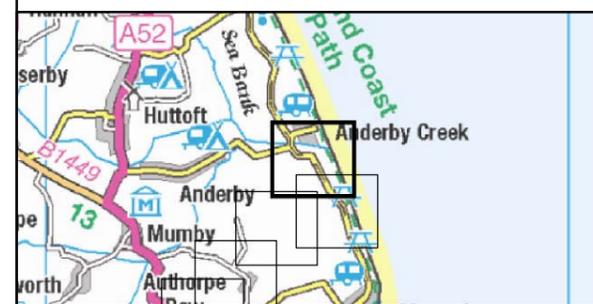
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Legend

- 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

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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.2



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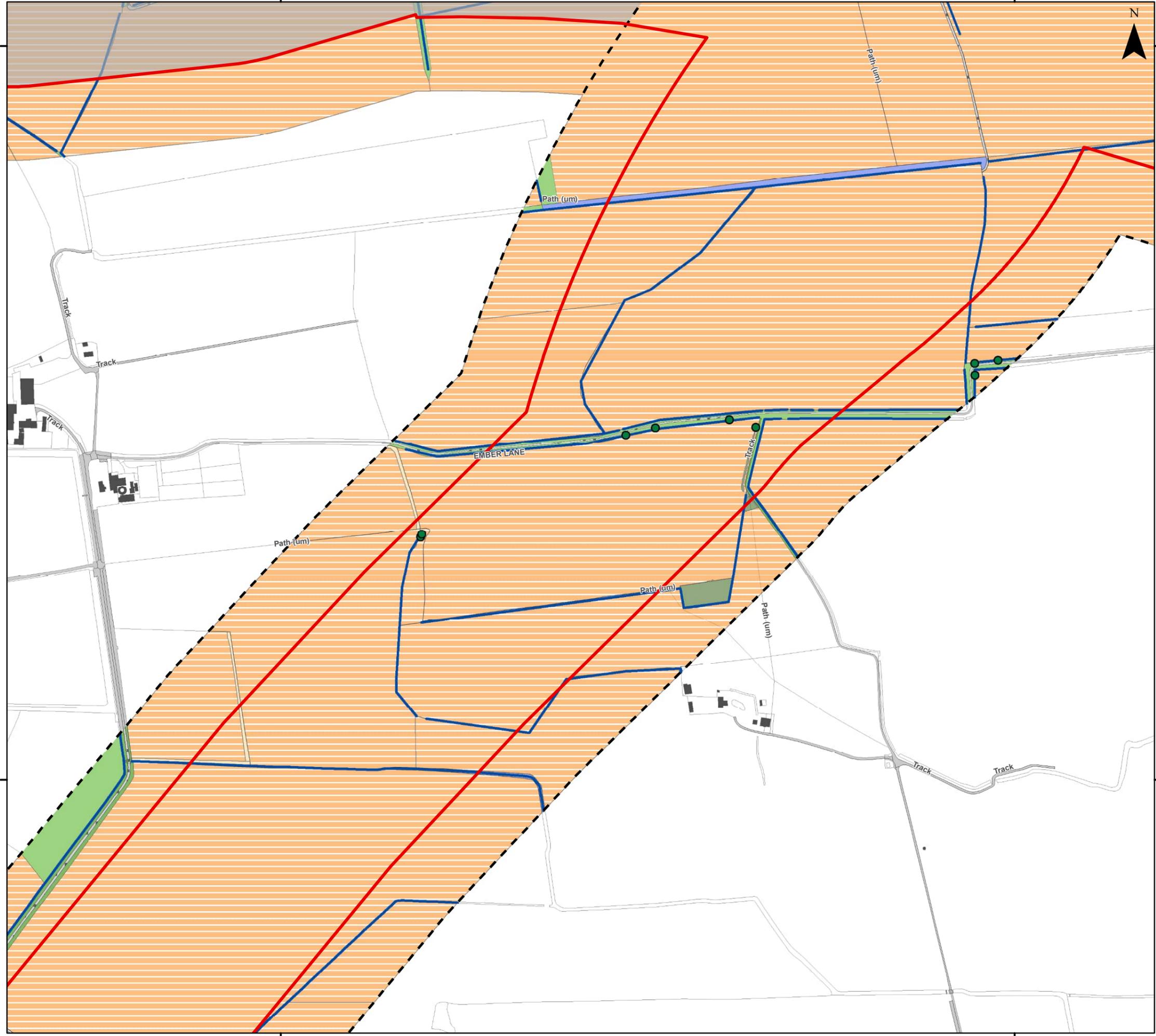
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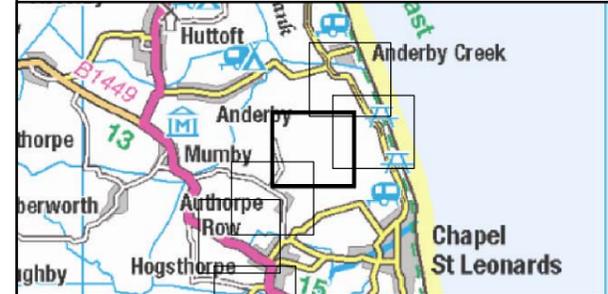
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Legend

- 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

0 125 250 Metres

Scale: 1:5,000

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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.3



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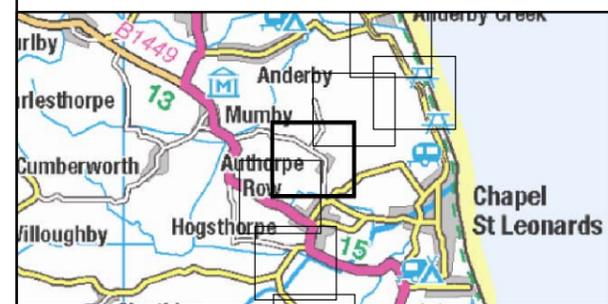


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Legend

- 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
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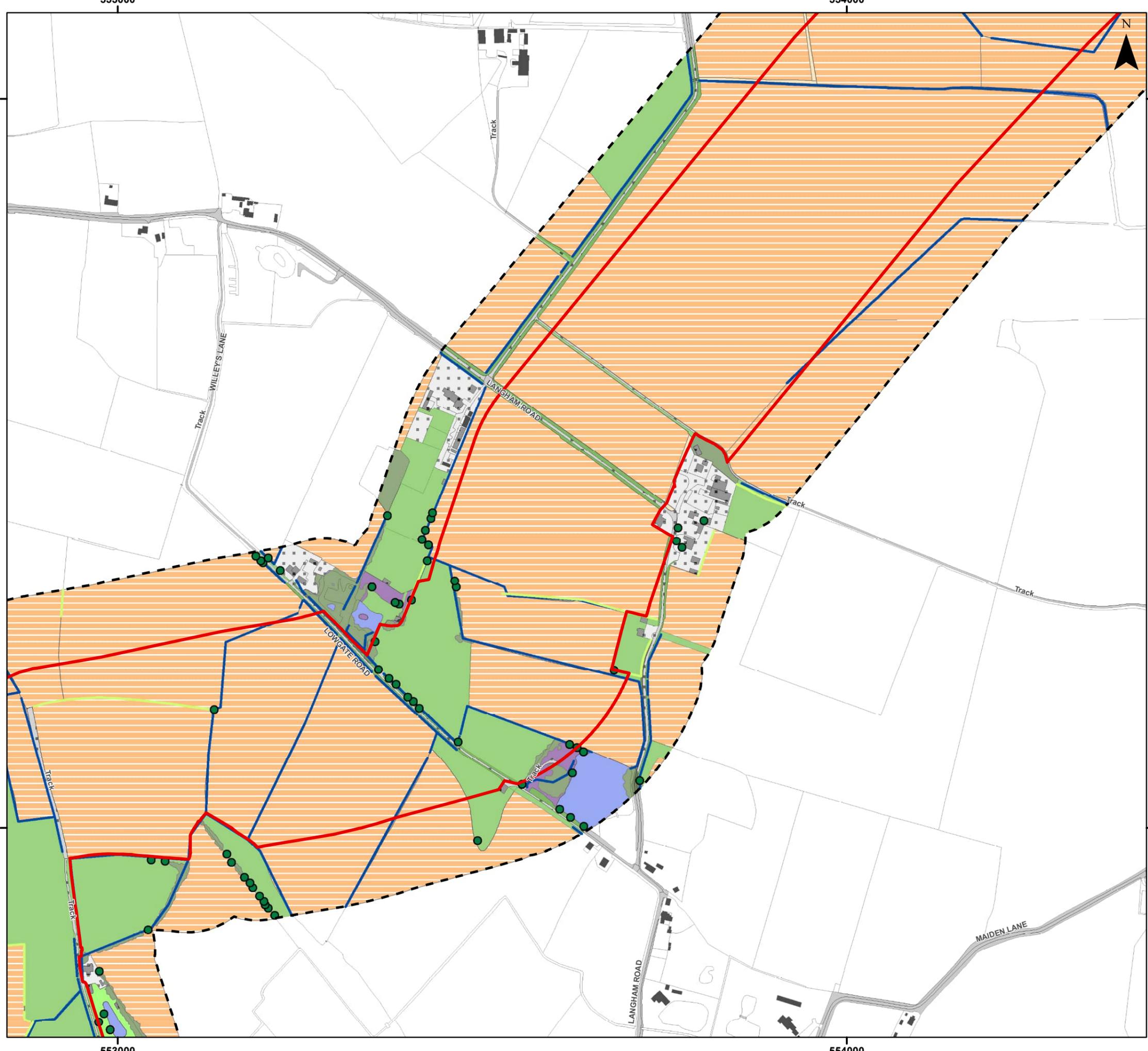
Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.4



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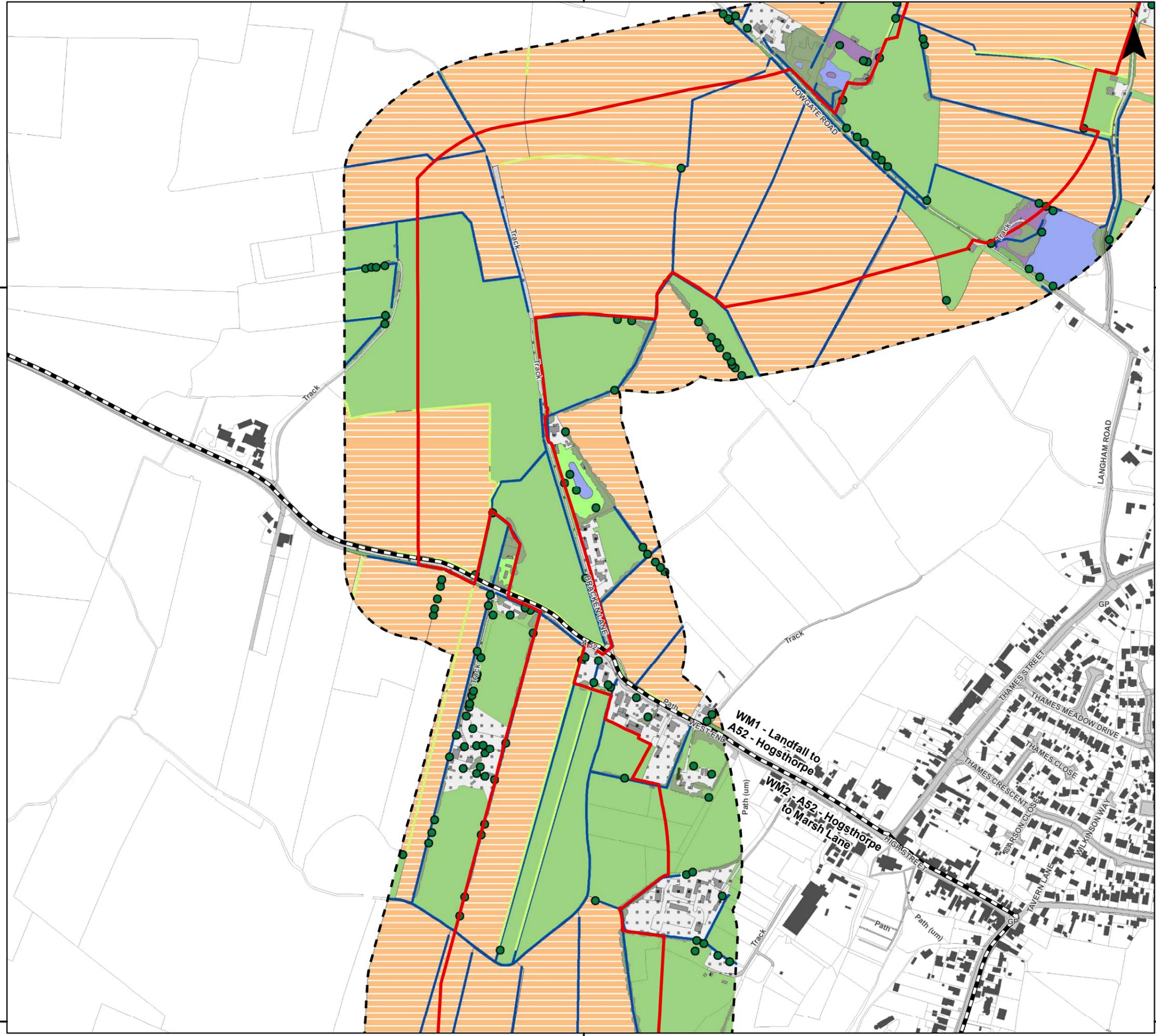
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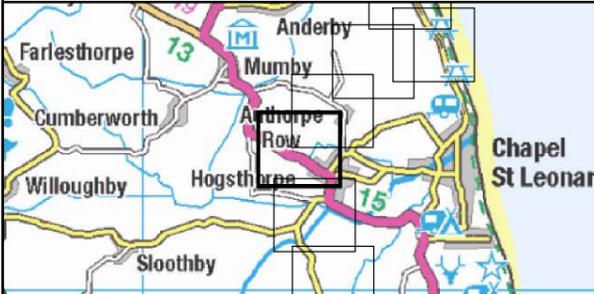
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Legend

- 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
- 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

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Weston Marsh Habitats within PEIR Boundary

Figure 21.2.2.5



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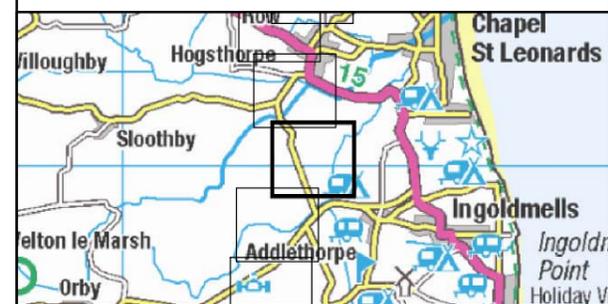


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- Legend**
- Onshore PEIR Boundary
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and Streams**
 - r2 - 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

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.7

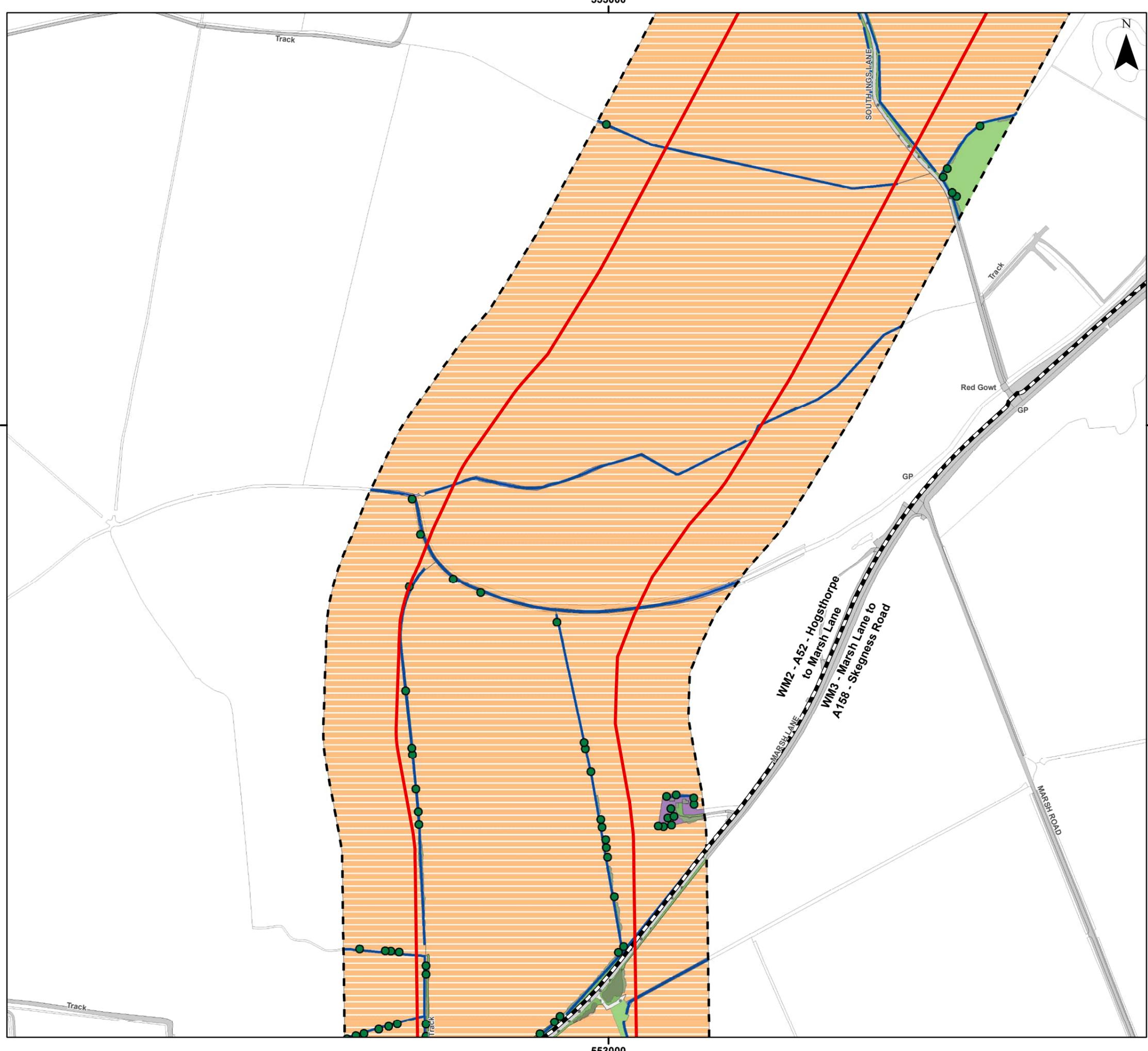


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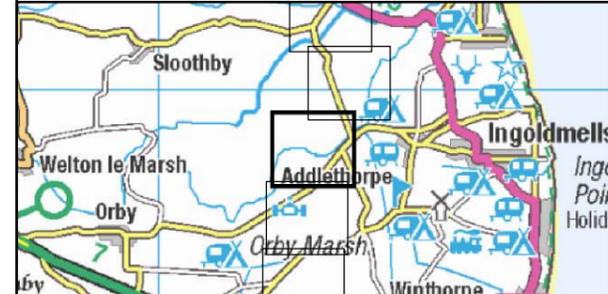
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Legend

- 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
- 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

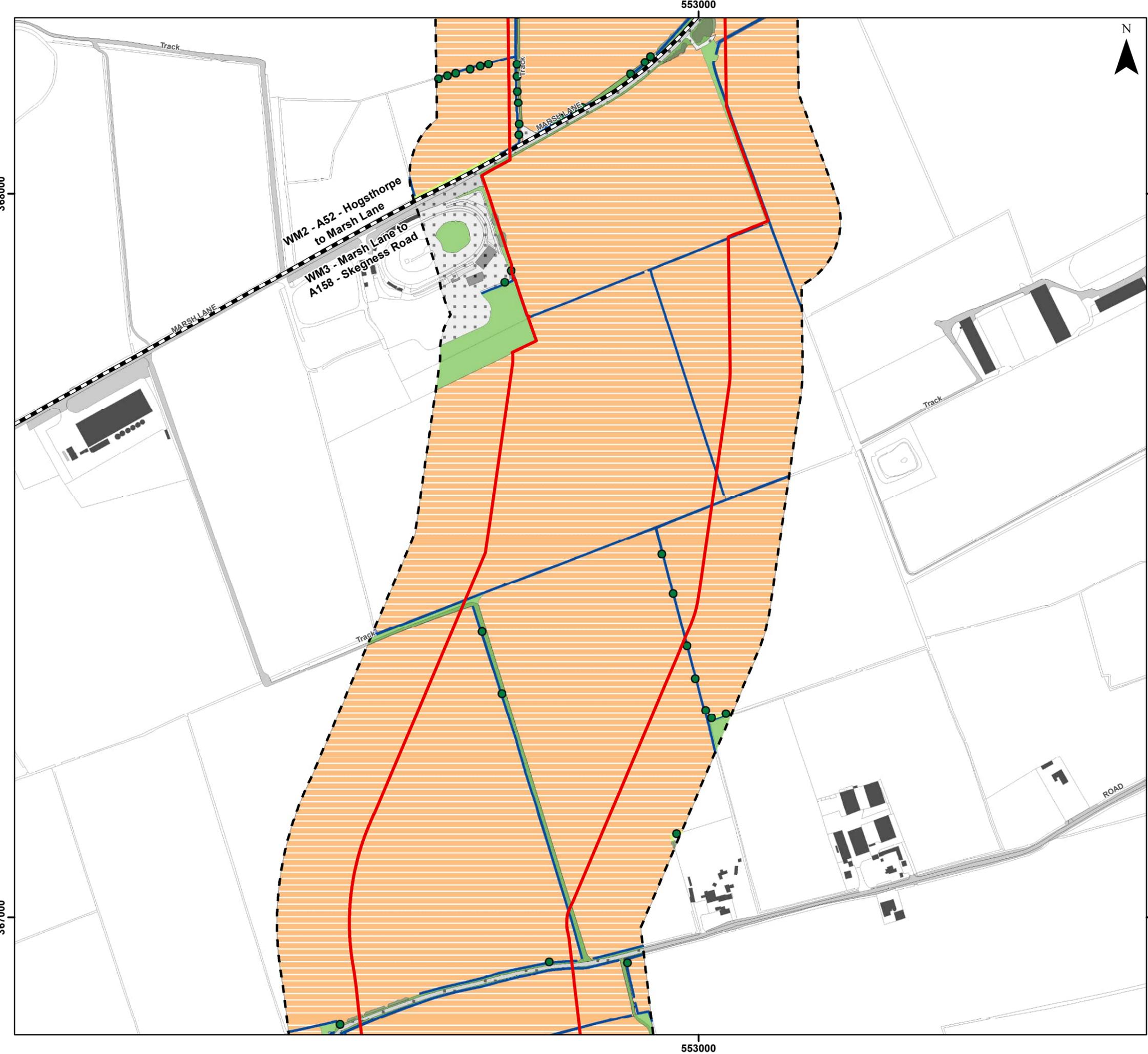


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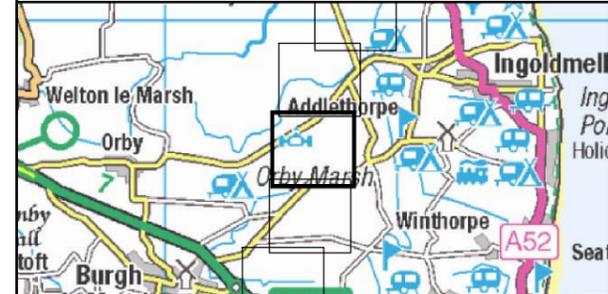
Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.8



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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 21.2.2.9



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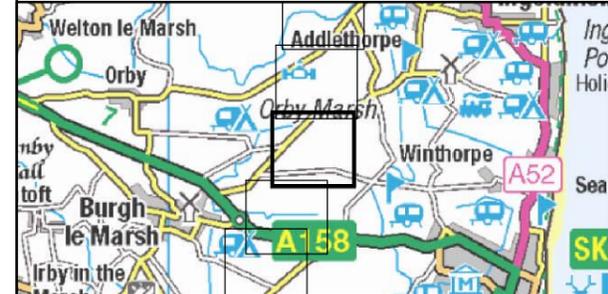
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Legend

- 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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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.10



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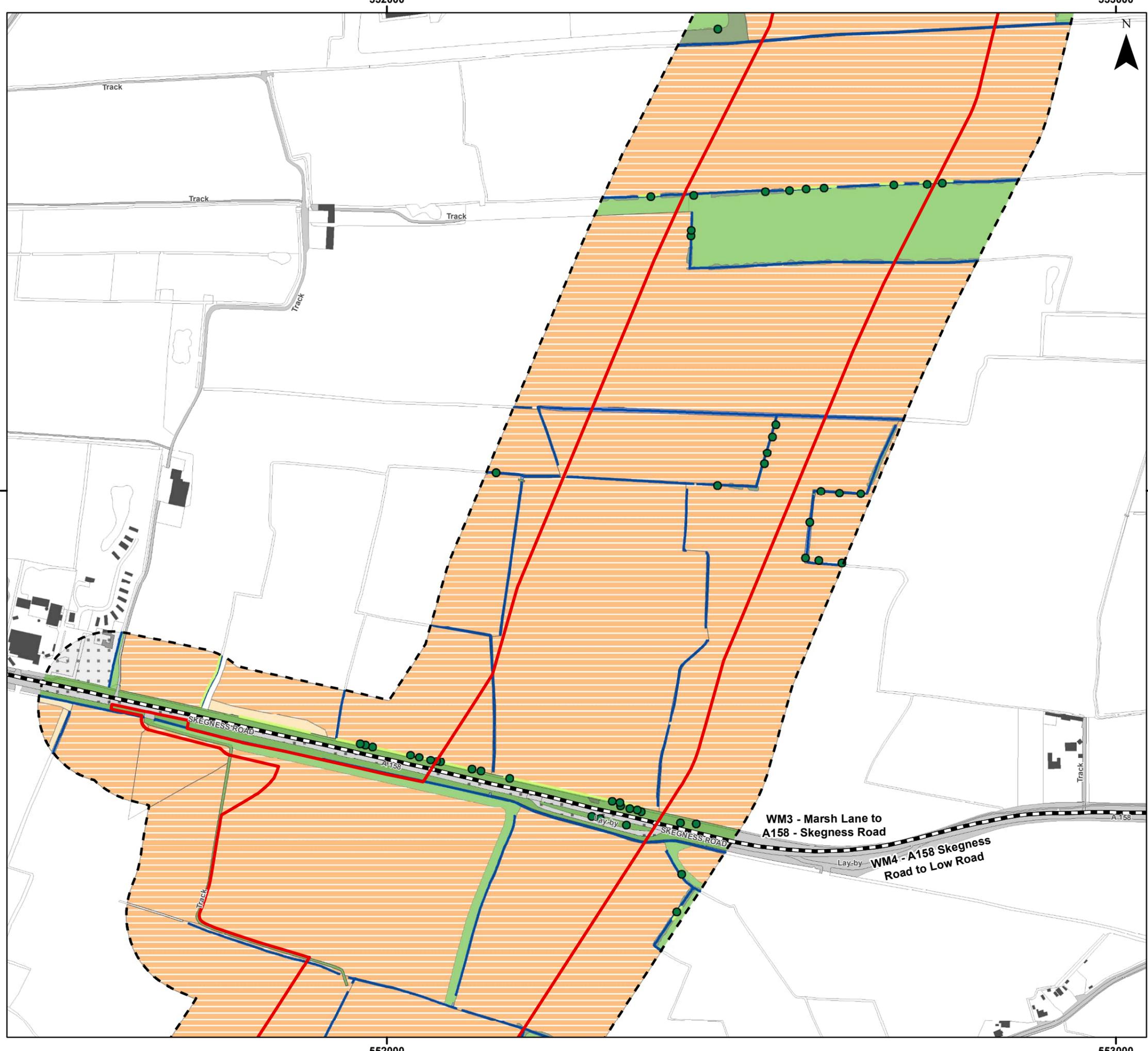


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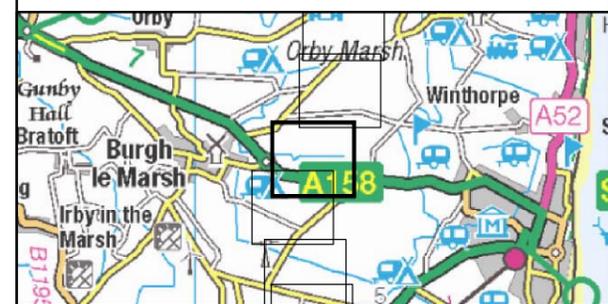
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- Legend**
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
 - 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

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Weston Marsh Habitats within PEIR Boundary

Figure 21.2.2.11

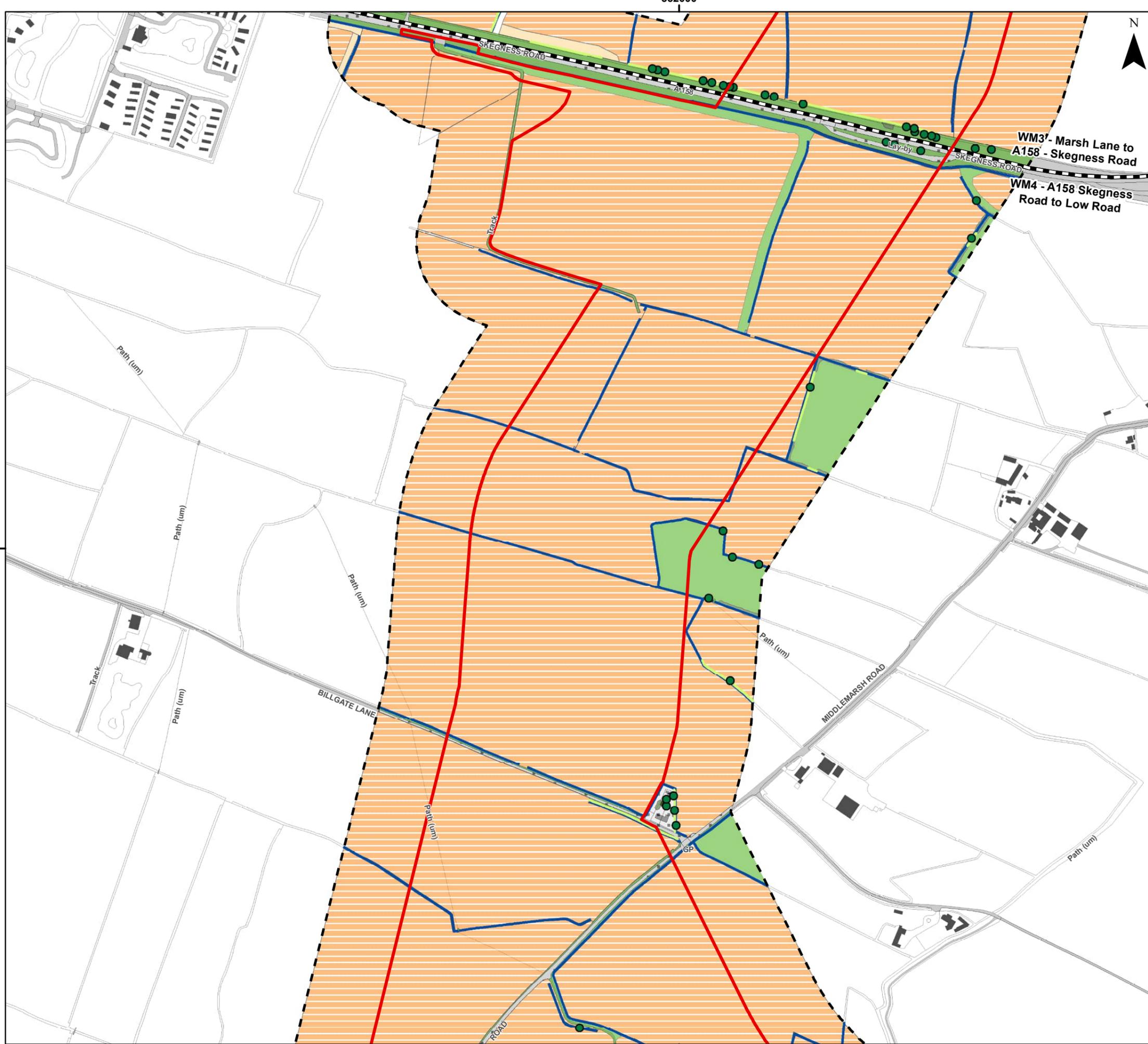


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- ### Legend
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers 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

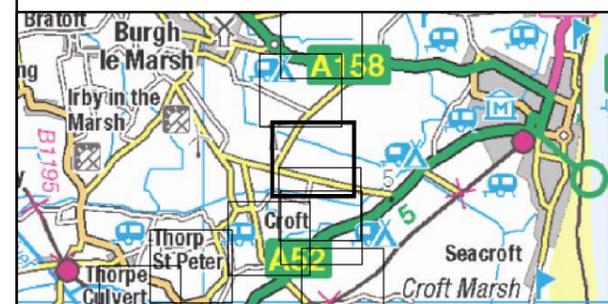
Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.12



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- Onshore PEIR Boundary
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 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
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 - 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
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 - 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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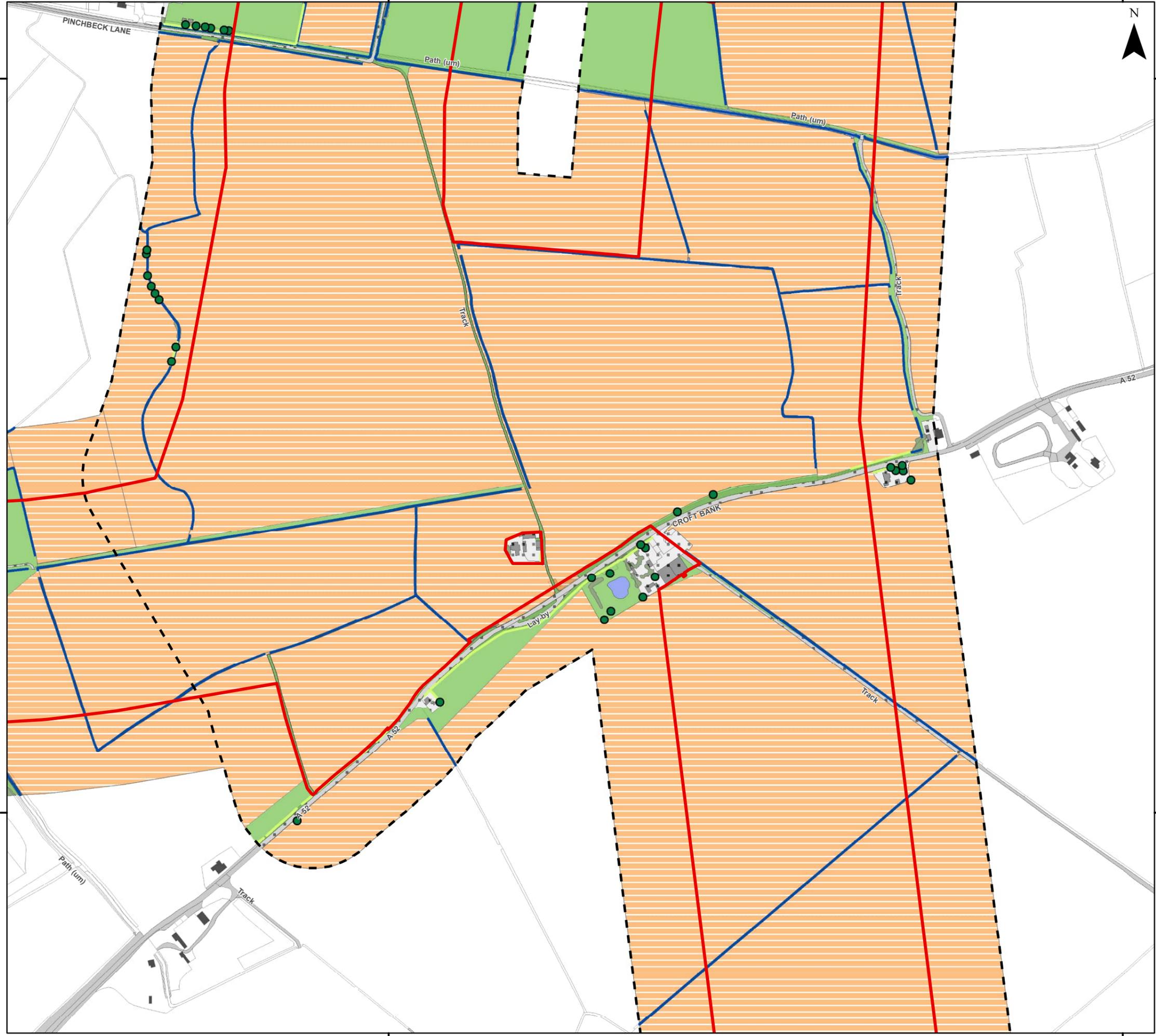
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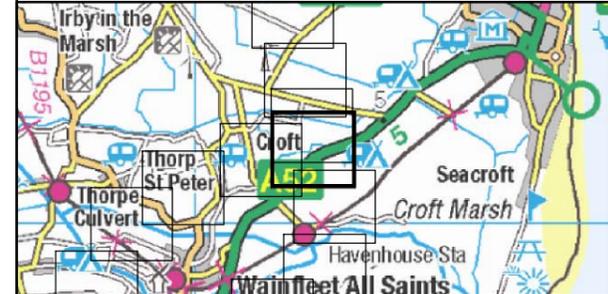
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Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
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- c1 - Arable and Horticulture
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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.14

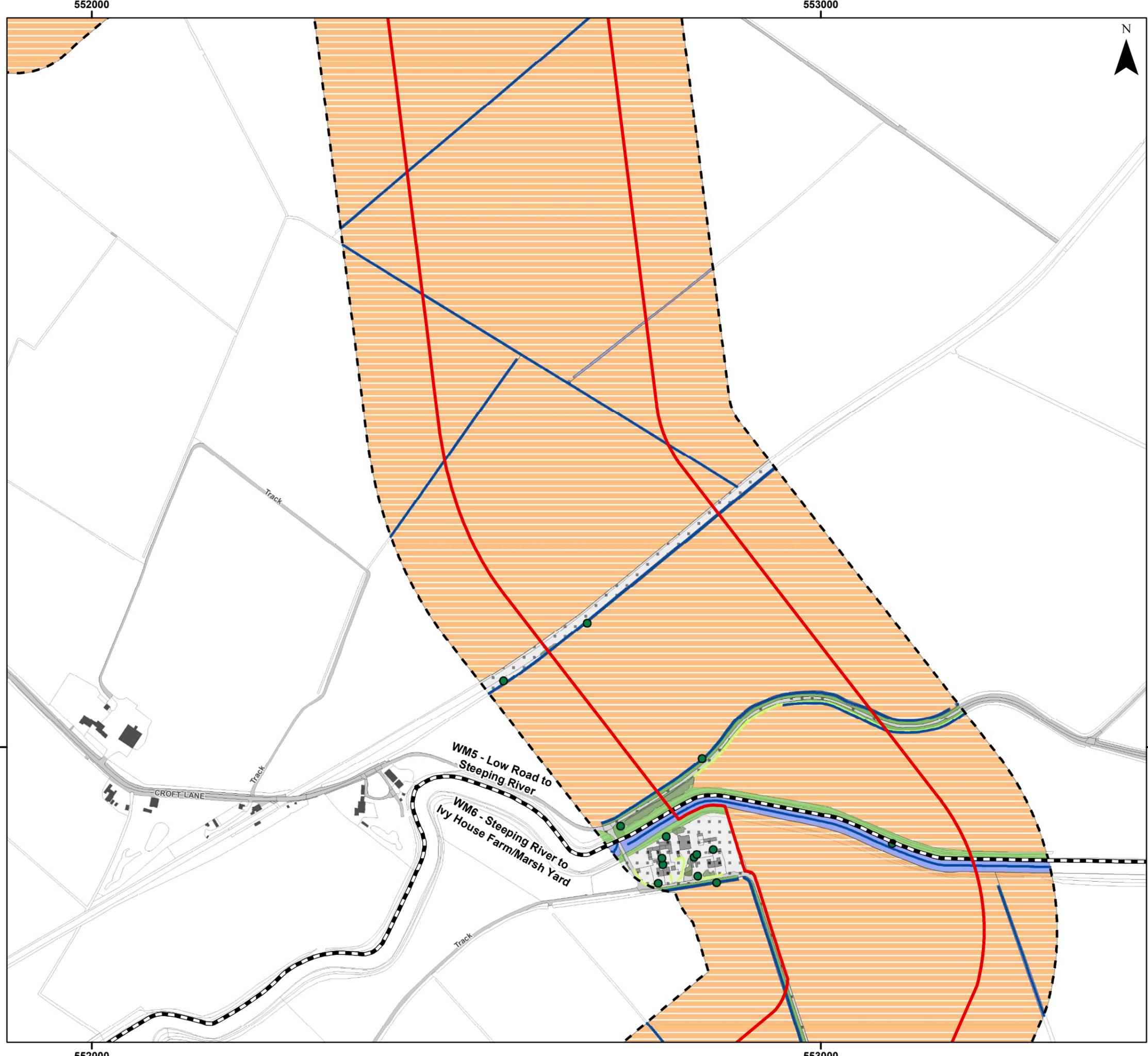


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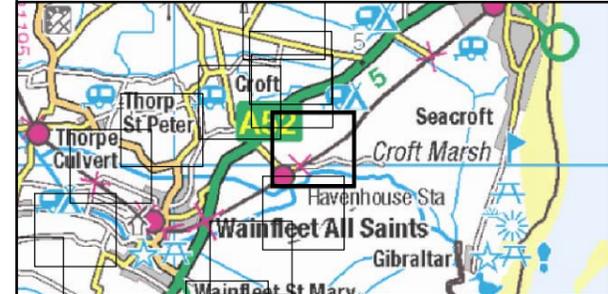


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- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
- Woodland and Forest - Broadleaved 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

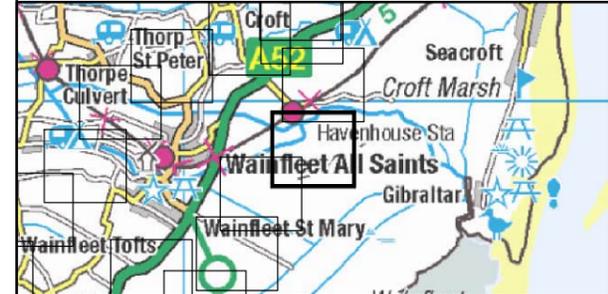
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- Legend**
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- r2 - River and Stream
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- c1 - Arable and Horticulture
- Grassland - Neutral Grassland**
- g - Grassland
- Rivers and Lakes - Rivers and Streams**
- r - Rivers and Lakes
- Urban - Built-up Areas and Gardens**
- u1 - Built-up Area and Garden
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- w1 - Broadleaved Mixed and Yew Woodland



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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.16

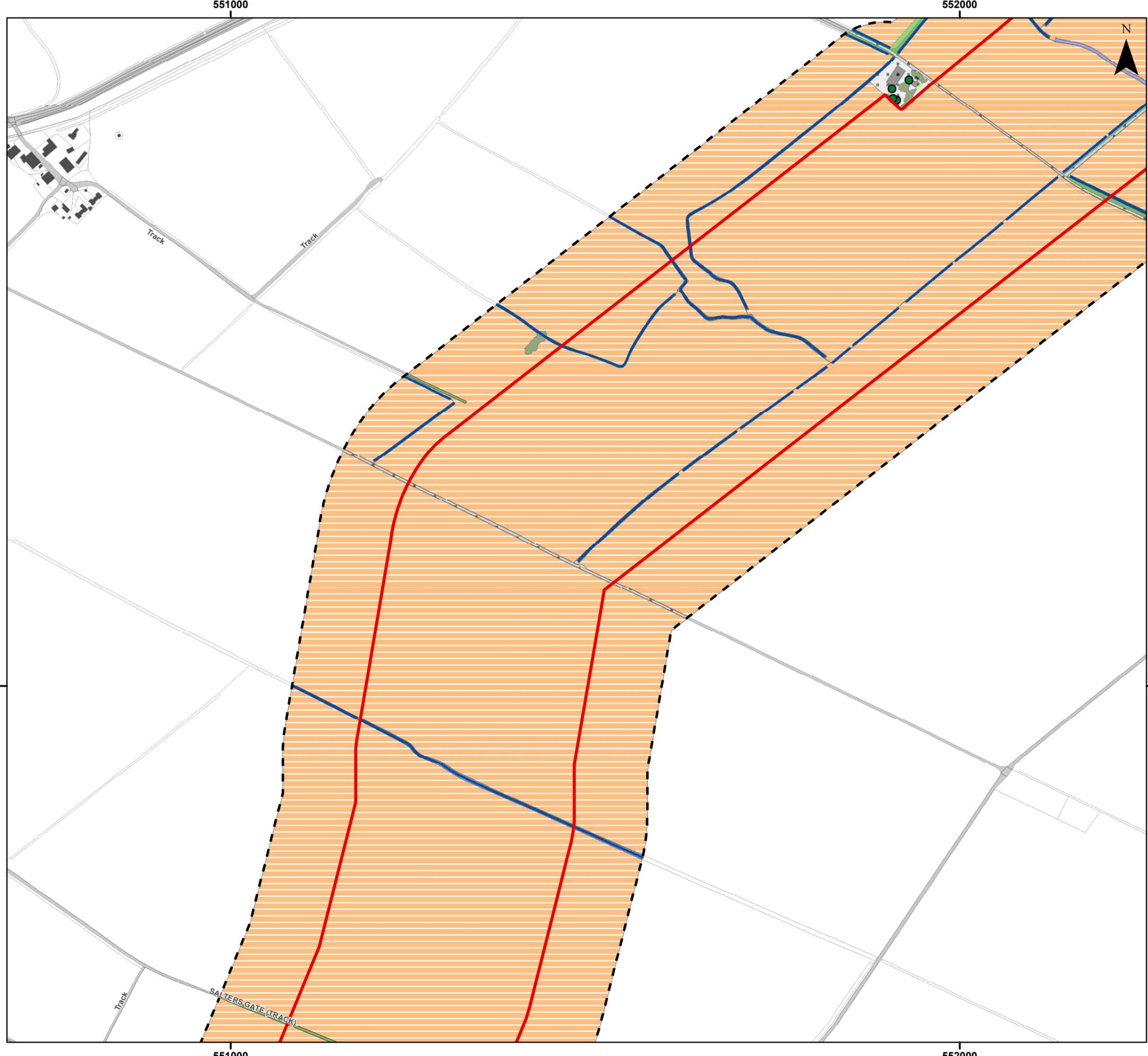


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- Legend**
- Onshore PEIR Boundary
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and Streams**
 - r2 - 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

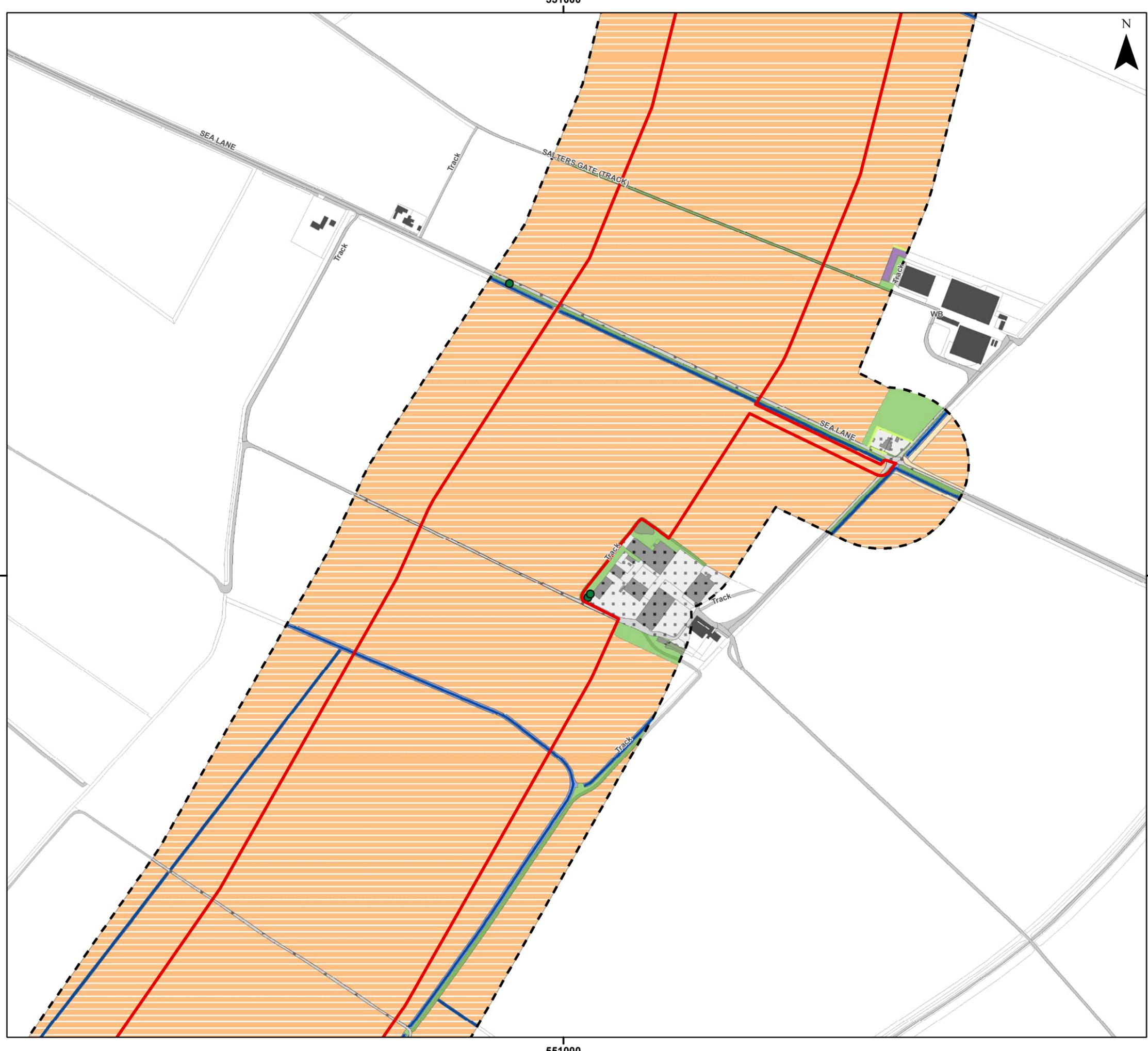


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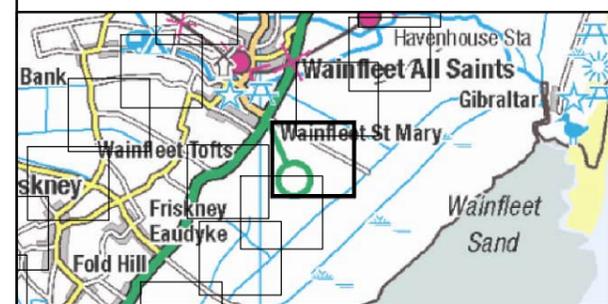
Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.17



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- Legend**
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 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
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 - 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
 - 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

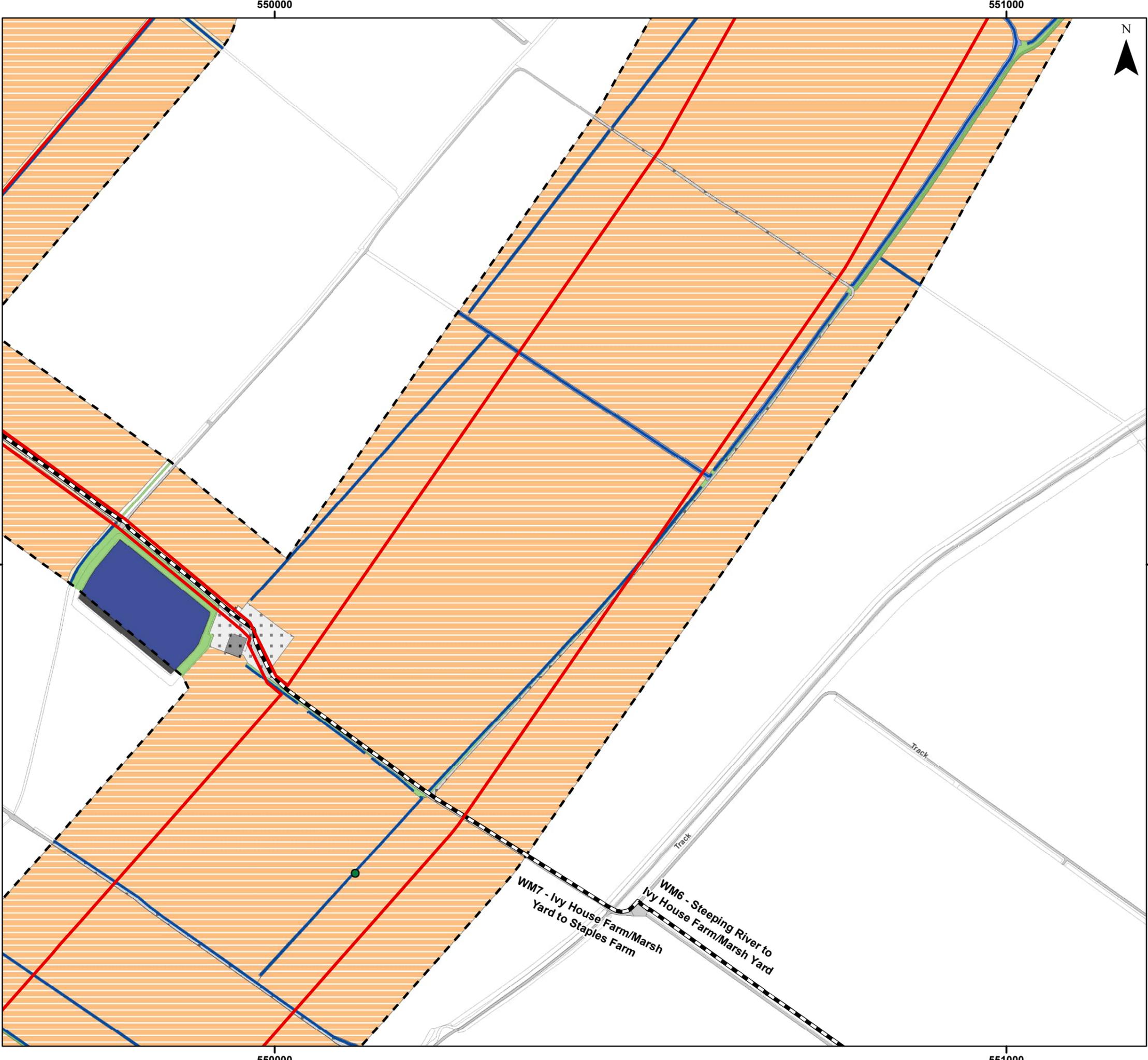


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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.18



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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 Streams**
- 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

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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.19



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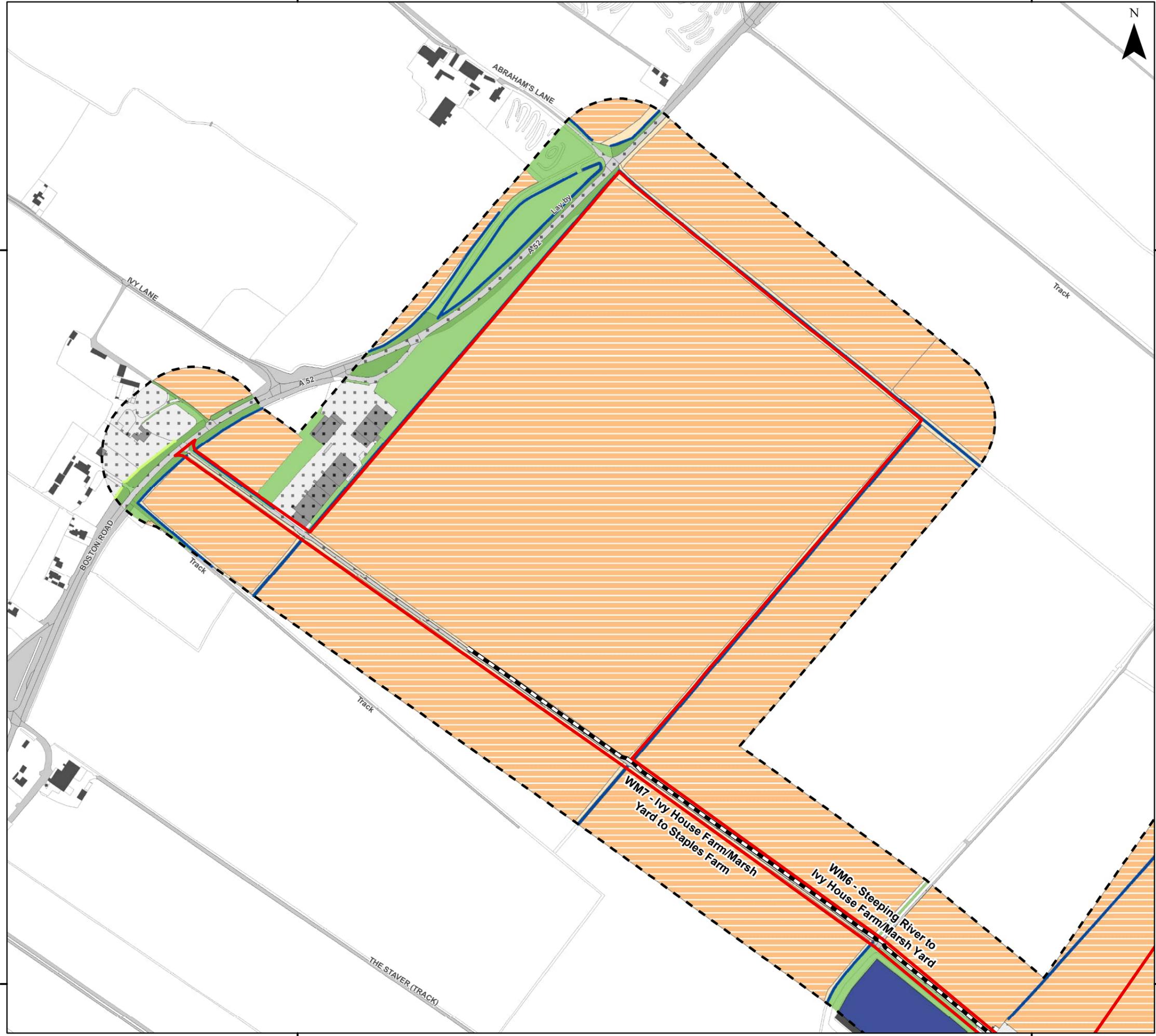


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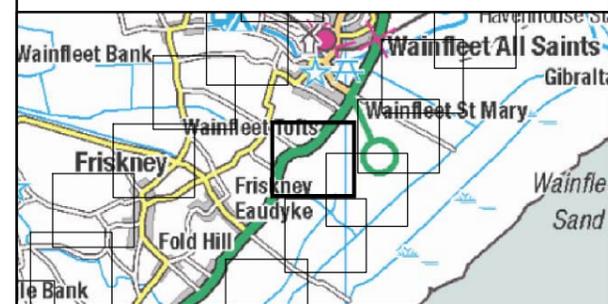
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Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- UK Habitat Classification**
- 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



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 Weston Marsh
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Legend

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- 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 21.2.2.21

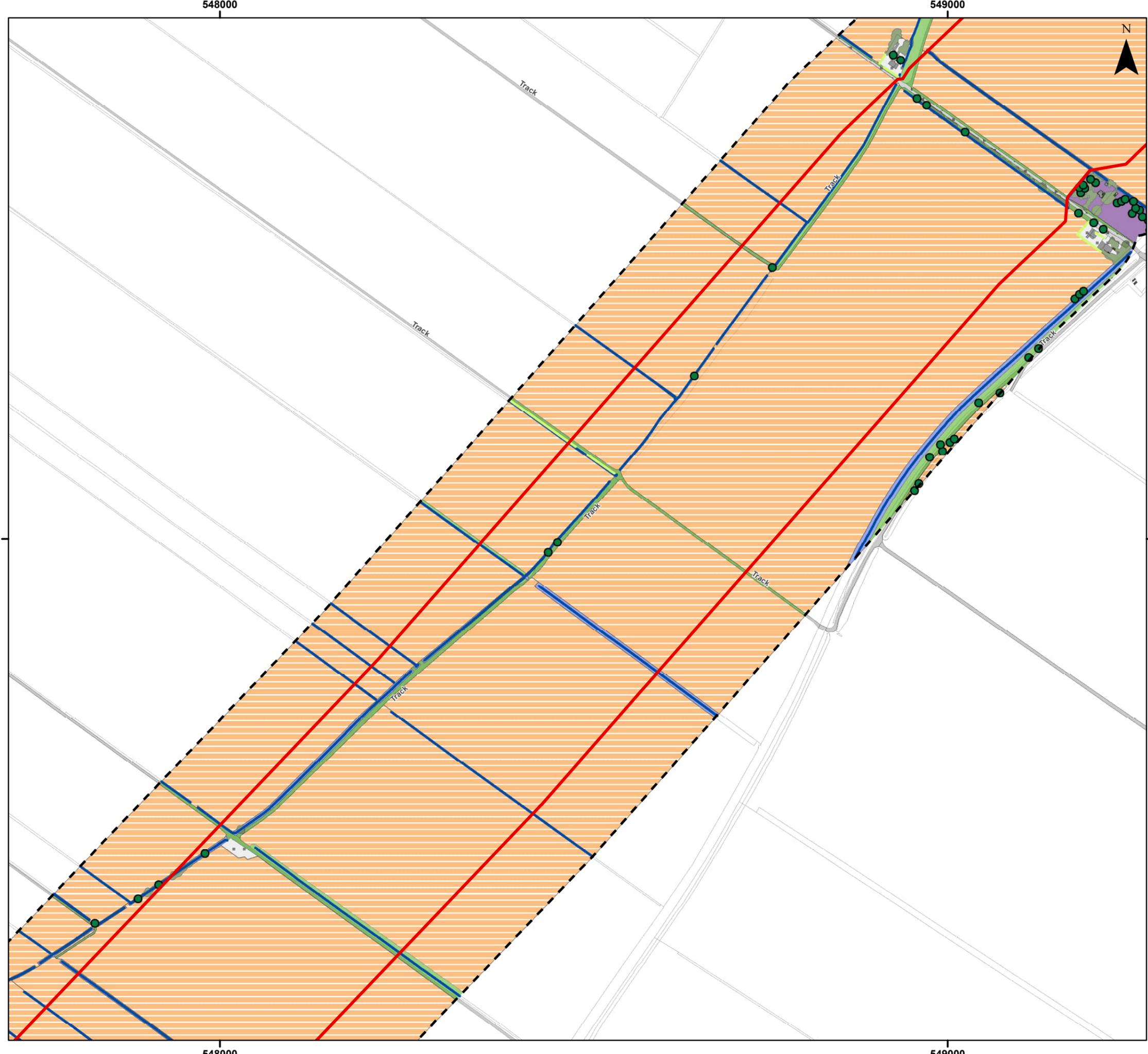


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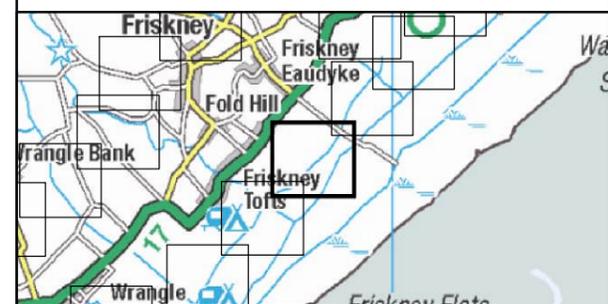


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- Legend**
- Onshore PEIR Boundary
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
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 - c1 - Arable and Horticulture
 - Grassland - Neutral Grassland**
 - g - Grassland
 - Heathland and Shrub - Dense Scrub**
 - h3 - Dense Scrub
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 - 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

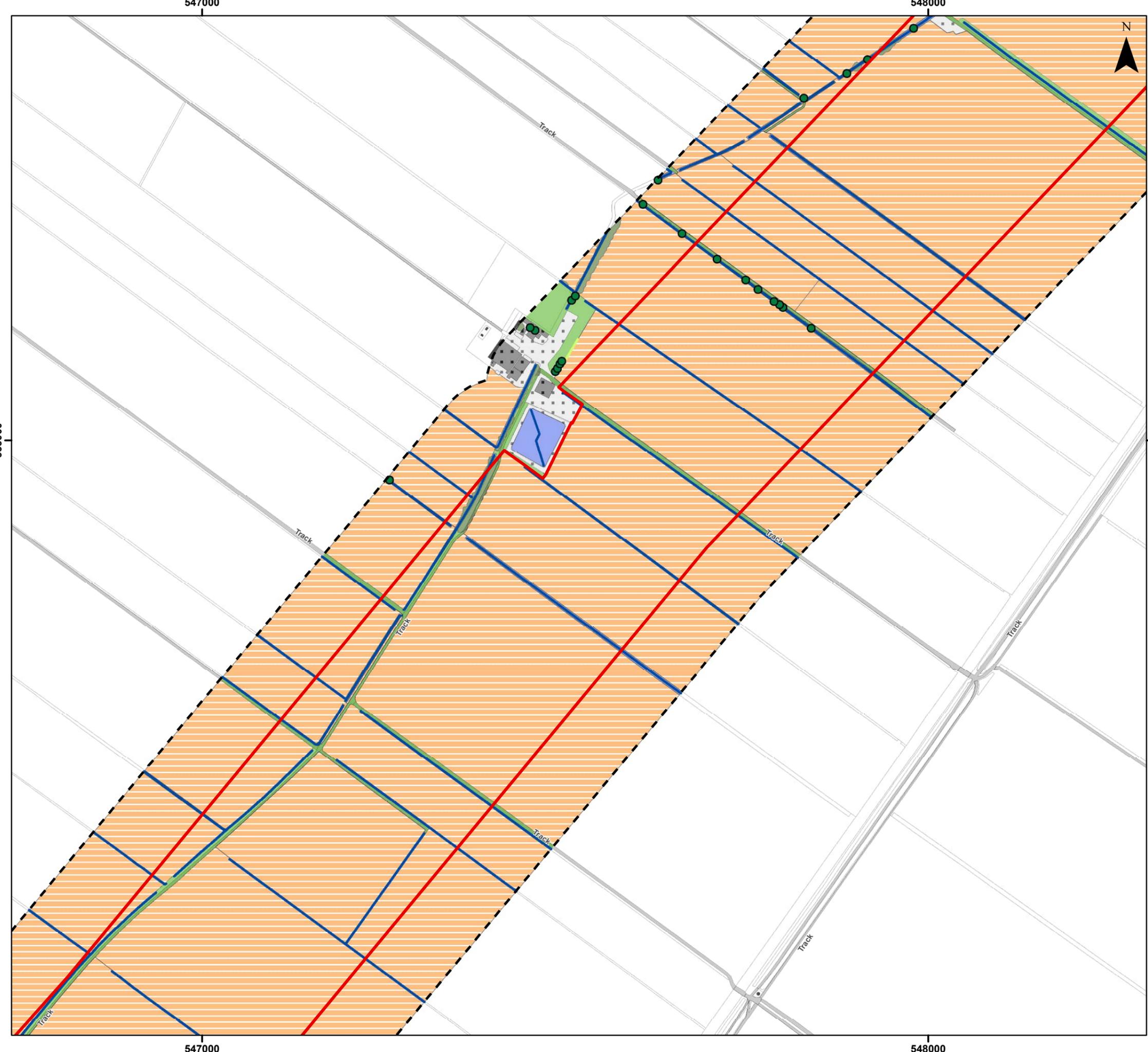


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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.22



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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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 Scale: 1:5,000

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 Weston Marsh
 Habitats within PEIR Boundary
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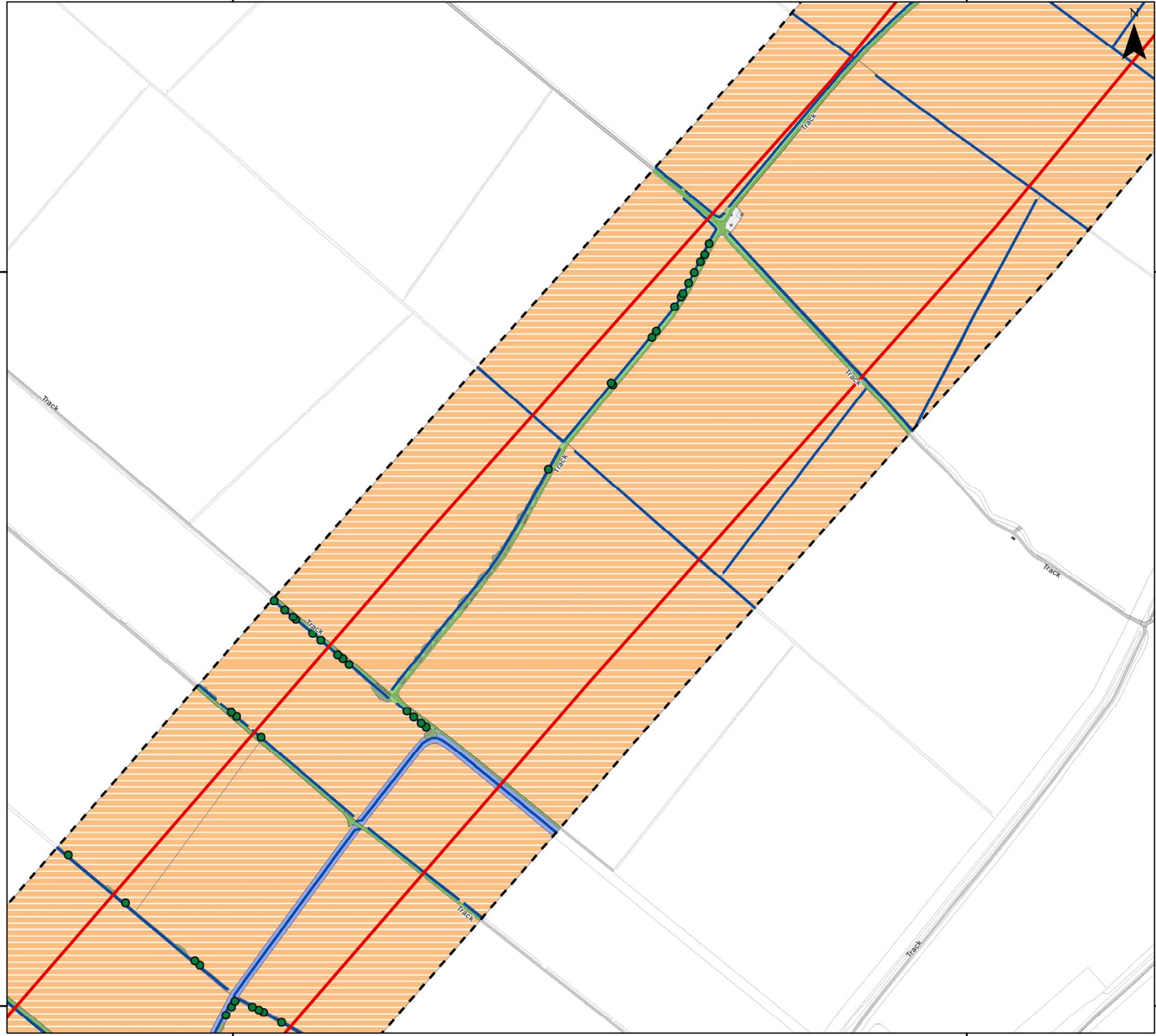
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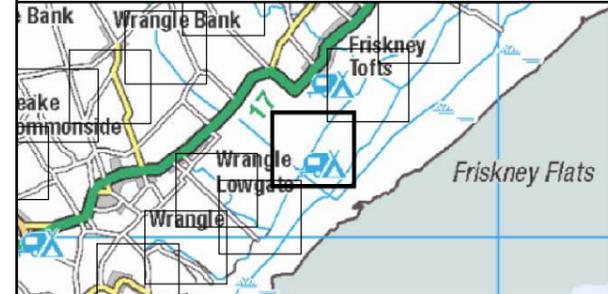
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Legend

- Onshore PEIR Boundary
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- 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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 Weston Marsh
 Habitats within PEIR Boundary
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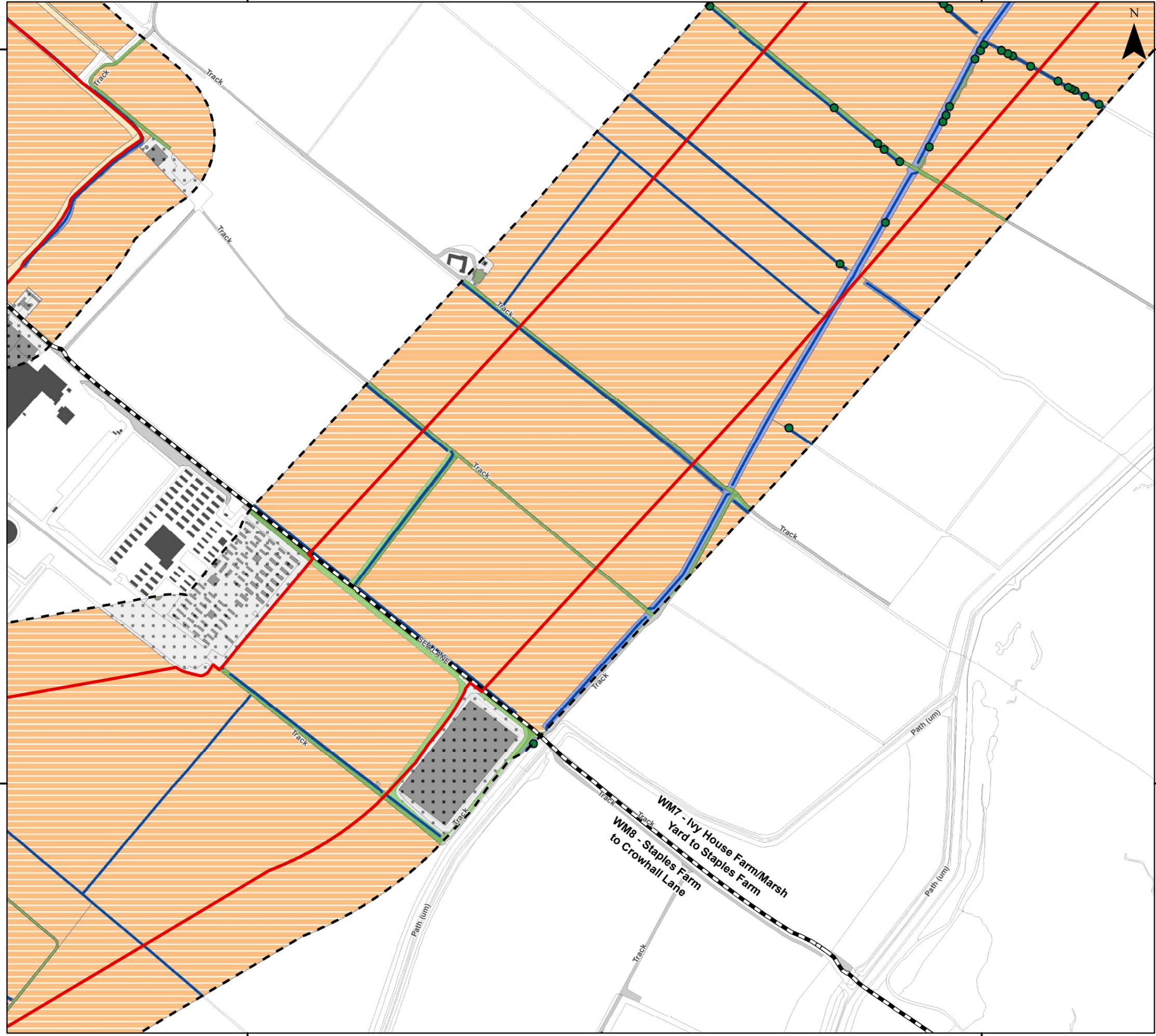
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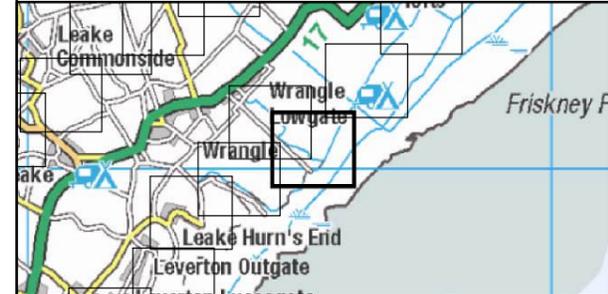
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Legend

- 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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 Scale: 1:5,000

Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.25

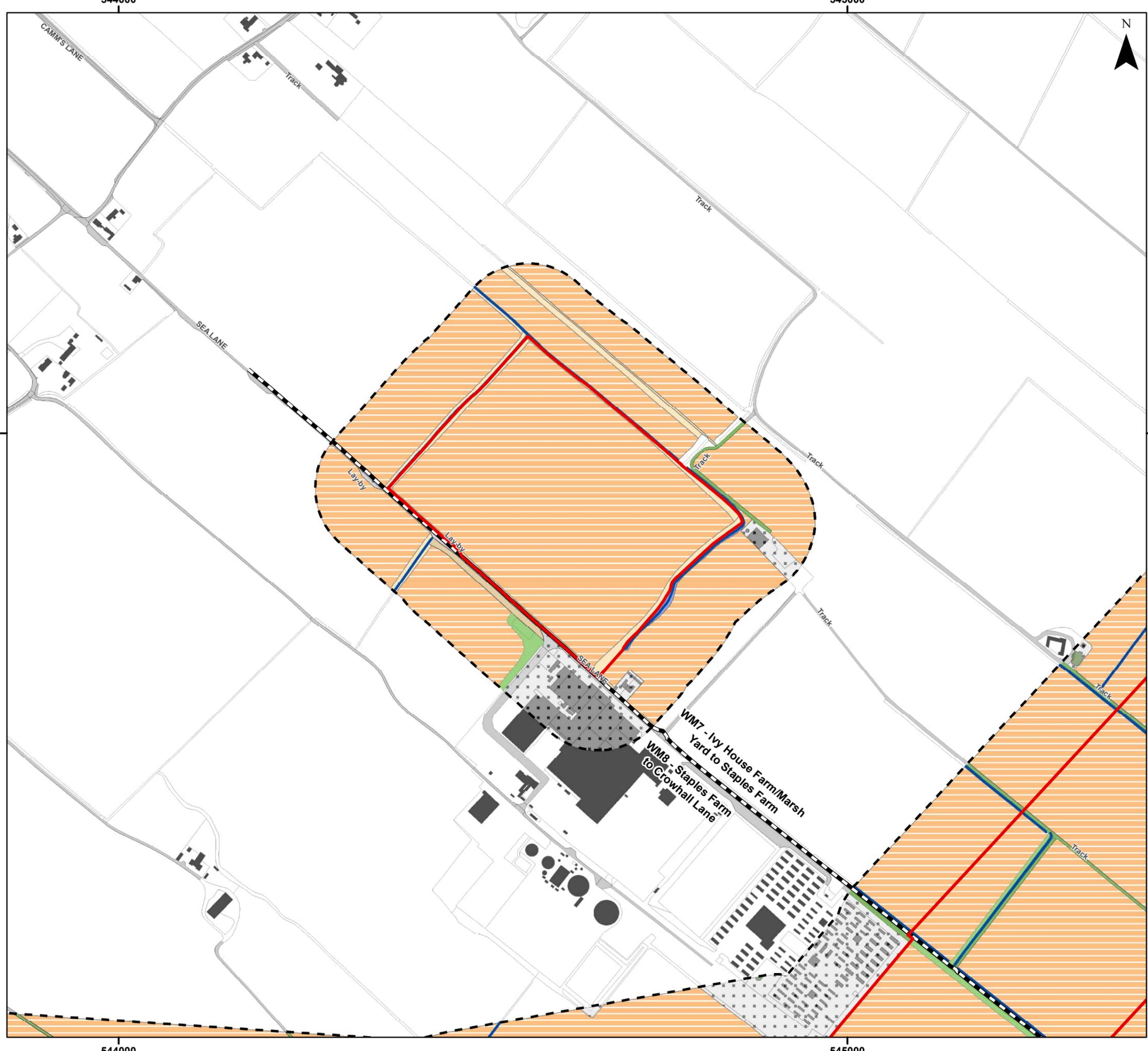


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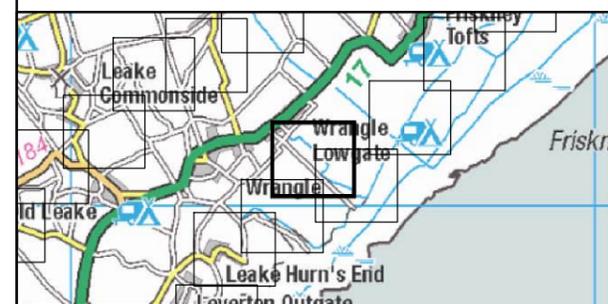


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- Legend**
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - UK Habitat Classification**
 - Rivers and Lakes - Rivers and Streams**
 - r2 - River and Stream
 - Cropland - Arable and Horticulture**
 - 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



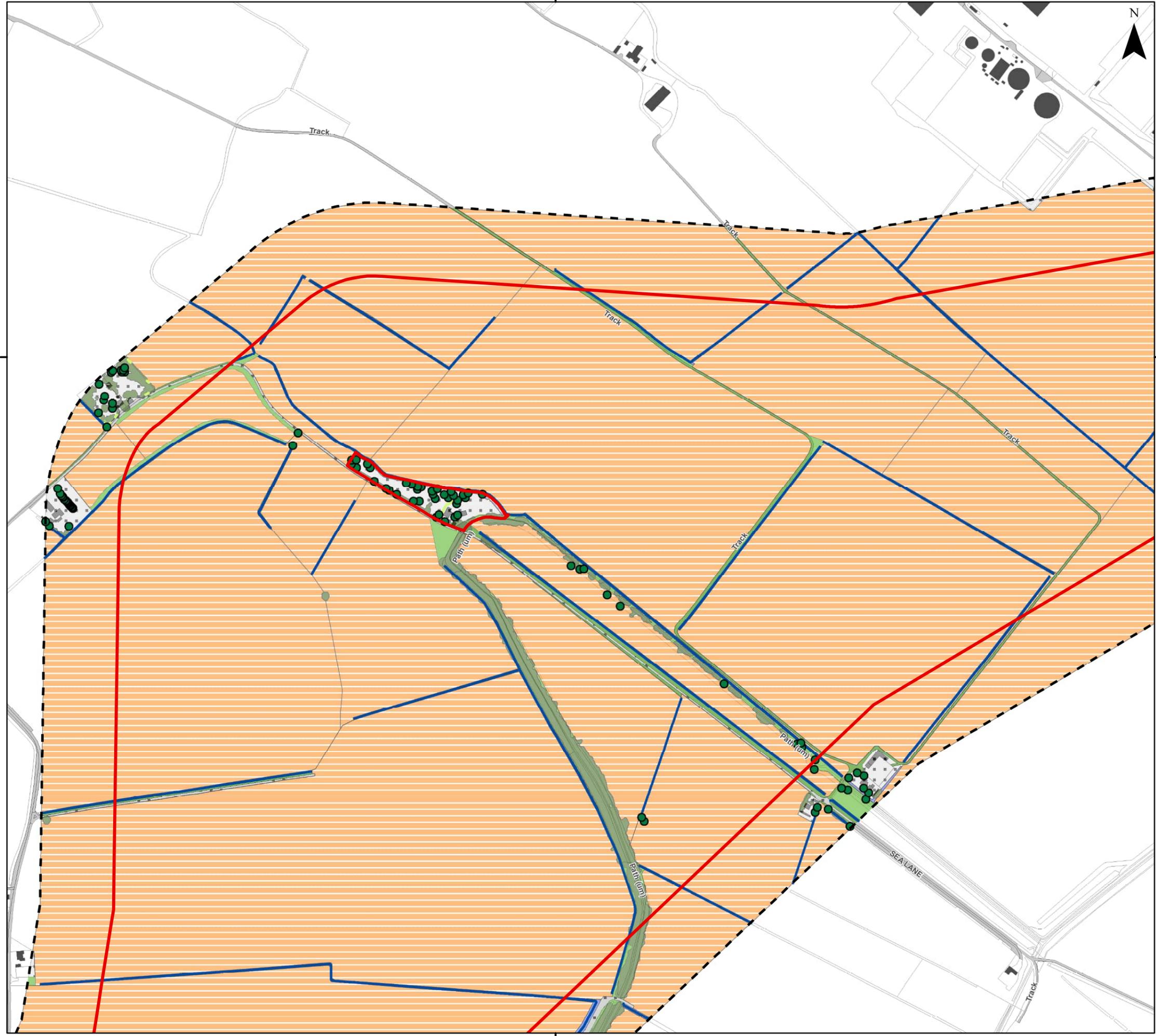
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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.26



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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

0 125 250 Metres

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Preliminary Environmental Information Report

Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.27

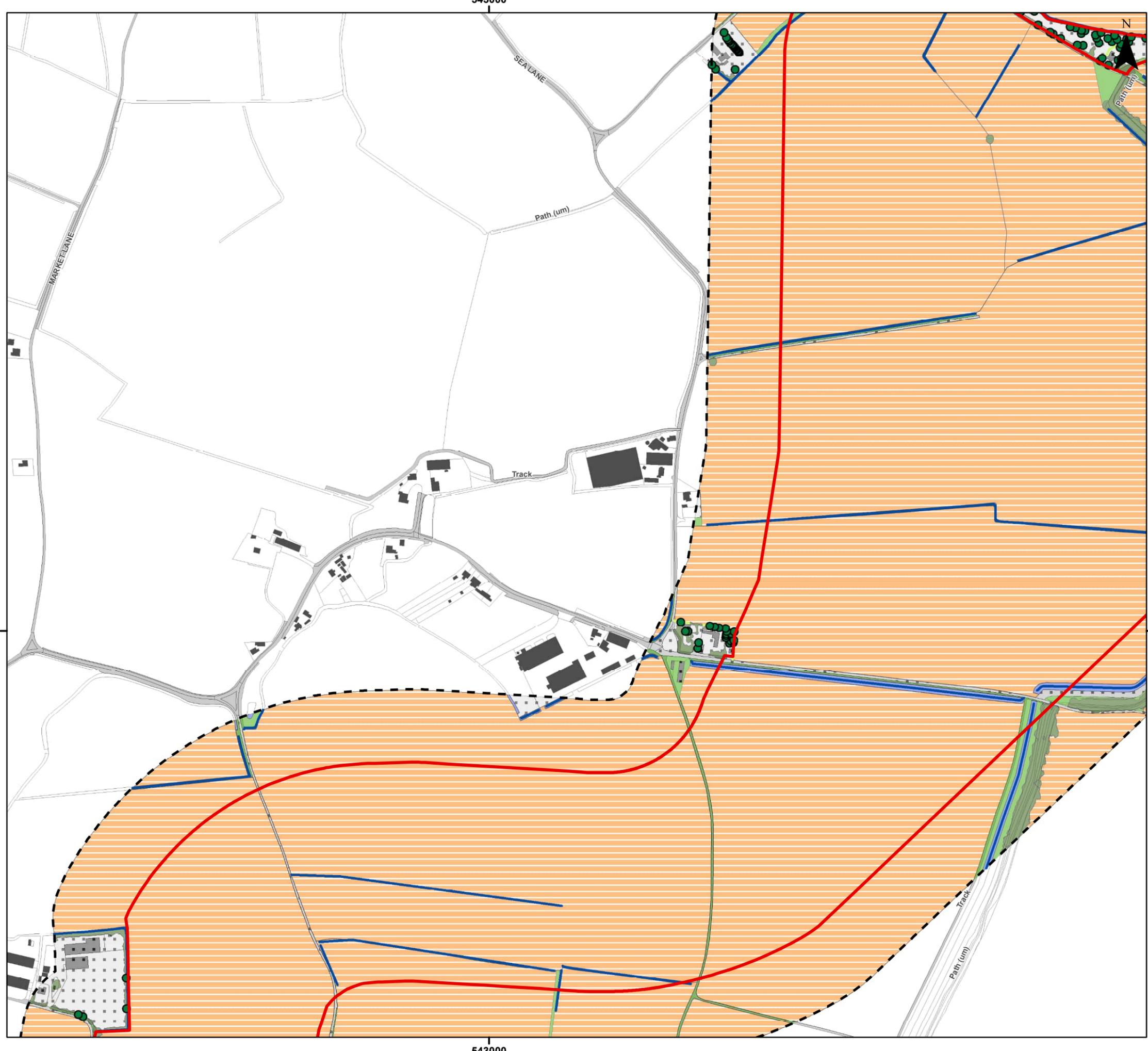


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Legend

- 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 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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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.28



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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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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.29



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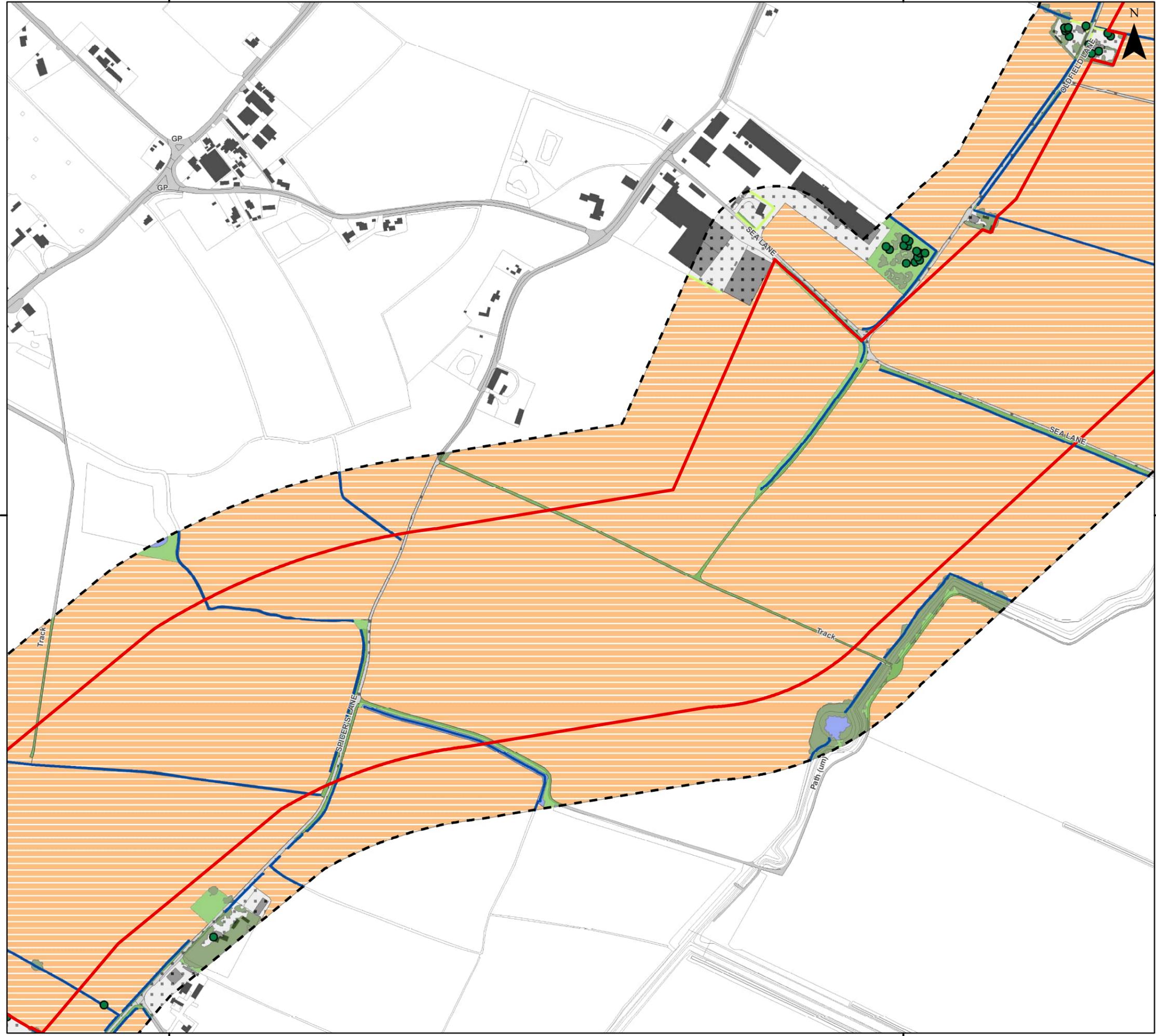


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Legend

- 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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 Weston Marsh
 Habitats within PEIR Boundary
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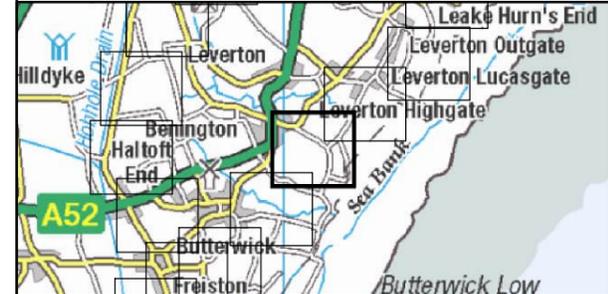
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Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- 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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 Weston Marsh
 Habitats within PEIR Boundary
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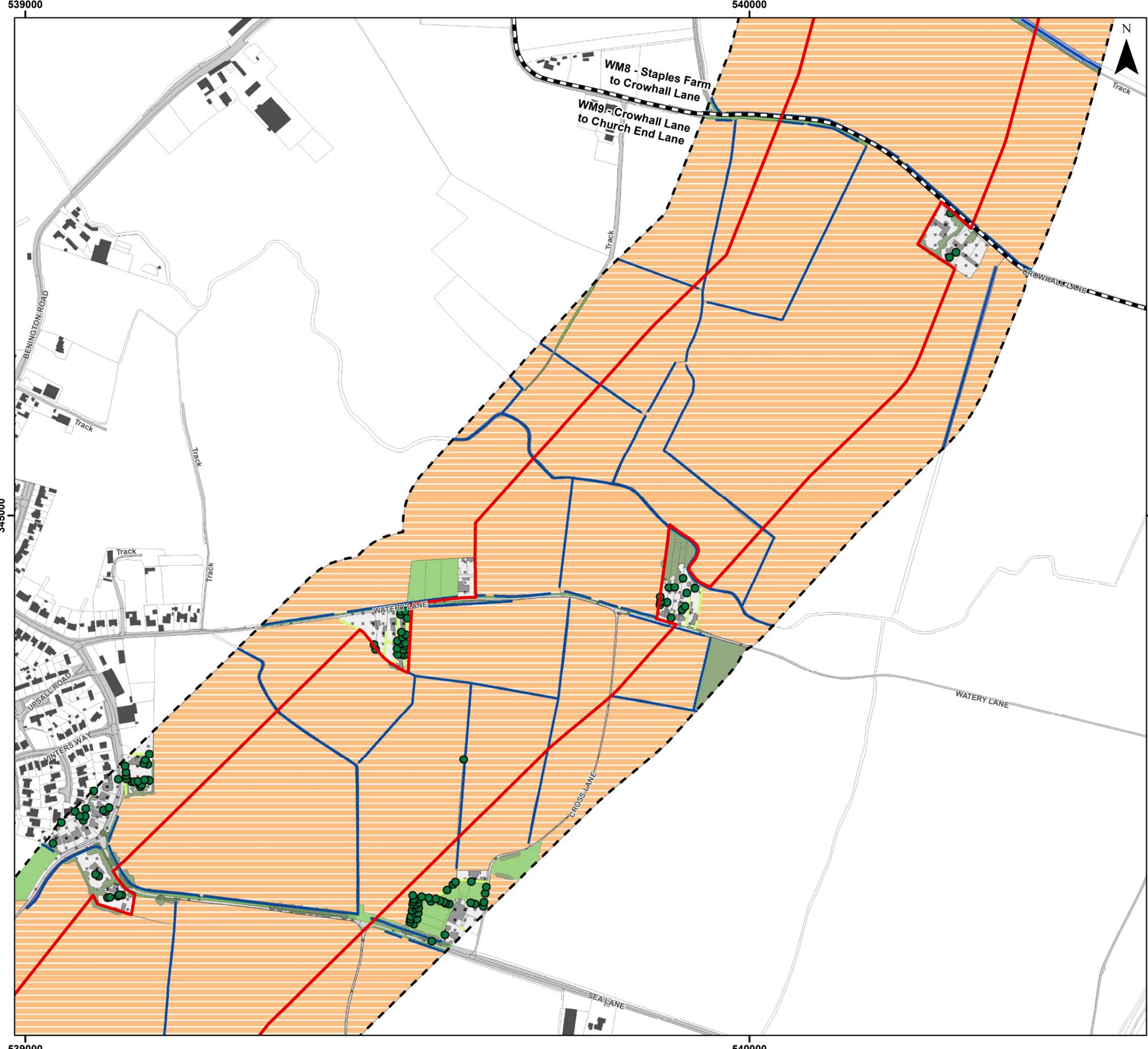
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Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- 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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 Weston Marsh
 Habitats within PEIR Boundary
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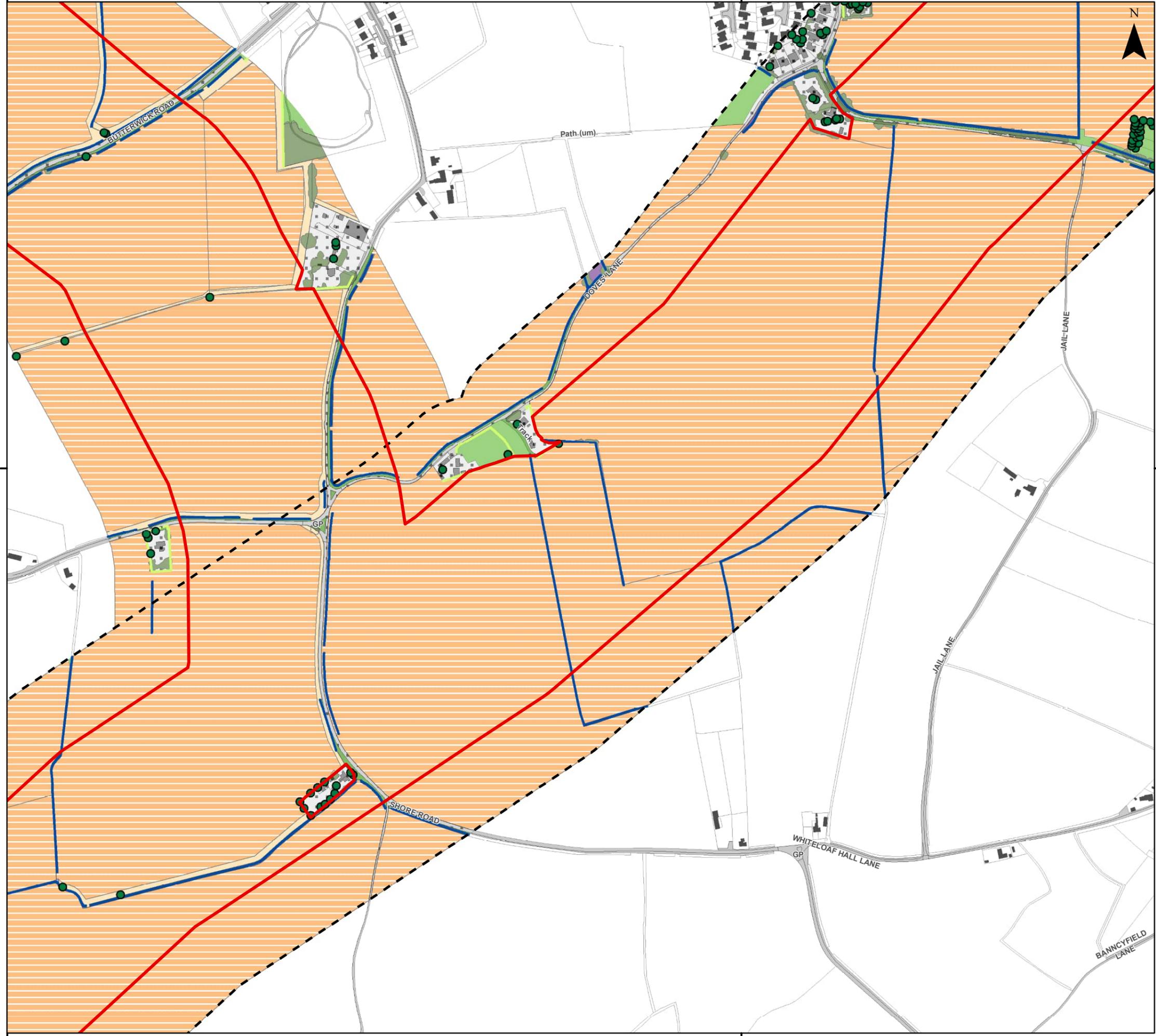
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Legend

- 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



Coordinate System: British National Grid
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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.33



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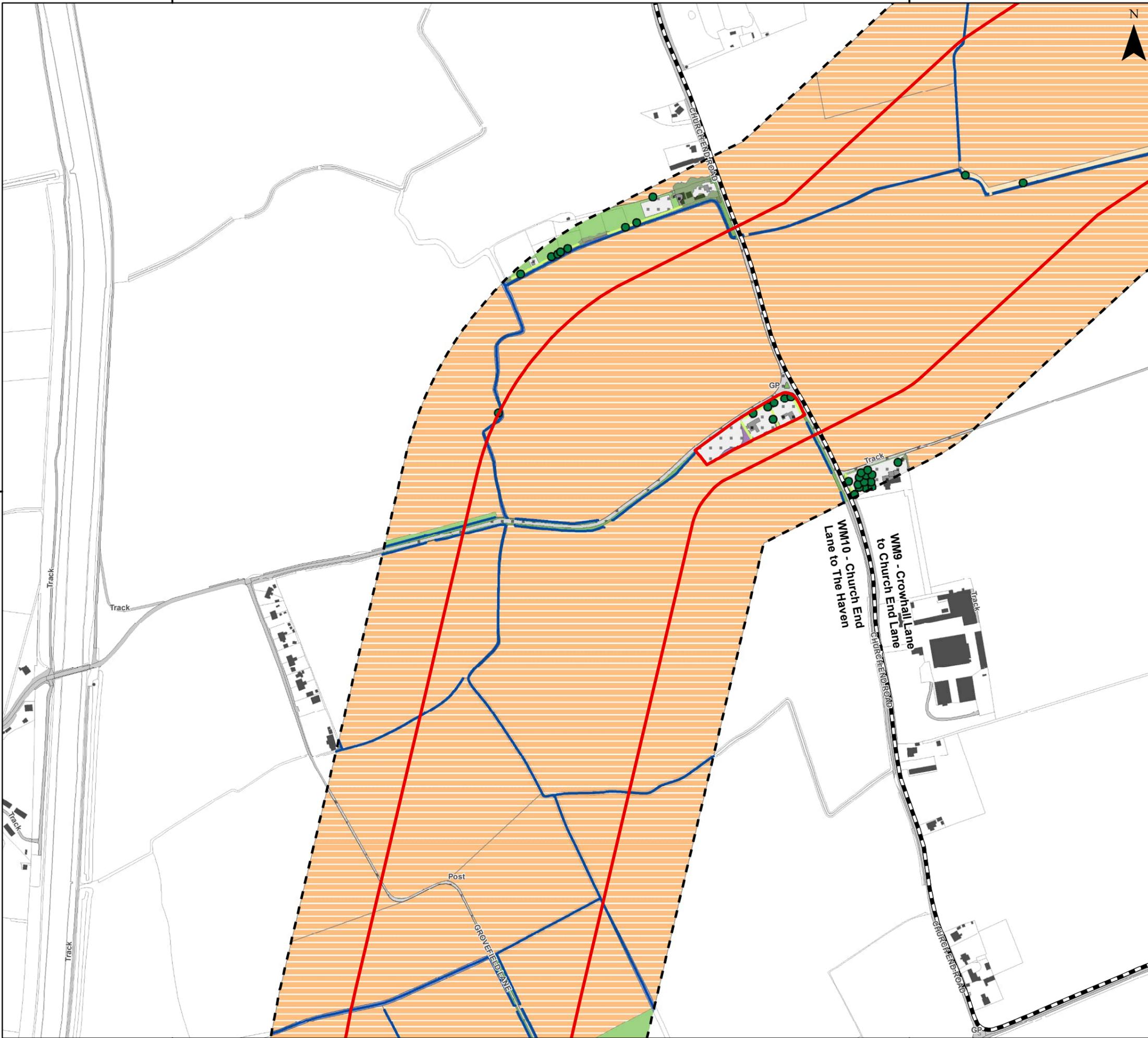


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Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
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- Heathland and Shrub - Hedgerows**
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- 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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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.34



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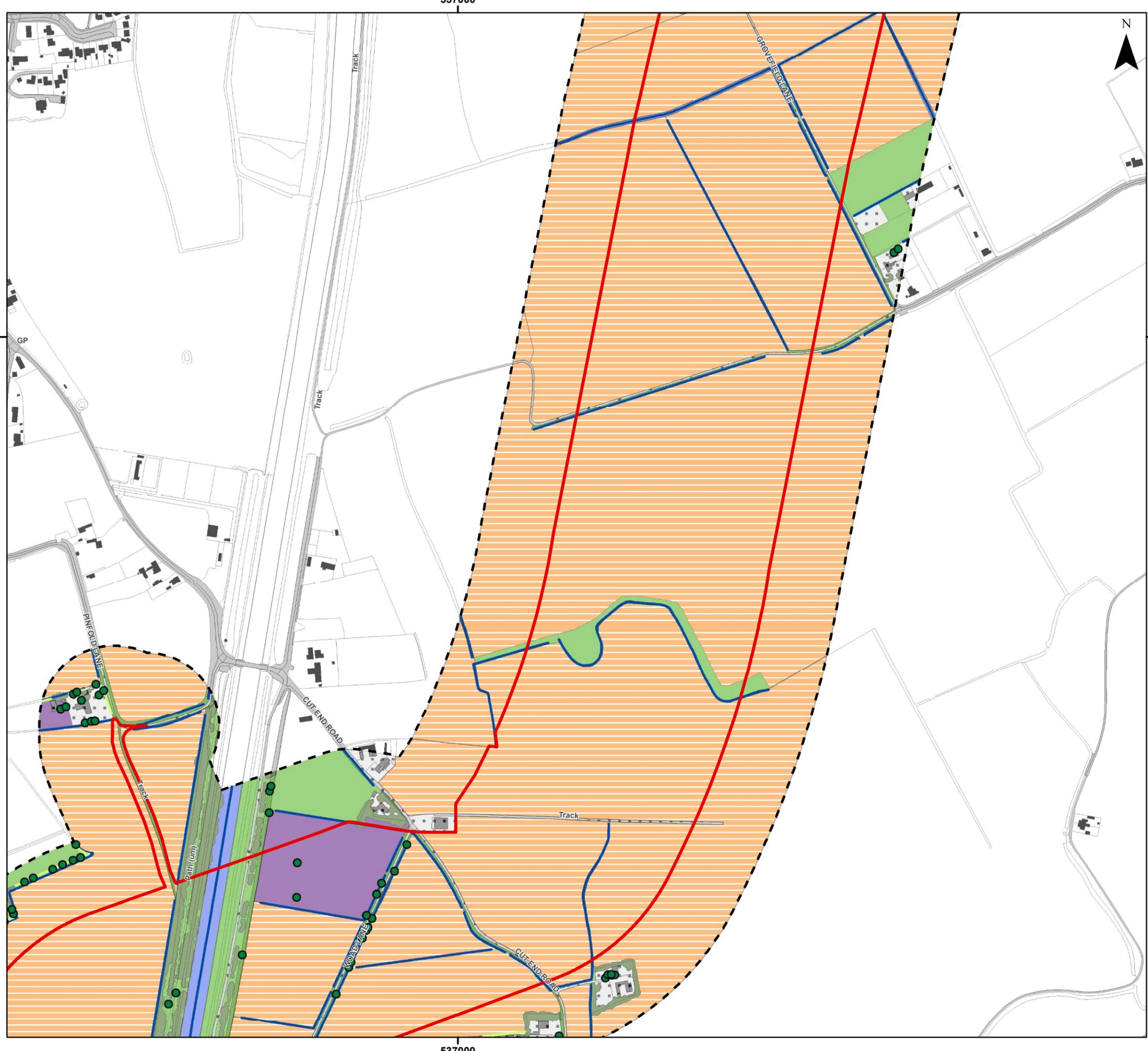
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- ### Legend
- Onshore PEIR Boundary
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and Streams**
 - r2 - 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

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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.35

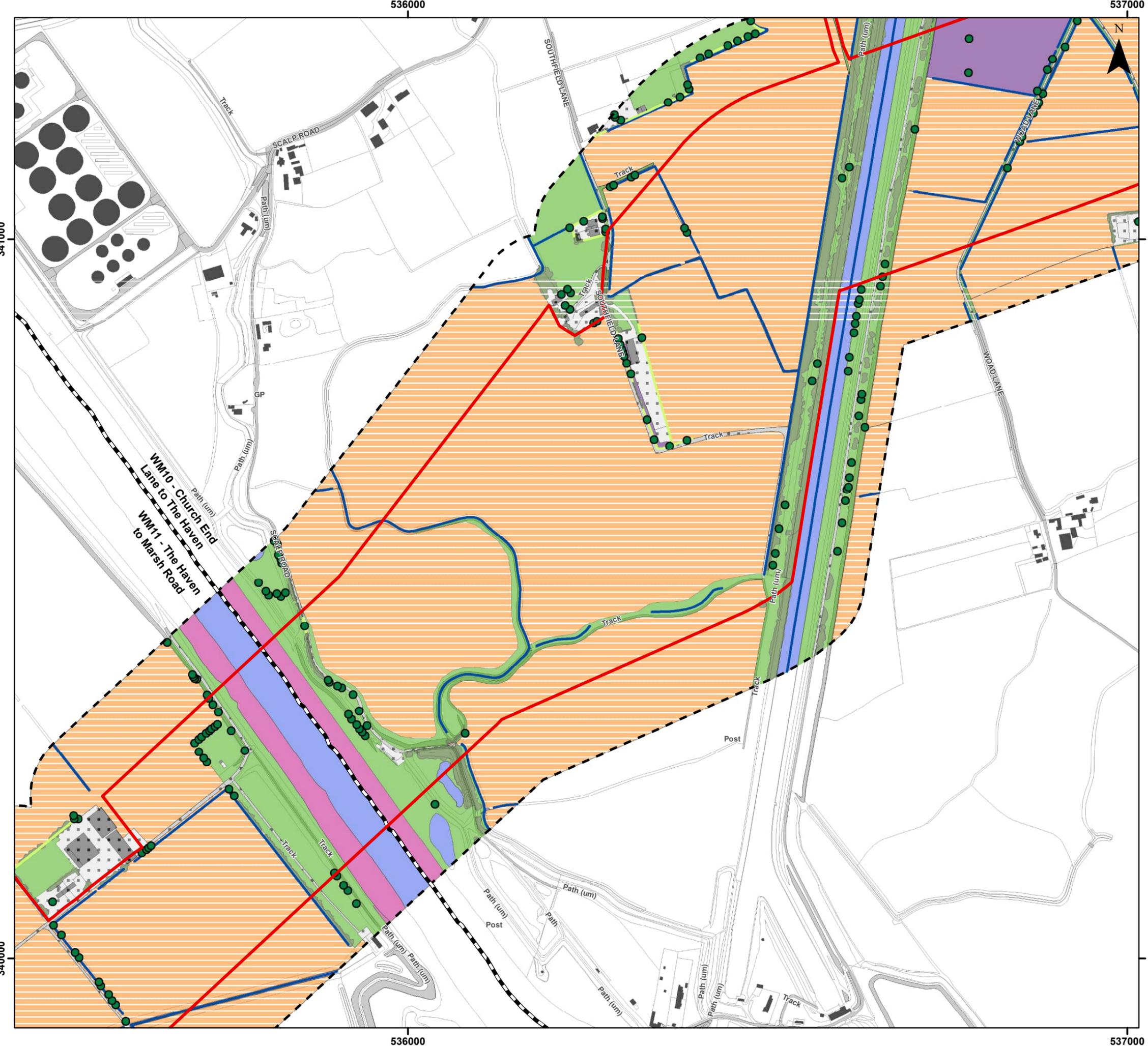


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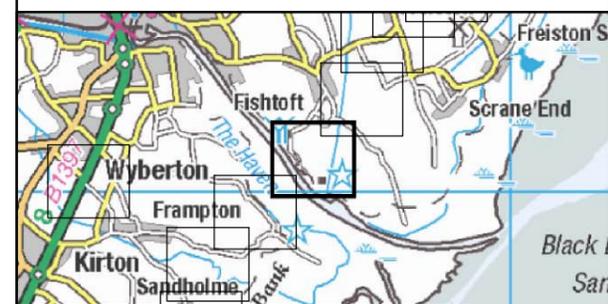


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- ### Legend
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers 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



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

Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.36

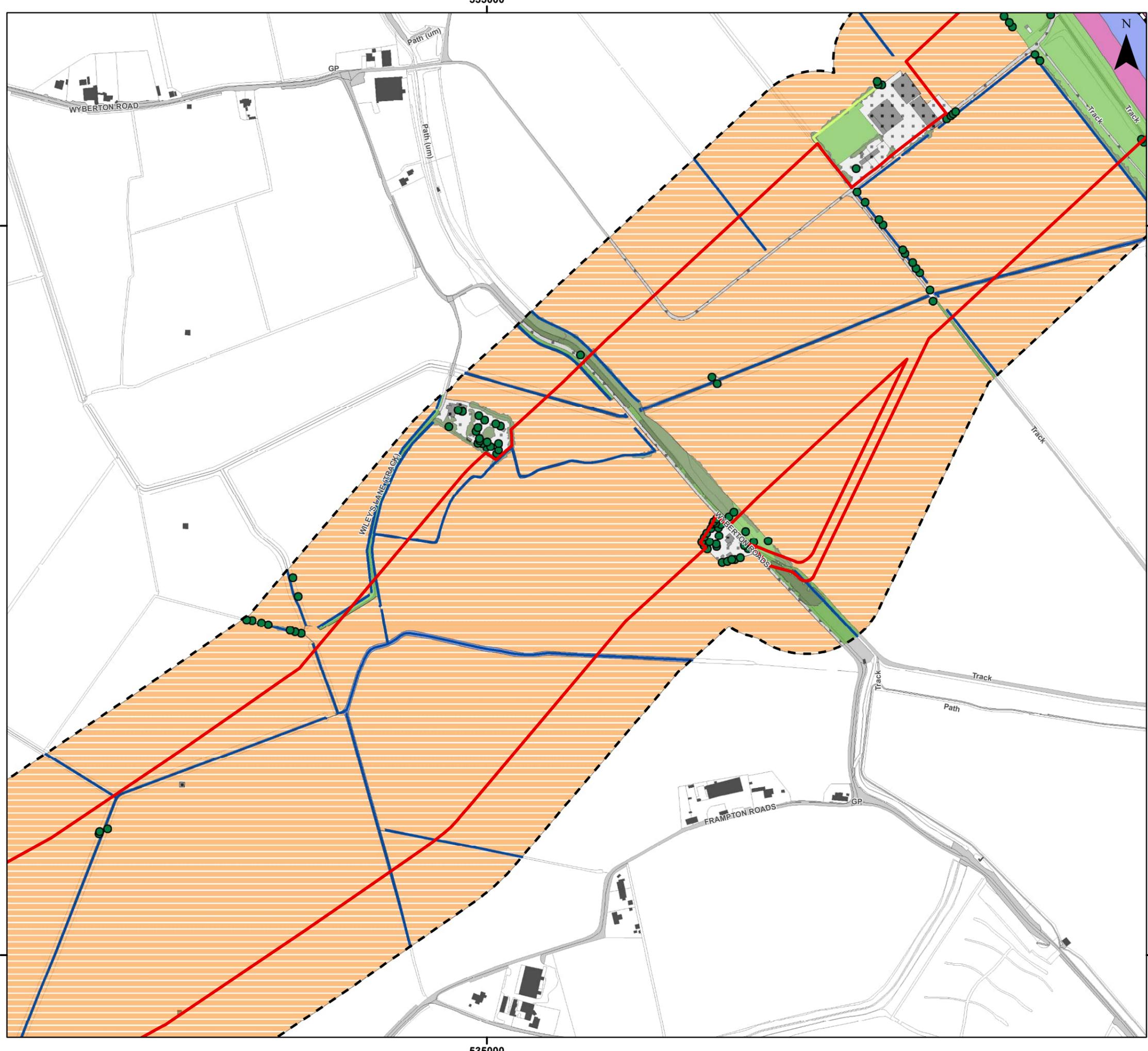




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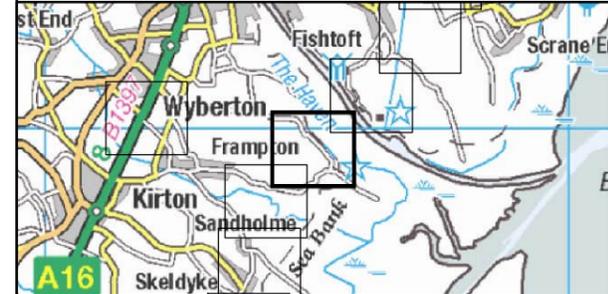
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Legend

- 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



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

Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.37

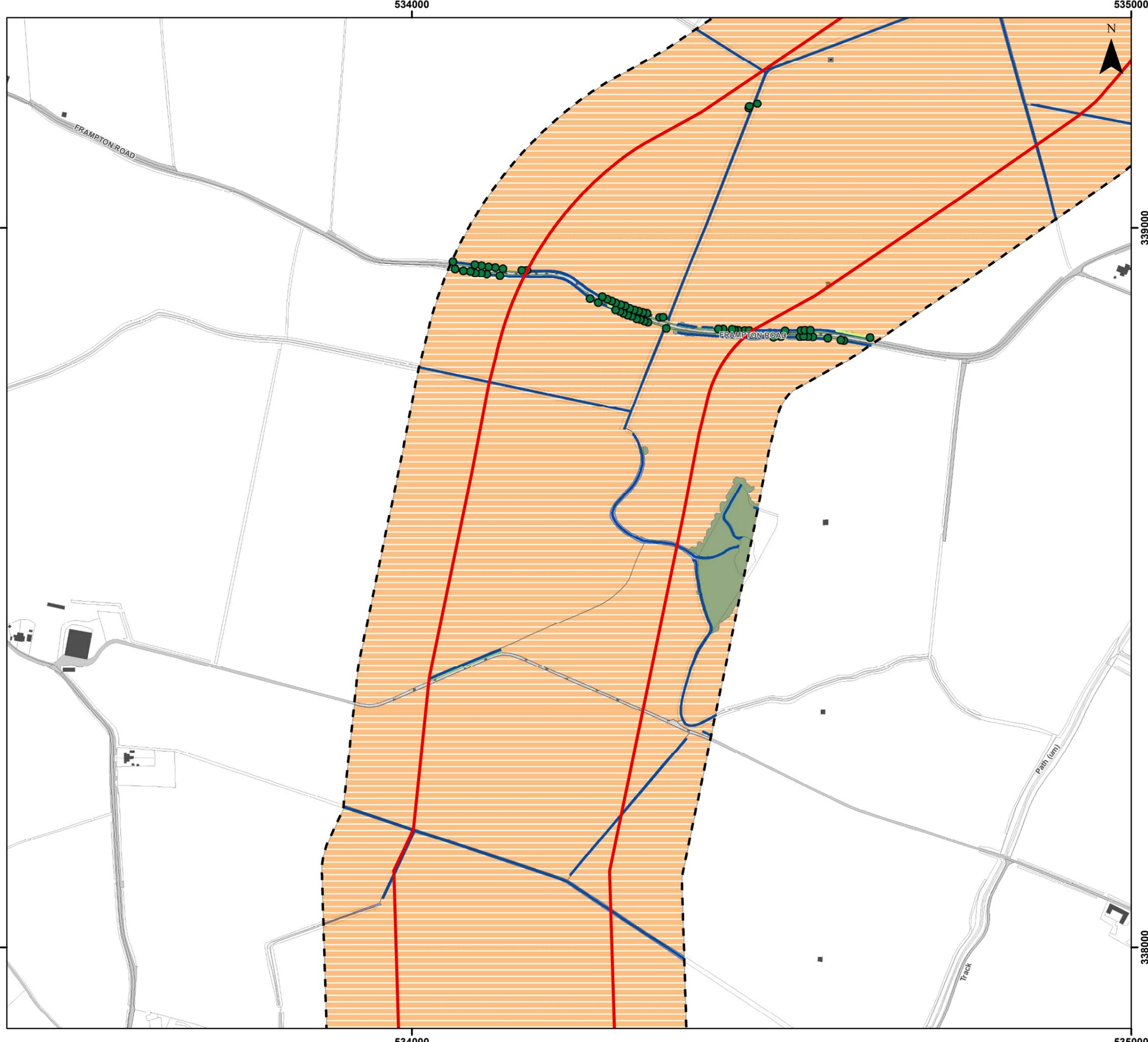


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- ### Legend
- Onshore PEIR Boundary
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and Streams**
 - r2 - 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

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Preliminary Environmental Information Report

Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.38



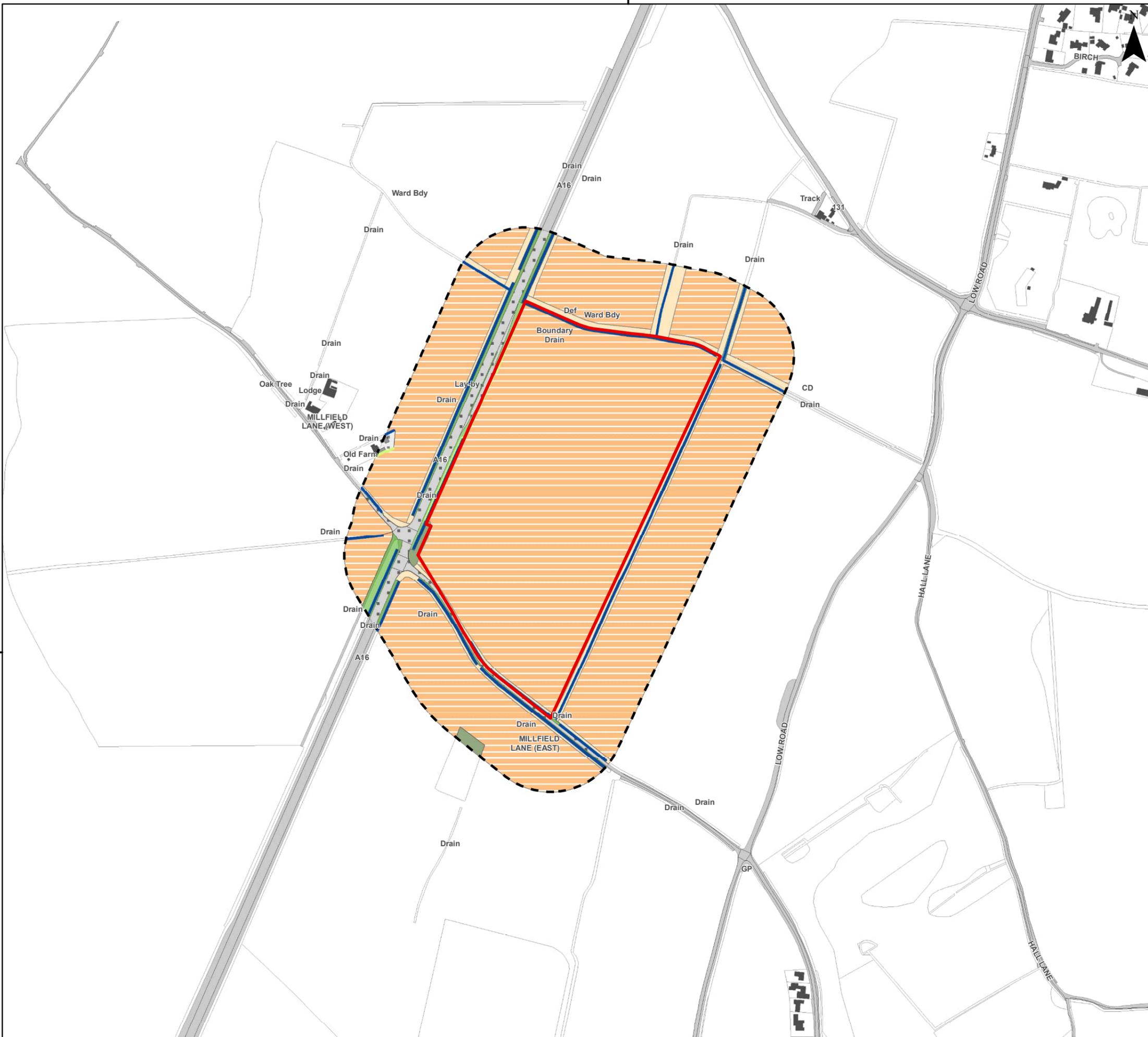
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Legend

- 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

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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.39



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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

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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.40



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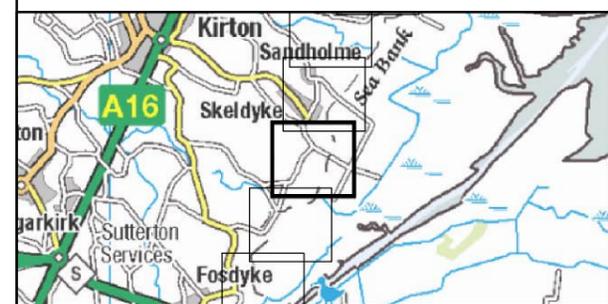
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Legend

- 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
- 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 21.2.2.41

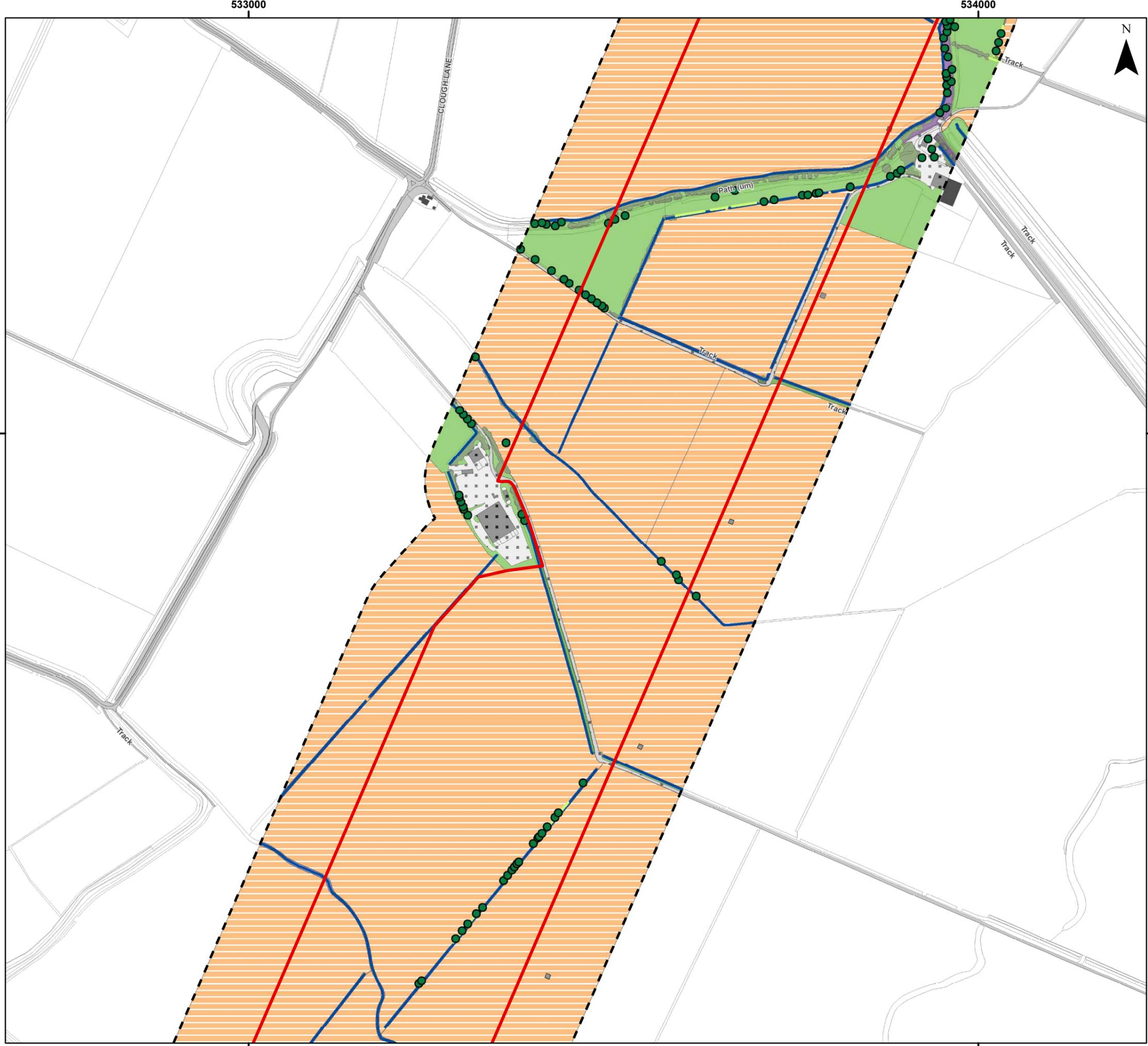




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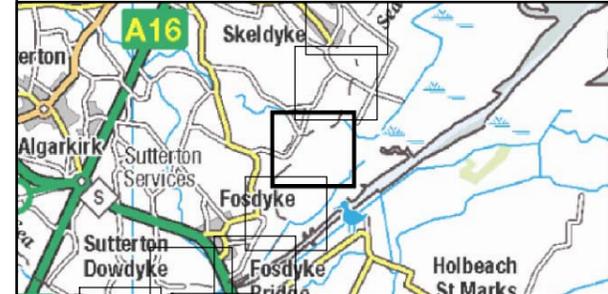
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Legend

- 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

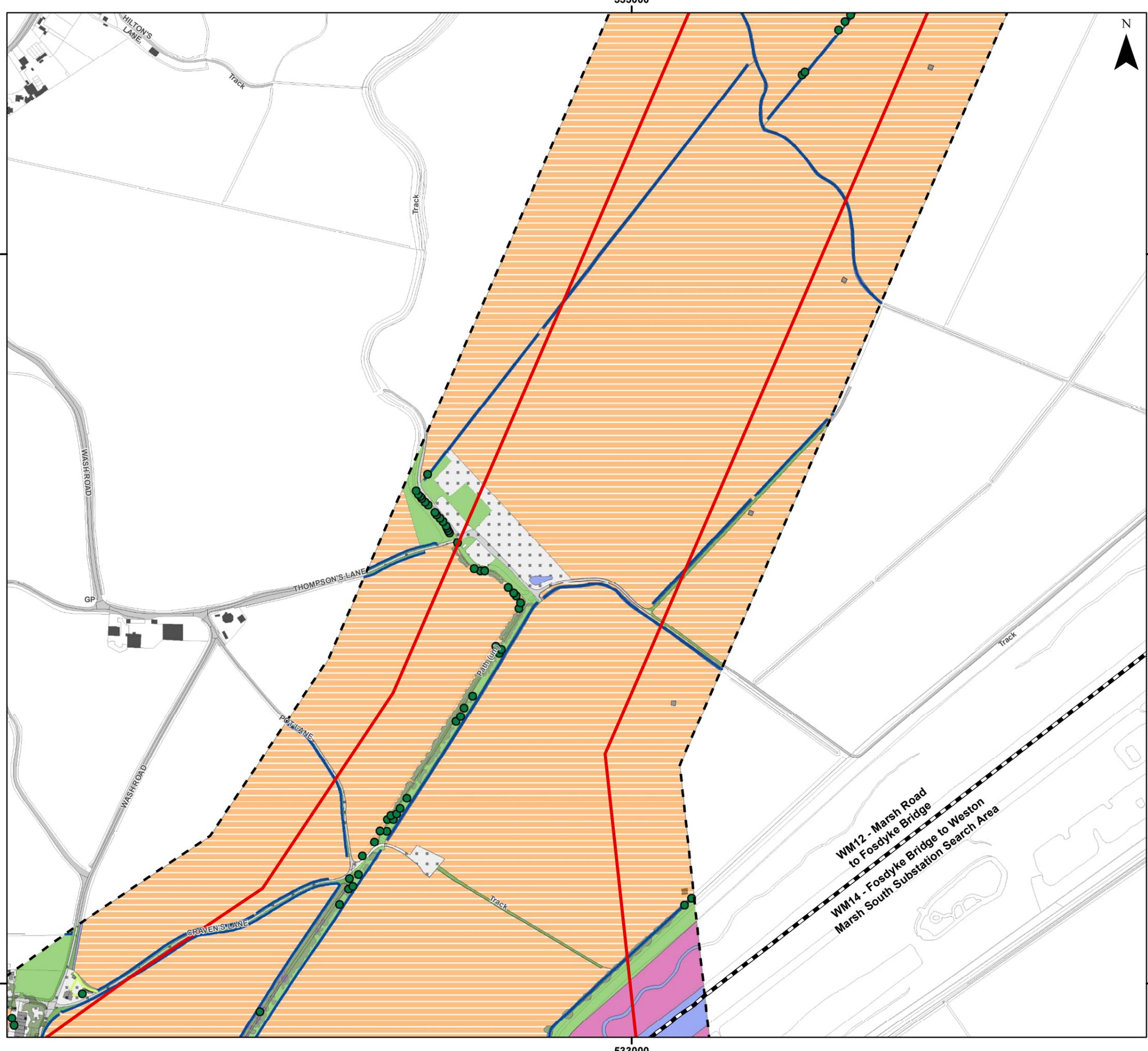


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Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.42



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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

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Weston Marsh
Habitats within PEIR Boundary

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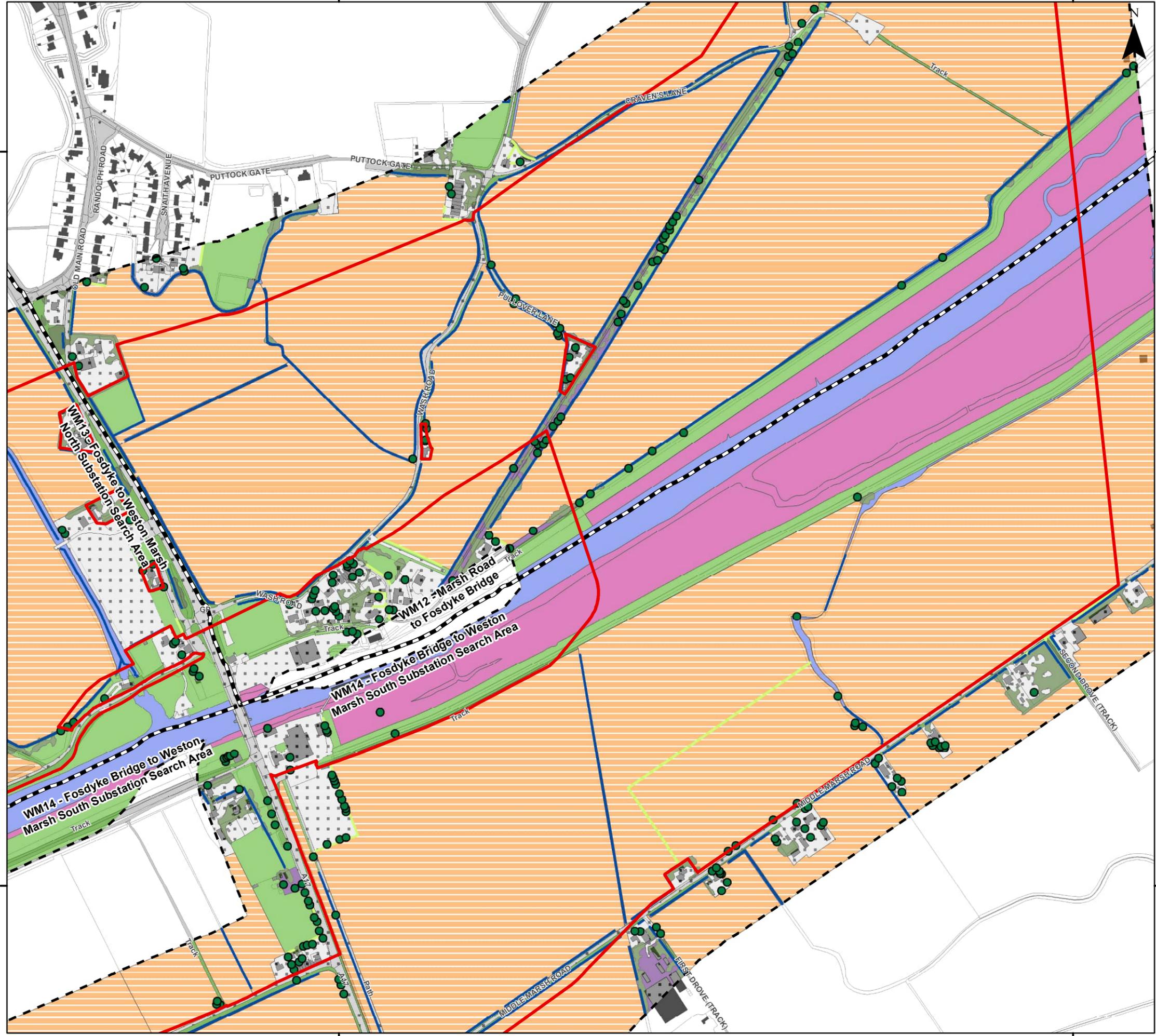
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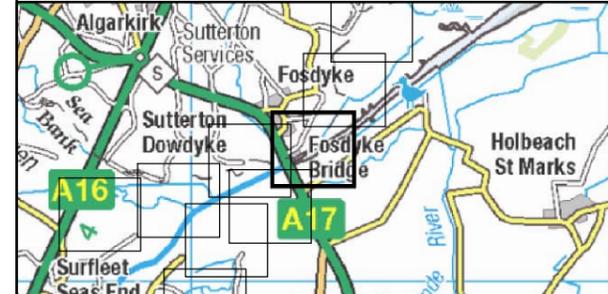
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Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Habitat Survey Area Weston Marsh (via South of the A52)
- Individual Tree
- UK Habitat Classification**
- 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 21.2.2.44

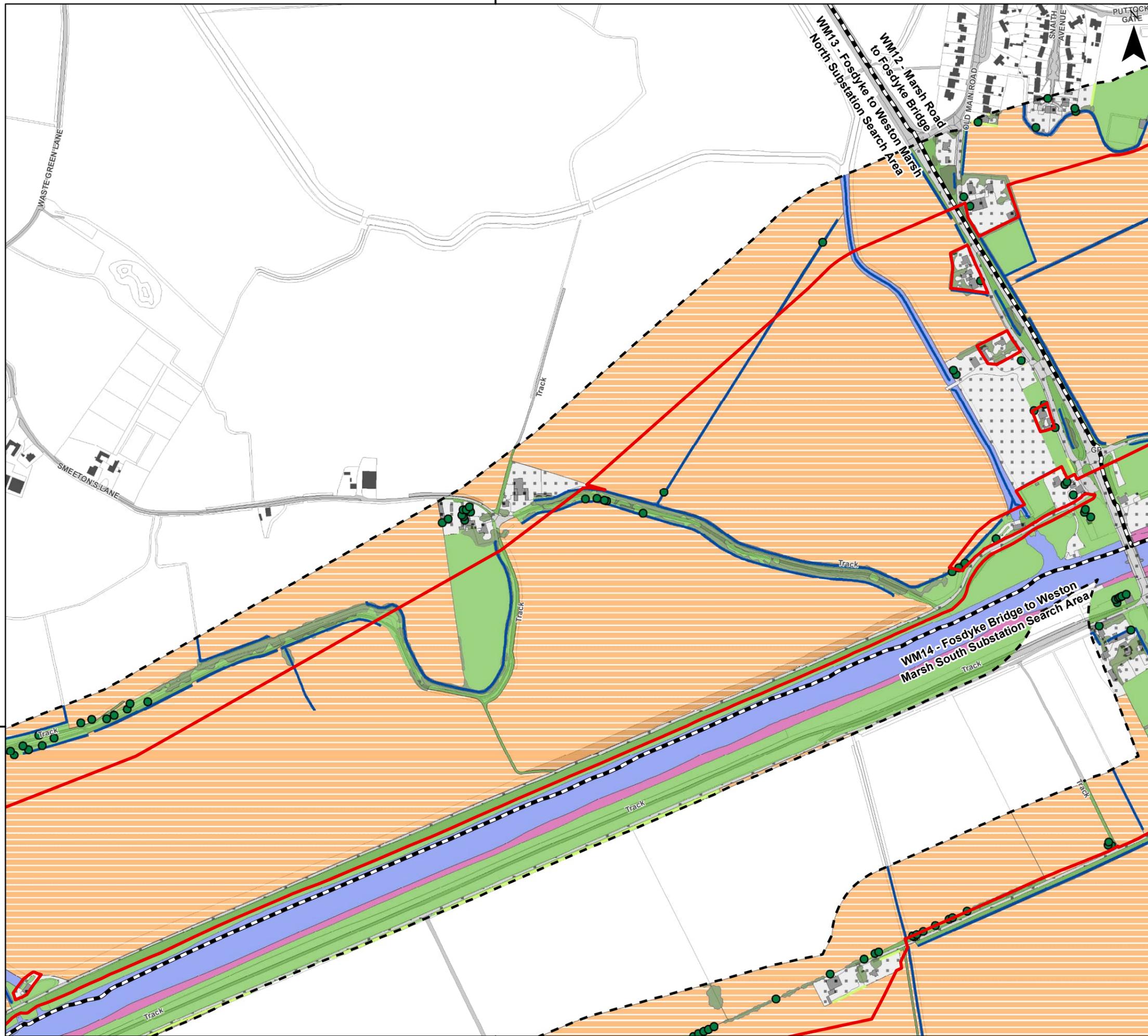


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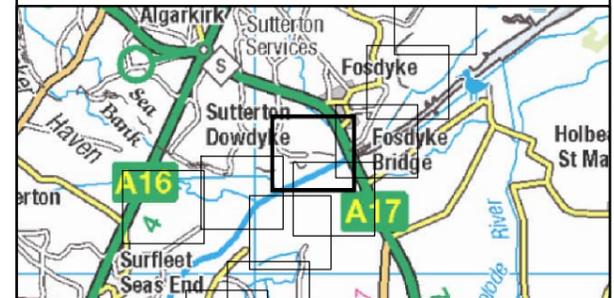
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Legend

- 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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Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.45



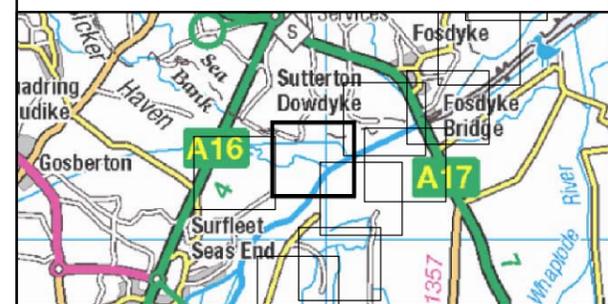
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- Legend**
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers 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 21.2.2.46

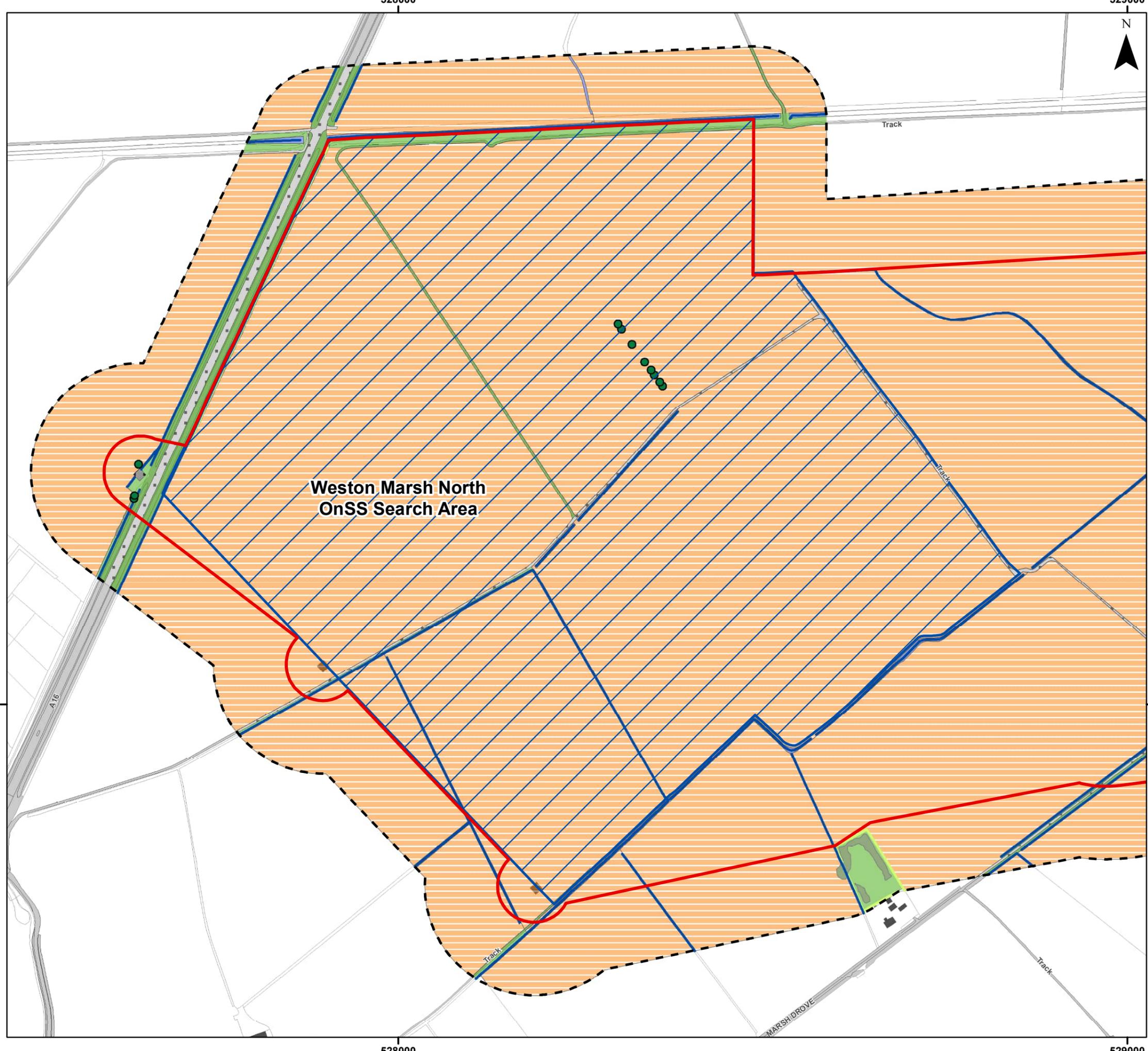


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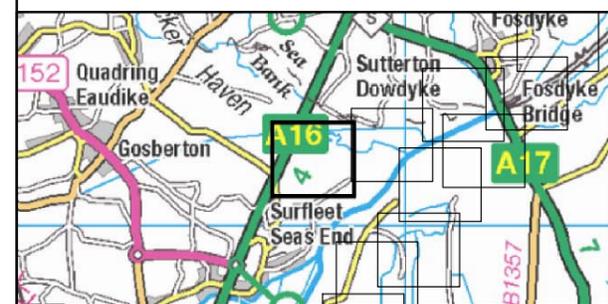


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- ### Legend
- Onshore PEIR Boundary
 - Weston Marsh North OnSS Search Area
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers 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

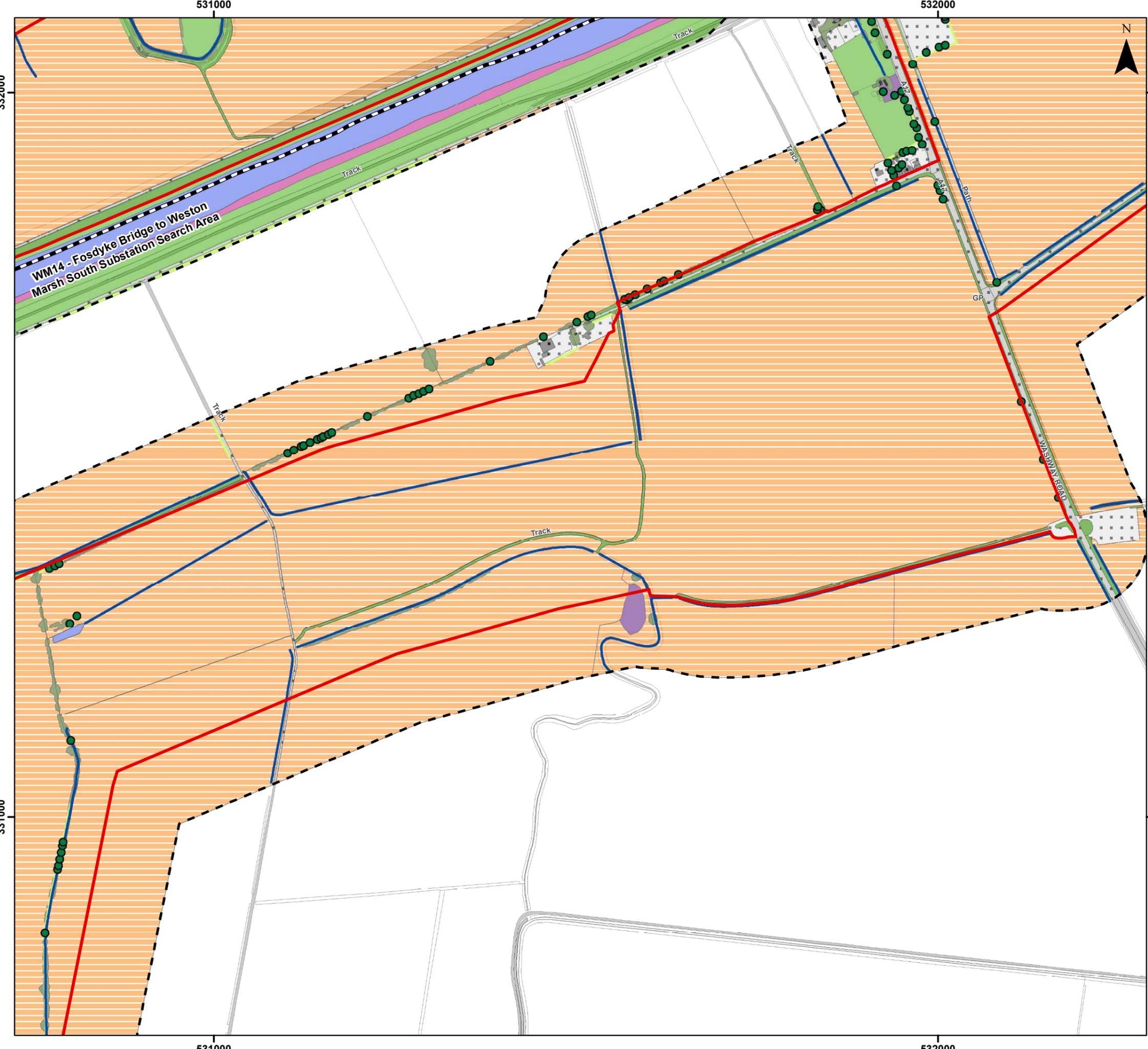


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Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.47



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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

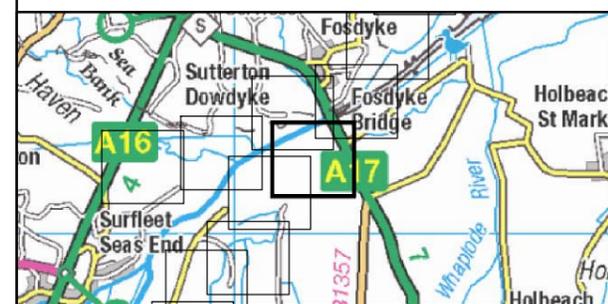
- u1 - Built-up Area and Garden

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 21.2.2.48



OUTER DOWSING
OFFSHORE WIND



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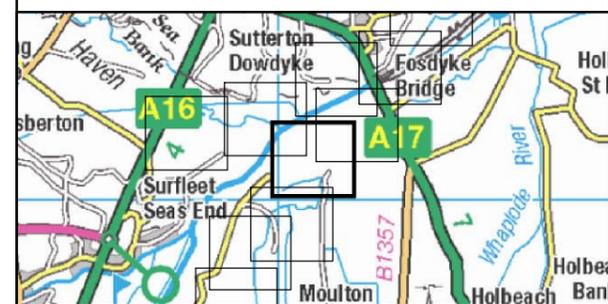
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- ### Legend
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers 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



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

Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.49

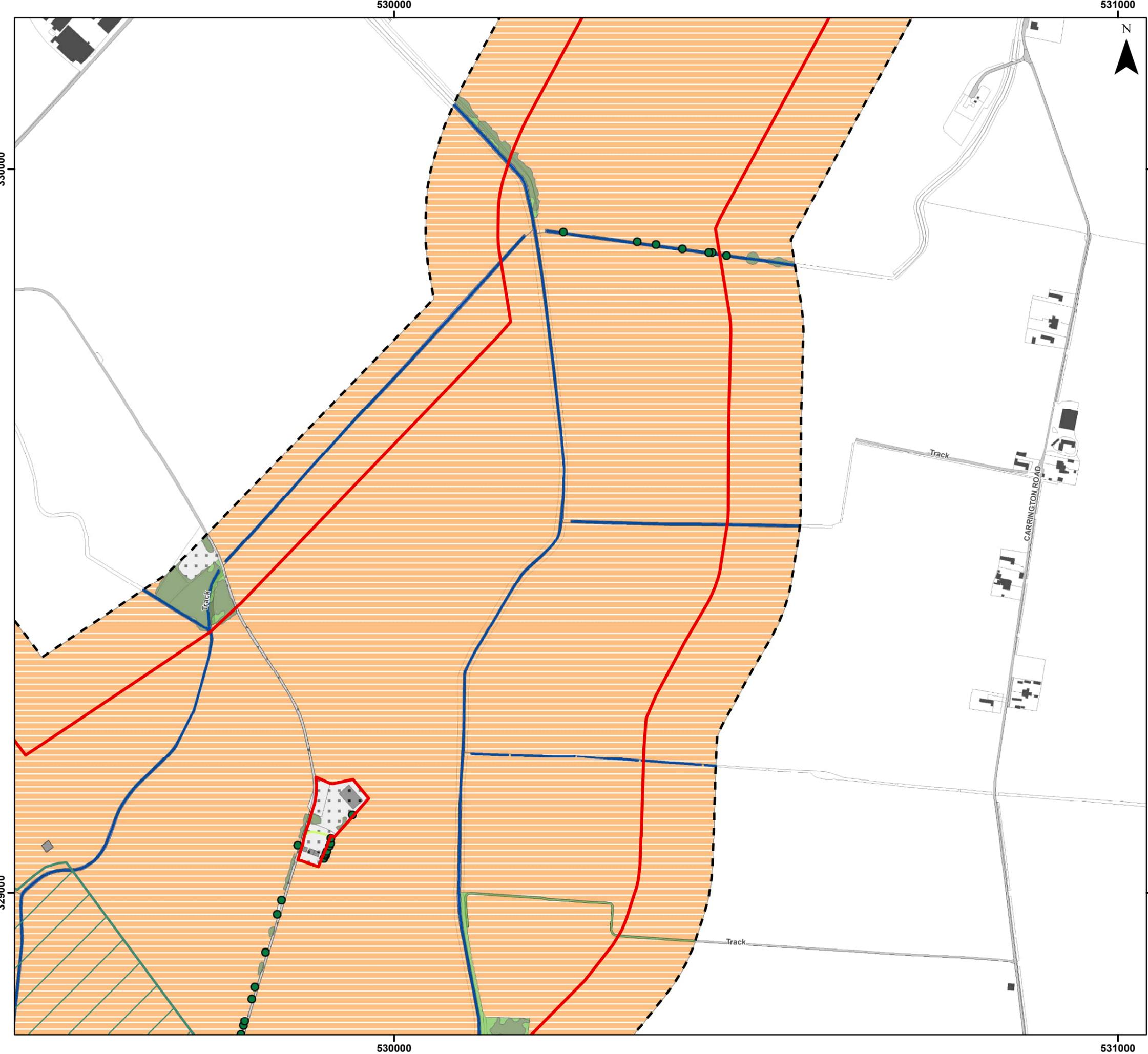




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- ### Legend
- Onshore PEIR Boundary
 - Weston Marsh South OnSS Search Area
 - Habitat Survey Area Weston Marsh (via South of the A52)
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers 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

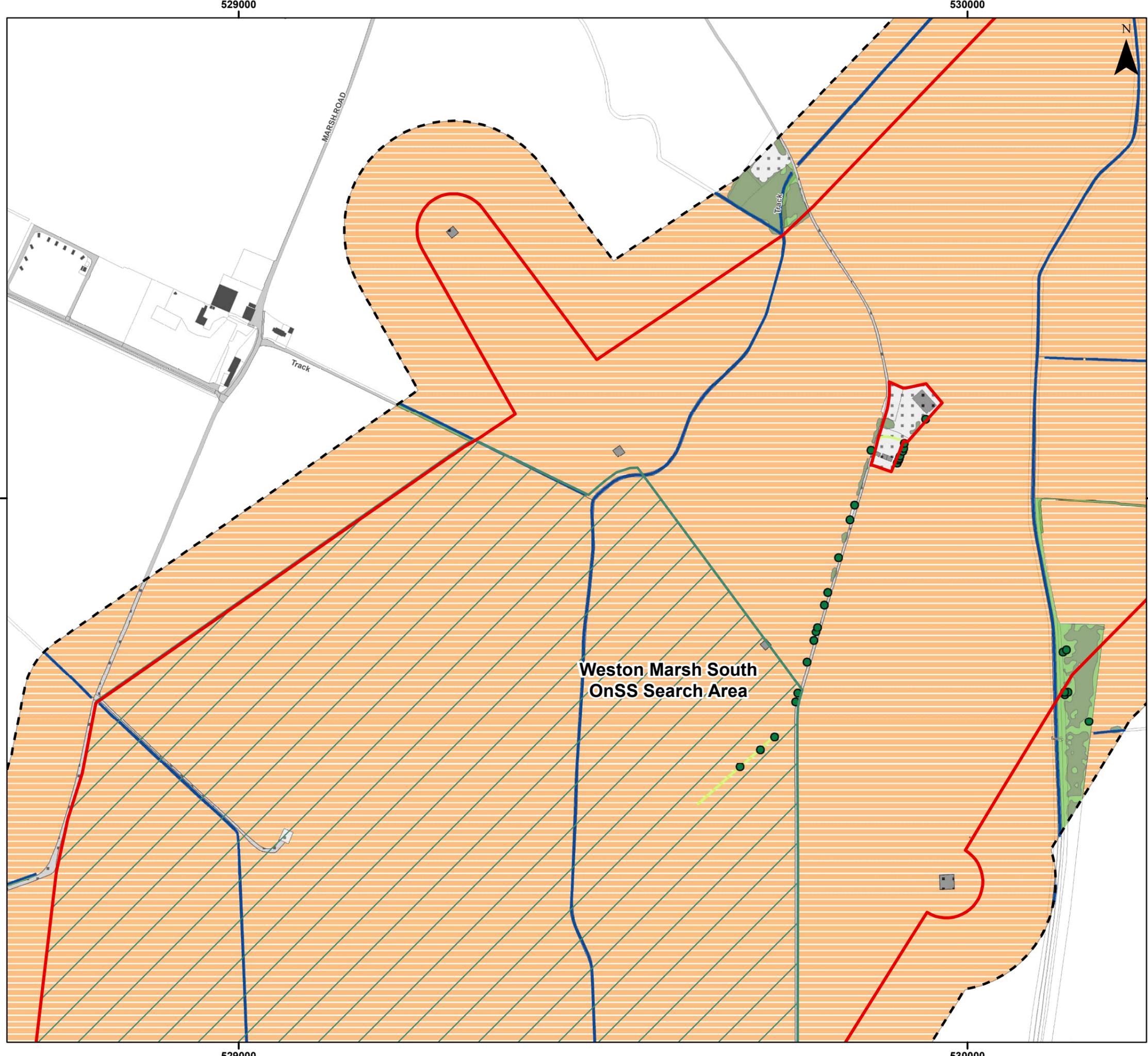


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 Scale: 1:5,000

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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.50



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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

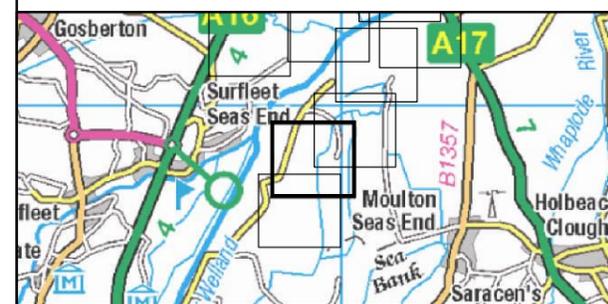
- r - Rivers and Lakes

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

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.51

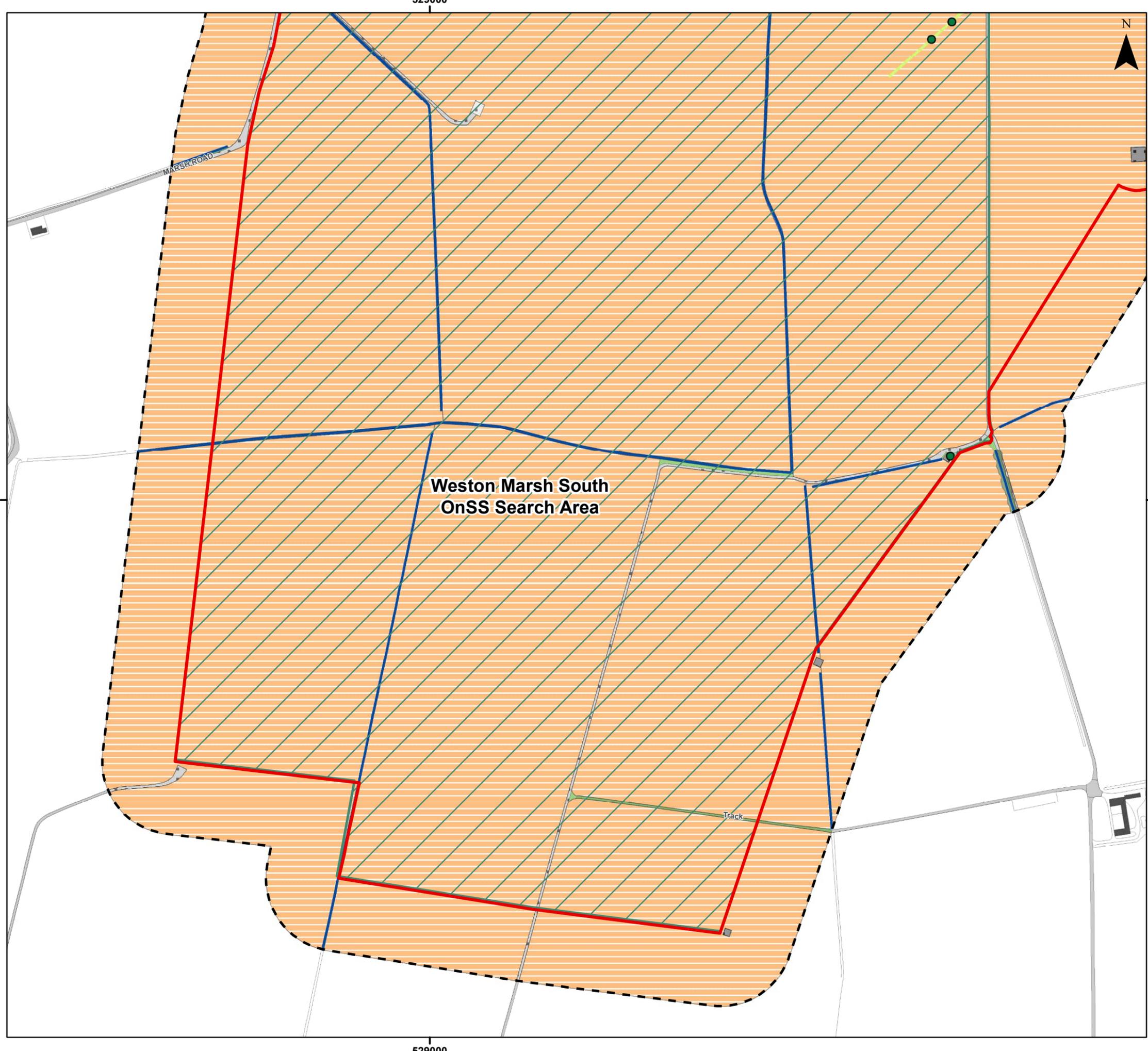




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Legend

- 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

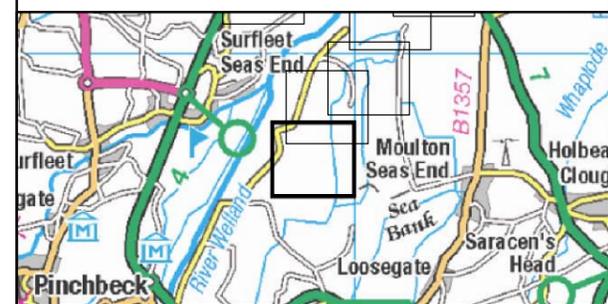
- r - Rivers and Lakes

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

0 125 250 Metres

Scale: 1:5,000

Preliminary Environmental Information Report

Weston Marsh Habitats within PEIR Boundary

Figure 21.2.2.52



OUTER DOWSING
OFFSHORE WIND



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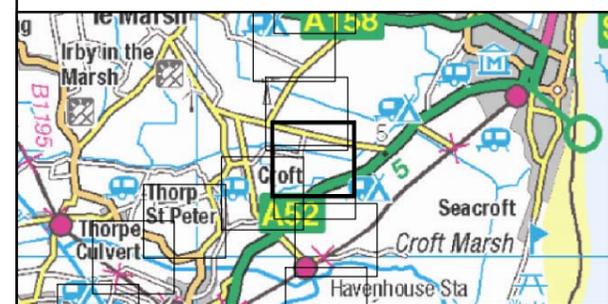
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- Legend**
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and Lakes - Rivers and Streams**
- r2 - River and Stream
- Cropland - Arable and Horticulture**
- c1 - Arable and Horticulture
- 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 21.2.2.53

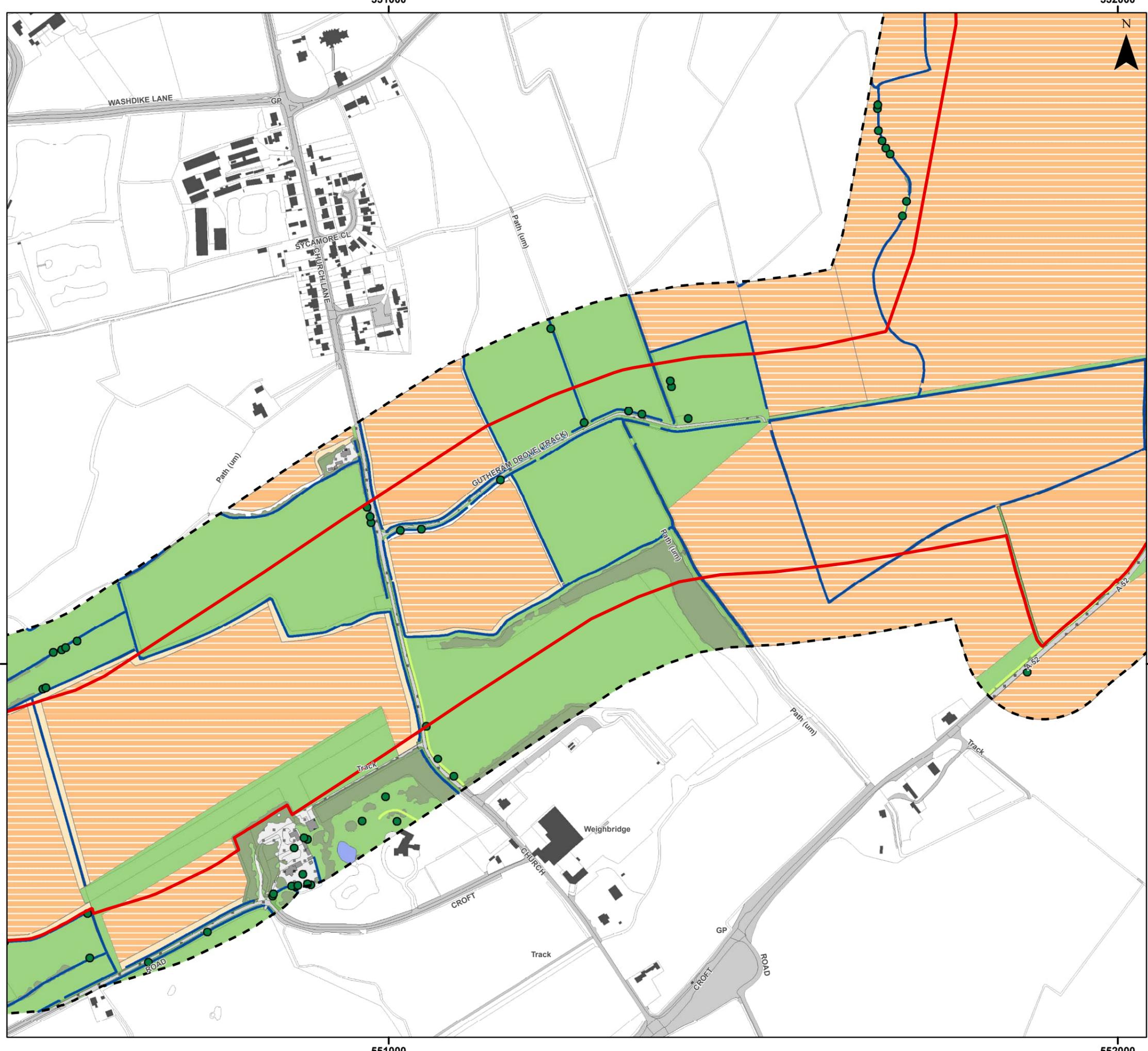


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- ### Legend
- Onshore PEIR Boundary
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and 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 21.2.2.54

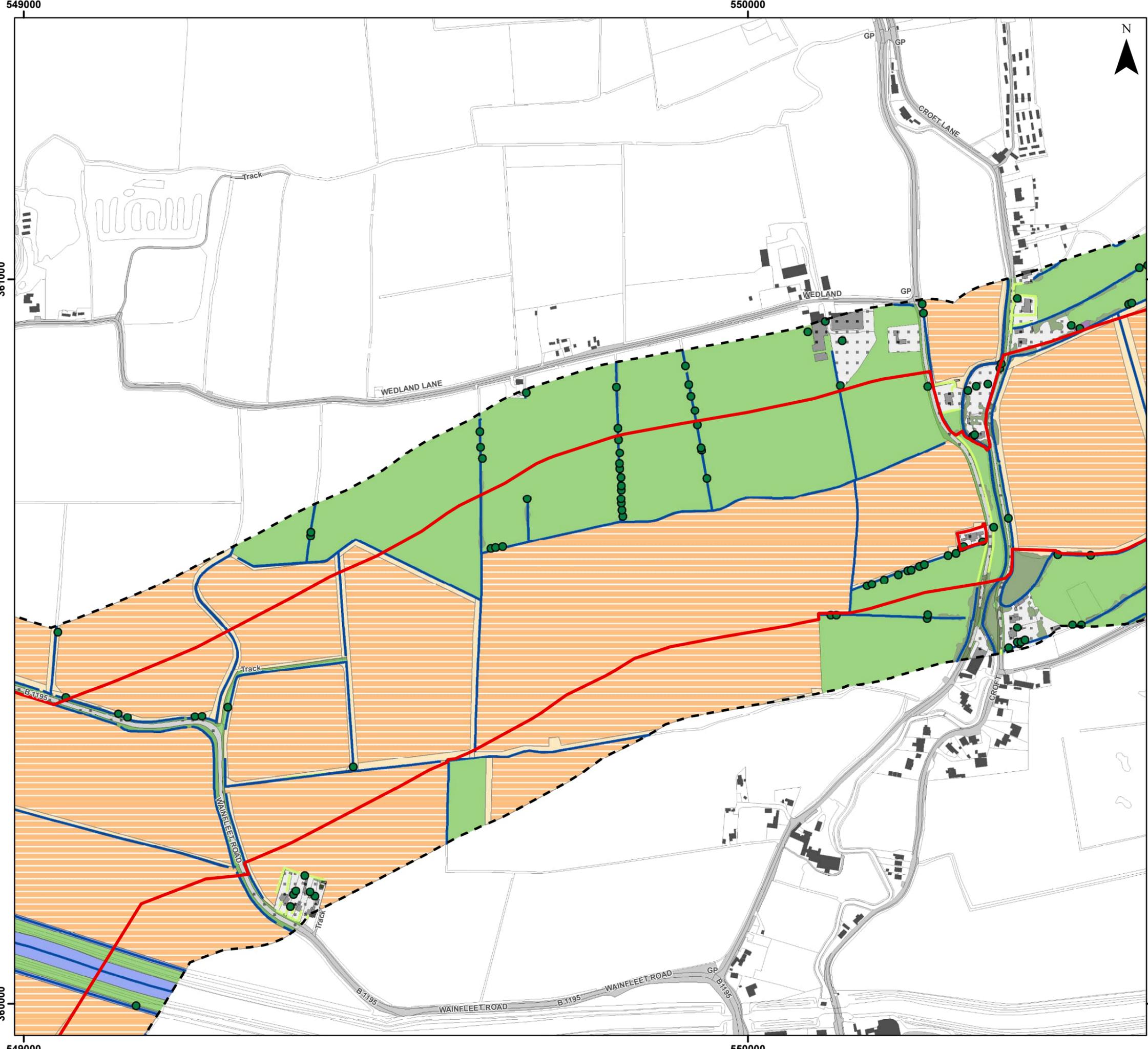




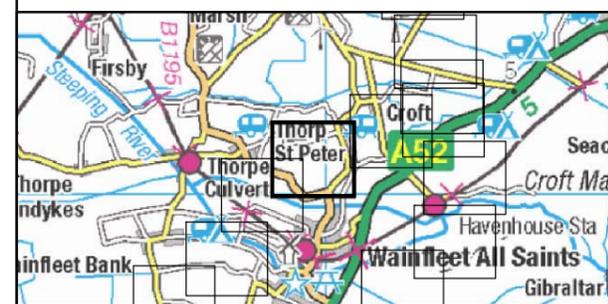
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- ### Legend
- Onshore PEIR Boundary
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and 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
 0 125 250 Metres
 Scale: 1:5,000

Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.55

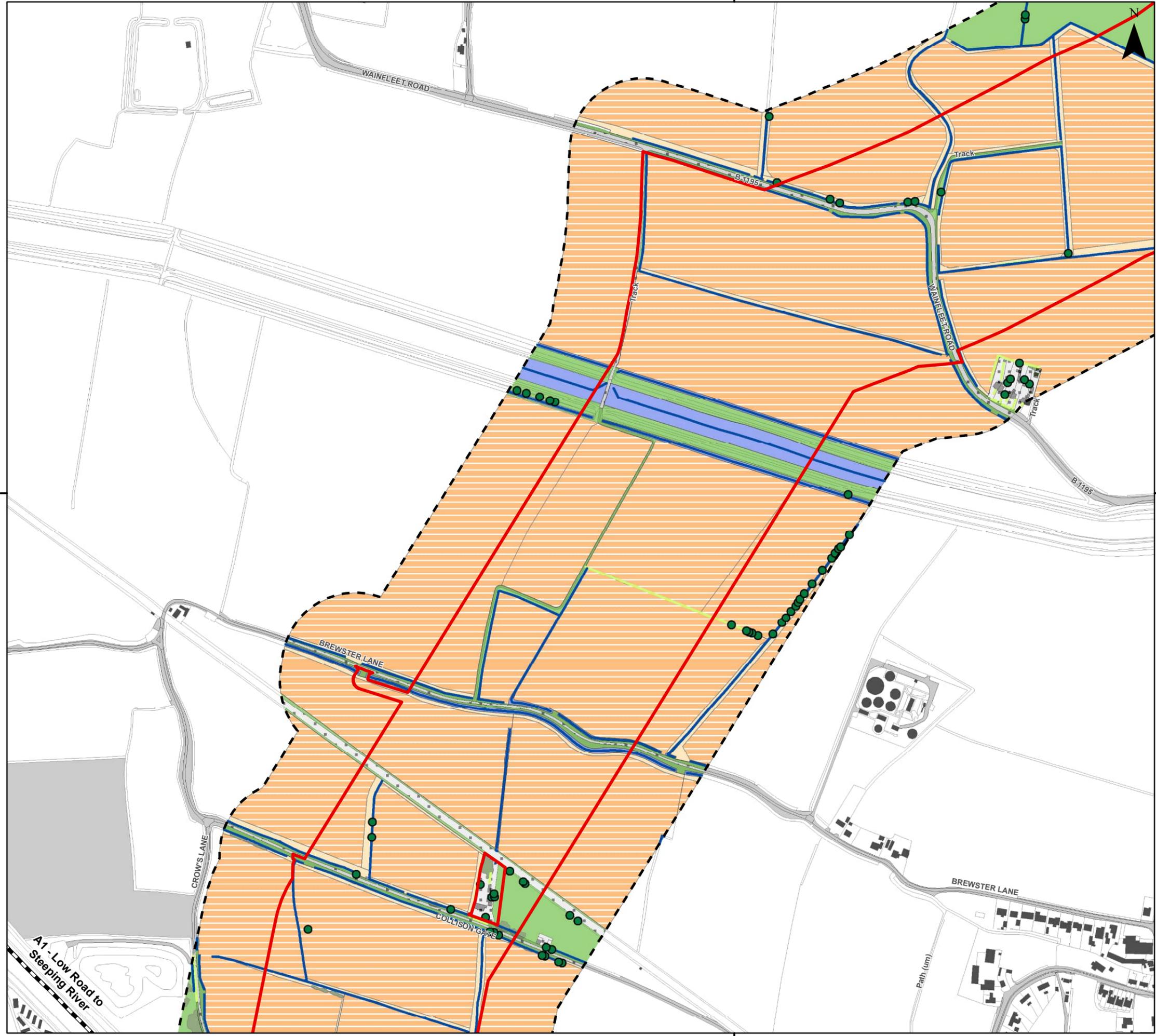


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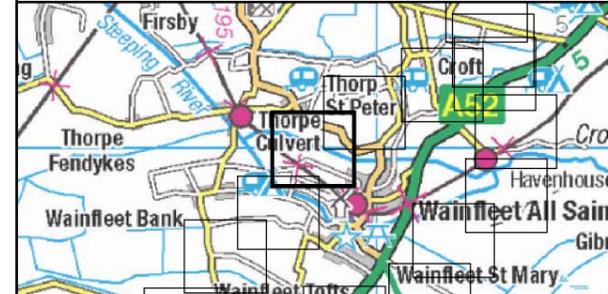
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Legend

- 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
 0 125 250 Metres
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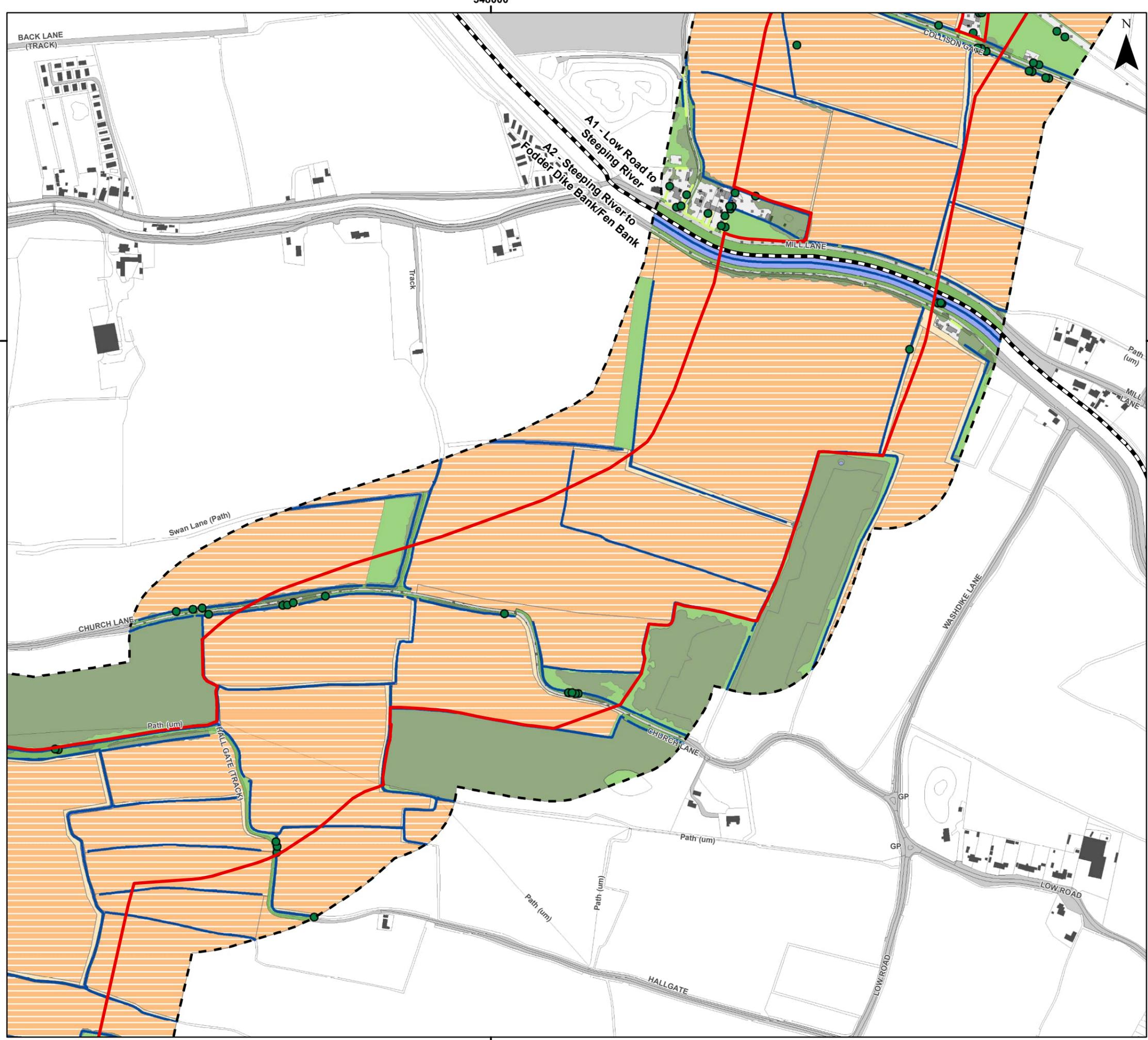
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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.56



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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

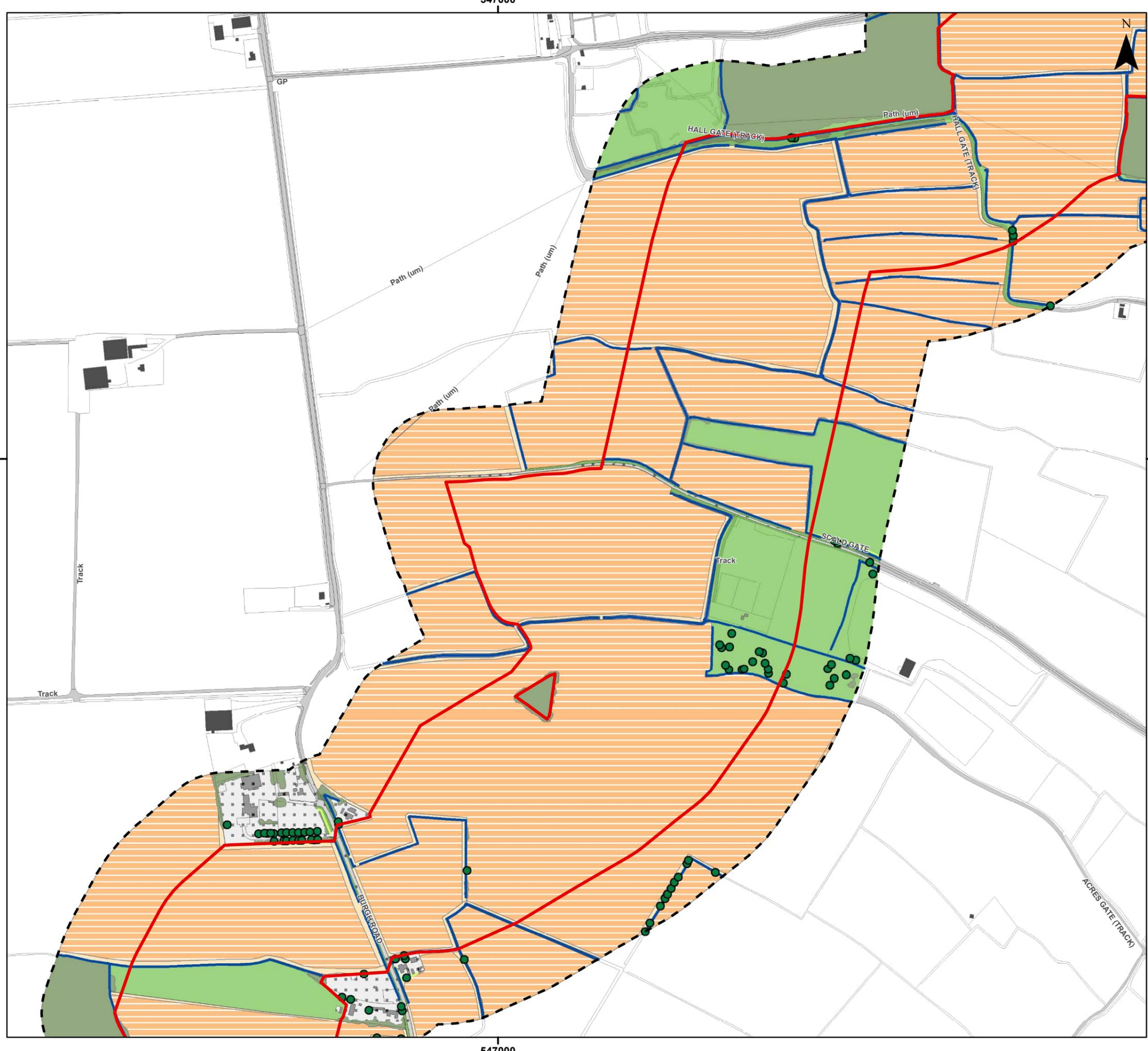
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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.57

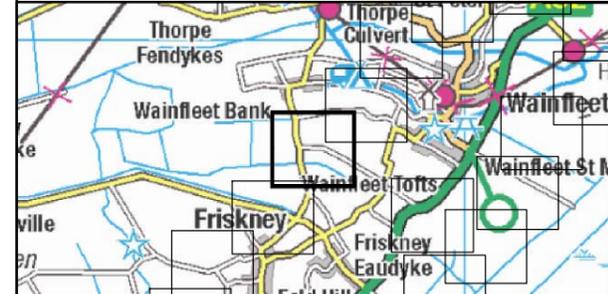


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Legend

- 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



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

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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.58

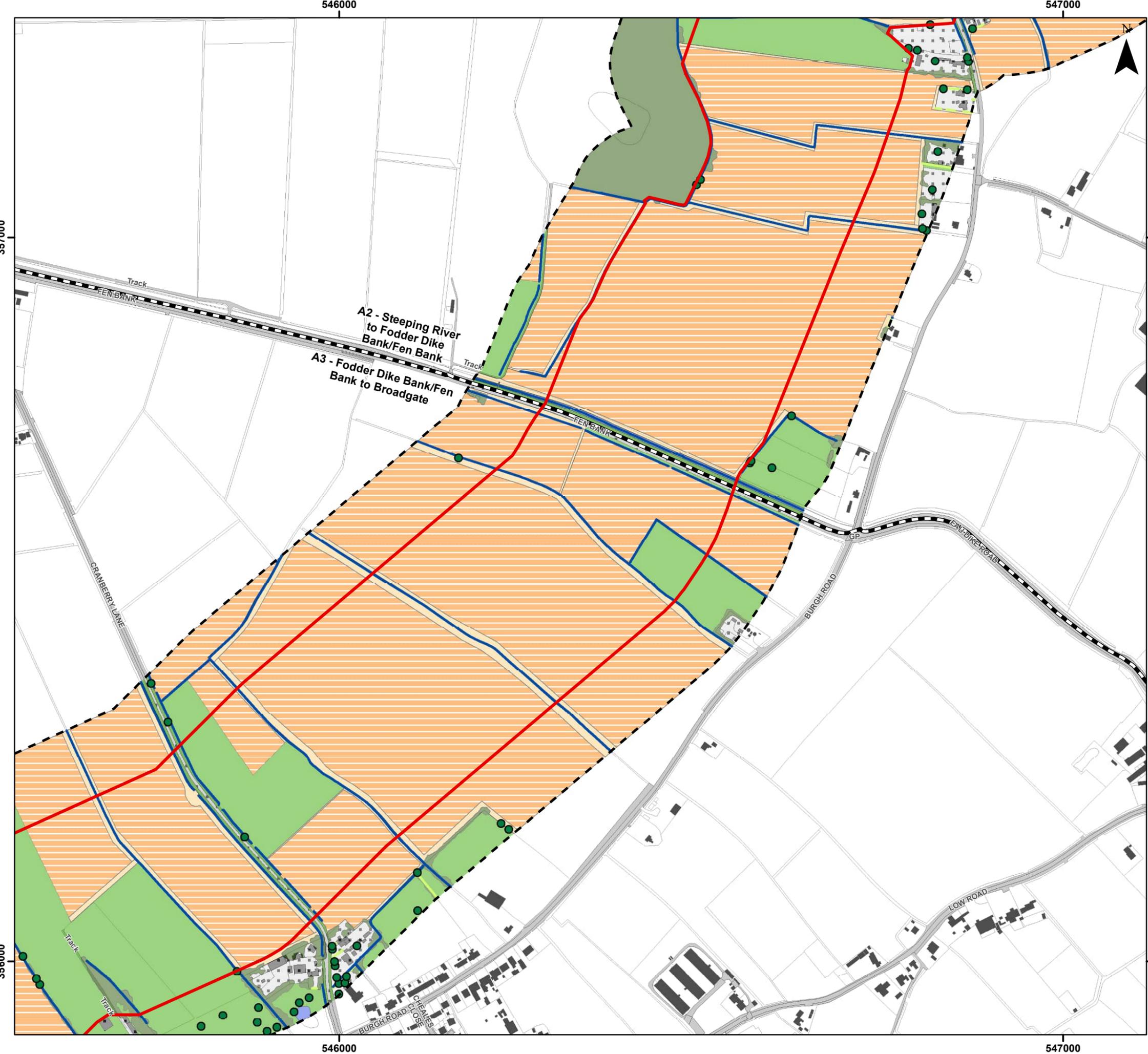


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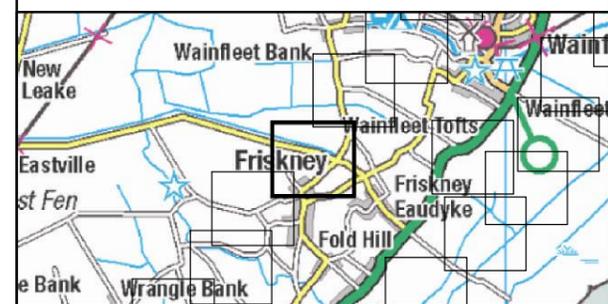


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- Legend**
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
- UK Habitat Classification**
- Heathland and Shrub - Hedgerows**
- h2 - Hedgerow
- Rivers and 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

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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.59

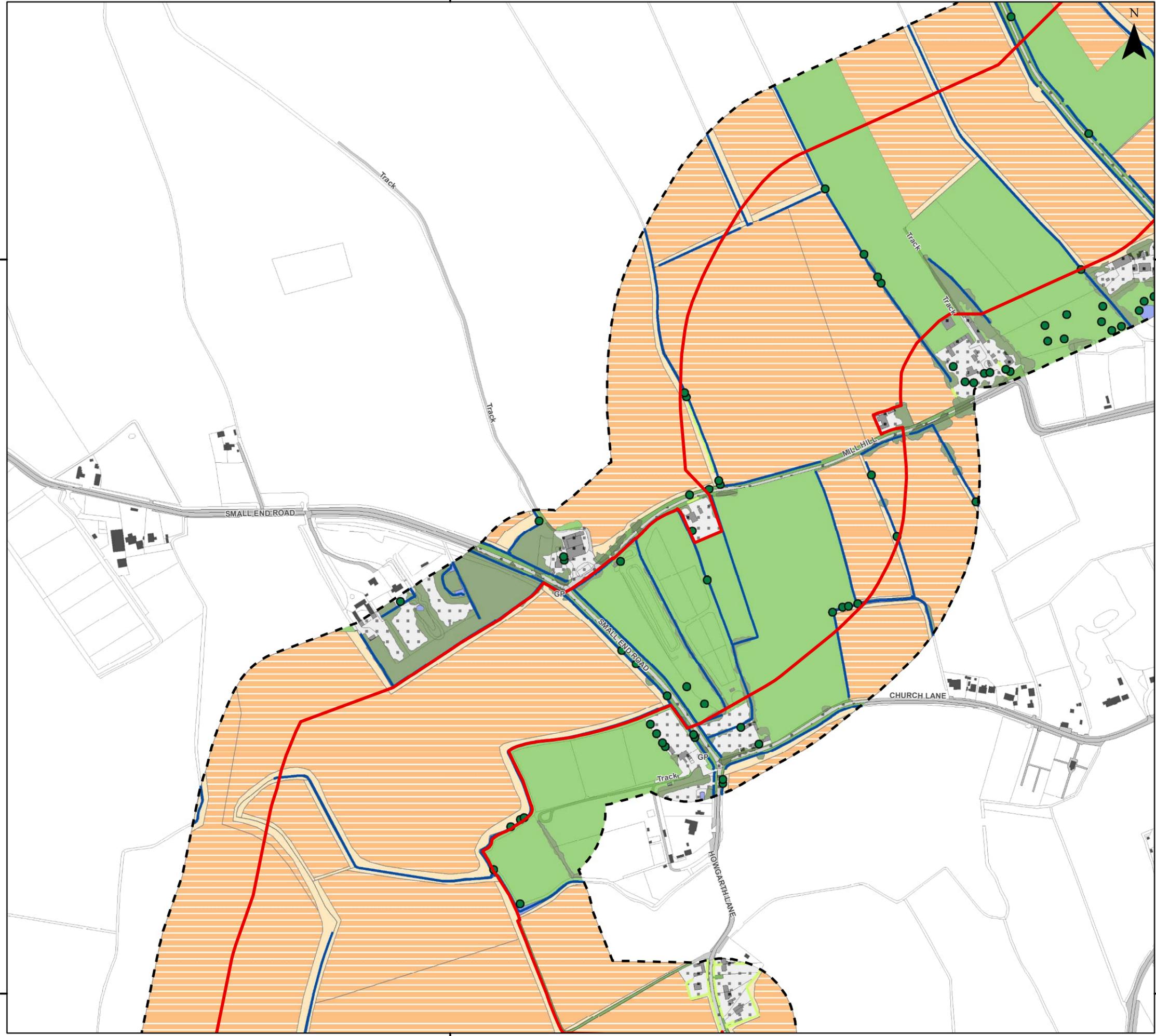


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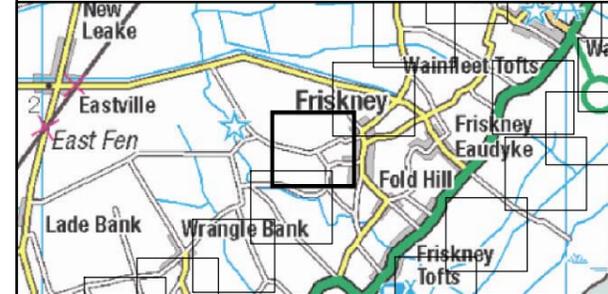
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Legend

- 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 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

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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.60



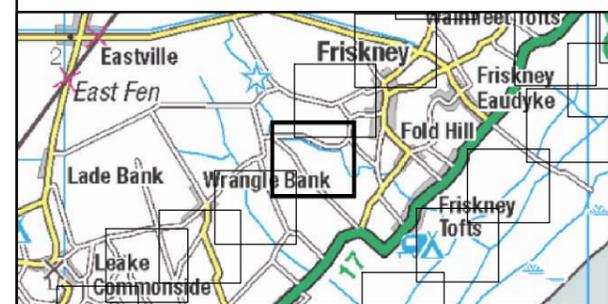
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- ### Legend
- Onshore PEIR Boundary
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and 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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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.61



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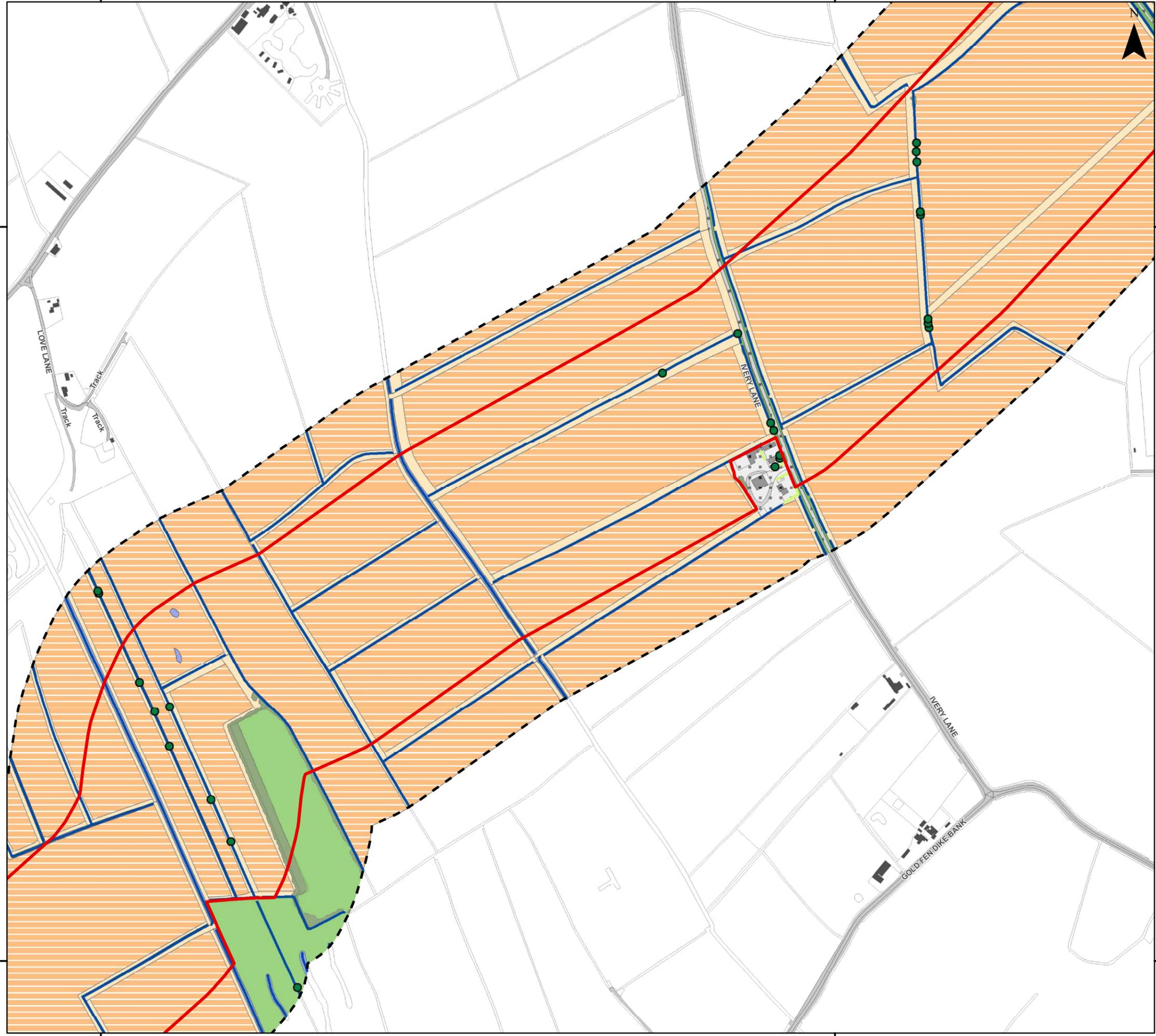


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Legend

- 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



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 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.62

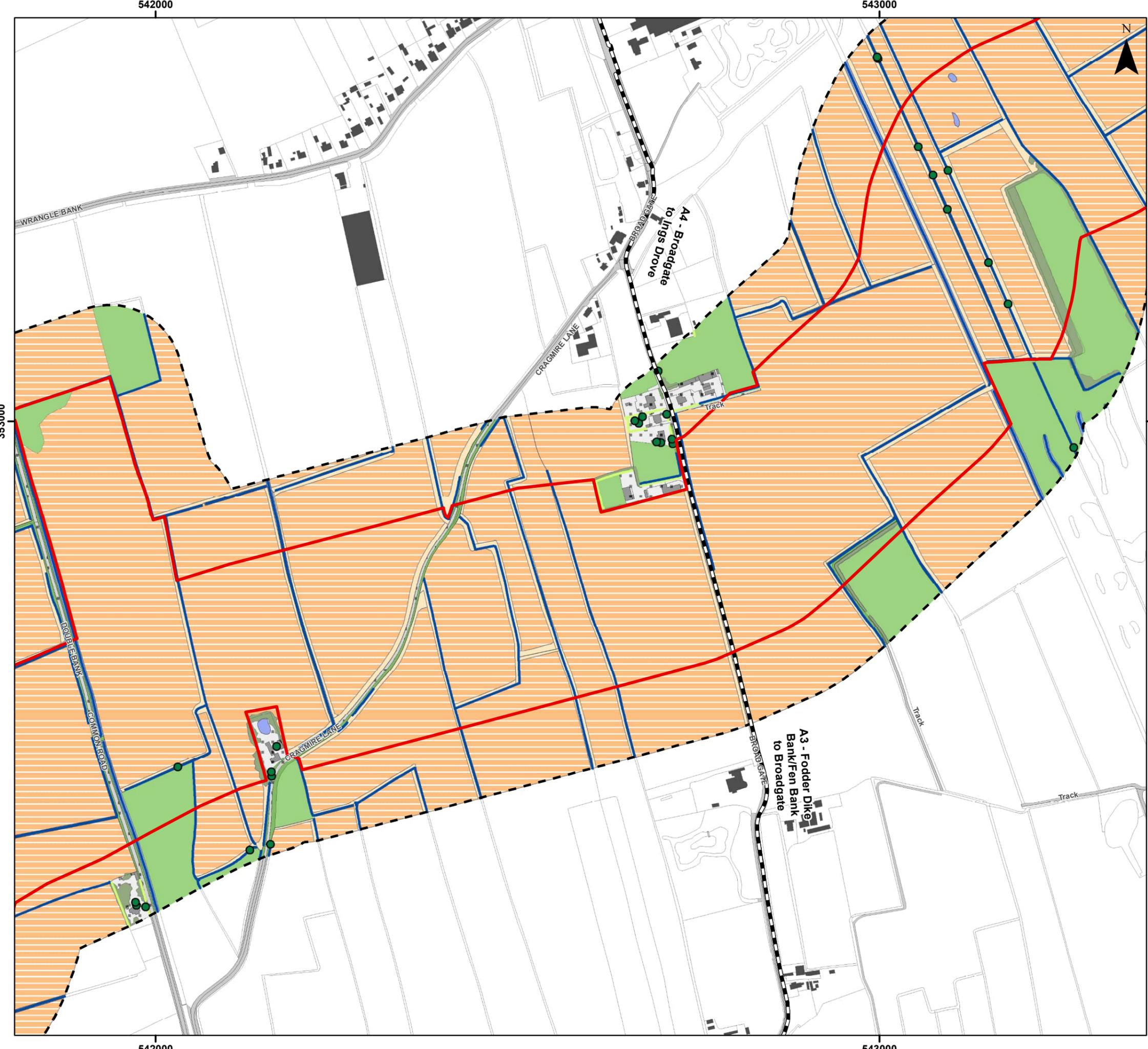


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Legend

- 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

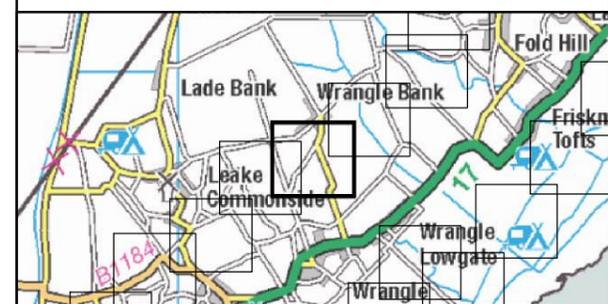
- r - Rivers and Lakes

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

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Weston Marsh
Habitats within PEIR Boundary

Figure 21.2.2.63





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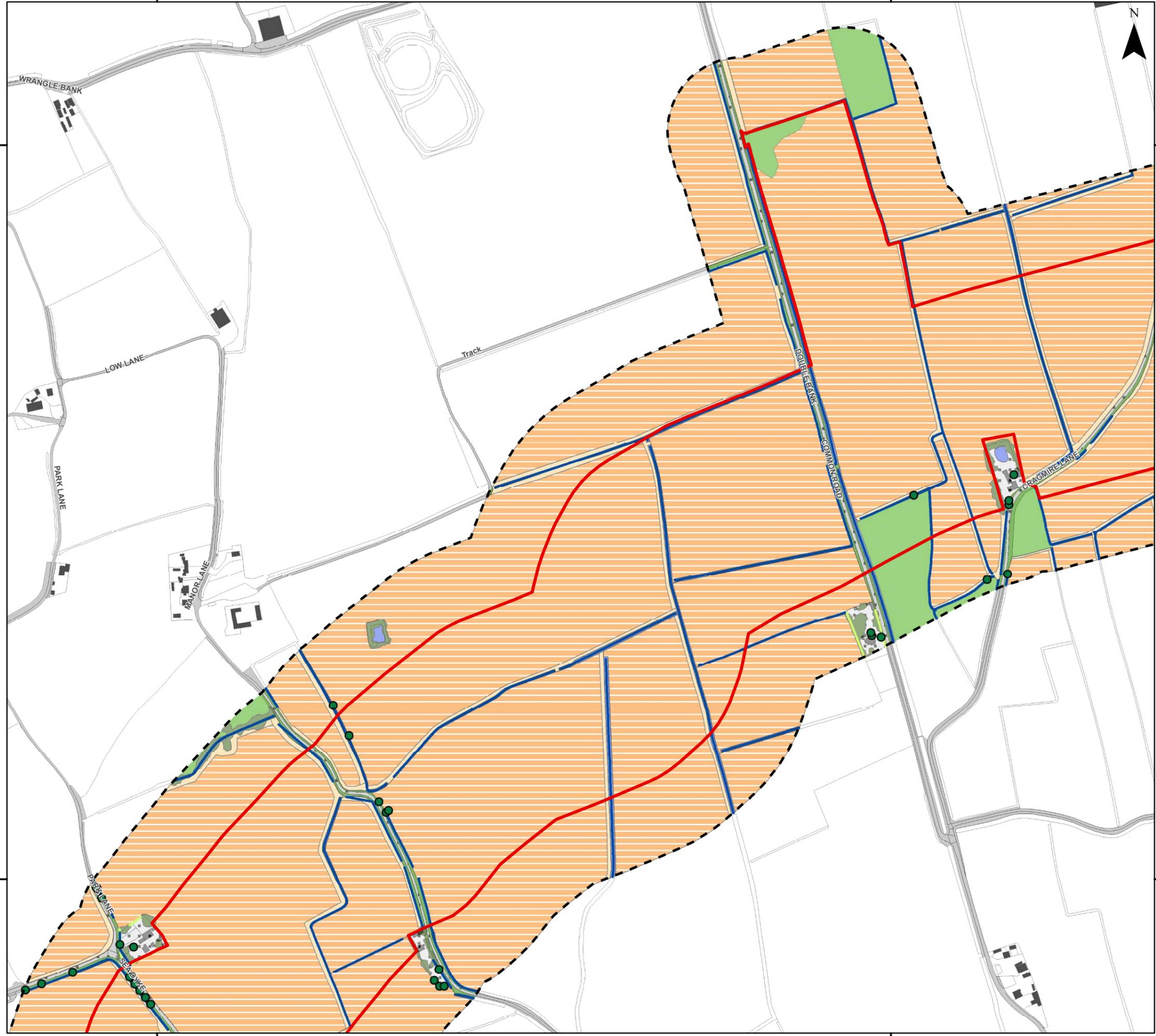
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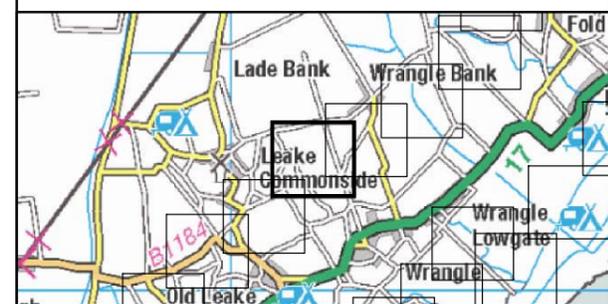
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Legend

- 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
 0 125 250 Metres
 Scale: 1:5,000

Preliminary Environmental Information Report
 Weston Marsh
 Habitats within PEIR Boundary
 Figure 21.2.2.64

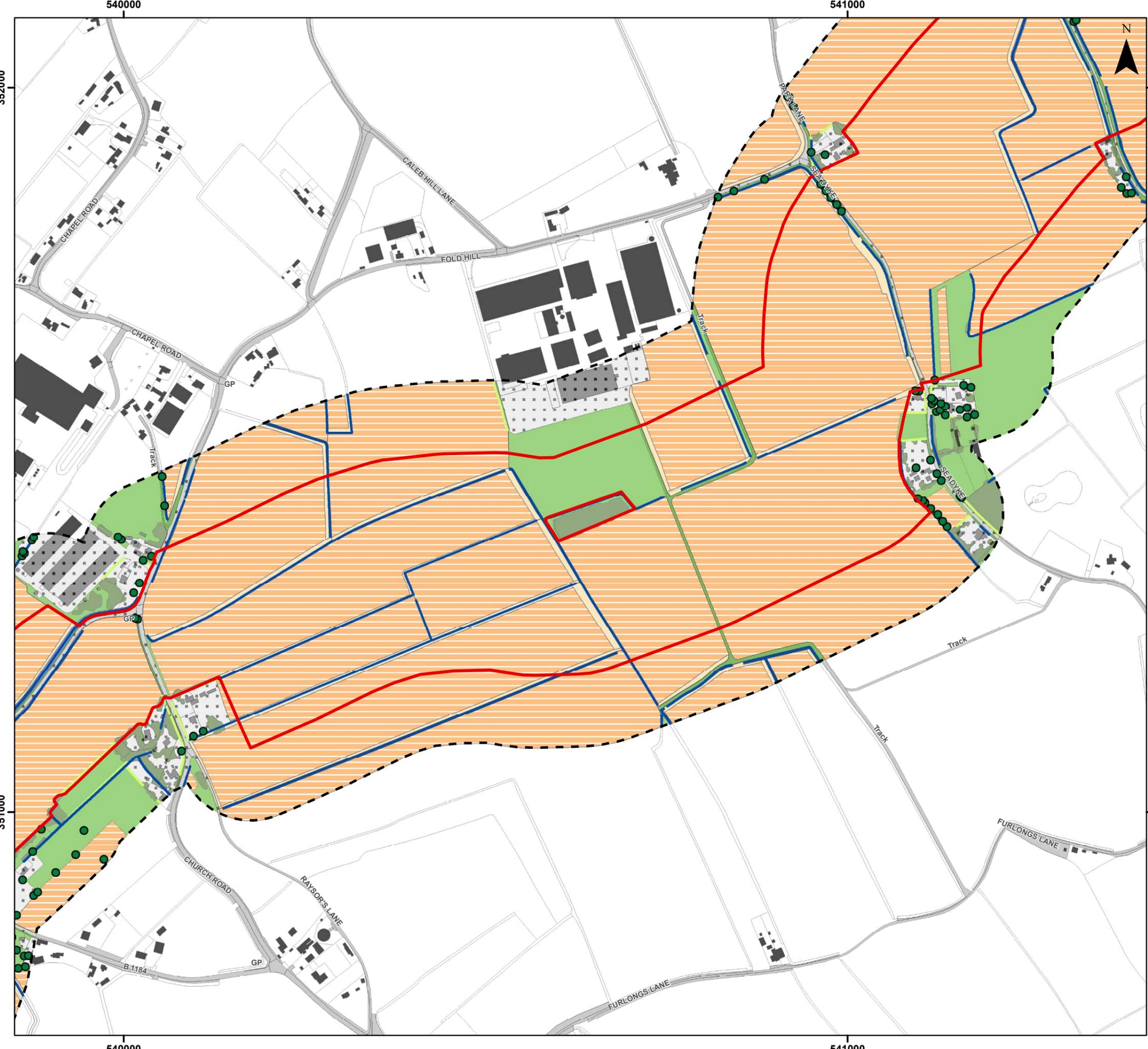


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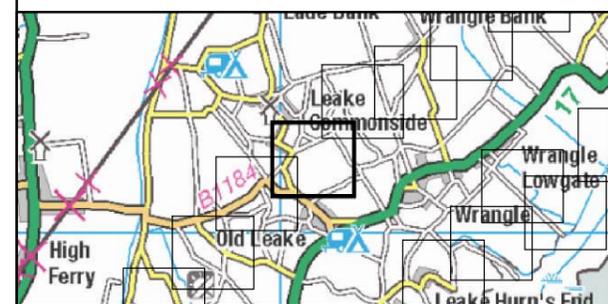


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- Legend**
- Onshore PEIR Boundary
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and Streams**
 - 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 21.2.2.65

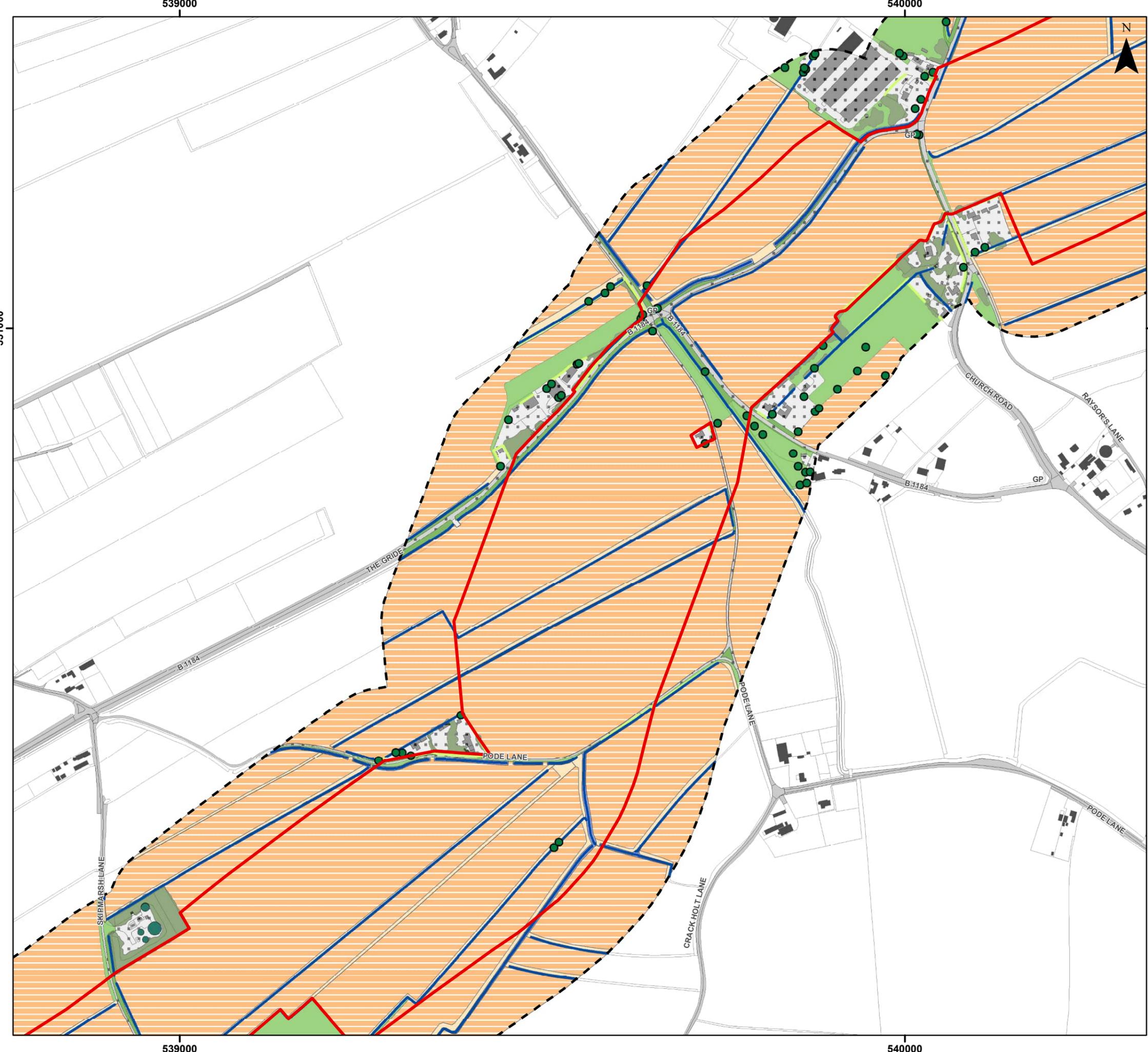




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Legend

- 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
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Scale: 1:5,000

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Weston Marsh
 Habitats within PEIR Boundary

Figure 21.2.2.66

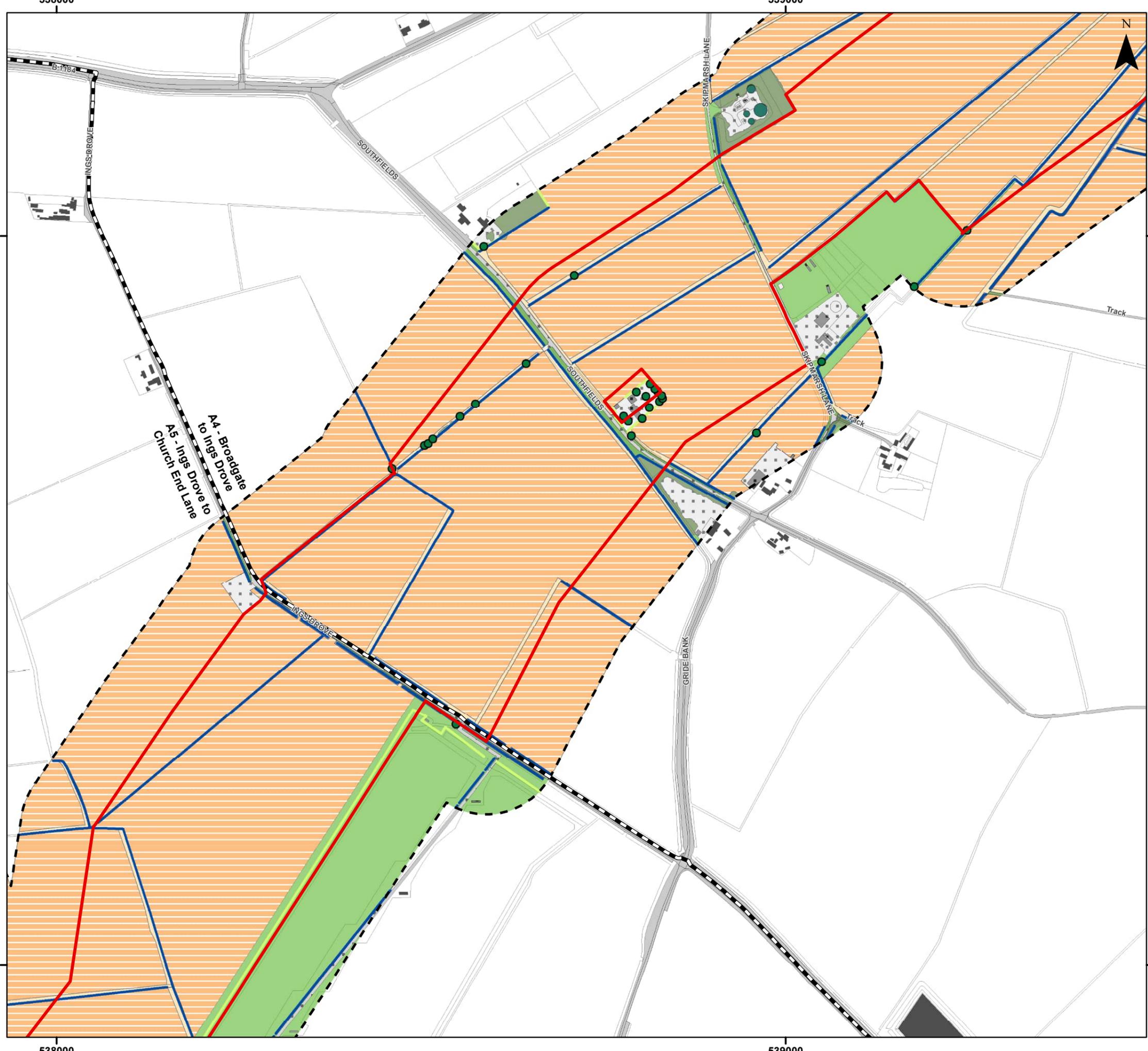


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- ### Legend
- Onshore PEIR Boundary
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers 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 21.2.2.67

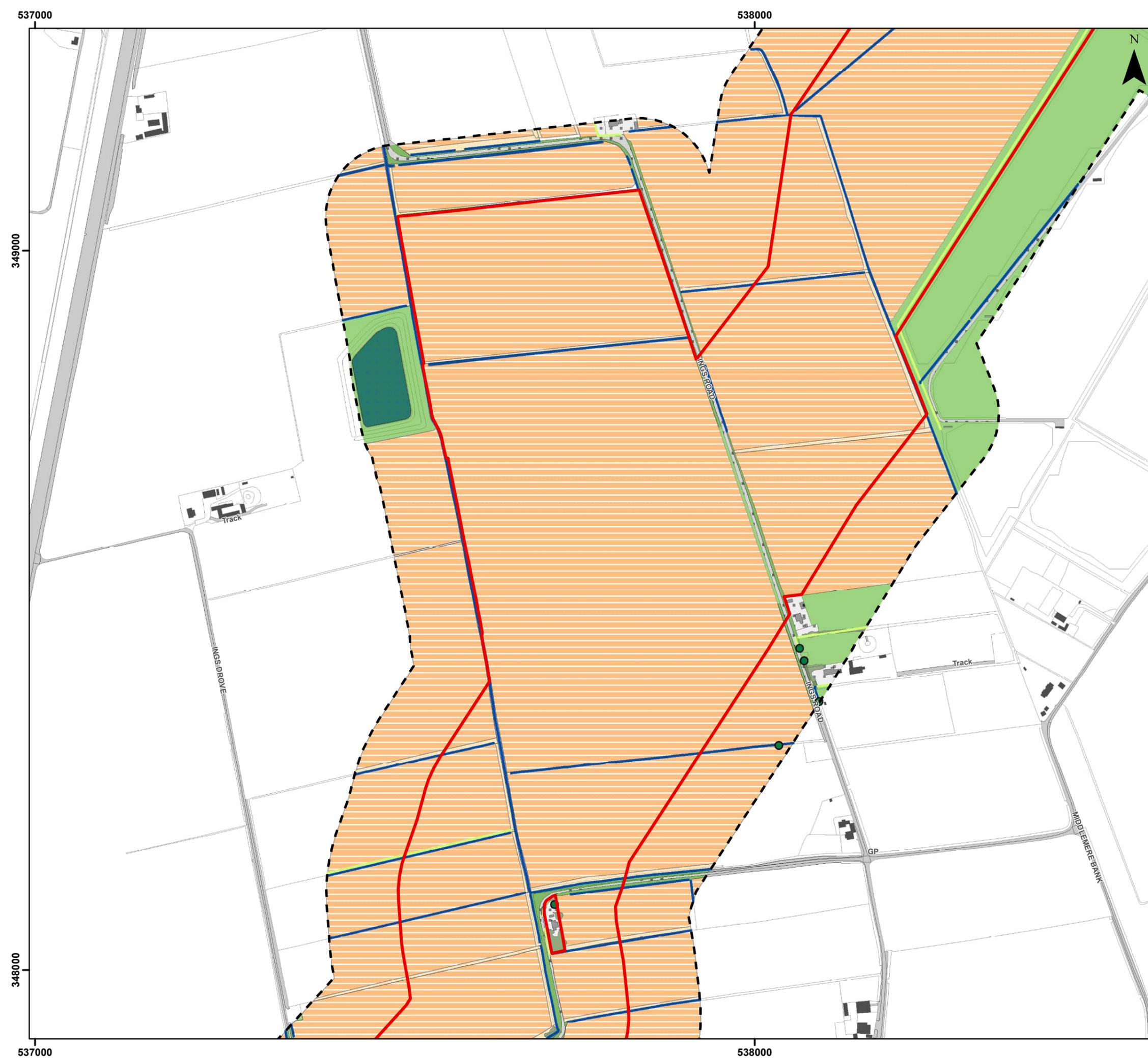


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- ### Legend
- Onshore PEIR Boundary
 - Onshore PEIR Boundary Weston Marsh (via North of the A52) 100 m Buffer
 - Individual Tree
 - UK Habitat Classification**
 - Heathland and Shrub - Hedgerows**
 - h2 - Hedgerow
 - Rivers and Lakes - Rivers and 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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 0 125 250 Metres
 Scale: 1:5,000

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 Weston Marsh
 Habitats within PEIR Boundary
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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 21.2.2.69



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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 21.2.2.70

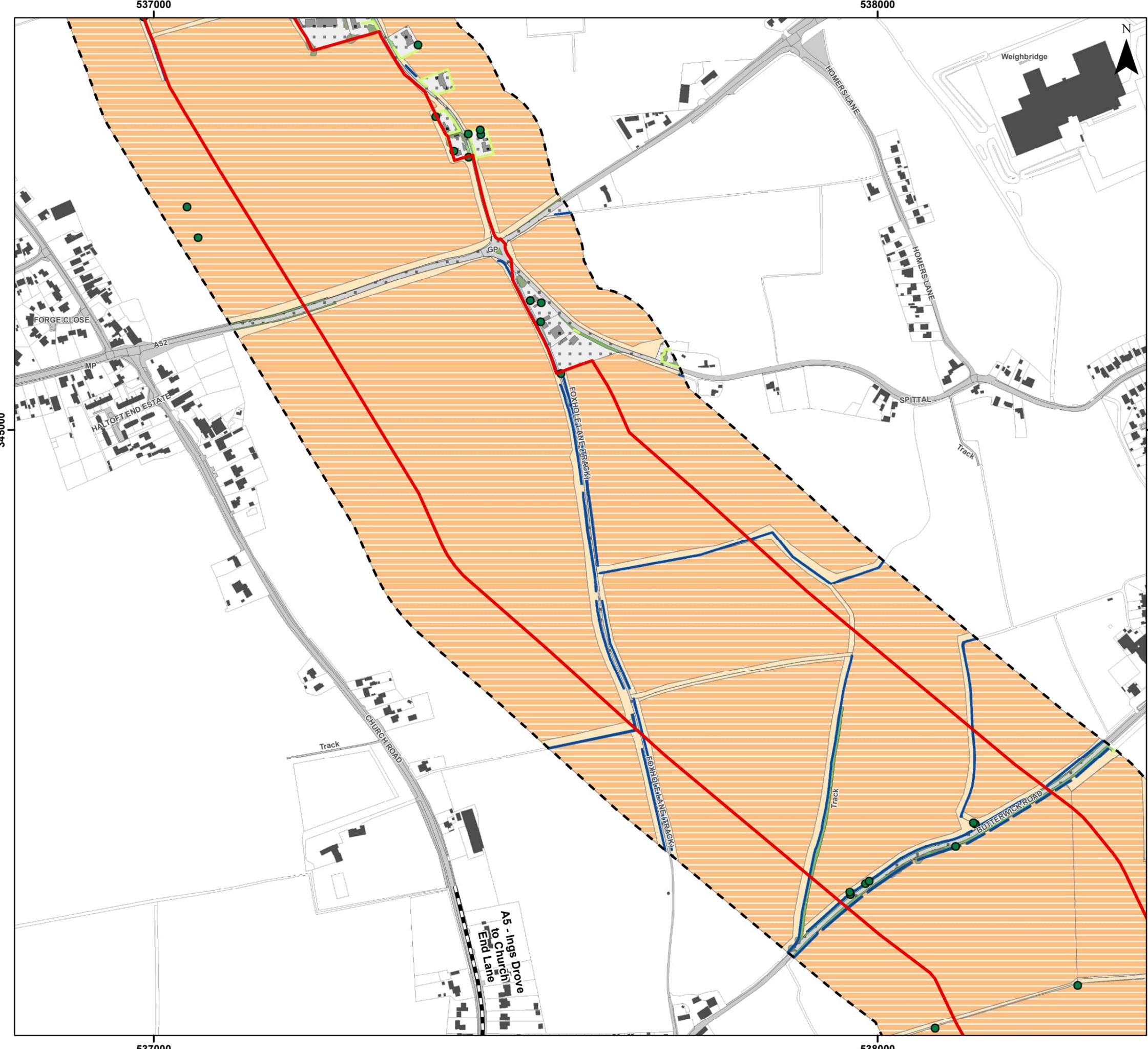




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Legend

- 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 21.2.2.71



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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 21.2.2.72

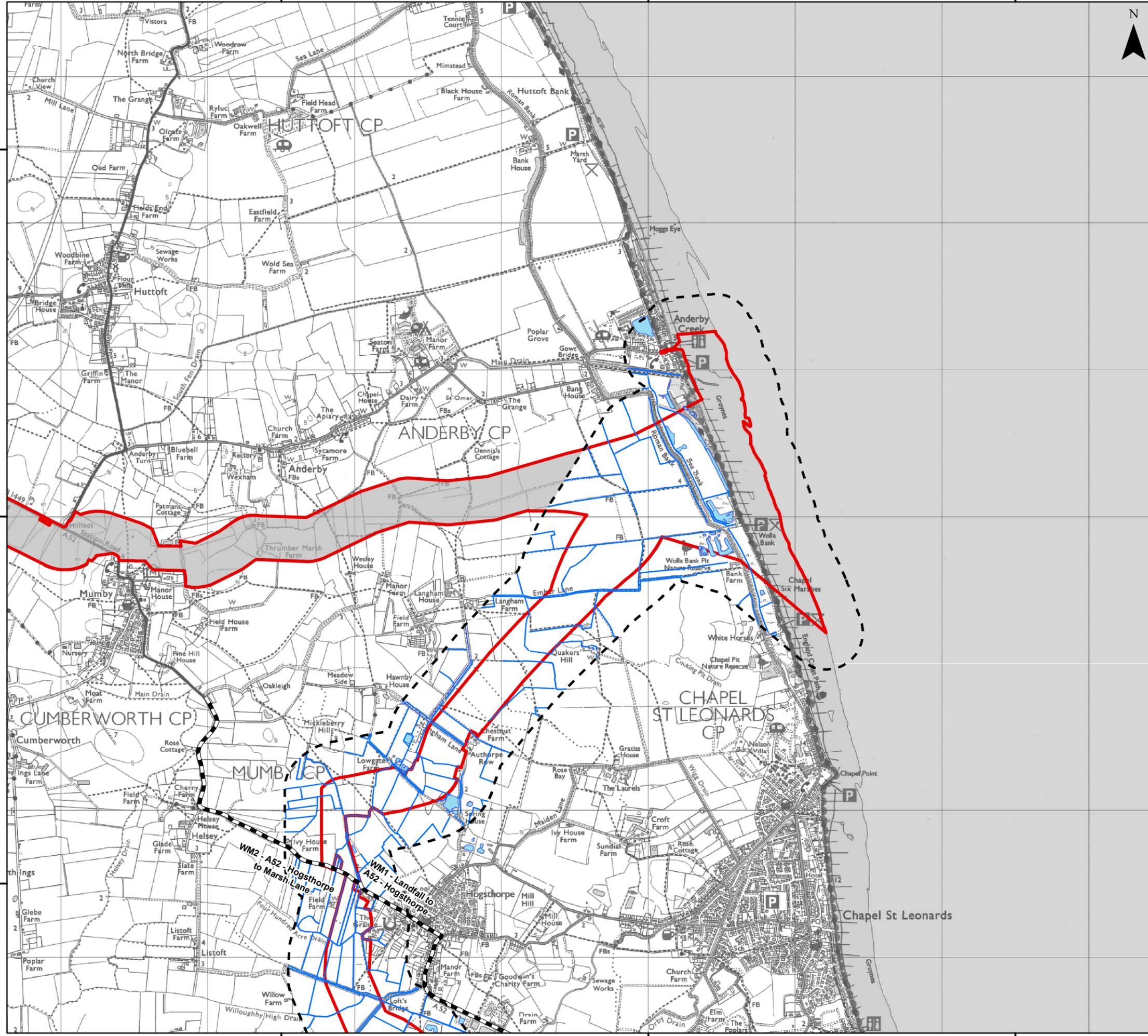


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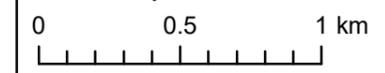
Legend

-  Onshore PEIR
-  Onshore Segment
-  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 21.2.4.1



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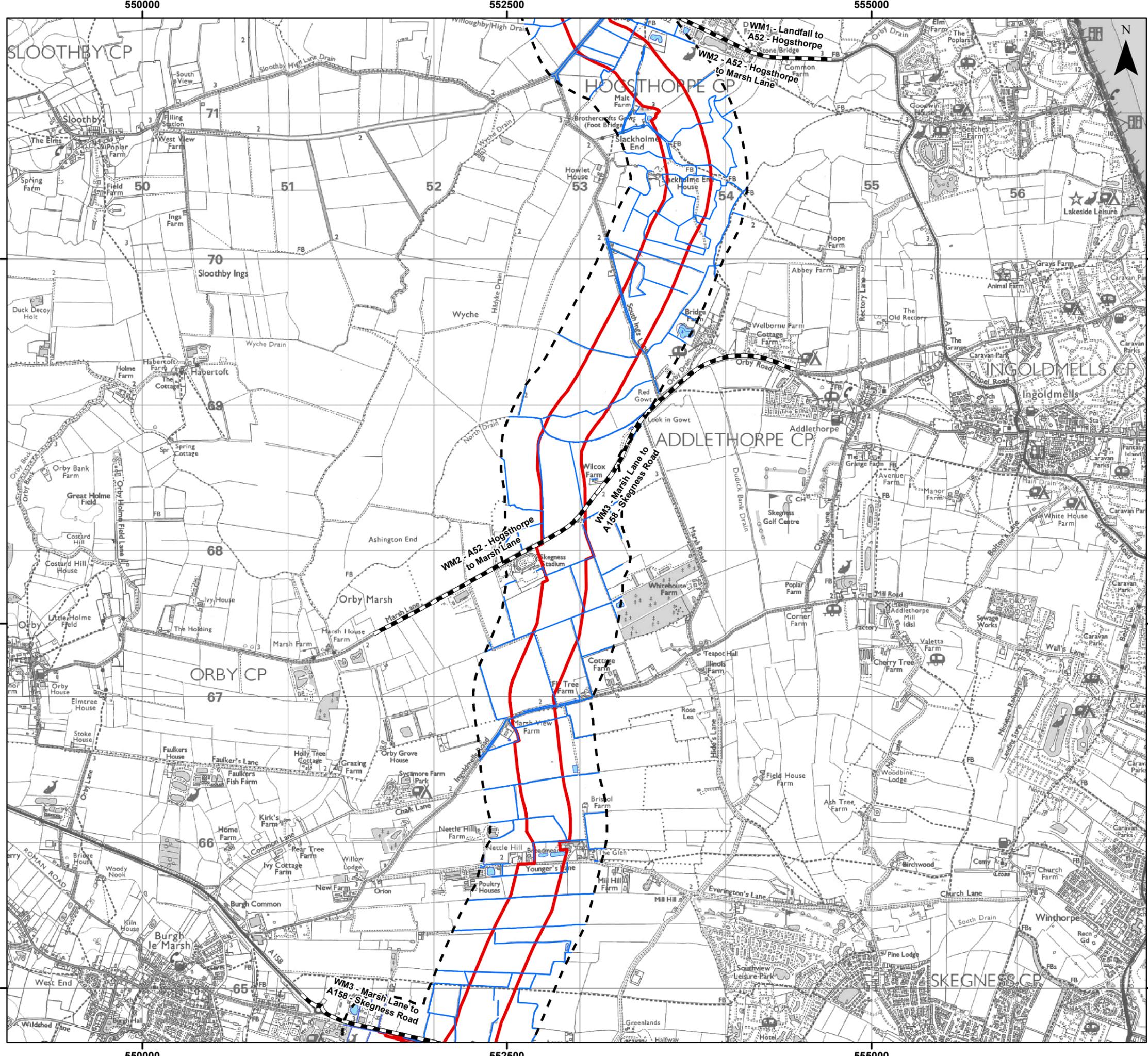
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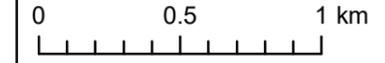
Legend

- Onshore PEIR
- Onshore Segment
- 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 21.2.4.2

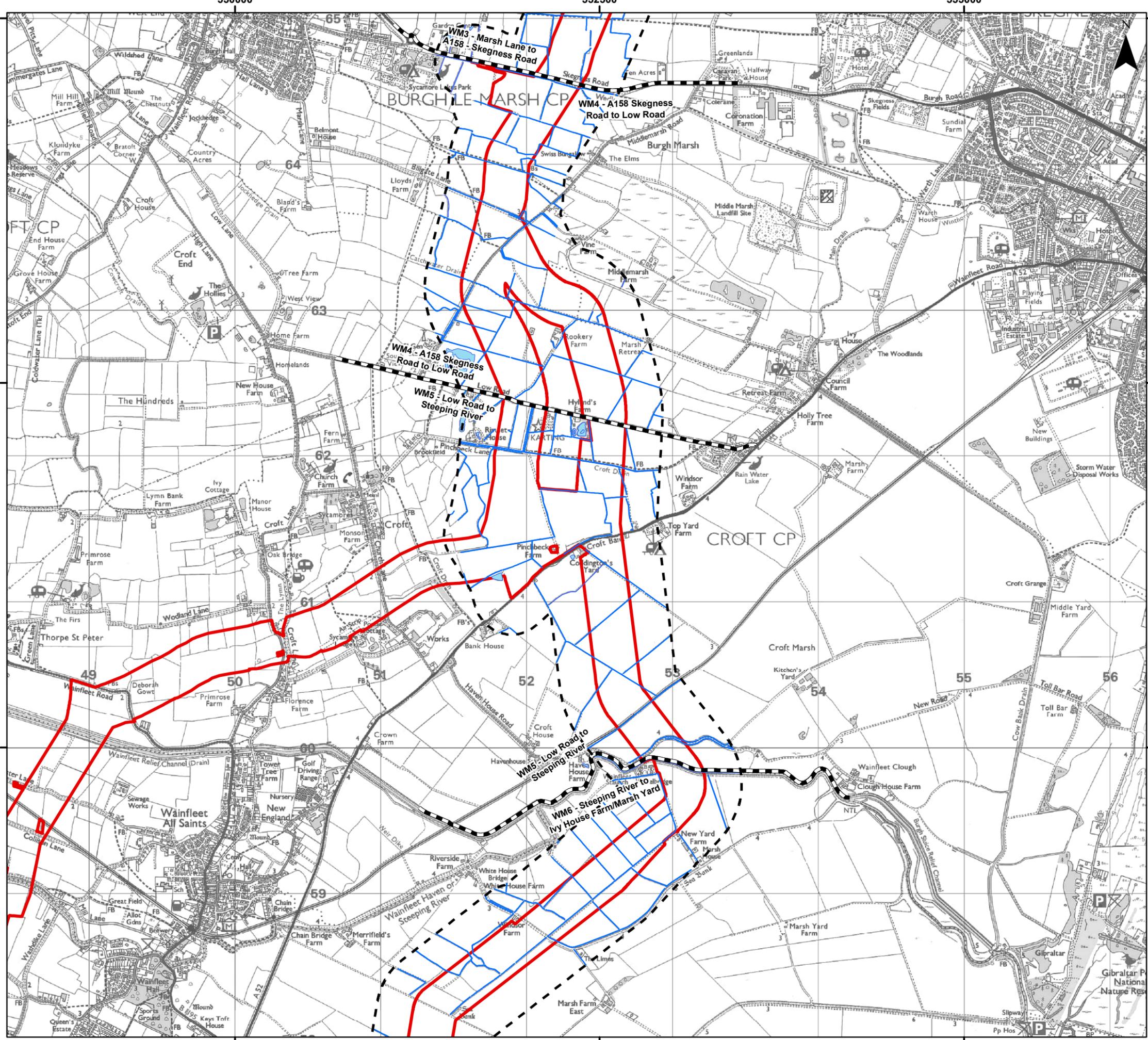


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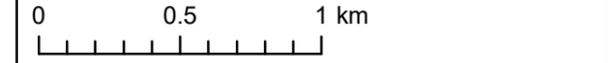
Legend

- 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 21.2.4.3

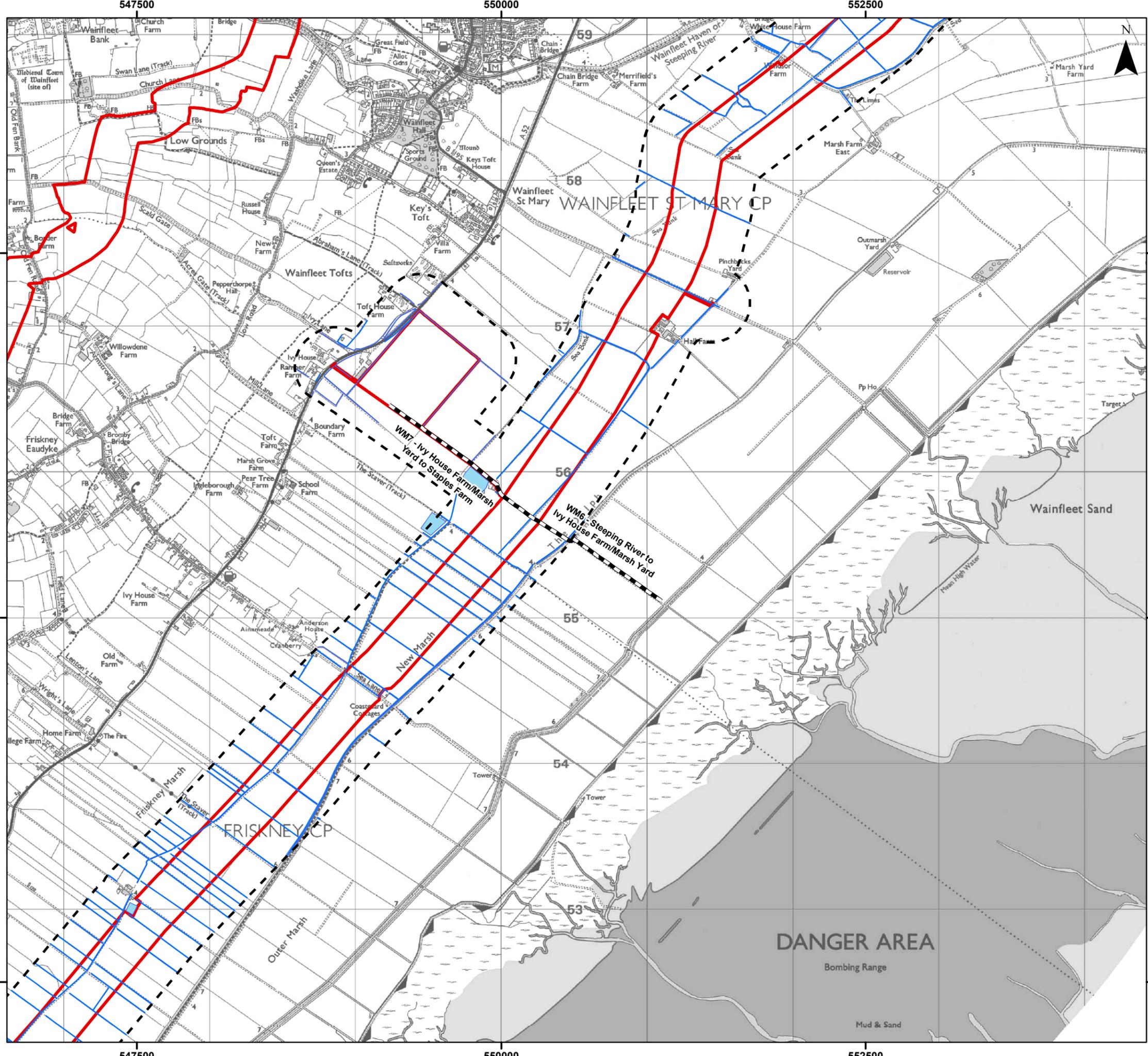


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Legend

- 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

0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh
Watercourses and Waterbodies within 250m of PEIR Boundary
Figure 21.2.4.4

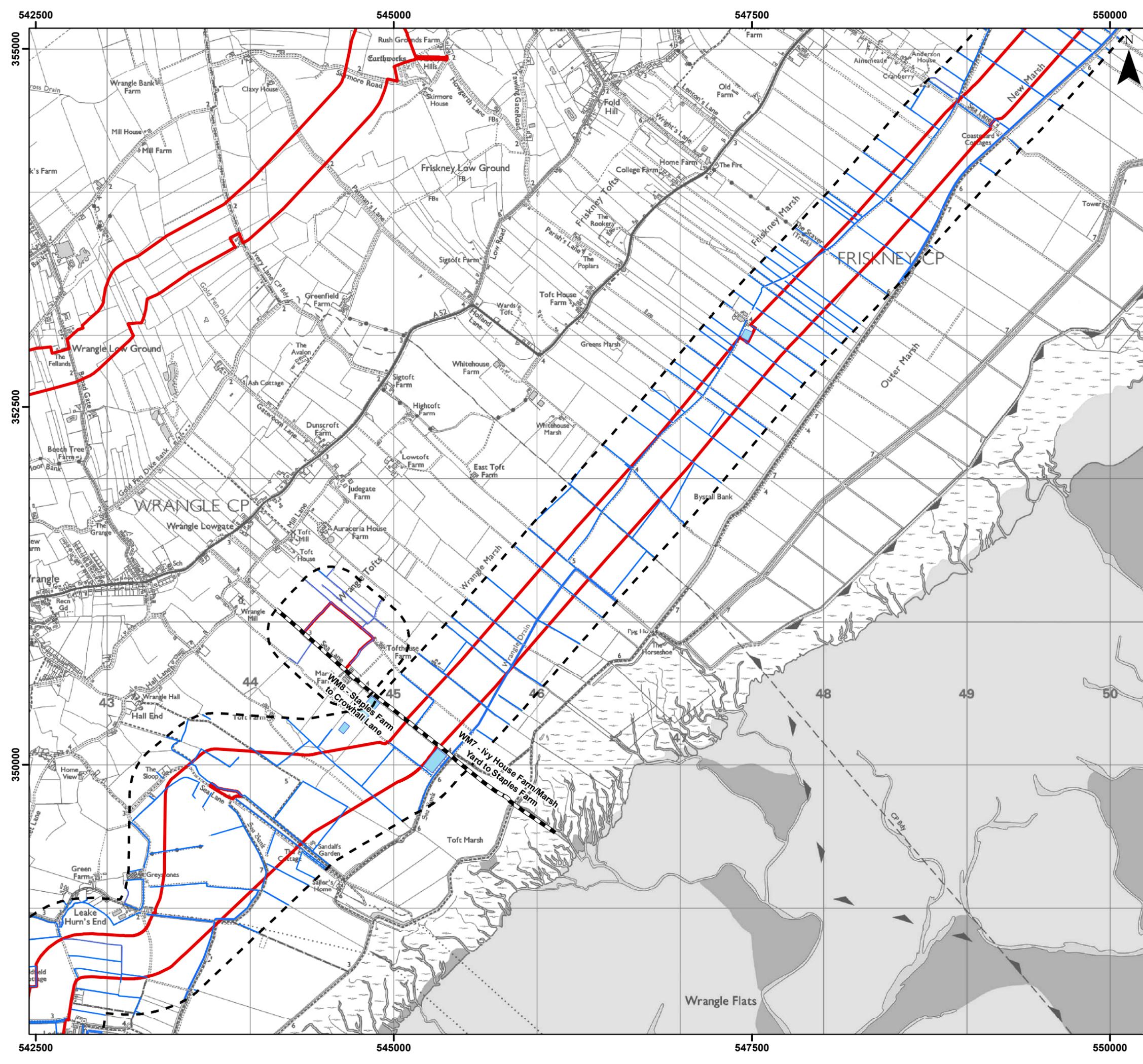


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- ### Legend
- ▬ Onshore PEIR Boundary
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
 - ▬ Watercourses within 250 m of the PEIR Boundary
 - Waterbodies within 250 m of the PEIR Boundary

Sources:



Coordinate System: British National Grid
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Preliminary Environmental Information Report
 Weston Marsh
 Watercourses and Waterbodies within 250m of PEIR Boundary
 Figure 21.2.4.5

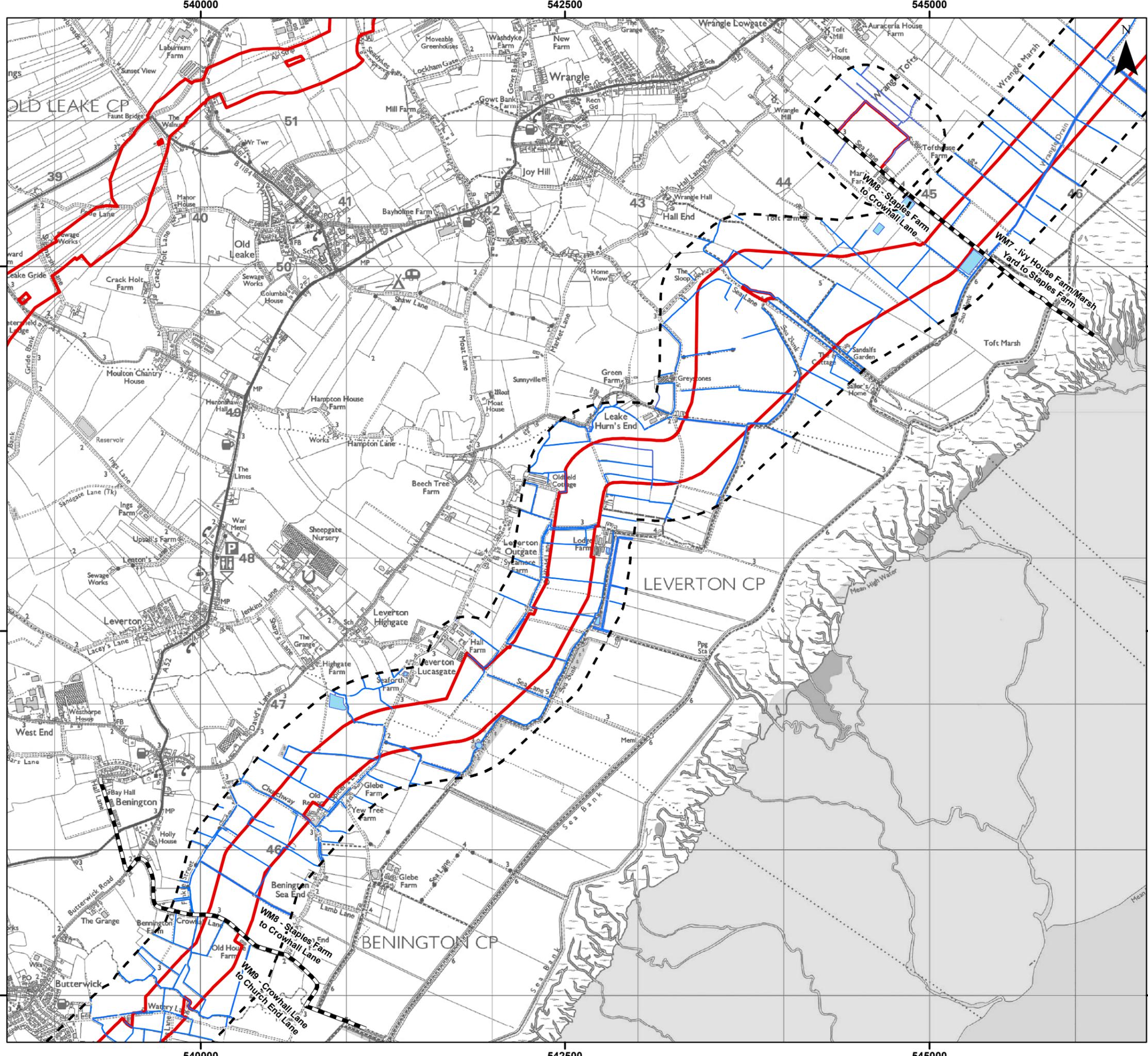


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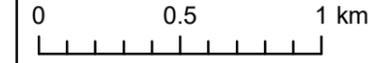
Legend

- 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



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Weston Marsh
Watercourses and Waterbodies within
250m of PEIR Boundary
Figure 21.2.4.6



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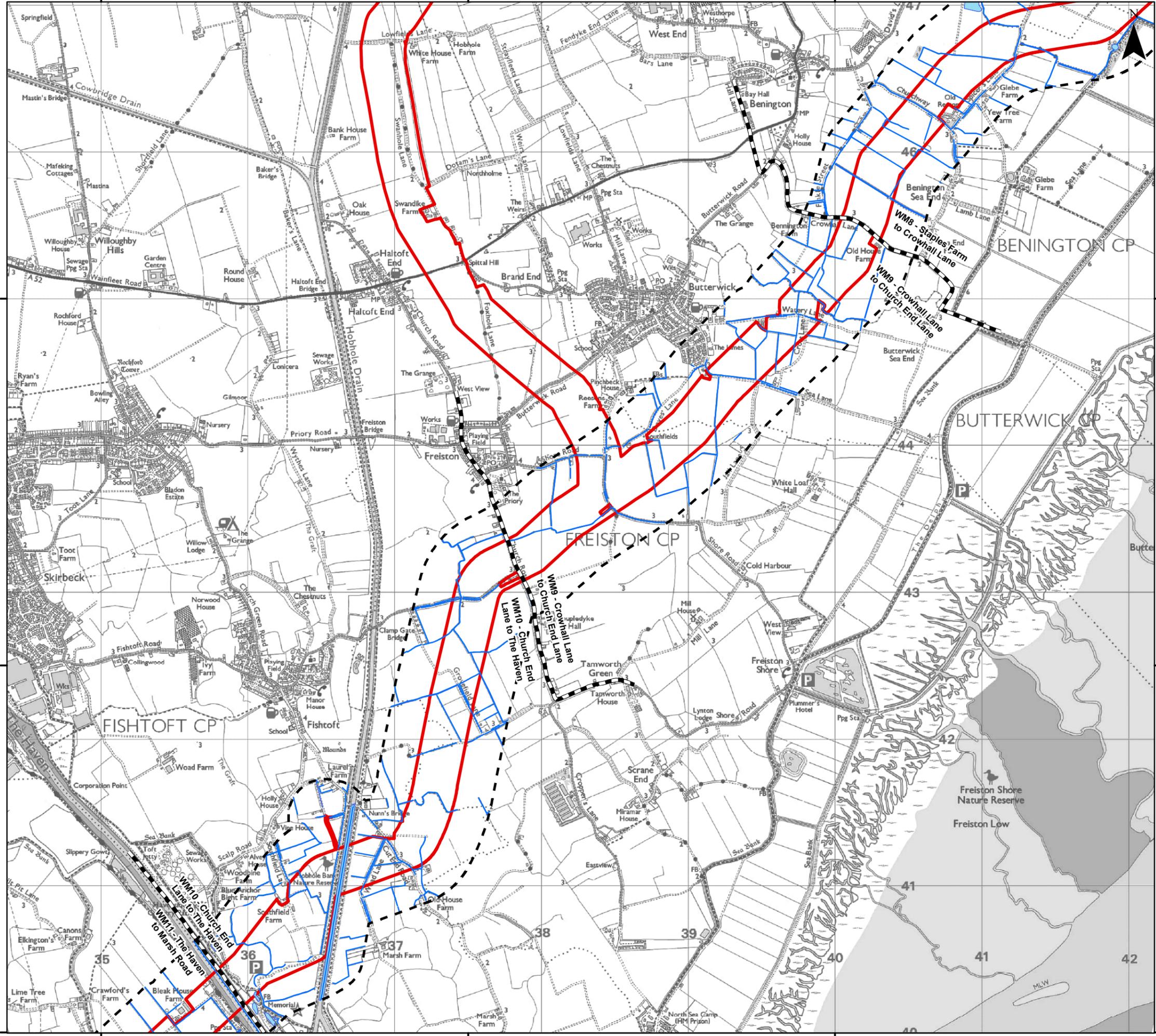
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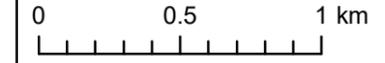
Legend

- 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

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Weston Marsh
 Watercourses and Waterbodies within
 250m of PEIR Boundary
 Figure 21.2.4.7

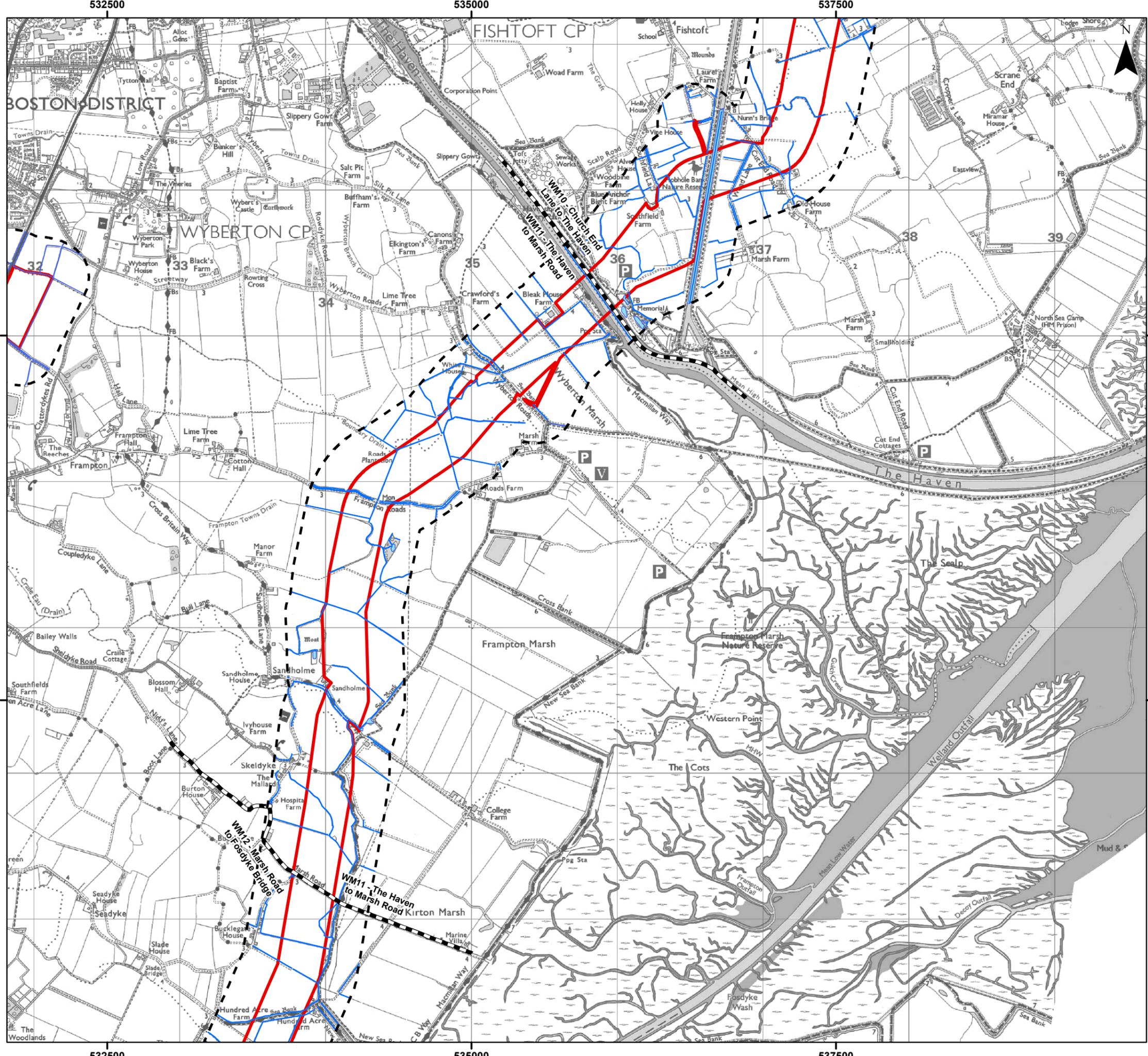


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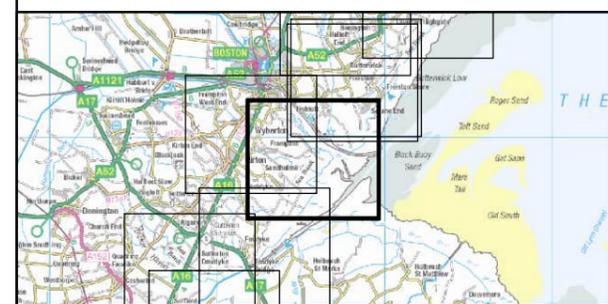
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- ### Legend
- ▭ Onshore PEIR Boundary
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
 - Watercourses within 250 m of the PEIR Boundary
 - Waterbodies within 250 m of the PEIR Boundary

Sources:



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

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 Weston Marsh
 Watercourses and Waterbodies within 250m of PEIR Boundary
 Figure 21.2.4.8



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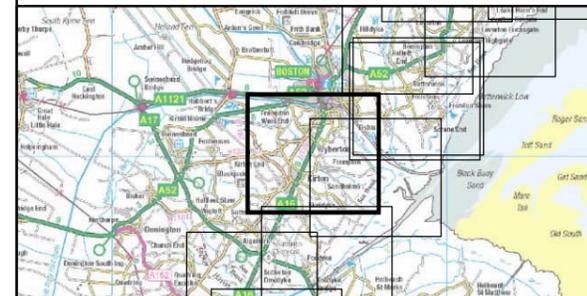
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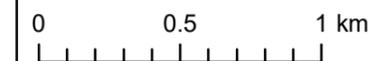
Legend

- 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

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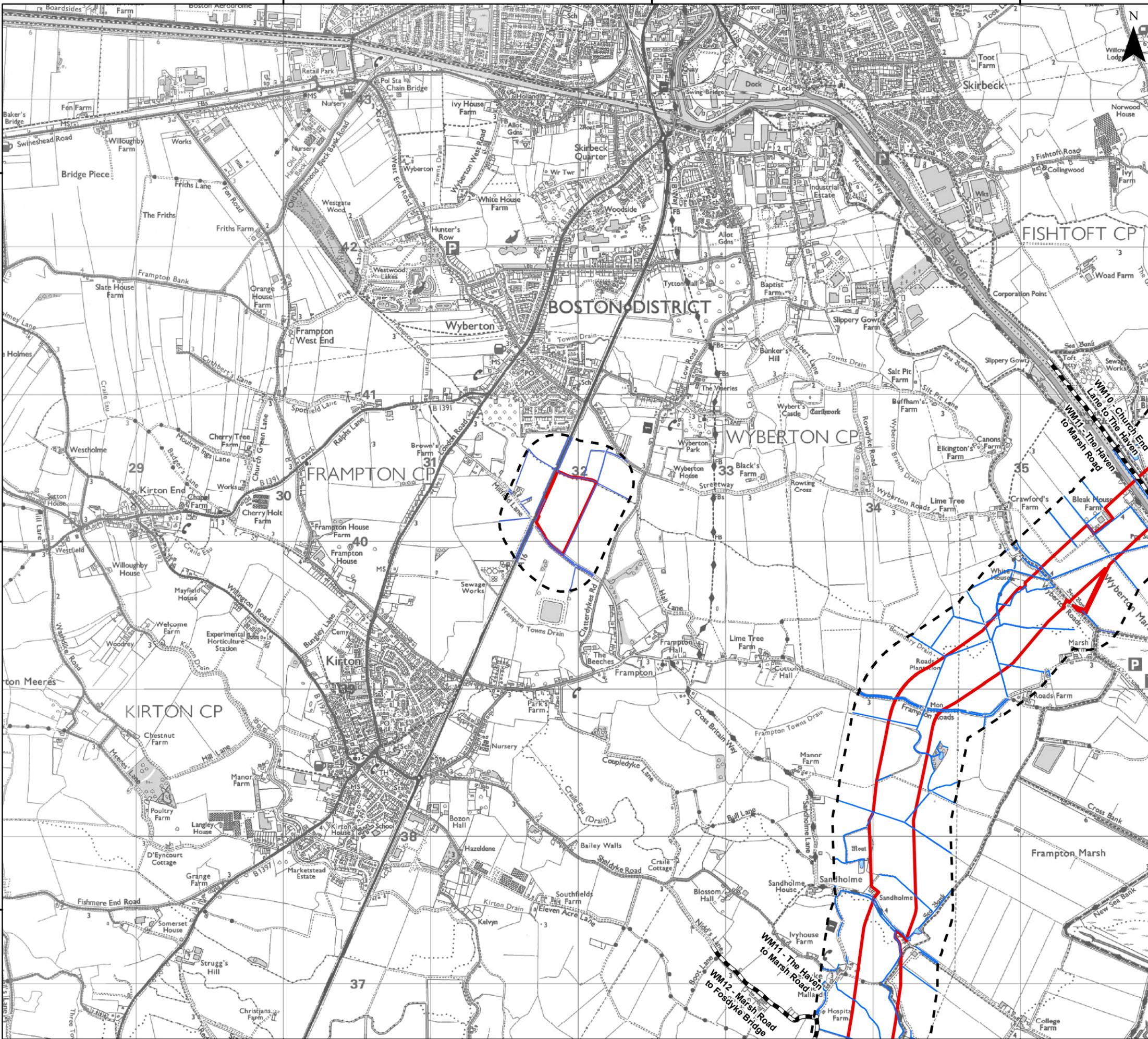
Weston Marsh
 Watercourses and Waterbodies within
 250m of PEIR Boundary
 Figure 21.2.4.9



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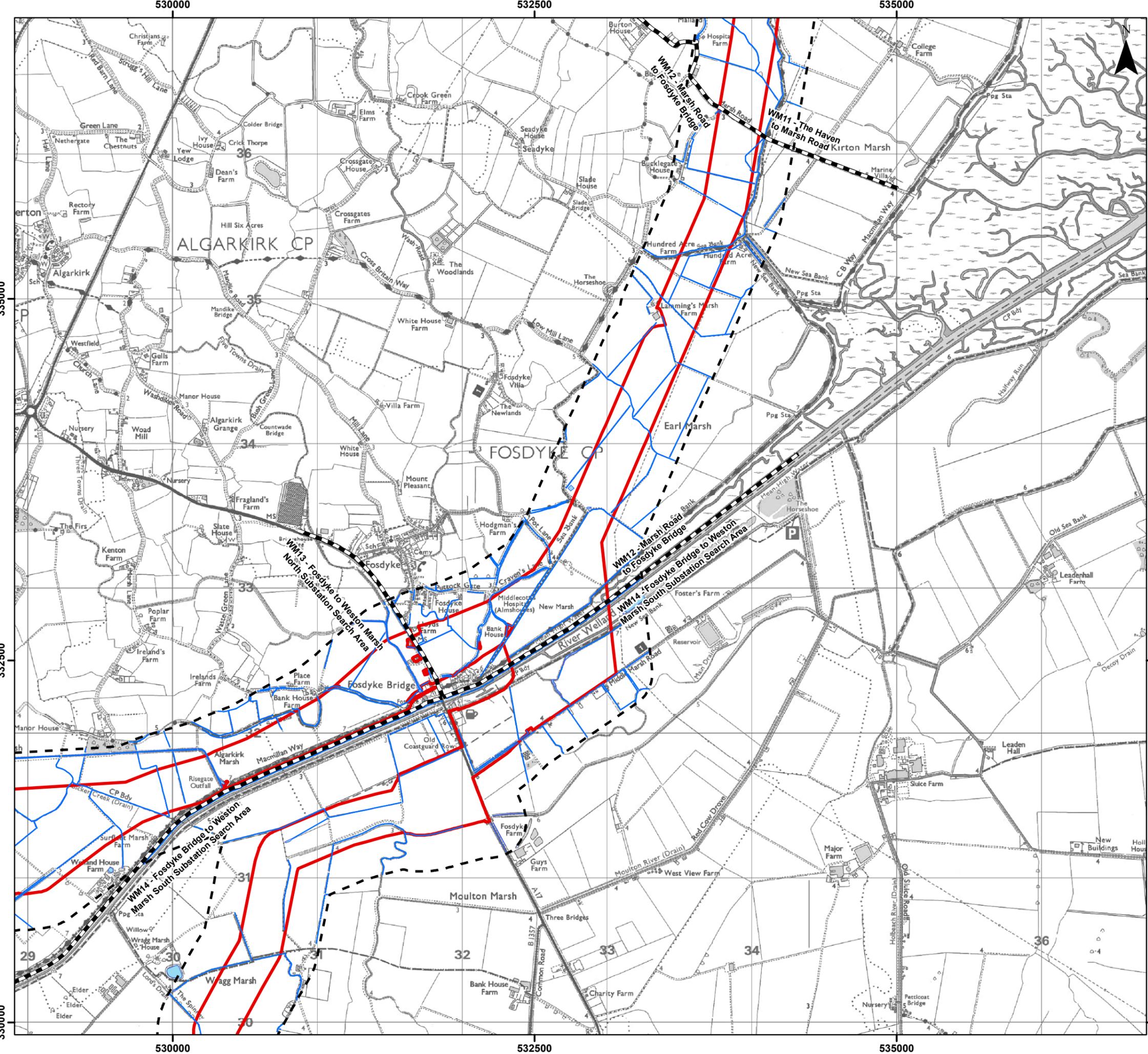


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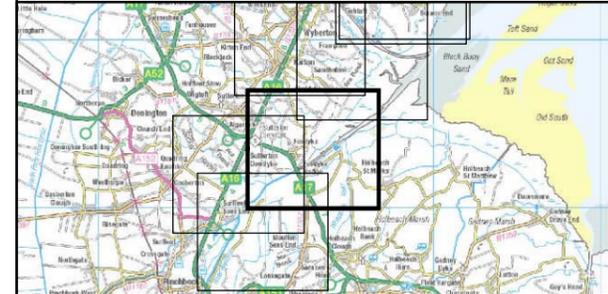
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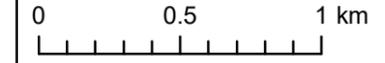
Legend

- 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

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Weston Marsh
Watercourses and Waterbodies within 250m of PEIR Boundary
Figure 21.2.4.10

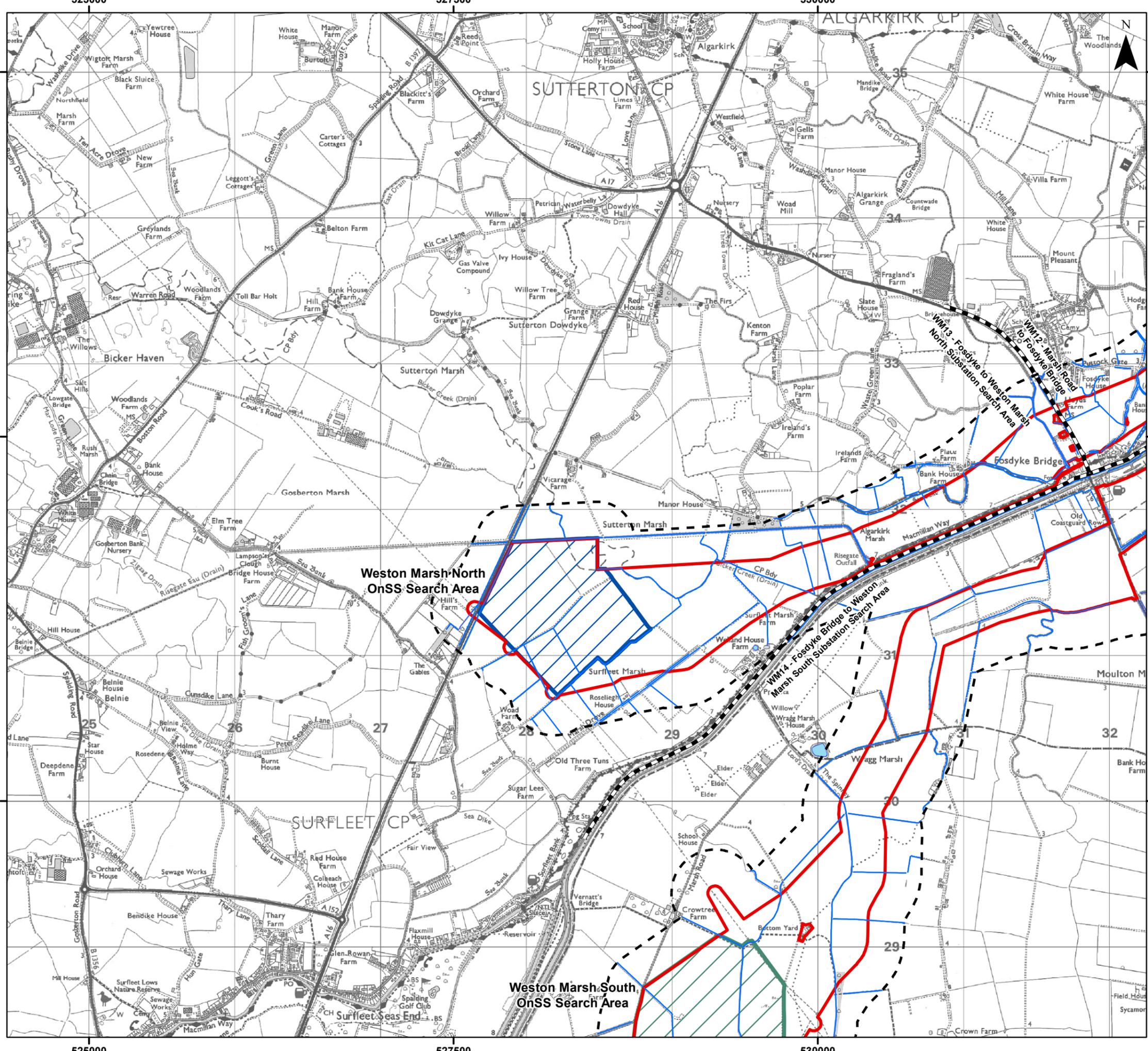


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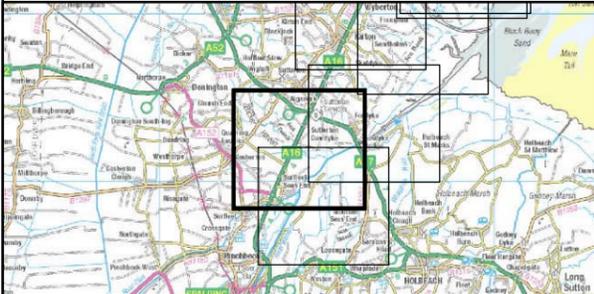
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- ### Legend
- ▭ Onshore PEIR Boundary
 - ▭ Weston Marsh North OnSS Search Area
 - ▭ Weston Marsh South OnSS Search Area
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
 - Watercourses within 250 m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

Sources:



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

Preliminary Environmental Information Report
 Weston Marsh
 Watercourses and Waterbodies within 250m of PEIR Boundary
 Figure 21.2.4.11

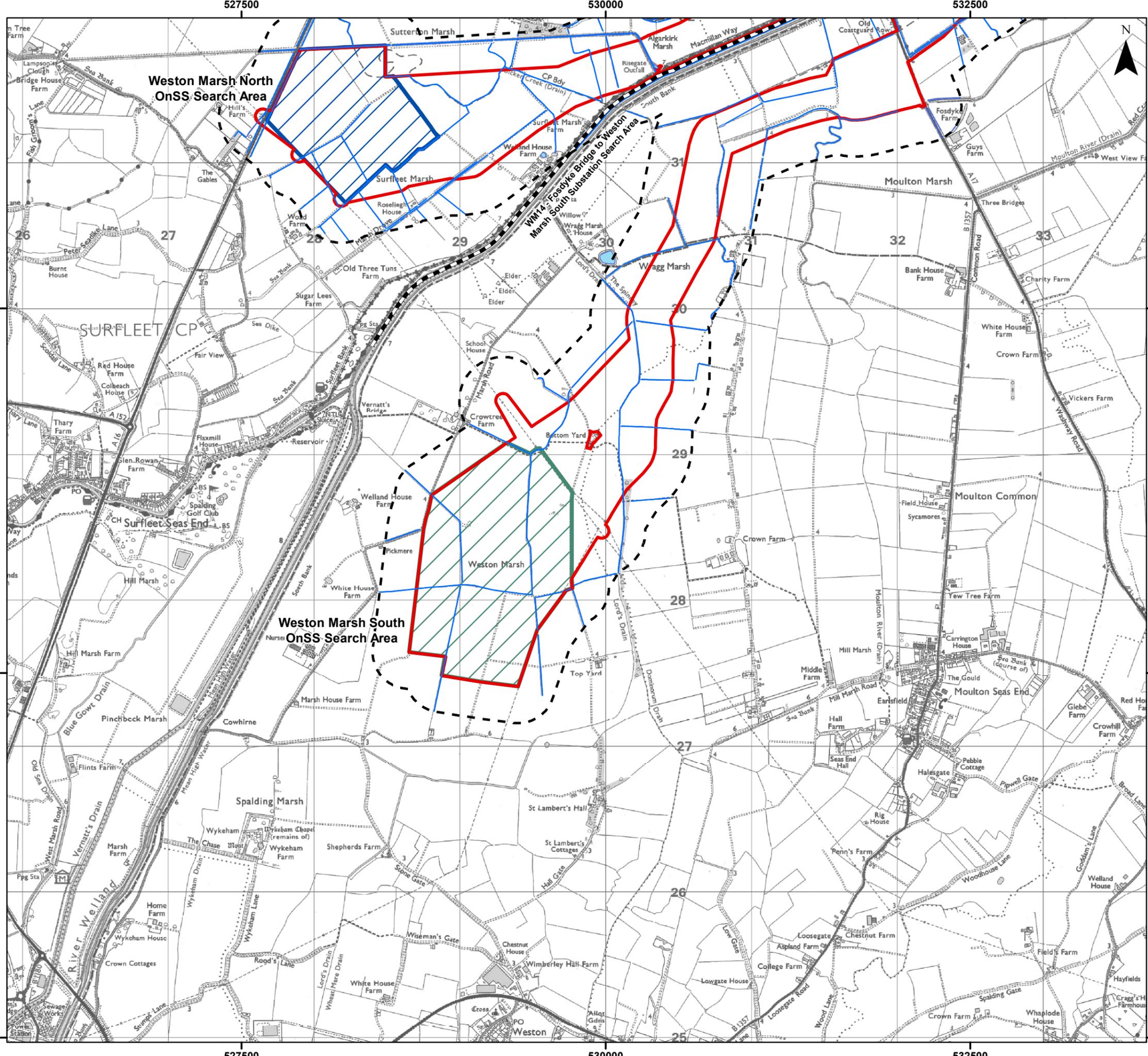


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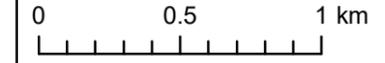


- ### Legend
- ▭ Onshore PEIR Boundary
 - ▭ Weston Marsh North OnSS Search
 - ▭ Weston Marsh South OnSS Search
 - Onshore Segment Break
 - Onshore PEIR Boundary Weston Marsh (via South of the A52) 250 m Buffer
 - Watercourses within 250 m of the PEIR Boundary
 - Waterbodies within 250 m of the PEIR Boundary

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 21.2.4.12

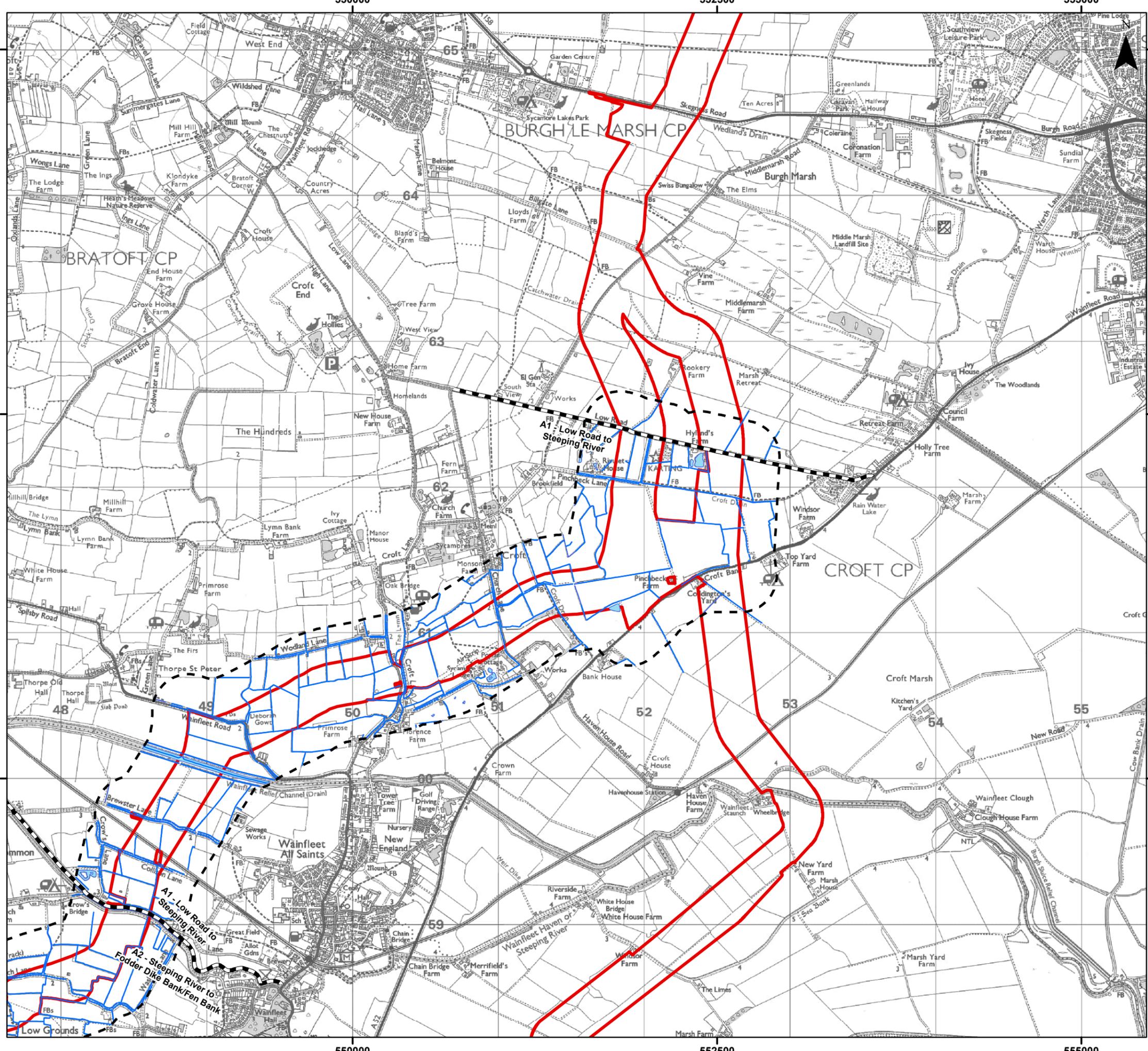


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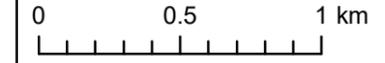
Legend

- 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



Scale: 1:25,000

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Weston Marsh
Watercourses and Waterbodies within
250m of PEIR Boundary
Figure 21.2.4.13



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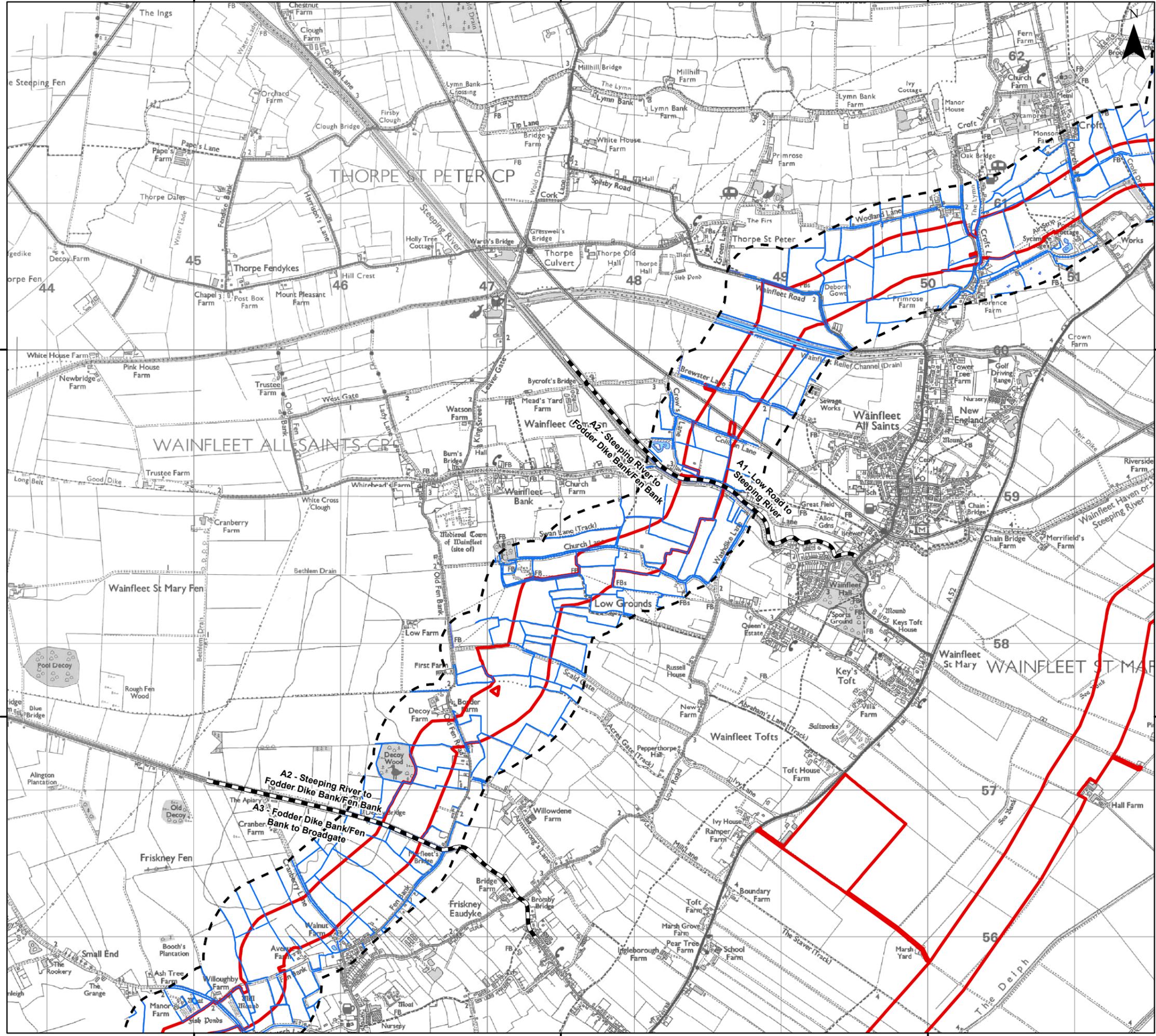
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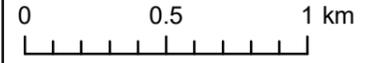
Legend

-  Onshore PEIR Boundary
-  Onshore Segment Break
-  Onshore PEIR Boundary West 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 21.2.4.14



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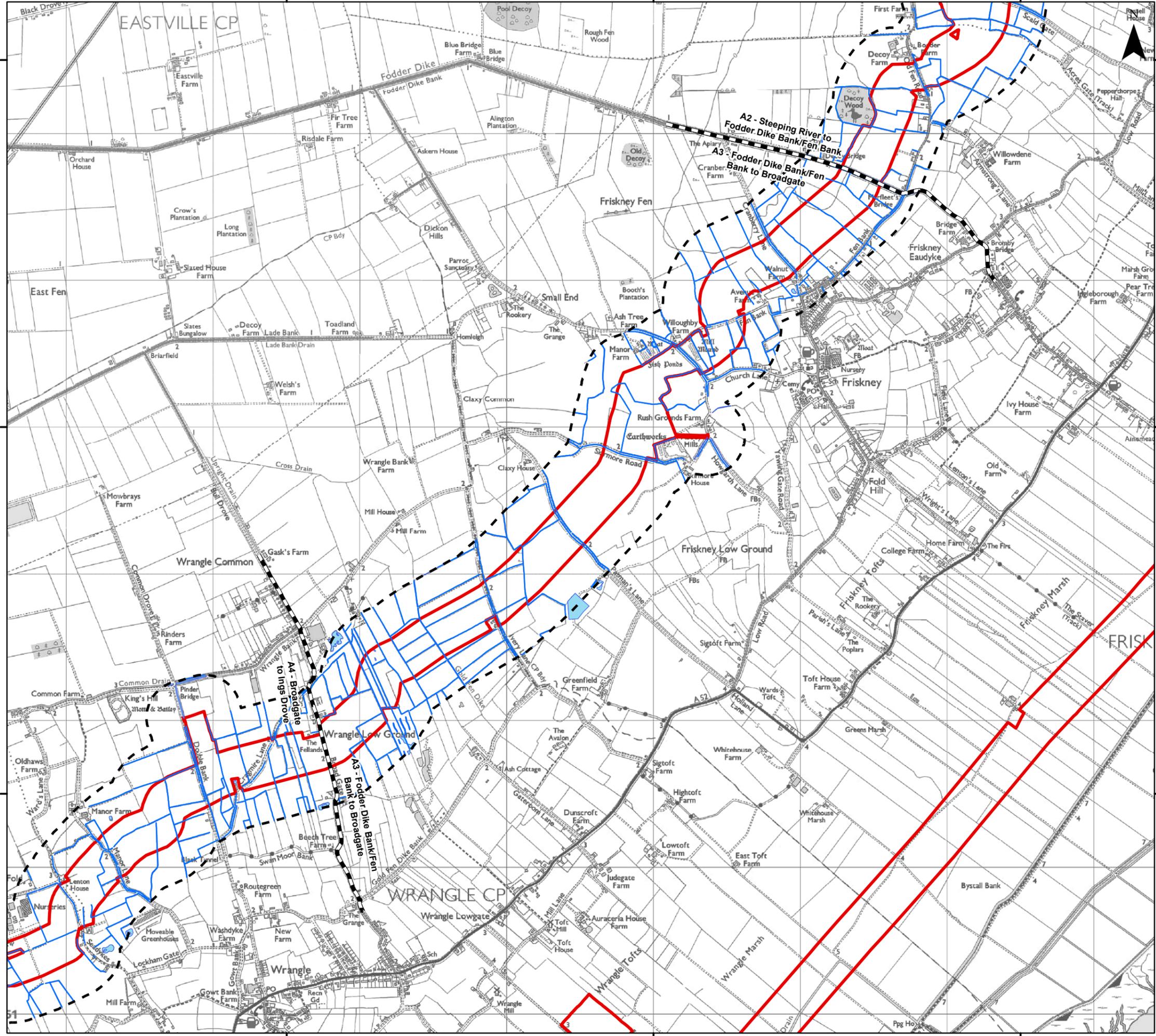
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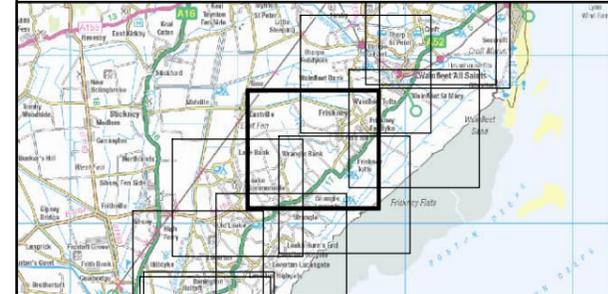
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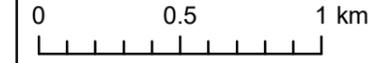
Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 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 21.2.4.15

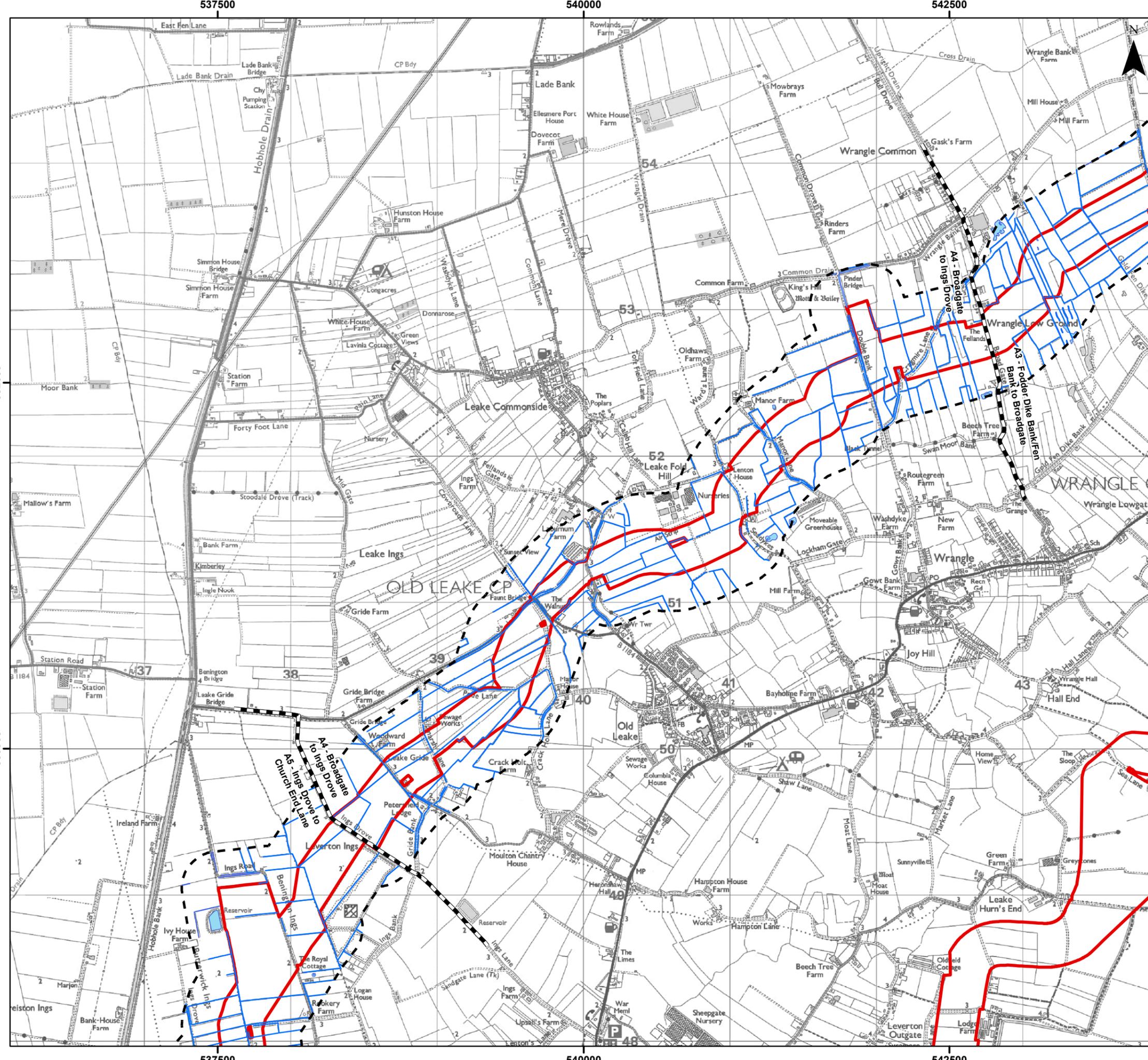


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Legend

- 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
 0 0.5 1 km
 Scale: 1:25,000

Preliminary Environmental Information Report
 Weston Marsh
 Watercourses and Waterbodies within 250m of PEIR Boundary
 Figure 21.2.4.16



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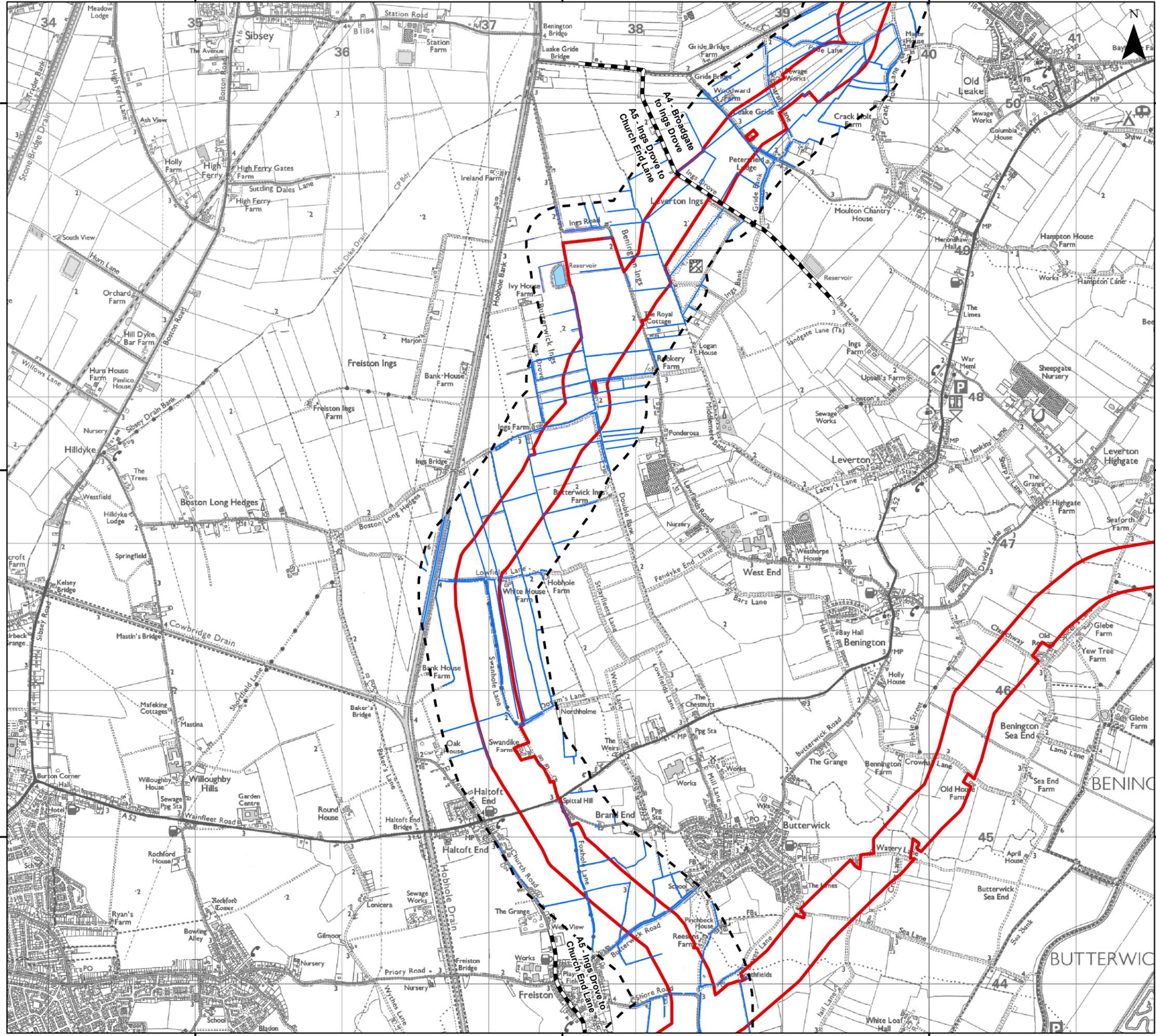
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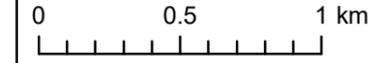
Legend

- Onshore PEIR Boundary
- Onshore Segment Break
- Onshore PEIR Boundary Weston Marsh (via North of the A52) 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 21.2.4.17

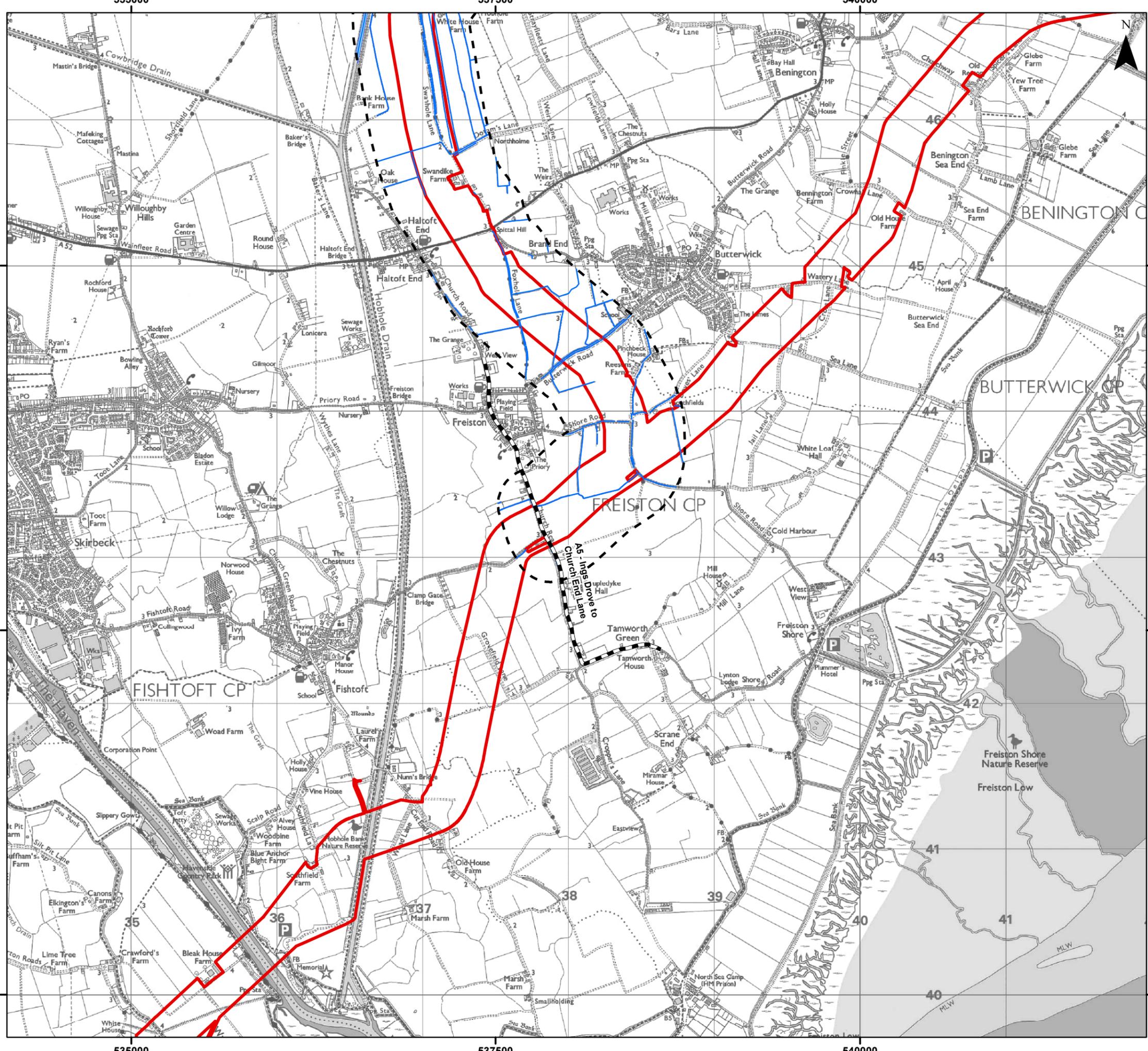


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Legend

- 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

0 0.5 1 km

Scale: 1:25,000

Preliminary Environmental Information Report

Weston Marsh
Watercourses and Waterbodies within 250m of PEIR Boundary
Figure 21.2.4.18



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