



**NORTH FALLS**

*Offshore Wind Farm*

## **ENVIRONMENTAL STATEMENT**

Appendix 23.1 Extended Phase 1 Habitat  
Survey Report (Part 2 of 3)

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<b>Revision</b>	<b>Date</b>	<b>Status/Reason for Issue</b>	<b>Originator</b>	<b>Checked</b>	<b>Approved</b>
0	July 2024	Submission	RHDHV	NFOW	NFOW











Target note reference	Notes	Photographs	
TN382	Small Brook running through woodland, joins into Holland Brook. Very flat banks with low levels of water. Largely unsuitable for water vole.		
TN383	Small area of semi natural woodland and scrub with stream. Semi mature and mature ash, oak and silver birch.		
TN384	Majority short sward grassland with interspersed bramble and nettle. Potentially grazed as fenced.		






Target note reference	Notes	Photographs	
TN385	Small drainage ditch alongside grazing pasture. Very overgrown with reeds. Low suitability for water vole		
TN386	Dense scrub in corner of grazing field		
TN387	Overgrown ditch with standing water. Reed dominant throughout. Fenced on one bank with pastoral grazing on other. Low suitability for water vole, heavily shaded and choked with reeds.		

Target note reference	Notes	Photographs	
TN388	Narrow ditch of standing water branching off Holland Brook and running along field margins and woodland edge. Dense Reed throughout, impossible to access.		
TN389	Marshy grassland - uniform tall sward reeds and grasses, reeds dominant. Some thistle present.		
TN390	Small ditch connected to Holland Brook, covered in duckweed. Overhanging branches from adjacent hedge, reeds along bank. Suitable for water vole		
TN391	Landowner noted otter spraint and sightings and water vole and badger presence and dormice	No photograph	













Target note reference	Notes	Photographs	
TN392	<p>Slow running brook, areas of duckweed cover. Common reed and glyceria along both banks. Water vole feeding station recorded.</p>		
TN393	<p>Marshy grassland managed by landowner with grazing cattle. Dense pockets of bramble and nettle present. Timothy grass, perennial rye grass, cocks foot, thistle, hard rush, false oat grass, broad leaf dock</p>		
TN394	<p>Grasses and tall ruderal vegetation with cut pathways throughout. Moderate reptile mosaic habitat. Teasel, red clover, nettle, bramble, ribwort plantain, ragwort, meadowgrass.</p>		

Target note reference	Notes	Photographs	
TN395	Bat box in oak on woodland edge		
TN396	Moderate mosaic habitat for common reptile species, with open areas for basking, foraging and deadwood for hibernating		
TN397	Woodland broadly dominated by semi mature oak with hawthorn, sweet chestnut, beech, ash, field maple		




Target note reference	Notes	Photographs	
TN398	Edges of wildlife trust area consisting of mostly semi mature woodland species dominated oak with hawthorn, nettle, blackthorn, bramble. Fenced with some scrub facing field boundary		
TN399	Line of four mature oak trees, potentially remnant of hedgerow. Two trees potentially notable and/or veteran due to size.		
TN400	Plantation woodland surrounding fishing lake, pines, willow, hawthorn, sycamore, birch, alder, oak,		











Target note reference	Notes	Photographs	
TN401	Small narrow strip of woodland with dry ditch. Hawthorn, field maple, oak, apple, fern, bramble, nettle, bindweed, willow. Moderate suitability for commuting bats and dormice.		
TN402	Area of arable grassland, non distinct, perennial rye grass, Timothy, cocks foot and meadow grass		
TN403	Small stream culverted under field entrances, running length of woodland and hedge down to marshy grassland. Potentially too overgrown and shaded for water vole.	No photograph due to density of vegetation	
TN404	Small piece of semi natural broadleaved woodland with mature oak, hawthorn, blackthorn, bramble, overgrown and dense. Pair of buzzard observed circling above		





Target note reference	Notes	Photographs	
TN405	Deadwood offering hibernation potential for reptiles.	 A photograph showing a path leading through tall grass and deadwood in a field under a clear blue sky.	 A photograph showing deadwood and a tree in a field, with a clear blue sky in the background.
TN406	Potential hibernacula for reptiles	 A photograph of a large pile of logs and deadwood in a grassy field under a clear blue sky.	
TN407	Several dunnock noted in and around the arable field	No photograph	
TN408	Several piles of stacked wood adjacent to hedge and field boundary, providing potential hibernation options for reptiles	 A photograph of a large pile of stacked logs and wood, partially covered by a blue tarp, adjacent to a hedge.	 A photograph of a path leading through a field, with a large pile of stacked wood on the left side.






Target note reference	Notes	Photographs	
TN409	Fenced off area with plant - potentially water treatment?		
TN410	Area of semi natural broadleaved woodland adjacent to railway line. Ash, ferns, bindweed, nettle, broad leaf dock, hawthorn, willow, oak. Moderate suitability for commuting bats.		
TN411	Kestrel observed hovering above horse barns and paddocks	No photograph	
TN412	Woodland consisting of oak, birch, nettle, bindweed, bramble. Limited understorey consisting mainly of bramble and nettle. Some pines present also		




Target note reference	Notes	Photographs	
TN413	Scrub and grass area surrounding disused farm buildings, connected to woodland. Low potential for reptiles, mainly due to possible fragmentation.		
TN414	Line of semi mature oak, look to have been connected to woodland at some point		
TN415	Relic birds' nest in tree		




Target note reference	Notes	Photographs	
TN416	Small mostly open area of plantation woodland. All oak with dense bramble and pheasant enclosure and feeder		
TN417	Line of trees within a wide grass and scrub field margin. Good potential for reptiles		
TN418	Small area of short sward perennial rye grass interspersed with tall ruderal. Bristly oxtongue. Creeping buttercup. Ribwort plantain. Low quality mosaic habitat for reptiles.		
TN419 not used			




Target note reference	Notes	Photographs	
TN420	Row of mature Scots pine, moderate suitability for commuting and foraging bats as connects to woodland and hedge.		
TN421	Consists of oak, ash, willow, dog rose, hawthorn, blackthorn, field maple, holly, ground ivy, cherry laurel. Large open areas inside, some trees with woodpecker holes and hollow. Abundance of deadwood.	 	
TN422	Opportunity for roosting bats. Abundance of PRF sited	No photograph as related to habitat in TN412	
TN423	Mostly one age class, game bird feeder. Silver birch, oak, pines and hazel present. Largely open with some parts of denser undergrowth. Some birds nest present.		






Target note reference	Notes	Photographs	
TN424	short sward managed grassland surrounded by tall ruderal. Bristly oxtongue, fleabane, common plantain, clover, dandelion		
TN425	Short sward managed grassland surrounded by tall ruderal. Bristly oxtongue, fleabane, common plantain, clover, dandelion, bulrush and reed. Also a dry ditch that runs along the edge.		
TN426	Moderate mosaic for reptiles but limited hibernation potential.		




Target note reference	Notes	Photographs
TN427	Small woodland consisting of game bird enclosure, oak, cypresses, pines, willow and field maple.	
TN428	Hares spotted running in field	No photograph
TN429	Area of scrub consisting of nettle, bristly oxtongue, bramble	
	<i>TN430 not used</i>	
TN431	Tall ruderal agent to an arable field. Consisting of bristly oxtongue, common hogweed, broad leaf dock. Moderate mosaic habitat for reptiles. Potential for invertebrates such as butterflies.	
	<i>TN432 not used</i>	





Target note reference	Notes	Photographs
TN433	Boundary formed of scattered semi mature trees interspersed with bramble and nettle	 A photograph showing a field boundary. In the foreground, there are green brambles and nettles. In the background, a line of semi-mature trees separates a brown, harvested field from the sky.
TN434	Short sward perennial rye grass with scattered plum trees	 A photograph of a grassy area. In the foreground, there is a path or stream bed. In the background, there are several plum trees and a building with a dark roof.
TN435	Potential grazing pasture, surveyed from adjacent land plot	 A photograph of a potential grazing pasture. The foreground is a grassy field with some brush. In the background, there is a line of trees under a cloudy sky.




Target note reference	Notes	Photographs	
TN436	Tall sward low species diversity grassland, potentially used for grazing.		
TN437	Small patch of giant hogweed, though could potentially be within woodland too		
TN438	Small area of woodland between two arable fields with a dry ditch. Oak, ash, cypress, elm, blackthorn, sycamore. Densely vegetated throughout.		








Target note reference	Notes	Photographs	
TN439	<p>Small area of tall ruderal interspersed with scrub, between horse paddocks and arable land. Low species diversity, consisting mainly of bristly oxtongue, bramble, nettle, ragwort, common reed, perennial rye grass, broad leaf dock. Reptile potential.</p>		
TN440	<p>Heavily vegetated sluggish stream, culverted under road. Alder, bindweed, bramble, nettle, willowherb. Too densely shaded for water vole. Poor water quality, both agricultural and road runoff pollution.</p>		
TN441	<p>Narrow strip of scrub between hedge and arable field. Cocks foot, perennial rye grass, bristly oxtongue, thistle, fleabane.</p>		




Target note reference	Notes	Photographs	
TN442	Area of scrub with scattered trees, denser tree cover at one end. Tall sward grasses present, perennial rye grass, meadow sweet grass, bramble, fleabane, willowherb, willow.		
TN443	Fenced off horse paddocks not currently in use. Moderate species diversity with predominantly long and short sward perennial rye grass, ragwort, thistle, self-heal, Timothy, bristly oxtongue, broad leaf dock, creeping buttercup, marsh thistle.		
TN444	Area of dense scrub vegetation bordering PRow. Bramble, nettle, bindweed, creeping buttercup, common plantain, with some oak and ash saplings. Poor BNG condition. Moderate habitat for reptiles.		




Target note reference	Notes	Photographs	
TN445	Short sward grasses with scattered broad leaf dock, creeping buttercup.		
TN446	Densely vegetated field with ragwort, bristly ox tongue, creeping buttercup, thistle, bramble, dog rose, horsetail, cocks foot, Yorkshire fog. Moderate potential for foraging and basking reptiles. Scattered oak saplings throughout		
TN447	Steep sided field drainage ditch, vegetated banks. Low levels of water, poor quality water, potentially due to agricultural runoff. Soft substrate banks, unsuitable for water voles, perennial rye grass, nettles, willow herb, thistle, creeping buttercup.		





Target note reference	Notes	Photographs	
TN448	Tall ruderal bordering on woodland and scrub. Forming successional habitats. Counts for all adjacent polygons. Good mix of saplings and semi mature and mature trees. Oak, hazel, alder, blackthorn. Good mosaic habitat for reptiles.		
TN449	Small stream running through woodland, bank substrate looks too soft for water vole burrows, heavily shaded too so sub-optimal.		
TN450	Mature woodland consisting of oak, sweet chestnut, hawthorn, dogwood, lime. Limited to no understorey consisting of bramble, holly.		








Target note reference	Notes	Photographs		
TN451	Section of tall ruderal adjacent to scrub, fleabane, cocks foot, oak saplings, creeping buttercup, Yorkshire fog.			
TN452	Wooden box in overgrown scrub/grassland. Potential for reptile hibernation habitat.			
TN453	Dense scrub bordering onto grassland, bramble, nettle, bindweed, willow, broad leaf dock, common hogweed, thistle, dog rose, dandelion, holm oak, ragwort.			



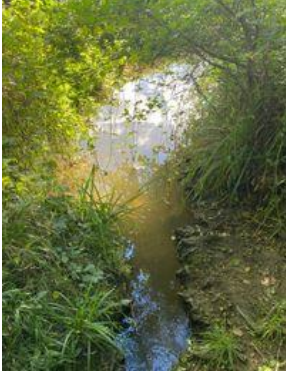
Target note reference	Notes	Photographs	
TN454	Dense scrub with scattered mature and semi-mature trees, bramble, oak, perennial rye grass, nettle, cow parsley, blackthorn, dry ditch.		
TN455	Tall ruderal vegetation consisting of mostly wild parsnip with some Yorkshire fog, brome and perennial rye grass.		
TN456	Small area of scrub with semi mature oak. Some deadwood present offering reptile hibernation options.		




Target note reference	Notes	Photographs
TN457	Recently mowed low species diversity grassland, mainly perennial rye grass with some nettle and broad leaf dock.	
TN458	Ditch with standing water, looks well maintained, possible annually. Some water mint present. Steep banks. Sub optimal for water vole.	
TN459	Arable grassland potentially used for hay, with game bird cover crop	




Target note reference	Notes	Photographs	
TN460	Small area of plantation woodland with 2-3 year old whips of hazel, field maple, apple, lime and well established mature oak and silver birch		
TN461	Grassland potentially used for hay with area of tall ruderal game cover.		
TN462	Plantation woodland consisting mostly of oak, sweet chestnut, sycamore and ash, trees are young/semi-mature, no bat roost potential. Understory mainly of hawthorn and bramble. Area fenced off for game birds.		






Target note reference	Notes	Photographs	
TN463	Scrub and tall ruderal, possible successional habitats from woodland.		
TN464	Young tree plantation, conifers, apple trees, hazel, alder, oak.		
TN465	Long sward grasses. Low quality habitat for reptiles. Options for foraging but limited for basking and hibernation.		
TN466	Several hares observed in field	No photograph taken	






Target note reference	Notes	Photographs	
TN467	Wooded manicured gardens with mature trees. Oak, dog rose, sweet chestnut, hazel.		
TN468	Short sward mown grass with creeping buttercup, self-heal, daisy.		
TN469	Tendring Brook. Good water quality, invertebrates present. Banks look largely unsuitable for water vole and very shaded.		



Target note reference	Notes	Photographs	
TN470	Woodland consisting of mostly semi mature oak and hawthorn with older trees around perimeter. Limited understorey in large sections, dense scrub in other areas of mostly bramble, nettle, perennial rye grass, thistle and Yorkshire fog.		
TN471	Vegetated ditch with steep banks and low levels of water. Sub optimal for water vole due to bank consistency.		
TN472	Buzzard observed, potentially nesting in woodland, swifts also observed and woodpecker holes in one tree on perimeter.	No photograph taken	
TN473	Long sward grasses and scrub, scattered semi mature trees.		



Target note reference	Notes	Photographs	
TN474	<p>Small area of mixed plantation woodland, fenced. Conifers, oak, elder. Some areas look semi natural, but largely plantation. Willowherb, nettle, bramble, dense understorey.</p>		
TN475	<p>Ditch with running water. Vertical banks, perennial rye grass, willowherb, cocks foot, meadow buttercup, broad leaf dock. Potentially suitable for water vole.</p>		
TN476	<p>Small area of woodland adjacent to road and arable fields. Mostly scrub with scattered mature oak.</p>		

Target note reference	Notes	Photographs	
TN477	Area of improved grassland between road and arable fields, perennial rye grass, thistle, meadow buttercup, nettle, broad leaf dock.		
TN478	Small stand of mature ash and blackthorn, remnant section of hedge. Few relic bird nests.		
TN479	Boundary formed of dense scrub, dry ditch, fenced.		








Target note reference	Notes	Photographs	
TN480	Large roadside verge consisting of long sward perennial rye grass, ragwort, common hogweed, evergreen bugloss.		
TN481	Roadside verge consisting of long sward perennial rye grass, ribwort plantain, cocks foot, an ash sapling.		
<i>TN482 – 494 not used</i>			
TN495	Area of dense scrub adjacent to road and arable fields. Bramble, hawthorn, nettle, thistle, cow parsley and gorse.		



Target note reference	Notes	Photographs	
TN496	<p>Small area of woodland mostly used for pheasant pens, lots of game cover adjacent. Oak, hawthorn and willow, mostly all semi mature with some older and one potential veteran. Unable to access interior due to game bird presence at landowner request.</p>		
	<p><i>TN497 not used</i></p>		
TN498	<p>Boundary consists of semi mature willow and mature oak interspersed with bramble.</p>		
	<p><i>TN499 not used</i></p>		



Target note reference	Notes	Photographs
TN500	New Pond N1. SuDS pond for new housing.	
TN501	Mature oak, no bat potential.	No photograph
TN502	Veteran oak tree, no bat potential.	






Target note reference	Notes	Photographs
TN503	<p>Woodland: species including holly, oak, elder, honeysuckle, hawthorn, blackthorn and poplar. No NVC community ground flora, no ancient woodland indicators.</p> <p>Hazel dormouse: optimal habitat due to potential nesting sites and feeding resources; known presence in locality.</p>	
TN504	<p>Introduced group of mature trees: eucalyptus, mulberry, cedar, oak.</p>	
TN505	<p>Veteran oak, dead limbs but no obvious potential roosting features. Negligible bat potential.</p>	

Target note reference	Notes	Photographs
TN506	Horse paddock - disturbed grassland.	
TN507	Veteran oak tree, no bat potential.	
	<i>TN508 not used</i>	



Target note reference	Notes	Photographs
TN509	<p>Woodland: Mixed plantation woodland with species including silver birch, Scots pine, ash, oak, elder, honeysuckle, blackthorn, hawthorn, holly.</p> <p>Hazel dormouse: optimal habitat due to nesting habitat and core habitat connectivity. Nest boxes present, met Andrew Hartley (Natural England) on site, who confirmed hazel dormice present in woodland and surrounding area.</p>	
TN510	Hazel dormouse box	



Target note reference	Notes	Photographs
TN511	Optimal reptile habitat mosaic and hibernacula.	
TN512	Hazel dormouse box, numbered '8', others also nearby.	







Target note reference	Notes	Photographs
TN513	<p>Scrub: Plantation scrub with bramble, hazel, oak, hornbeam and ash.  Hazel dormouse: optimal habitat. Hazel present and optimal feeding and nesting material.</p>	
TN514	<p>3x lines of semi and immature tree plantation. Birch sp., holm oak, hornbeam, oak, hawthorn, field maple. Ground flora is mown grass. No dead wood or other wood features.  Hazel dormouse: sub optimal, no nesting habitat (isolated immature saplings).</p>	
TN515	<p>Mixed plantation woodland, natural regeneration, but includes cherry laurel, improved ground flora, oak, sycamore, Scots pine, alder, larch, cedar. Deadwood present. Extensive canopy death. Low reptile potential.  Hazel dormouse: sub-optimal, poor understorey and limited food resources. No hazel.</p>	





Target note reference	Notes	Photographs
		
TN516	Dry ditch.	
TN517	Mature oak, no bat potential.	No photograph



Target note reference	Notes	Photographs
TN518	3x hares sighted.	
TN519	Veteran oak, no bat potential.	
	TN520 not used	



Target note reference	Notes	Photographs
TN521	<p>Woodland: Species including alder, hawthorn, elder, willow, poplar, oak, surrounding pond and adjacent to Tendring Brook.</p> <p>Hazel dormouse: optimal habitat due to connectivity to further habitat, potential nesting areas.</p>	
TN522	<p>Woodland: species include elder, holly, oak, spruce sp., hawthorn, poplar sp.</p> <p>Hazel dormouse: optimal habitat, connectivity to other potential habitat and areas suitable for nesting.</p>	
TN523	Hare sighting.	No photograph
	<i>TN524 not used</i>	



Target note reference	Notes	Photographs
TN525	<p>Woodland: varied tree species including mature willow, alder, sycamore, elder, oak, poplar, blackthorn, hawthorn, cedar species and pine species. Optimal reptile habitat.</p> <p>Hazel dormouse: optimal, no hazel, but other core species and nesting habitat.</p>	
	<p><i>TN526 and TN527 not used</i></p>	
TN528	<p>Woodland species include oak, alder, willow, poplar, hazel, holly. Optimal reptile habitat also.</p> <p>Hazel dormouse: optimal habitat, hazel present along with other supporting habitat.</p>	
	<p><i>TN529 not used</i></p>	



Target note reference	Notes	Photographs
TN530	Veteran oak tree, no bat potential.	 A photograph of a large, leafless oak tree with a thick, textured trunk and a wide, spreading canopy of bare branches. The tree stands in a green grassy field under a clear blue sky. A shadow of the person taking the photo is visible on the grass in the foreground.
TN531	Bracken, and nettle/dock scrub - part of good reptile mosaic with adjacent habitats.	 A photograph showing a field of tall, dry, brown bracken ferns in the foreground. In the background, there is a line of trees, including some bare deciduous trees and a few evergreens, under a clear sky.





Target note reference	Notes	Photographs
TN532	<p>Woodland: species include larch, Norway spruce, elder. Understorey includes brambles and nettles. Hazel dormouse: sub-optimal due to lack of key species.</p>	
TN533	<p>Woodland: Plantation poplar dominated woodland, with oak, cedar sp., elder also present. Historic plantation, with large deadwood piles and good understorey. Optimal reptile habitat, with rides and deadwood.</p> <p>Hazel dormouse: no Hazel, but honeysuckle and bramble extensive. Connected to habitat to the south, so requires further assessment. Optimal, although poor quality as core habitat.</p>	



Target note reference	Notes	Photographs
TN534	Veteran oak tree, no bat potential.	 A photograph of a large, leafless oak tree standing in a field. The tree has a thick, textured trunk and a wide, spreading canopy of bare branches. The ground is covered in dry grass and some low-lying vegetation. In the background, there are other trees and a clear blue sky.
TN535	<p>Woodland: Semi-natural woodland with ponds, extensive ground flora including yellow archangel but Spanish bluebells also present. Large deadwood present.</p> <p>Hazel dormouse: Optimal habitat, oak and ash woodland with sycamore understorey. Small parcel and no hazel present, but potential to function as core woodland.</p>	 A photograph of a woodland area. The foreground is dominated by dense, green ground flora, including yellow archangel and Spanish bluebells. In the background, there are several trees, including oak and ash, and a small pond is visible. The overall scene is a semi-natural woodland.



Target note reference	Notes	Photographs
TN536	Agricultural field margin - wet grassland with deadwood on field edge. Suitable ecotone for moderate reptile populations.	 A photograph showing a field margin with a mix of green grass and brown deadwood. The background features a line of trees under a blue sky with light clouds.
TN537	Garden, including amenity grassland, landscaped pond and mature trees.	 A photograph of a garden area featuring a landscaped pond in the foreground, surrounded by rocks and plants. In the background, there is a white house with a red roof and several mature trees under a clear blue sky.



Target note reference	Notes	Photographs
TN538	Mature oak tree, no bat potential.	
TN539	Veteran oak tree, no bat potential.	





Target note reference	Notes	Photographs
TN540	Line of mature oaks, isolated along field margin, no bat potential.	
TN541	Mature oak, no bat potential.	
TN542	Mature oak, no bat potential.	No photograph




Target note reference	Notes	Photographs
TN543	2x mature oaks, isolated in field, no bat potential.	
TN544	2x mature oaks, isolated in field margin, no bat potential.	



Target note reference	Notes	Photographs
TN545	Mature oak, isolated in landscape, no bat potential.	
TN546	Mature oak, isolated in landscape, no bat potential.	



Target note reference	Notes	Photographs
TN547	Agricultural field margin dominated by tall dock, hogweed, and other ruderal species.	
TN548	Mature isolated oak tree, no bat potential.	
TN549	Mature oak tree, isolated along field margin, no bat potential.	





Target note reference	Notes	Photographs
TN550	3x mature oak trees, isolated along field margin, no bat potential.	 A photograph showing three mature oak trees standing in a row along a grassy field margin. The trees are leafless, and the ground is covered in green grass. A dirt path or track runs alongside the trees.
TN551	Mature oak trees, isolated along field margin, no bat potential.	 A photograph of a single, large, mature oak tree standing in a field margin. The tree has a thick, textured trunk and bare branches. The background shows a green field under a clear blue sky.



Target note reference	Notes	Photographs
TN552	<p>Woodland: Semi-natural broadleaved woodland, sycamore, oak, willow, elder. Good structure, sycamore coppice, mature canopy and some evidence of regeneration, no browsing, understorey bramble and includes native bluebells.</p> <p>Hazel dormouse: optimal habitat, no hazel but bramble and oak, with good nesting potential. Potential core habitat.</p>	
TN553	<p>Scrub: tarmac dump, broad leaved dock, bramble and teasel dominated. Low value for reptiles (sheltering / basking), part of complex with woodland to north.</p>	
TN554	<p>Hare spotted running across ploughed field.</p>	





Target note reference	Notes	Photographs
TN555	<p>Woodland: Young trees, poplar, oak, hazel, cherry, ash, elder with limited ground flora including nettles, bramble, dogwood seedlings, cow parsley. Hazel dormouse: sub-optimal, no understorey to provide nesting habitat.</p>	
TN556	<p>Veteran tree, no bat roost potential.</p>	




Target note reference	Notes	Photographs
TN557	Hare spotted.	
TN558	Veteran oak tree, no bat potential.	






Target note reference	Notes	Photographs
TN559	Veteran tree, no bat roost potential.	
TN560	Veteran tree, no bat roost potential.	

Target note reference	Notes	Photographs
TN561	<p>Woodland: oak, ash, holly, hawthorn, sycamore, elder. Native bluebells present. Very narrow and exposed, adjacent to road.</p> <p>Hazel dormouse: sub-optimal habitat due to exposure.</p>	
TN562	<p>Broken barn owl box (no longer fit for purpose).</p>	
	<p>TN563 not used</p>	



Target note reference	Notes	Photographs
TN564	Woodland: Poor plantation woodland. Predominantly willow, and tall poplars and leylandii also present. Game cover. Very open with little cover.	
TN565	Woodland: with alder, poplar, oak, elder. Different ages classes, with some deadwood. Planted cherry laurel and leylandii also present. Bramble/nettle understory, small pockets of native bluebells identified. Hazel dormouse: sub-optimal habitat due to lack of substantial understorey. No hazel.	
TN566	Water fern <i>Azolla filiculoides</i> (invasive non-native, Schedule 9-listed species) present in drainage ditch. Approx. 5m of ditch affected.	
TN567	Multiple reptile features, but isolated. Suitable for small populations only. Debris piles.	

Target note reference	Notes	Photographs
TN568	<p>Bats: moderate potential, native mature plantation, good connection to other habitats. Hazel dormouse: sub-optimal habitat, no hazel, no understorey to nest in.</p>	
TN569	<p>Hare spotted.</p>	
TN570	<p>Reptile habitat: rides, deadwood, scrub bramble cover, loose earth for hibernating. Potential for larger reptile population to be supported.</p>	







Target note reference	Notes	Photographs	
TN571	<p>Woodland: Mixed plantation, with leylandii, and 5x native species including poplar, oak, ash, blackthorn, bramble. Bramble cover but no other notable ground flora. No age distribution, all semi-mature to early-mature.</p> <p>Bats: moderate potential, connectivity to surrounding landscape.</p> <p>Hazel Dormouse: sub-optimal habitat, no hazel and no understorey to nest in.</p>	 A photograph showing a long, straight row of tall, thin trees, likely poplars, planted in a field. The ground is covered with low-lying vegetation and some bare earth. The sky is clear and blue.	 A photograph of a woodland area with several trees, including some with yellowish bark, and a dense layer of undergrowth and brambles. The sky is blue with some light clouds.
TN572	<p>Newly planted hedge consisting of last season's hawthorn whips</p>	 A photograph of a newly planted hedge in a field. The hedge is made of hawthorn whips and is situated next to a plowed field. The sky is blue with white clouds, and there are power lines visible in the background.	



Target note reference	Notes	Photographs
TN573	Newly planted hazel and hawthorn whips forming new hedge with dry ditch	 A long, straight row of newly planted hazel and hawthorn whips forming a new hedge with a dry ditch. The plants are young and green, with some protective coverings still visible. The ditch is a simple earthen channel running alongside the hedge. The background shows a flat landscape under a blue sky with scattered white clouds.
TN574	Newly planted hawthorn and hazel whips incorporating existing semi mature and mature oaks into new hedgerow	 Two photographs showing newly planted hawthorn and hazel whips incorporating existing semi mature and mature oaks into a new hedgerow. The left photo shows a gravel path leading to a new hedgerow with a red barn in the background. The right photo shows a close-up of a large, mature oak tree being incorporated into the new hedgerow, with a person walking in the distance.

Target note reference	Notes	Photographs
TN575	Dry ditch adjacent to farm road. New hedge whips planted along edge	
TN576	Small woodland with mostly oak and hazel. Mostly semi mature trees. Game bird enclosure. Limited understorey. Potential dormice hazelnut feeding remains.	






Target note reference	Notes	Photographs	
TN577	Mixed plantation woodland with pheasant enclosure. Oak, pines, beech.		
TN578	Small area of semi natural woodland consisting mostly of open scrub areas and a pheasant pen. Mostly oak, elder, fern, bramble, silver birch, broad leaf dock, Yorkshire fog, perennial rye grass.		






Target note reference	Notes	Photographs
TN579	<p>Area of scrub with pond and scattered oak. Piles of rubble offering potential reptile hibernation options though potentially isolated. Willowherb, broad leaf dock, nettle, perennial rye grass, common hogweed, cow parsley</p>	 <p>The first photograph shows a wide view of a rural landscape with tall green grasses in the foreground, a dirt path, and scattered trees under a blue sky with white clouds. The second photograph is a closer view of a pile of rubble, including a large metal wheel and other debris, situated in a grassy area.</p>
TN580	<p>Narrow strip of woodland possibly formed by two very dense hedgerows. Oak, willow, elder, bramble. Well maintained along farm track. Moderate suitability for commuting bats</p>	 <p>The first photograph shows a close-up view of a dense thicket of green foliage, including trees and bushes. The second photograph shows a narrow dirt path or farm track running alongside a dense, well-maintained hedgerow of trees and bushes.</p>









## Appendix C – Hedgerow Results




Hedgerow reference	Notes	JNCC Code	Photographs
H001	Hawthorn intact hedgerow	J2.1.2	
H002	Species poor intact hedgerow with bramble	J2.1.2	
H003	Bramble intact hedgerow	J2.1.2	




Hedgerow reference	Notes	JNCC Code	Photographs	
H004	Blackthorn and hawthorn hedgerow with trees	J2.3.2		
H005	Blackthorn and hawthorn hedgerow with moderate suitability to support commuting / foraging bats.			
H006	Bramble hedgerow with moderate suitability to support commuting / foraging bats.			






Hedgerow reference	Notes	JNCC Code	Photographs	
H007	Bramble, hawthorn and elder intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2		
H008	Blackthorn and elder hedgerow.	-		
H010	Blackthorn and hawthorn hedgerow adjacent to PRow	-		




Hedgerow reference	Notes	JNCC Code	Photographs	
H011	Hawthorn and blackthorn hedgerow with trees and interspersed with bramble, with moderate suitability to support commuting / foraging bats.	-		
H012	Arable field with hawthorn hedgerow along roadside	-		
H013	Hawthorn blackthorn hedgerow with trees.	J2.3.2		




Hedgerow reference	Notes	JNCC Code	Photographs	
H014	Hawthorn hedge and associated ditch (dry at the time of the survey).	-		
H015	Hawthorn dominated hedgerow interspersed with dogrose and tall ruderals at base.	-		
H016	Hedgerow dominated by hawthorn and dog rose with trees.	-		




Hedgerow reference	Notes	JNCC Code	Photographs	
H017	Hawthorn and blackthorn dominated defunct hedgerow.	-		
H018	Grazed field with cows, fringed with blackthorn hawthorn defunct hedgerow.	-		
H019	Hawthorn blackthorn defunct hedgerow	J2.2.2		






Hedgerow reference	Notes	JNCC Code	Photographs
H020	Hawthorn defunct hedgerow	J2.2.2	
H021	Hawthorn, blackthorn and bramble hedgerow with trees	J2.3.2	
H022	Hawthorn blackthorn intact hedgerow	J2.1.2	




Hedgerow reference	Notes	JNCC Code	Photographs
H023	Hawthorn blackthorn hedgerow intact with trees	J2.3.2	
H024	Hawthorn blackthorn defunct hedgerow	J2.2.2	
H025	Hawthorn blackthorn defunct hedgerow with owl box present.	J2.2.2	




Hedgerow reference	Notes	JNCC Code	Photographs	
H026	Hawthorn blackthorn intact hedgerow	J2.1.2		
H027	Hawthorn blackthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2		
H028	Hawthorn and blackthorn defunct hedgerow	J2.2.2		





Hedgerow reference	Notes	JNCC Code	Photographs
H029	Hawthorn and blackthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2	
H030	Hawthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2	
H031	Hawthorn blackthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2	






Hedgerow reference	Notes	JNCC Code	Photographs	
H032	Hedgerow comprising bramble, hawthorn and blackthorn with moderate suitability to support commuting / foraging bats.	-		
H033	Hawthorn intact hedgerow	J2.1.2		
H034	Blackthorn and hawthorn defunct hedgerow with trees with moderate suitability to support commuting / foraging bats.	J2.3.2		




Hedgerow reference	Notes	JNCC Code	Photographs	
H035	Blackthorn and hawthorn hedgerow with trees	J2.3.2		
H036	Hawthorn and blackthorn defunct hedgerow	J2.2.2		
H037	Hawthorn and blackthorn hedgerow between railway and area of grassland	-		







Hedgerow reference	Notes	JNCC Code	Photographs
H038	Intact hawthorn and blackthorn hedgerow	J2.1.2	
H039	Hawthorn hedgerow with moderate suitability to support commuting / foraging bats.	-	
H040	Hawthorn hedgerow (intact)	J2.1.2	




Hedgerow reference	Notes	JNCC Code	Photographs	
H041	Bramble hedgerow with hawthorn shrubs and trees with moderate suitability to support commuting / foraging bats.	-		
H042	Hawthorn intact hedgerow with trees with moderate suitability to support commuting / foraging bats.	J2.1.2		
H043	Defunct hawthorn hedgerow with trees and stand of dead wood with moderate suitability to support commuting / foraging bats.	J2.2.2		




Hedgerow reference	Notes	JNCC Code	Photographs	
H044	Hawthorn blackthorn bramble hedgerow with moderate suitability to support commuting / foraging bats.	-		
H045	Hawthorn and blackthorn hedgerow	-		
H046	Hawthorn and blackthorn hedgerow with trees with moderate suitability to support commuting / foraging bats.	J2.3.2		




Hedgerow reference	Notes	JNCC Code	Photographs	
H047	Hawthorn and blackthorn hedgerow with trees with moderate suitability to support commuting / foraging bats.	J2.3.2		
H048	Hawthorn and blackthorn hedgerow with trees.	J2.3.2		
H049	Blackthorn and hawthorn hedgerow with amenity grassland verges plus a hardstanding track	J2.1.2		




Hedgerow reference	Notes	JNCC Code	Photographs	
H050	Blackthorn and hawthorn hedgerow with trees with moderate suitability to support commuting / foraging bats.	J2.3.2	 	
H051	Defunct hedgerow with a stand of dead wood. Ivy and bramble scrub present.	J2.2.2	 	
H052	Blackthorn and hawthorn defunct hedgerow	J2.2.2	 	




Hedgerow reference	Notes	JNCC Code	Photographs
H053	Blackthorn and hawthorn hedgerow with two mature oak trees with rot holes and broken limbs.	J2.1.2	
H054	Blackthorn and hawthorn hedgeline with three mature trees.	-	
H055	Intact blackthorn and hawthorn hedge adjacent to road and arable field.	J2.1.2	






Hedgerow reference	Notes	JNCC Code	Photographs	
H056	Hawthorn and blackthorn intact hedgerow	J2.1.2		
H057	Hawthorn and blackthorn defunct hedgerow	J2.2.2		
H058	Hawthorn, blackthorn and bramble defunct hedgerow.	J2.2.2		






Hedgerow reference	Notes	JNCC Code	Photographs	
H059	Hawthorn and blackthorn intact hedgerow with trees adjacent to railway line with moderate suitability to support commuting / foraging bats.	J2.1.2		
H060	Blackthorn and hawthorn hedgerow	-		
H061	Hawthorn, blackthorn hedgerow	-		






Hedgerow reference	Notes	JNCC Code	Photographs	
H062	Hawthorn and blackthorn hedgerow with trees, oak with broken limbs peeling bark and rot holes.	J2.3.2		
H063	Hawthorn and blackthorn intact hedgerow	J2.1.2		
H064	Blackthorn and bramble hedgerow with tall ruderals along base.	-		






Hedgerow reference	Notes	JNCC Code	Photographs	
H065	Hawthorn and blackthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2		
H066	Blackthorn and hawthorn hedgerow interspersed with low lying areas of bramble scrub	J2.2.2		
H067	Hawthorn, willow, oak, elm, blackthorn. Moderate suitability for commuting and foraging bats	-		






Hedgerow reference	Notes	JNCC Code	Photographs
H068	Ash, blackthorn, willow, oak, some gaps present. Narrow field margin or short sward grass. Moderate suitability for commuting and foraging bats	-	
H069	Well managed, recently flailed, hawthorn and blackthorn hedge with bramble. Moderate suitability for commuting and foraging bats	-	
H070	Mostly defunct hawthorn hedge with oak and poplar. Moderate suitability for commuting and foraging bats	-	

Hedgerow reference	Notes	JNCC Code	Photographs	
H071	Hedge with trees, plum, blackthorn, dog rose, willow, oak lining byway. High suitability for commuting and foraging bats	-		
H072	Dense blackthorn hedge, approx. 4m wide. Narrow field margin of short sward perennial rye grass with bramble. Moderate suitability for commuting and foraging bats	-		
H073	Mostly defunct hedge with standalone trees remaining, all mature oak with scattered blackthorn. Fenced, forms boundary of pastoral grazing land	-		







Hedgerow reference	Notes	JNCC Code	Photographs	
H074	Mature oak and scattered blackthorn and hawthorn. Moderate suitability for commuting bats.	-		
H075	Hedge bordering track, hawthorn, oak, field maple, dog rose, blackthorn. Moderate suitability for commuting bats	-		
H076	Hedge with large gaps at one end, consisting of nettle, thistle and bramble. Hawthorn, blackthorn, bristly oxtongue, dog rose, oak, elder. Moderate suitability for commuting bats and dormice	-		







Hedgerow reference	Notes	JNCC Code	Photographs	
H077	Hawthorn and willow with bindweed, bramble, dog rose, large gaps with just scrub vegetation. However moderate suitability for dormice due to proximity and connection of woodland	-		
H078	Mostly blackthorn and hawthorn. Dense hedge with lots of bramble. Good habitat for dormice. High suitability for commuting bats	-		
H079	Oak, hawthorn, blackthorn, dog rose, hazel. Common hogweed, perennial rye grass, ragwort, bramble. Large gaps filled with nettle and bramble. Moderate for commuting bats and dormice	-		








Hedgerow reference	Notes	JNCC Code	Photographs
H080	Hawthorn, occasional oak with some field elm. Ivy, bramble, nettle and dry ditch. Large gaps >5m present.	-	
H081	Hawthorn hedge, well maintained all along farm access track. Recently flailed/cut back. Nettle dominant throughout. Low suitability for commuting bats	-	
H082	Mainly hawthorn with some blackthorn with bramble, nettle and some laurel. Low suitability for commuting bats	-	






Hedgerow reference	Notes	JNCC Code	Photographs	
H083	Mainly blackthorn with some scattered ivy, uniform and well maintained though slightly overgrown at present time. Nettle and cocks foot dominant. Low suitability for commuting bats	-		
H084	Mainly hawthorn with some elder and ivy, nettle dominant. Moderate suitability for commuting bats	-		
H085	Wide dense hedge with some gaps, mostly willow with oak. Nettle, bramble, thistle, common hogweed and ferns. Moderate suitability for commuting bats and dormice potential			

Hedgerow reference	Notes	JNCC Code	Photographs	
H086	Oak, hazel, blackthorn, hawthorn, field maple, plum. Fenced. Short sward grass border looks to be managed. Nettle, bramble.	-		
H087	Largely defunct hedge with trees, mostly formed of scrub vegetation with scattered trees. Willow, oak, nettle, bramble. Low suitability for commuting bats.	-		
H088	Mostly defunct remnant hedge with mature oak, hawthorn and blackthorn and a dry ditch. Willowherb, nettle, bramble. Low suitability for commuting bats.	-		




Hedgerow reference	Notes	JNCC Code	Photographs	
H089	Dog rose, oak, field elm, brome, thistle, perennial rye grass, nettle, ivy, bindweed, hawthorn. Moderate suitability for commuting bats.	-		
H090	Hawthorn hedge adjacent to road, fenced. Some oak scattered. Bramble and nettle	-		




Hedgerow reference	Notes	JNCC Code	Photographs
H091	Hawthorn hedge with ivy and ash.	-	
H092	Elm, dog rose, ivy, semi mature oak, bramble. Roadside hedge heavily managed.	-	
H093	Field maple, blackthorn and hawthorn hedge with some plum with one semi mature ash. Grasses, ragwort, daisy, lady's thumb, cow parsley, common hogweed	-	









Hedgerow reference	Notes	JNCC Code	Photographs	
H094	Species poor intact hedge, consisting mostly of hawthorn oak sycamore and brambles	-		
H095	Species poor intact hedge, consisting mostly of hawthorn oak sycamore and brambles	-		
H096	Intact hedge consisting of hawthorn, blackthorn. Moderate suitable for commuting and foraging bats.	-		



Hedgerow reference	Notes	JNCC Code	Photographs
H097	Species poor intact hedge, narrow margin consisting of bristly oxtongue, perennial rye grass. Hedge consisting of oak, hawthorn, blackthorn, dog rose. Moderate suitable for commuting and foraging bats.	-	
H098	Species poor intact hedge, narrow margin consisting of bristly oxtongue, perennial rye grass. Hedge consisting of oak, hawthorn, blackthorn, dog rose. Moderate suitable for commuting and foraging bats.	-	No photograph
H099	Hedge consisting of oak, Blackthorn, Hawthorn, Dog Rose. Moderate suitability for commuting and foraging bats. Narrow short sward field margin, fairly managed	-	
H100	Consisting of Hawthorn, Blackthorn, Oak, Field Maple and Dog Rose. Moderate suitability for commuting and foraging bats. Semi-natural field margins with cocks-foot, brome spp., and thistle present	-	




Hedgerow reference	Notes	JNCC Code	Photographs
H101	Consisting of Blackthorn, Hawthorn, Dog Rose and Oak with Ivy and Bramble present. Moderate suitability for commuting and foraging bats	-	
H102	Hedge consisting of hawthorn, blackthorn, dog rose, sycamore with some gaps consisting of bramble. Nettle also abundant. Moderate suitability for commuting and foraging bats.	-	
H103	Blackthorn and hawthorn hedge with dog rose, bramble. No field margin. Moderate suitability for commuting and foraging bats	-	




Hedgerow reference	Notes	JNCC Code	Photographs
H104	Field consisting of blackthorn, oak, sycamore, dog rose, elm. Some sections just infilled with bramble and nettle. Moderate suitability for commuting and foraging bats.	-	
H105	Roadside hedge consisting of predominantly hawthorn, with some dog rose. Well managed. Low suitability for commuting and foraging bats	-	
H106	Defunct hedge with trees. Oak, Ash, Bramble, Blackthorn. Some gaps filled in by scrub. Large extents of standalone trees. Moderate suitability for commuting and foraging bats	-	




Hedgerow reference	Notes	JNCC Code	Photographs	
H107	Hawthorn, blackthorn, dog rose and oak. Mostly short sward grass (perennial rye grass) makes up narrow field margin.	-		
H108	Blackthorn, Hawthorn, Dog Rose, bindweed. Large gaps in hedge. Moderate suitability for commuting and foraging bats	-		
H109	Hawthorn, Blackthorn, Dog Rose present. Moderate suitability for commuting and foraging bats.	-		
H110	Hawthorn, Blackthorn, Dog Rose present. Moderate suitability for commuting and foraging bats.	-	No photograph	






Hedgerow reference	Notes	JNCC Code	Photographs
H111	Hedge with trees but majority is defunct with standalone hedge and trees. Oak, sycamore, blackthorn. Also vegetated dry ditch present. Willow herb, bramble, nettle	-	
H112	Blackthorn, Sweet Chestnut, Willow, Dog Rose, Ivy, Hazel. Fenced and moderate suitability for commuting and foraging bats	-	
H113	Roadside hedge, well managed. Bindweed, bramble, elm, hawthorn, ivy, dog rose. Defunct in sections with dead trees. Low suitability for commuting and foraging bats.	-	





Hedgerow reference	Notes	JNCC Code	Photographs
H114	Hedge with trees, large gaps infilled with bramble scrub, fenced. Oak, field maple, hawthorn, willow, dog rose, nettle, broad leaf dock, thistle. Short sward perennial rye grass field margin. Moderate suitability for commuting and foraging bats.	-	
H115	Hedge consisting of hawthorn, blackthorn, field maple, oak and dog rose. Moderate suitability for commuting and foraging bats.	-	
H116	Hedge coming off small area of woodland down to road, consists mostly of hawthorn with small sections of bramble, largely defunct. Low suitability for commuting and foraging bats.	-	




Hedgerow reference	Notes	JNCC Code	Photographs
H117	Largely defunct blackthorn hedge with some scattered semi mature oak, dog rose, bramble, cocks foot, brome.	-	
H118	Hedge consisting mostly of blackthorn, largely defunct.	-	
H119	Roadside hedge consisting mostly of hawthorn and blackthorn.	-	







Hedgerow reference	Notes	JNCC Code	Photographs
H120	Hedge consisting of mostly hawthorn with blackthorn, willow, ivy, bramble. Moderate suitability for commuting and foraging bats	-	
H121	Largely defunct boundary between houses and arable land. Scattered trees. Hawthorn, cypress, willow.	-	
H122	Hawthorn hedge, roadside. Short section of hedge between farm and adjacent houses.	-	








Hedgerow reference	Notes	JNCC Code	Photographs
H123	Roadside hedge consisting of hawthorn with some blackthorn, willow, bramble, nettle and dog rose. Moderate suitability for commuting and foraging bats.	-	
H124	Hawthorn hedge at roadside, some bramble, nettle, dog rose and a narrow field margin of short sward perennial rye grass. Moderate suitability for commuting and foraging bats.	-	
H125	Hawthorn, blackthorn. Moderate suitability for commuting and foraging bats.	-	

Hedgerow reference	Notes	JNCC Code	Photographs	
H126	Hedge consisting of hawthorn blackthorn, field maple, dog rose and bramble. Cow parsley and mallow in field margin. Moderate suitability for commuting and foraging bats	-		
H127	Consisting of hazel, ash, oak, ivy, dog rose. Limited potential for dormice. Moderate suitability for commuting and foraging bats.	-		
H128	Largely defunct hawthorn hedge with bramble, bindweed. Low suitability for commuting and foraging bats			




Hedgerow reference	Notes	JNCC Code	Photographs	
H129	Predominantly hawthorn and blackthorn with scattered willow and dog rose. Moderate suitability for commuting and foraging bats.			
H130	Well managed hedge consisting of hazel, hawthorn, field maple, blackthorn, ash, oak. Moderate suitability for commuting and foraging bats			
H131	Hedge w/trees mostly defunct in large sections. Consist mostly of hawthorn, gorse, field maple, ivy, elm, blackthorn, dog rose and oak, moderate suitability for commuting bats. Regularly managed.			



Hedgerow reference	Notes	JNCC Code	Photographs	
H132	Largely defunct hedge with trees with large gaps infilled with ferns, bramble. Willow, walnut, ash, thistle. Moderate suitability for commuting bats.	-		
H133	Largely defunct potentially remnant hedge consisting of mature oak with large gaps. Towards northern end, some hedge species present such as blackthorn.	-		
H134	Blackthorn, hawthorn, alder, bramble, thistle, fern, nettle, common hogweed, ragwort. Moderate suitability for commuting bats	-		









Hedgerow reference	Notes	JNCC Code	Photographs	
H135	Hedge bordering land parcel, full access not possible due to horses grazing and electric fencing. Oak, willow, dog rose, hawthorn, elder. Largely defunct with scrub in gaps.	-		
H136	Hedge with mature trees that becomes largely defunct in one area, trees widening into a small patch of woodland around a track. Hawthorn, blackthorn, hazel, ash, dog rose. Moderate suitability for commuting bats and dormice.	-		
H137	Predominantly blackthorn roadside hedge. Some bramble present. Adjacent to overgrown tall ruderal field.	-		








Hedgerow reference	Notes	JNCC Code	Photographs
H138	Blackthorn, hawthorn and dog rose, dense hedge. Adjacent to field of tall ruderal vegetation. Moderate suitability for commuting bats as well connected to other hedge lines.	-	
H139	Blackthorn, poplar, oak, hawthorn, fenced. Moderate suitability for commuting bats	-	
H140	Predominantly blackthorn hedge with dog rose, bramble, thistle. Mature oak and poplar. Fenced. Moderate suitability for commuting bats	-	




Hedgerow reference	Notes	JNCC Code	Photographs	
H141	Defunct hedge with trees, large gaps in areas, hawthorn, blackthorn, oak and field maple.	-		
H142	Hedge with trees but mostly defunct in large sections, oak ranging from semi- mature to mature. Some scattered hawthorn, hazel and blackthorn but scattered	-		
H143	Largely defunct hedge with nettle, bramble, dog rose, ivy, cow parsley, bindweed, alder, hawthorn. Moderate suitability for commuting bats.	-		




Hedgerow reference	Notes	JNCC Code	Photographs
H144	Predominantly cypress with some oak, blackthorn, dog rose. Moderate suitability for commuting bats	-	
H145	Hawthorn and blackthorn hedge with some bramble, crack willow and mature oak. Moderate suitability for commuting bats.	-	
H146	Mostly blackthorn and hawthorn with some bramble, willowherb and nettle. Moderate suitability for commuting bats.	-	




Hedgerow reference	Notes	JNCC Code	Photographs	
H147	Hawthorn, blackthorn, nettle, bramble, nettle, thistle, semi mature oak. Moderate suitability for commuting bats.	-		
H148	Hawthorn, blackthorn, bramble. Moderate suitability for commuting bats	-		
H149	Dense hedge with some newly planted whips c.2 years old. Hawthorn, dogwood, blackthorn, hazel. Optimal for dormice and moderate suitability for commuting bats. Barn owl box	-		






Hedgerow reference	Notes	JNCC Code	Photographs	
H150	Predominantly blackthorn and hawthorn with some dog rose and bramble. Moderate suitability for commuting bats.	-		
H151	Hawthorn, blackthorn, oak, bramble, yarrow, Yorkshire fog. Moderate suitability for commuting bats	-		
H152	Predominately blackthorn with some hawthorn, elm, dog rose, semi mature ash, bramble willowherb. Moderate potential for commuting bats	-		




Hedgerow reference	Notes	JNCC Code	Photographs
H153	Blackthorn, dog rose, cocks foot, oak. Moderate suitability for commuting bats	-	
H154	Mostly blackthorn with some bramble, field maple, oak, thistle. Moderate suitability for commuting bats. Fenced. Optimal for hazel dormice, as connected to core habitat.	-	
H155	Oak, blackthorn, bramble, dog rose. Fenced. Moderate suitability for commuting bats. Optimal for hazel dormice, as connected to core habitat.	-	




Hedgerow reference	Notes	JNCC Code	Photographs
H156	J211 hawthorn, hazel, oak, field maple, blackthorn. Dense, wide hedge optimal for dormice. Fenced on both sides. Moderate suitability for commuting bats.	-	
H157	Species poor intact well managed hawthorn hedge road side	-	
H158	Species poor intake hedge consisting mainly of hawthorn, net long fence at the bottom. Some oak trees and blackthorn too.	-	
	<i>H159 not used</i>		





Hedgerow reference	Notes	JNCC Code	Photographs	
H160	Species poor intake hedge with the occasional tree, 3m high, 2m wide with apple trees, hawthorn, blackthorn, Dog rose, oak, ivy, bramble and some field maple. Moderate for commuting bats	-		
<i>H161 not used</i>				
H162	Hawthorn, hazel, willowherb, oak saplings and semi mature scattered trees. Moderate suitability for commuting bats.	-		
H163	Newly planted hedge with approx. 1-2 year whips and saplings. Hawthorn, oak and poplar.	-		






Hedgerow reference	Notes	JNCC Code	Photographs	
H164	Hawthorn, field maple, bramble, poplar, oak.	-		
H165	Newly planted hawthorn hedge with scattered oak, whips approx. 1 yr, some failed. Dry ditch also present.	-		
H166	Hedgerow lining grass access track. Alder, willow, blackthorn, birch, oak. Large gaps in places and a dry ditch. Moderate suitability for commuting bats	-		




Hedgerow reference	Notes	JNCC Code	Photographs
H167	Laurel hedge, well maintained garden hedge.	-	
H168	Ash, dog rose, oak, hawthorn, blackthorn. Well maintained roadside hedge and dry ditch. Moderate suitability for commuting bats.	-	
H169	Manicured garden hedge, consisting mostly of beech. Low suitability for commuting bats.	-	
H170	Hedge consisting of semi mature and mature oak, nettle, elder, plum, sycamore, dog rose. Low suitability for commuting bats.	n/a	No photograph




Hedgerow reference	Notes	JNCC Code	Photographs
H171	Hedge consisting of semi mature and mature oak, nettle, elder, plum, sycamore, dog rose. Low suitability for commuting bats.	-	
H172	Roadside hedge consisting of oak, bramble, hawthorn, largely defunct with a dry ditch	-	
H173	J221 - well maintained, garden and roadside hedge. Holly, hawthorn, oak, blackthorn, ivy.	-	




Hedgerow reference	Notes	JNCC Code	Photographs	
H174	Largely defunct hedge with trees, large gaps. Hazel, willow, alder, oak, bramble, horseradish, nettle and a dry ditch	-		
H175	Defunct hawthorn hedge with large gaps. Dog rose, perennial rye grass, nettle, cow parsley, bramble, common hogweed, black horehound.	-		
H176	Wide hedge with trees lining narrow stream with very low levels of standing water. Ash, hazel, blackthorn, oak, willow. PRoW adjacent with short sward perennial rye grass. Moderate suitability for commuting and foraging bats. Hazel dormouse: optimal, connected to core habitat surrounding Tendring Brook to south.	J2.3.1	 	
<i>H177 – H202 not used</i>		<i>n/a</i>	<i>n/a</i>	





Hedgerow reference	Notes	JNCC Code	Photographs
H203	Hawthorn hedge, largely defunct with standalone hawthorn shrubs in sections. Grass farm track adjacent, short sward perennial rye grass with some bramble.	-	
H204	Section of hedgerow and associated trees (willow). Bramble scrub also present.	-	
H205	Farm access track comprising exposed mud and fringed by areas of scrub and hedgerow (predominately bramble scrub and hawthorn hedgerow), with moderate suitability to support commuting / foraging bats.	-	



Hedgerow reference	Notes	JNCC Code	Photographs	
H206	Maintained hawthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	-		
H207	Hawthorn hedgerow with trees, tall ruderals and herb field margin approximately 3m wide, with moderate suitability to support commuting / foraging bats.	-		
H208	Arable in crop with 17m wide grass strip and hawthorn and blackthorn hedgerow present.	-		



Hedgerow reference	Notes	JNCC Code	Photographs	
H209	Hawthorn, ivy and blackthorn hedgerow with moderate suitability to support commuting / foraging bats.	-		
H210	Blackthorn and hawthorn intact hedgerow with moderate suitability to support commuting / foraging bats.	J2.1.2		
H211	Hawthorn and bramble intact hedgerow along base of dry ditch with moderate suitability to support commuting / foraging bats.	-		



Hedgerow reference	Notes	JNCC Code	Photographs
H212	Semi improved grassland bounded by hawthorn and blackthorn hedgerow with trees	-	
H213	Unmanaged field margin with tall ruderal, bristly ox-tongue, cow parsley, perennial rye grass. Hedge consisting of oak, hawthorn, blackthorn, dog rose and elm spp. Moderate suitable for commuting and foraging bats.	J2.1.1	
H214	Regularly maintained, short sward narrow field margin. Contains Dog Rose, blackthorn, hawthorn. Moderate suitability for commuting and foraging bats	J2.1.2	





Hedgerow reference	Notes	JNCC Code	Photographs
H215	Semi natural field margin for over 1m. Hedge contains blackthorn, hawthorn, field maple, bramble. Moderate suitability for commuting and foraging bats.	J2.1.2	
H216	Bats: negligible potential, species poor blackthorn immature hedge. No connectivity. Hazel dormouse: sub-optimal, isolated from core habitat.	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H217	<p>Bats: Low potential, defunct hedgerow with trees, with one large gap to north, field maple, oak, blackthorn. Large gaps present.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.1	
H218	<p>Bats: Blackthorn, elder and standing trees. Low potential commuting and foraging habitat for bats due to low connectivity to optimal habitat.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H219	<p>Bats: moderate commuting and foraging habitat, adjacent to good roosting and woodland habitat.  Hazel dormouse: optimal within 70m of core habitat which provides good feeding resource.</p>	J2.3.1	
H220	<p>Bats: low potential commuting and foraging habitat as limited connectivity at eastern edge and close cropped hedge cut to 1.75 m consisting of hawthorn and blackthorn.  Hazel dormouse: sub-optimal as no core habitat or connectivity to it.</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H221	<p>Bats: moderate potential, 2m wide, 2-3m high, disturbed ground flora, mixed hedge with oak, hazel, bramble, sycamore, ash, hawthorn, elder, birch sp. woodland and ponds located at either end.</p> <p>Hazel dormouse: optimal, hazel bramble and oak present and good hedgerow structure, although adjacent to road and &gt;70m from core habitat, core habitat linked to the west and nearby woodland parcels.</p>	J2.3.1	
H222	<p>Bats: Close cut approx. 2m tall, hawthorn hedge. Low potential commuting and foraging habitat for bats as species poor. some connectivity to surrounding landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p> <p>Species poor defunct hedge with gaps consisting of hawthorn. Managed by landowner, rather flailed. Some dog rose and oak.</p>	J2.1.2	






Hedgerow reference	Notes	JNCC Code	Photographs
H223	<p>Bats: low potential - immature 3m high hedgerow, 4m wide, with hazel, hawthorn, hornbeam blackthorn. No ground flora.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.1.1	
H224	<p>Bats: moderate commuting and foraging habitat due to connectivity to wider habitat network adjacent to stream. species including oak, hazel, hawthorn and ash.</p> <p>Hazel dormouse: sub-optimal as limited nesting habitat and isolated from other core habitat.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H225	<p>Bats: negligible potential, defunct and not providing and shelter. Hawthorn only, no ground flora.  Hazel dormouse: sub-optimal, no food resource or nearby core habitat.</p>	J2.2.2	
H226	<p>Bats: hedgerow with trees, with gaps. Field maple, ash, oak, hawthorn, blackthorn. No ground flora, arable right up to hedgerow edge. Connected to small woodland parcel to south, otherwise isolated. Moderate potential.  Hazel dormouse: sub-optimal, connected to adjacent potential core habitat (small woodland), although condition of woodland poor, and no other connection present. No hazel.</p>	J2.3.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H227	<p>Bats: species include veteran oak and ash, elm, hawthorn and blackthorn. Moderate bat commuting and foraging habitat as tall, species rich and connected to and close to wider habitat.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.3.1	
H228	<p>Bats: mature alder, elder, oak and willow. Moderate bat commuting and foraging habitat, adjacent to watercourse and connects two parcels of woodland. Consistent tall trees along length.</p> <p>Hazel dormouse: optimal due to connectivity to core habitat.</p>	J2.3.1	
	H229 not used		



Hedgerow reference	Notes	JNCC Code	Photographs
H230	<p>Bats: low potential, narrow hawthorn hedge with oak cherry ash standards. connected to woodland to west. Moderate.</p> <p>Hazel dormouse: sub-optimal, closely-cropped hedge with no fruit.</p>	J2.3.2	
H231	<p>Bats: Moderate potential, hawthorn hedge with oak, willow, alder and hornbeam standards. No buffer strip and improved ground flora, but brook to south side. Good connection to woodland and brook to west.</p> <p>Hazel dormouse: optimal, adjacent to good connecting habitat with apparent diversity (no hazel).</p>	J2.3.1	





Hedgerow reference	Notes	JNCC Code	Photographs
H232	<p>Bats: moderate commuting and foraging habitat as adjacent to watercourse and very close to areas of woodland. Species in hedgerow include elder, elm, oak trees, hawthorn and dog rose. Fairly tall hedge approx. 2.5m high.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.1	
H233	<p>Bats: Moderate potential, well connected to good commuting habitat to south. Mixed sp., cedar sp., oak hornbeam.</p> <p>Hazel dormouse: sub-optimal, few target sp., and isolated from core habitat</p>	J2.3.2	
H234	<p>Bats: cedar hedge. Negligible potential</p> <p>Hazel dormouse: cedar hedge, no suitable nesting of food sub-optimal.</p>	J2.3.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H235	<p>Bats: species include hawthorn, elder, dog rose, brambles. Moderate potential foraging habitat for bats due to close proximity to woodland and pond, as well as connectivity to wider landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.2.2	
H236	<p>Bats: Negligible potential. Defunct, isolated hawthorn hedge.</p> <p>Hazel dormouse: sub-optimal due to highly gappy nature and no nesting habitat present.</p>	J2.2.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H237	<p>Bats: low potential commuting foraging habitat, connected to woodland and wider landscape but cropped low and only hawthorn present</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	
H238	<p>Bats: short narrow hawthorn hedge, with oak standards. Largely defunct. Moderate bat potential, due to connecting habitats.</p> <p>Hazel dormouse: sub-optimal, as narrow, exposed hedgerow.</p>	J2.3.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H239	<p>Bats: low potential, defunct hawthorn hedgerow with oak standards. No ground flora, isolated in landscape.</p> <p>Hazel dormouse: sub optimal, isolated from core habitat.</p>	J2.3.2	
H240	<p>Bats: low potential foraging and commuting habitat for bats. Connected to woodland and adjacent to farm buildings with connectivity to wider landscape. However, closely cut and species poor - only hawthorn and ivy present.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H241	<p>Bats: leylandii garden hedge - negligible potential.  Hazel dormouse: leylandii hedge, no suitable nesting of food sub-optimal.</p>	J2.1.2	
H242	<p>Bats: moderate commuting and foraging habitat, double hedgerow with blackthorn, hawthorn and mature oak trees. connected to woodland and wider landscape. Parts of hedge tall.  Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.2.2	





Hedgerow reference	Notes	JNCC Code	Photographs
H243	<p>Bats: negligible potential. Close cropped hedge of hawthorn, holly and ivy surrounding a garden associated with relatively new house which is unlikely to provide roosting habitat. Limited connectivity to surrounding landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	
H244	<p>Bats: Negligible foraging and commuting potential. Close cut hawthorn hedgerow.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.2.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H245	<p>Bats: Low potential, defunct hedgerow, hawthorn only with oak standards. Isolated in landscape.  Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	
H246	<p>Bats: Negligible potential, very gappy and isolates. Hawthorn only, short and narrow.  Hazel dormouse: sub-optimal, due to low connectivity to core habitat.</p>	J2.2.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H247	<p>Bats: Negligible potential, very gappy, and isolated.  Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.2	
H248	<p>Bats: Negligible potential, very gappy and isolated. Ash, hawthorn dominated.  Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H249	<p>Bats: low potential, connectivity to wider network but very gappy. Hawthorn, with some mature oaks. Located around horse paddock and buildings.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.2	
H250	<p>Bats: low, connectivity to wider network but very gappy. Blackthorn, with some mature oaks. Located around cow shed.</p> <p>Hazel dormouse: sub-optimal, very gappy.</p>	J2.1.2	No photograph
H251	<p>Bats: tall hedge adjacent to linear pond. Species including oak, elder, hawthorn, willow and dog rose. Moderate commuting and foraging habitat with good connectivity to wider landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H252	<p>Bats: hawthorn hedge with some oak. Moderate commuting and foraging habitat due to connectivity to wider landscape and presence of pond and scrub area.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	 <p>A photograph showing a long, straight hedgerow running through a rural landscape. The hedgerow is composed of dense, brownish vegetation, likely hawthorn and oak. To the left of the hedgerow is a field of dry, brown grass. The sky is clear and blue.</p>
H253	<p>Bats: Low, short and low hawthorn hedgerow providing some foraging opportunities only.</p> <p>Hazel dormouse: sub-optimal, species-poor and isolated from core habitat.</p>	J2.1.2	 <p>A photograph showing a low, short hedgerow running through a rural landscape. The hedgerow is composed of dense, brownish vegetation, likely hawthorn. To the left of the hedgerow is a field of dry, brown grass. The sky is clear and blue.</p>





Hedgerow reference	Notes	JNCC Code	Photographs
H254	<p>Bats: Low potential, gappy and exposed hedgerow but with mature oaks scattered along length. Hawthorn, brambles, honeysuckle, blackthorn, oak. However moderate connections to woodland to north.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.1.2	
H255	<p>Bats: low species diversity, close cut hedge (1-1.5m) privet, hawthorn and ivy. 3 trees along length. Low potential for commuting foraging habitat, some connectivity to woodland and wider landscape.</p> <p>Hazel dormouse: sub-optimal, low connectivity to core habitat.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H256	<p>Bats: Negligible potential, extremely gappy, not a linear feature.  Hazel dormouse: sub-optimal, not linear feature.</p>	J2.2.2	
H257	<p>Bats: hedgerow mainly comprising hawthorn ivy and bramble. Limited understorey, low potential for bat commuting or foraging as closely cropped about 2m height. well connected to surrounding habitat including woodland. Close to A-road.  Hazel dormouse: sub-optimal, low connectivity to core habitat.</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H258	<p>Bats: Low potential, short (1m) hawthorn only hedgerow adjacent to busy A-road. Good connectivity to east, but very exposed.</p> <p>Hazel dormouse: sub-optimal, species poor and isolated.</p>	J2.1.2	
H259	<p>Bats: low potential foraging and commuting as close cut, mostly hawthorn, but reasonable connectivity to woodland and other hedgerow habitat.</p> <p>Hazel dormouse: sub-optimal, low connectivity to core habitat</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H260	<p>Bats: low potential foraging and commuting habitat as species poor, mainly hawthorn, and close cut. Reasonable connectivity to wider landscape including woodland.</p> <p>Hazel dormouse: sub-optimal, no connectivity to core habitat.</p>	J2.1.2	
H261	<p>Bats: moderate potential foraging as closely cut hedgerow, limited species, hawthorn-dominated, but connected to woodland and adjacent to ditch.</p> <p>Hazel dormouse: sub-optimal, low connectivity to core habitat</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H262	<p>Bats: low potential, willow hedge with bramble, low density hedge with minimal ground flora, but good connectivity to watercourse valley to north.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.1.2	
H263	<p>Bats: Negligible potential, very gappy, semi-mature trees. Oak, hawthorn, willow, elm.</p> <p>Hazel dormouse: sub-optimal, no suitable nesting habitat.</p>	J2.2.1	





Hedgerow reference	Notes	JNCC Code	Photographs
H264	<p>Bats: strimmed hedge with ivy, hawthorn and oak. Low potential foraging and commuting habitat.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.1.2	
H265	<p>Bats: low commuting and foraging potential, close to nearby buildings and road. Species include blackthorn, hawthorn, elder, cherry laurel and willow.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H266	<p>Bats: low foraging and commuting potential. Species poor, only hawthorn and holly with bramble. Cut to 2m. Poor connectivity to wider landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	
H267	<p>Bats: low commuting and foraging potential as composed of hawthorn and bramble and closely cut. Some connectivity to wider landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H268	<p>Bats: some mature trees including alder, willow and oak as well as brambles, hawthorn and ivy. Low potential foraging and commuting habitat as adjacent to stream with mix of species, but limited connectivity to wider landscape.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.2.1	
H269	<p>Bats: Negligible potential, defunct and narrow, with no ground flora.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H270	<p>Bats: Negligible potential, defunct and comprising &lt;20 trees with no ground flora.  Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.2	
H271	<p>Bats: negligible commuting and foraging potential. Gappy hedge with limited connectivity to wider landscape.  Hazel dormouse: sub-optimal due to limited connectivity to core habitat.</p>	J2.2.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H272	<p>Bats: hawthorn hedge, with occasional blackthorn and dog rose. 2m High and narrow, with improved ground flora only. Low potential, as although poor habitat in connected to foraging ponds near farmhouse.</p> <p>Hazel dormouse: sub-optimal, species poor and isolated.</p>	J2.1.2	
H273	<p>Bats: low potential commuting and foraging habitat due to low species diversity, only hawthorn and bramble present with occasional gorse. Cropped to 2m height. Connected to wider landscape and water features via further hedgerow and woodland.</p> <p>Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.1.2	





Hedgerow reference	Notes	JNCC Code	Photographs
H274	<p>Bats: Negligible potential, very gappy, scattered semi-mature trees. Oak, hawthorn, ash, holly.</p> <p>Hazel dormouse: sub-optimal, no suitable nesting foliage and isolated from core habitat.</p>	J2.2.1	 A photograph showing a narrow, unpaved path or track running alongside a hedgerow. The hedgerow consists of several trees, including a prominent one with light-colored bark and bare branches in the foreground. The background shows a clear blue sky and a distant horizon line.
H275	<p>Bats: low potential, line of mature black poplar, no understorey, limited connectivity.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.3.2	 A photograph showing a dense, vertical line of mature black poplar trees. The trees are tall and thin, with bare branches. The ground in the foreground is a mix of grass and dirt, and the background shows a clear blue sky.




Hedgerow reference	Notes	JNCC Code	Photographs
H276	<p>Bats: Moderate potential, minimal buffer strip but continuous feature connecting to woodland habitat to the north.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.1.2	
H277	<p>Bats: moderate commuting and foraging habitat. Hedgerow with trees including oak, hawthorn, elm, holly and extensive ivy. Connected to woodland areas and further commuting habitats.</p> <p>Hazel dormouse: sub-optimal, not connected to core habitat.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H278	<p>Bats: low potential for commuting or foraging due to limited species diversity (mainly hawthorn and bramble) and managed hedgerow cut to 2m.  Hazel dormouse: sub-optimal, no connectivity to core habitat.</p>	J2.1.2	
H279	<p>Bats: hedgerow with oak, hawthorn and elder. Moderate potential due to connectivity to wider landscape.  Hazel dormouse: sub-optimal, limited connectivity to core habitat</p>	J2.1.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H280	<p>Bat: species include oak, hawthorn, elder, blackthorn, poplar. Low commuting and foraging habitat, gappy hedge, limited onward connectivity to woodland or other habitat.</p> <p>Hazel dormouse: sub-optimal, no connectivity to core habitat.</p>	J2.2.1	
H281	<p>Bats: moderate potential, ditch and treeline combined, also arable field margin adjacent, good invertebrate assemblage likely. Moderate connection to other habitats. Some isolated veteran trees present.</p> <p>Hazel dormouse: sub-optimal, no hazel, no understorey to nest in.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H282	<p>Bats: mature hedgerow interspersed with mature trees including oak. Hedgerow species blackthorn, hawthorn, oak with brambles and ivy. Moderate potential with connectivity to trees at substation site.</p> <p>Hazel dormouse: sub optimal. No Hazel present and separate from any core habitat.</p>	J2.3.1	
H283	<p>Bats: low scrubby hedge with hawthorn, blackthorn and oak. Moderate commuting and foraging with connectivity to wider habitat.</p> <p>Hazel dormouse: sub-optimal, no connectivity to core habitat.</p>	J2.3.2	





Hedgerow reference	Notes	JNCC Code	Photographs
H284	<p>Bats: Moderate potential, associated with hedgerow parallel to south and two parallel ditches, and connected to woodland to east. Oak, hawthorn, bramble dominated.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.1.1	
H285	<p>Bats: Negligible potential, no linear feature present, and no roosting opportunities.</p> <p>Hazel dormouse: sub-optimal, no linear feature present.</p>	J2.2.2	
H286	<p>Bats: Low potential, windbreak, coherent linear feature, but no mature trees or species diversity, or good connecting habitat.</p> <p>Hazel dormouse: sub-optimal, no key species present or connection to core habitat.</p>	J2.1.2	



Hedgerow reference	Notes	JNCC Code	Photographs
H287	<p>Bats: Negligible potential, isolated semi-mature line of trees.  Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.1	
H288	<p>Bats: moderate commuting and foraging habitat, species rich hedgerow with dogwood, oak, hawthorn, with some mature trees. Tall hedge, not managed. Well connected to wider habitat.  Hazel dormouse: sub-optimal, no connectivity to core habitat.</p>	J2.1.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H289	<p>Bats: Negligible potential, gappy and exposed, unconnected to surrounding habitat. Elm, oak, hawthorn.</p> <p>Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.2	
H290	<p>Bats: Low potential, elm and hawthorn, but gappy. Limited connectivity.</p> <p>Hazel dormouse: sub-optimal, no key species or connection to core habitat.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H291	<p>Bats: Moderate potential, species-rich, 2m wide, tall trees, but limited connectivity.  Hazel dormouse: sub-optimal, no connection to core habitat.</p>	J2.3.1	
H292	<p>Bats: Low potential, coherent feature, connected to other linear features, but not to roost sites.  Hazel dormouse: sub-optimal, not connected to core habitat.</p>	J2.1.2	


Hedgerow reference	Notes	JNCC Code	Photographs
H293	Bats: Negligible potential, scattered immature trees. Hazel dormouse: sub-optimal, isolated from core habitat.	J2.2.1	
H294	Bats: Moderate potential, well connected to potential roost site (barn) and provides species rich linear habitat. Hazel dormouse: sub-optimal isolated from core habitat.	J2.2.1	




Hedgerow reference	Notes	JNCC Code	Photographs
H295	<p>Bats: Low potential due to gappy nature and isolation in landscape.  Hazel dormouse: sub-optimal due to low connectivity to core habitat.</p>	J2.2.1	
H296	<p>Bats: Negligible potential, isolated in landscape, mature trees but scattered.  Hazel dormouse: sub-optimal, isolated from core habitat.</p>	J2.2.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H297	<p>Bats: Low potential, holly and hawthorn, but gappy. Limited connectivity.  Hazel dormouse: sub-optimal, no key species or connection to core habitat.</p>	J2.2.1	
H298	<p>Bats: Low potential, intact but isolated from connecting habitat.  Hazel dormouse: sub-optimal, core species missing, isolated from core habitat.</p>	J2.3.1	


Hedgerow reference	Notes	JNCC Code	Photographs
H299	<p>Bats: Negligible potential, isolated group of trees with no potential roost features.  Hazel dormouse: sub-optimal, core species missing, isolated.</p>	J2.2.2	
H300	<p>Hawthorn, dogwood, willow, oak, field maple, fern, spindle tree, poplar. Dry ditch. Moderate suitability for commuting bats</p>	J2.3.1	



Hedgerow reference	Notes	JNCC Code	Photographs
H301	Well maintained hawthorn hedge with hazel. Low suitability for commuting bats	J2.1.2	

Hedgerow reference	Notes	JNCC Code	Photographs
H302	Hawthorn hedge with hazel and field maple. cocks foot and perennial rye grass. Low suitability for commuting bats.	J2.2.1	






Hedgerow reference	Notes	JNCC Code	Photographs
H303	Well maintained blackthorn hedge with mature oak. Low suitability for commuting bats	J2.3.2	
H304	Hawthorn hedge with occasional oak, blackthorn and dog rose, well maintained, blackthorn. Low suitability for commuting bats.	J2.3.2	

Hedgerow reference	Notes	JNCC Code	Photographs
			 A photograph showing a hedgerow on the left side of a plowed field. A large, leafy tree stands prominently in the hedgerow. The field is dark brown soil, and the sky is blue with some clouds.
H305	Field maple, hawthorn, hazel, ash and oak, with Bramble, nettle. Low suitability for commuting bats	J2.3.2	 A photograph showing a hedgerow on the left side of a plowed field. A person wearing a high-visibility vest is standing in the hedgerow. The field is light brown soil, and the sky is blue with some clouds.

Hedgerow reference	Notes	JNCC Code	Photographs
H306	Well maintained hawthorn hedge adjacent to maize game cover. Scattered semi mature oaks.	J2.2.1	
H307	Continuation of previous hedge though with farm track entrance. Largely defunct. Hazel, hedge rose, hawthorn and a dry ditch	J2.3.2	



Hedgerow reference	Notes	JNCC Code	Photographs
			
H308	Well maintained hawthorn hedge with field maple, spindle, elm. Limited to no understorey or ground coverage. Low suitability for commuting bats.	J2.1.2	

Hedgerow reference	Notes	JNCC Code	Photographs
H309	Oak, blackthorn, ivy. Well maintained roadside hedge. Low suitability for commuting bats.	J2.3.2	
H310	Species poor largely defunct hedgerow consisting mainly of hawthorn and dog rose infilled with bramble, nettle, broad leaf dock, daisy and a dry ditch	J2.2.2	





## Appendix D – Badger Survey Results (Confidential)

# REPORT

## **Appendix D - Badger Survey Results (Confidential)**

Client: North Falls Offshore Wind Ltd

Reference: PB9244-RHD-ZZ-XX-RP-Z-0085

Status: S0/P01.02

Date: 18 May 2022



HASKONINGDHV UK LTD.

2 Abbey Gardens  
Great College Street  
London  
SW1P 3NL  
Industry & Buildings  
VAT registration number: 792428892

+44 207 2222115 **T**  
info@uk.rhdhv.com **E**  
royalhaskoningdhv.com **W**

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Author(s): Charlotte Clements, Kitty Taylor, Claire Smith, Lewis Ashton

Drafted by: Charlotte Clements, Kitty Taylor

Checked by: Gordon Campbell

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Approved by: Gordon Campbell

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Classification

Confidential

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## Table of Contents

<b>1</b>	<b>Badger Results</b>	<b>1</b>
1.1	Desk study	1
1.2	Field Survey	1
<b>2</b>	<b>Recommendations</b>	<b>23</b>
<b>3</b>	<b>Figures</b>	<b>24</b>

## Table of Tables

Table 1.1 Summary of badger field signs recorded during the Extended Phase 1 Habitat Survey<sup>2</sup>

## 1 Badger Results

This appendix has been prepared to characterise the baseline environment of the onshore project area in respect to badger *Meles meles*, the findings of which will be used to inform and support the project's ecological impact assessment.

### 1.1 Desk study

Badgers have been recorded at 159 locations by the Essex Field Club within 2km of the onshore project area. There have been 162 different recordings throughout these locations and 57 of these coming within the last 10 years (since 2011). These sites include the A120 east of Horsley roundabout, Holland Road and Lawford Green.

### 1.2 Field Survey



A total of 10 active badger setts were recorded during the Extended Phase 1 Habitat Survey, with a further 18 disused setts also recorded. In addition, field signs such as snuffle holes and pathways were also recorded. These are summarised in **Table 1.1**. All field signs are also shown on **Figure 4a** to **Figure 4s**.






Table 1.1 Summary of badger field signs recorded during the Extended Phase 1 Habitat Survey

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS01	Outlier	Active	Active badger sett with three entrances recorded within an area of dense blackthorn scrub. Badger pathways between area and adjacent field.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS02	Outlier	Active	Badger sett (outlier) and rabbit hole within ditch banks.	
BFS03	Outlier	Disused	Tree line with fallen branches and dead wood. Drainage ditch 3m wide choked with vegetation. Possible historic badger sett that appears to now be used by rabbits.	



Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS04	Outlier	Disused	Possible badger sett (outlier).	
BFS05	Outlier	Active	Ditch approximately 4m and a water depth of 2cm. Badger sett (outlier) present along with discarded bedding. Bramble and nettle present.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS06	Outlier	Disused	One sett entrance in hedgeline with potential mammal pathway adjacent. Does not appear to be recently used.	
BFS07	Outlier	Disused	One or two potential sett entrances and a push-through recorded along the hedge as well as potentially snuffle holes. No other evidence of badger. However, deer also observed in and around hedge.	No photograph
BFS08	Outlier	Disused	Badger sett that looks to be mostly disused. Two sett entrances.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS09	-	-	Snuffle holes along field margin.	
BFS10	Annex	Active (occasional)	Sett with 11 entrances dug into embankment along line of woodland/scrub. No signs of fresh excavations or latrines so potentially annex sett used occasionally.	



Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS11	-	-	Snuffle holes.	
BFS12	Outlier	Disused	Badger sett with eight visible entrances in field boundary, leaf litter and debris in entrances, looks to have been disused for some time.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS13	Outlier	Disused	Disused badger sett entrance. No other field signs nearby.	
BFS14	Outlier	Active	Active sett, located in ditch bank. One active entrance, with runs nearby. Fresh latrine outside one entrance. Fresh spoil outside one entrance.	


Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS15	Outlier	Disused	Inactive, historic sett in bank of ditch, under hedgerow. Not used for two or more seasons. Six entrances.	



Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS16	Main	Disused	Inactive main sett with 12 entrances extending into woodland and out into adjacent field. Evidence of digging out of sett and dog footprints.	
BFS17	Outlier	Disused	Inactive sett, three entrances, locates in riverbank under alder hedge on field margin. holes filled with debris and no fresh spoil.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS18	Outlier	Active	Active sett, hair found on one entrance, three entrances observed with large mounds.	  



Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS19	-	-	Track leading into bramble scrub, badger hair found in bramble.	


Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS20	Outlier	Disused	Inactive sett, three entrances filled with debris.	
BFS21	Outlier	Disused	Inactive sett - but evidence of activity within recent years. Large spoil heap outside the front entrance. Three entrances.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS22	-	-	Approximately 30 snuffle holes under leylandii within woodland. Badger hairs present.	
BFS23	Main	Active	Active sett, five entrances, activity evident on at least one. Potentially more entrances hidden in undergrowth. Clear paths leading away to snuffle holes and into field. Sett may extend along tree line.	


Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
				
BFS24	Outlier	Disused	Inactive sett, evidence of historic spoil heap.	





Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS25	-	-	Badger path between fields.	 A photograph showing a narrow, overgrown path between two agricultural fields. The path is covered with tall grass and some fallen leaves. In the background, there are more fields and a line of trees under a cloudy sky.





Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS26	Outlier	Active	Active sett, one active entrance in low bank, very fresh spoil (within last 24 hours). Other disused entrances nearby. No hairs found.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS27	Outlier	Active	Active sett, three active entrances in arable field, fresh spoil observed. Dog tracks also present.	

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
				

Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS28	Outlier	Active	Active sett, one active entrance, hair found and claw marks. Minimal fresh spoil. Potentially other entrances further away from field.	 
BFS29	Outlier	Disused	Inactive sett, three inactive entrances.	 



Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS30	-	-	Badger path heading into field. Hairs found.	
BFS31	Annexe Sett	-	Multiple entrances along the wall of a deep depression within a woodland strip. Potentially only sporadically used, no sign of fresh bedding or excavation.	



Badger Field Sign	Sett category	Activity	Target Note (TN)	Photograph
BFS32	Outlier Sett	-	Sett with five entrances. Some leafy debris present so not in constant use, no pathways visible or other field signs to suggest a main sett.	

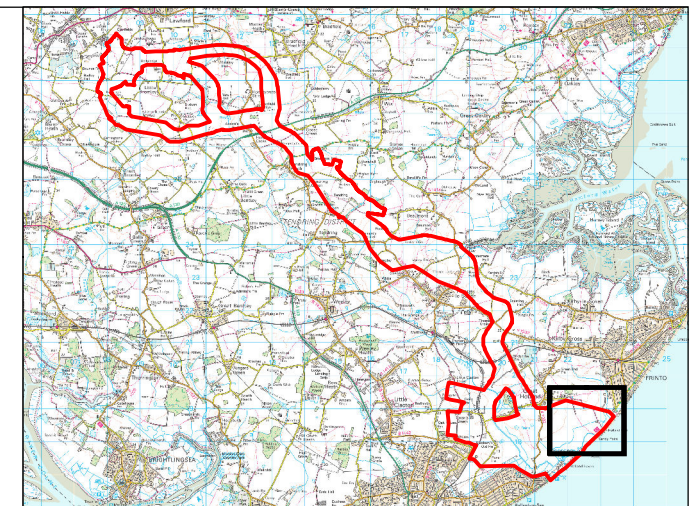
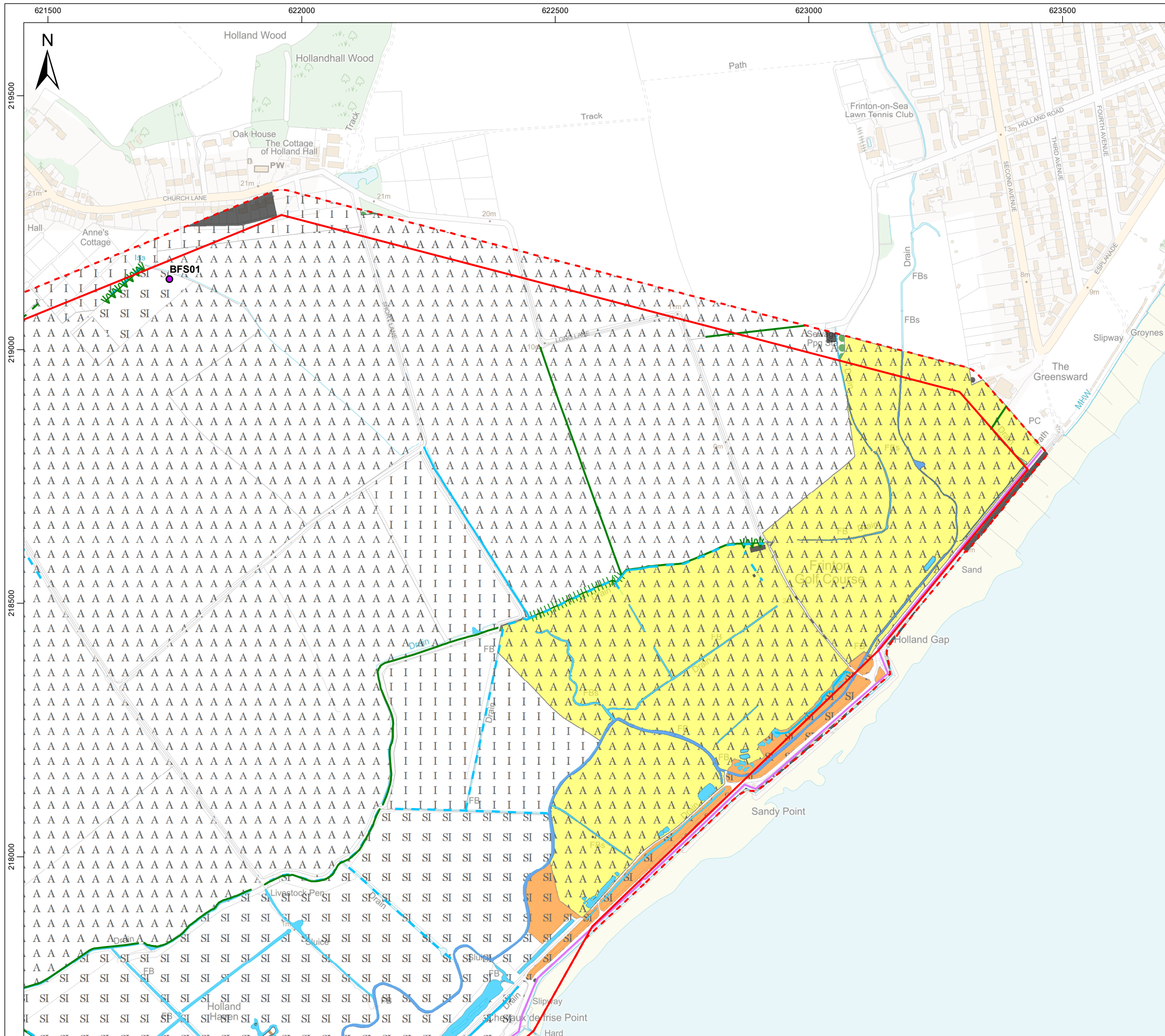
## 2 Recommendations

Until further details of the infrastructure are known, no further surveys are recommended in relation to badgers at this time. Depending on the proximity of the final infrastructure to the location of these setts, badger bait marking surveys may be required to identify the territory of the badgers found here. Given the potential degree of inter-annual change of badger territories, it is recommended that these surveys, if required, take place in the season preceding construction, in order to determine the potential effect of sett closures upon the setts found during the field survey.



### 3 Figures





**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Badger Field Signs
  - Main Sett
- Phase 1 Habitat Type
  - Standing Water
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Artificial Sea Wall
  - Scrub - Dense/Continuous
  - Broadleaved Parkland/Scattered Trees
  - Neutral Grassland - Semi-Improved
  - Improved Grassland
  - Poor Semi-Improved Grassland
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
- Running Water
- Boulders/Rocks above High Tide Mark
- Cultivated/Disturbed Land - Arable
- Cultivated/Disturbed Land - Amenity Grassland
- Buildings
- Bare Ground

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## Badger Survey Results

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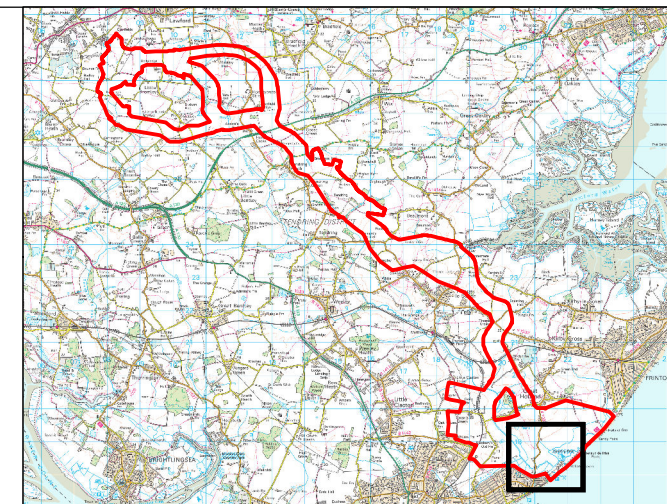
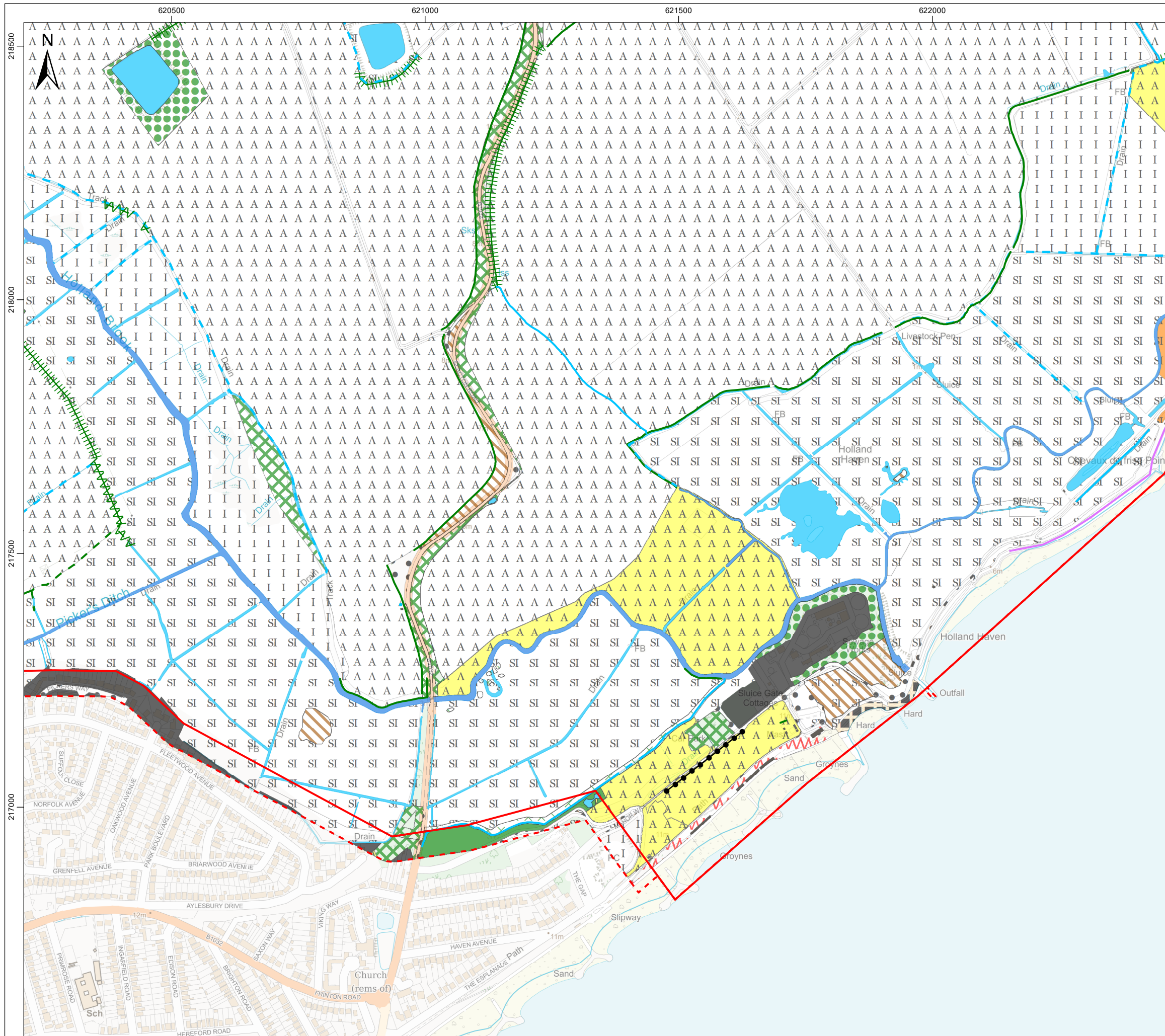
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Scale: 1:7,500	Plot Size: A3	Datum: OSGB36	Projection: BNG
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Standing Water
- Running Water
- Intact Hedge - Native Species-Rich
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Species-Poor
- Dry Ditch
- Earth Bank
- Artificial Sea Wall
- Broadleaved Woodland - Semi-Natural
- Scrub - Dense/Continuous
- Scrub - Scattered
- Broadleaved Parkland/Scattered Trees
- Neutral Grassland - Semi-Improved
- Improved Grassland
- Poor Semi-Improved Grassland
- Other Tall Herb and Fern - Ruderal
- Standing Water
- Running Water
- Boulders/Rocks above High Tide Mark
- Soft Cliff
- Cultivated/Disturbed Land - Arable
- Cultivated/Disturbed Land - Amenity Grassland
- Buildings
- Bare Ground

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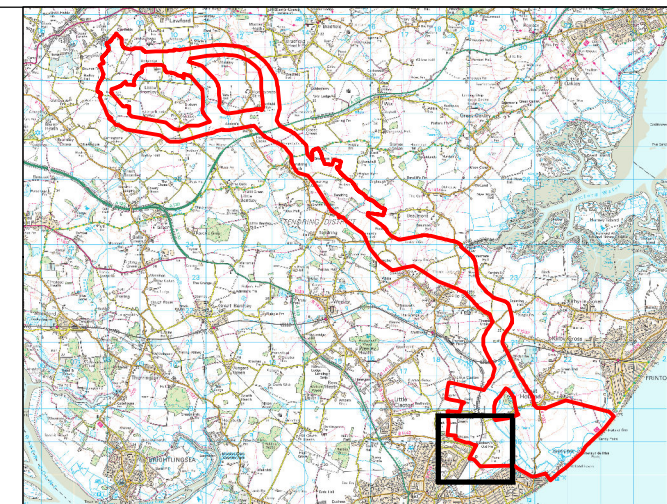
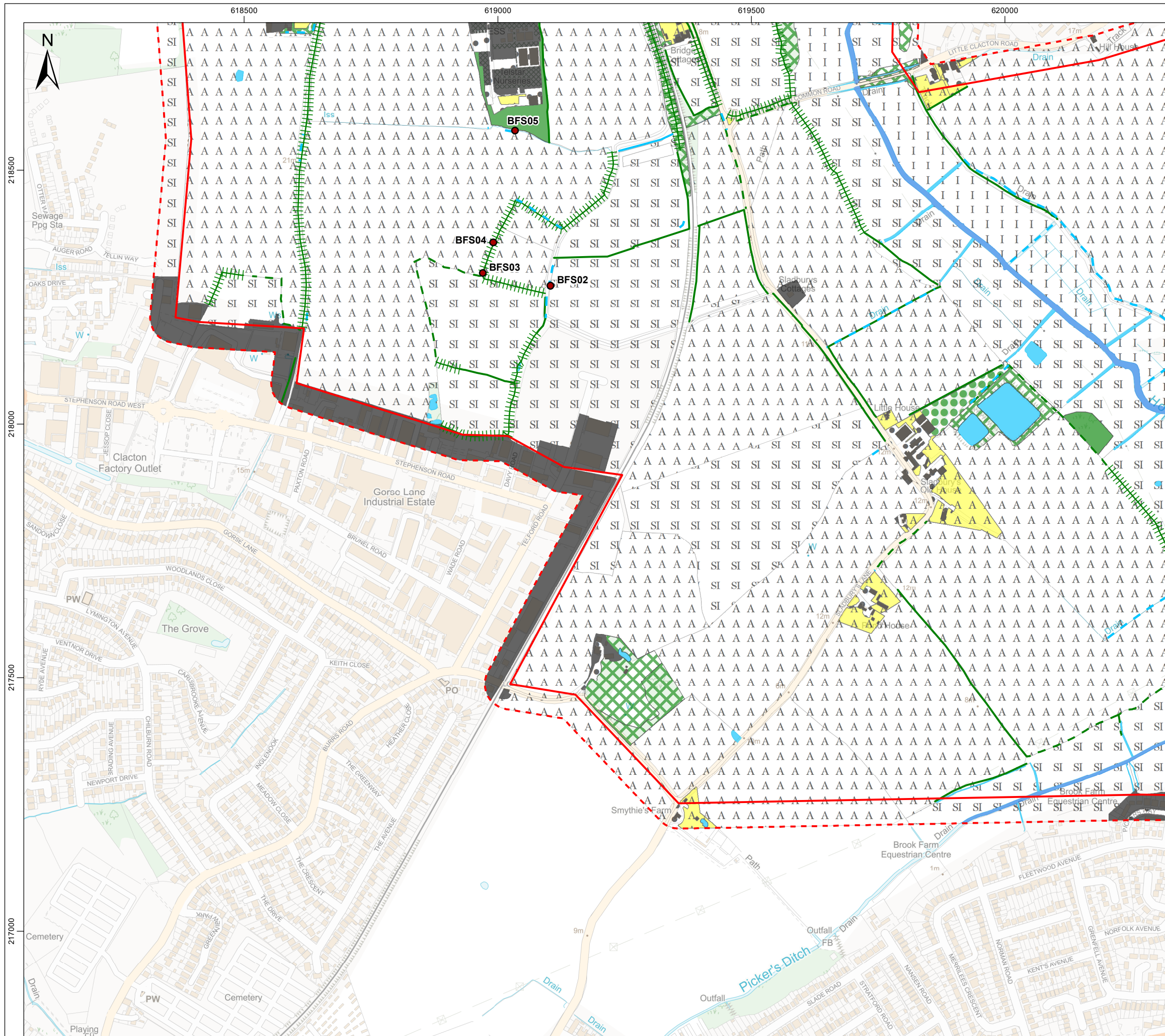
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Scale: 1:7,500	Plot Size: A3	Datum: OSGB36	Projection: BNG
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat
- Survey Buffer
- Buildings
- Bare Ground

**Badger Field Signs**

- Outlier Sett

**Phase 1 Habitat Type**

- Standing Water
- Intact Hedge - Species-Poor
- Defunct Hedge - Species-Poor
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Scrub - Dense/Continuous
- Broadleaved Parkland/Scattered Trees
- I Improved Grassland
- SI Poor Semi-Improved Grassland
- Standing Water
- Running Water
- A Cultivated/Disturbed Land - Arable
- A Cultivated/Disturbed Land - Amenity Grassland

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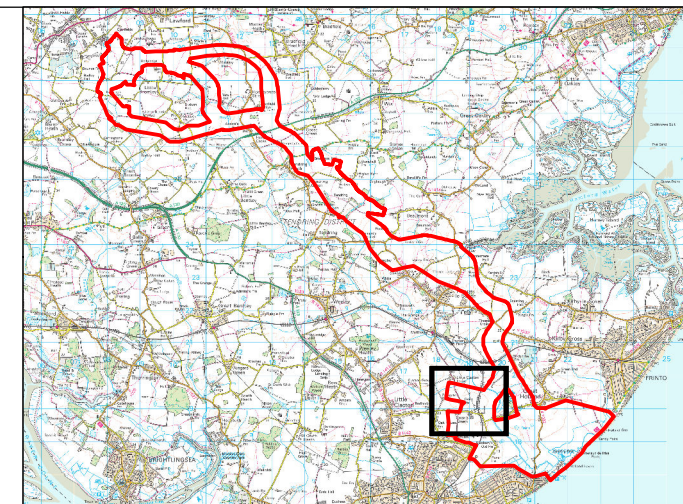
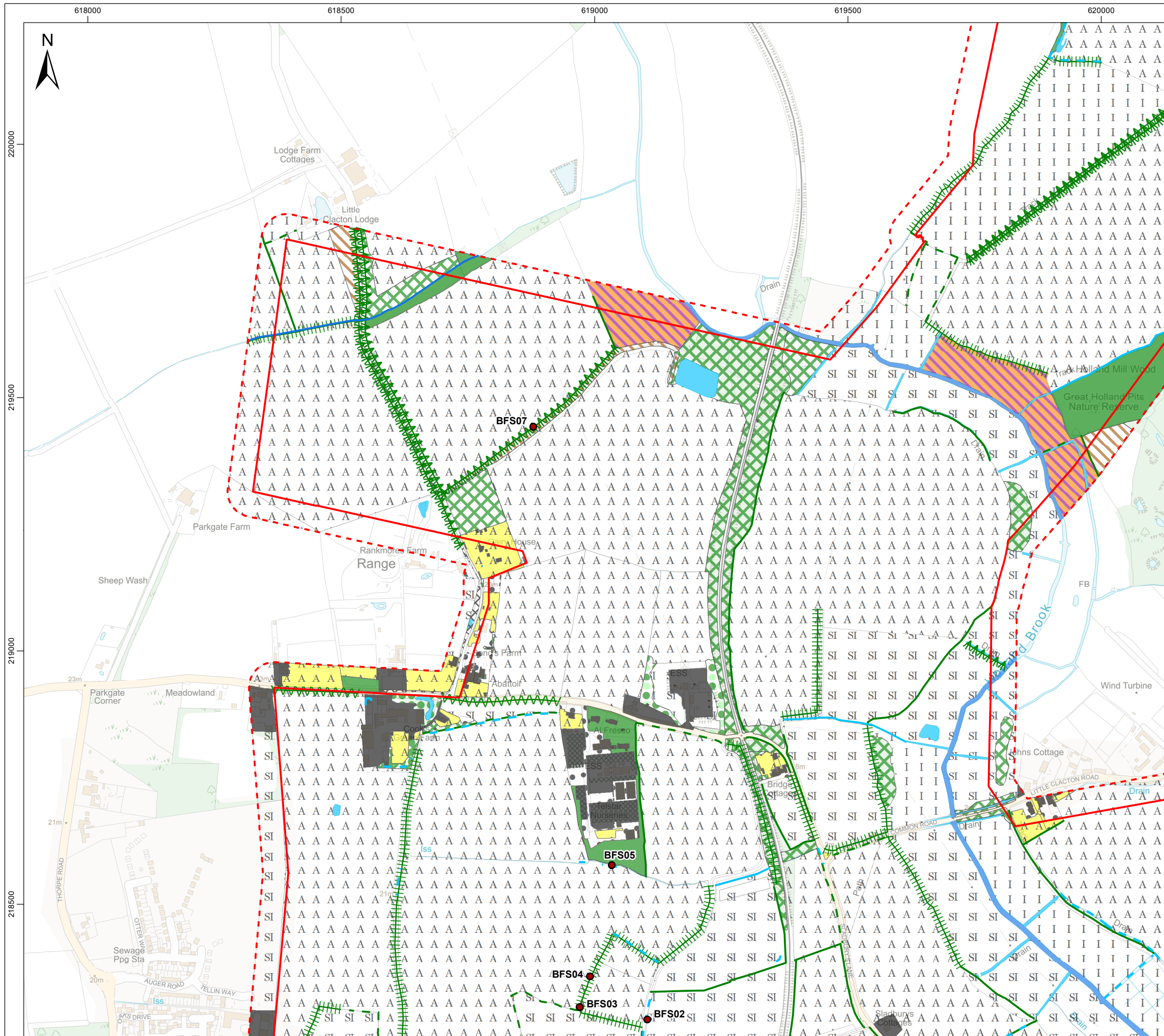
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Badger Field Signs
  - Outlier Sett
- Phase 1 Habitat Type
  - Standing Water
  - Running Water
  - Intact Hedge - Native Species-Rich
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Scrub - Dense/Continuous
  - Broadleaved Parkland/Scattered Trees
  - Mixed Parkland/Scattered Trees
  - Improved Grassland
  - Marsh/Marshy Grassland
  - Poor Semi-Improved Grassland
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
  - Running Water
  - Cultivated/Disturbed Land - Arable
  - Cultivated/Disturbed Land - Amenity Grassland
  - Caravan Site
  - Buildings
  - Bare Ground

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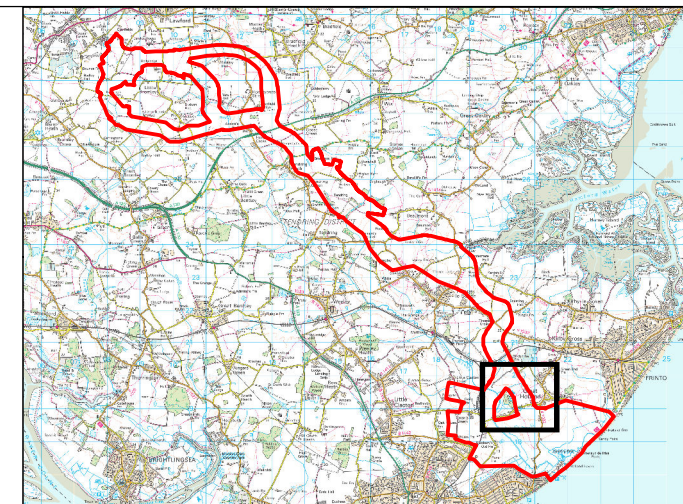
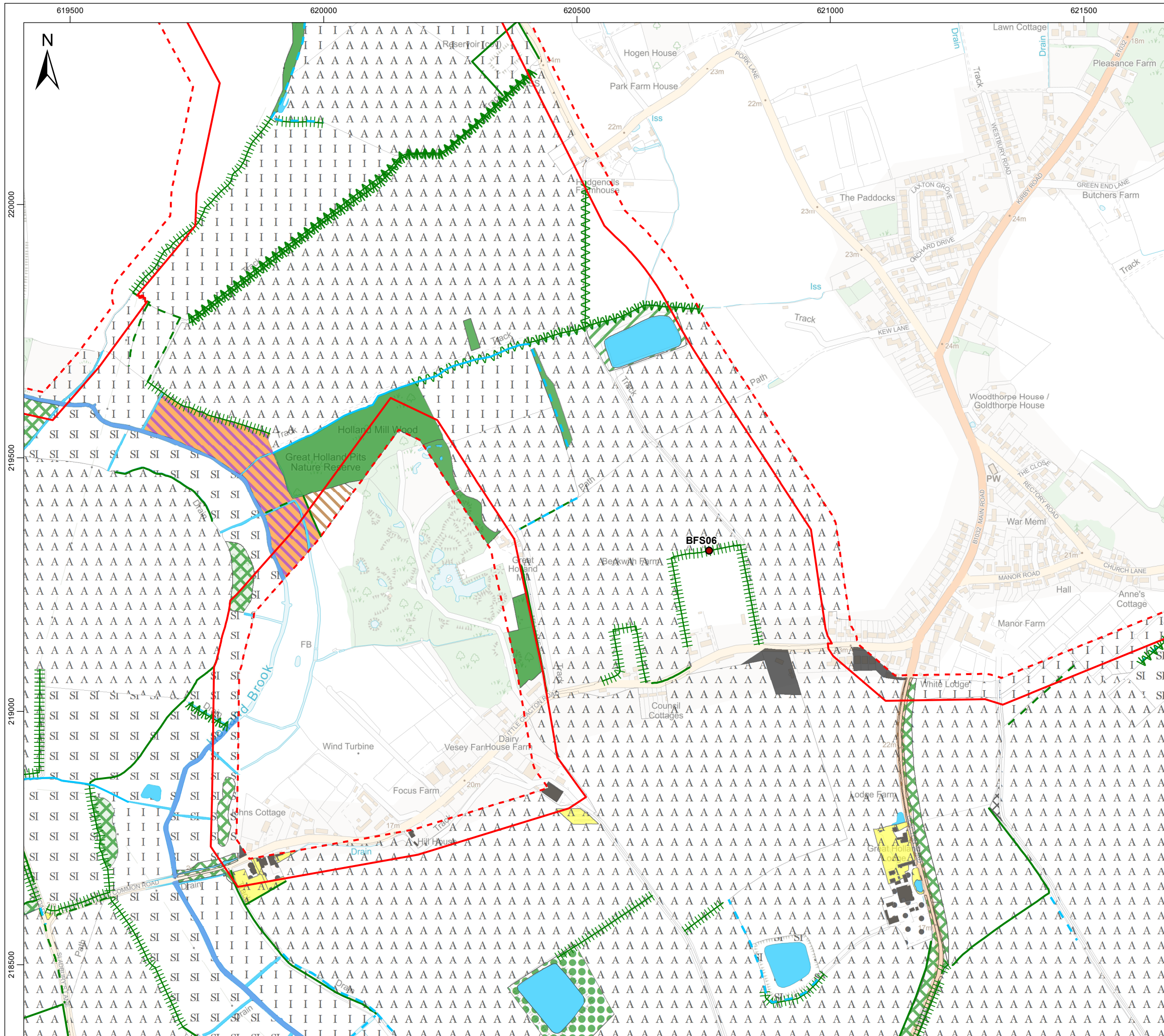
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Badger Field Signs
  - Outlier Sett
- Phase 1 Habitat Type
  - Standing Water
  - Intact Hedge - Native Species-Rich
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Native Species-Rich
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Broadleaved Woodland - Plantation
  - Scrub - Dense/Continuous
  - Broadleaved Parkland/Scattered Trees
  - Improved Grassland
  - Marsh/Marshy Grassland
  - Poor Semi-Improved Grassland
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
  - Running Water
  - Cultivated/Disturbed Land - Arable
  - Cultivated/Disturbed Land - Amenity Grassland
  - Caravan Site
  - Buildings
  - Bare Ground

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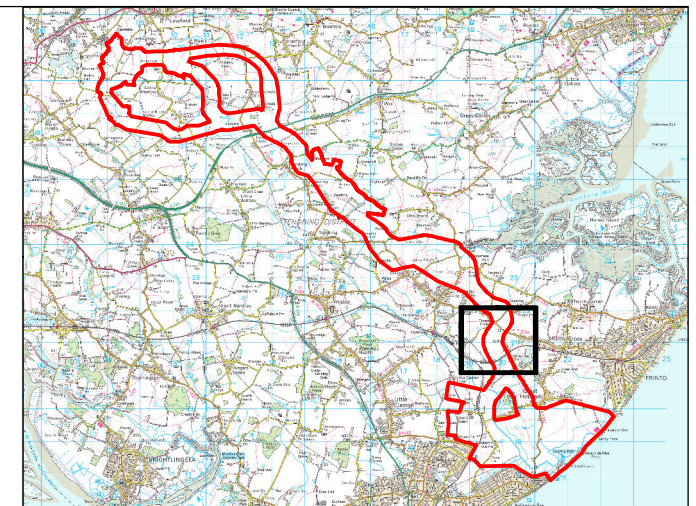
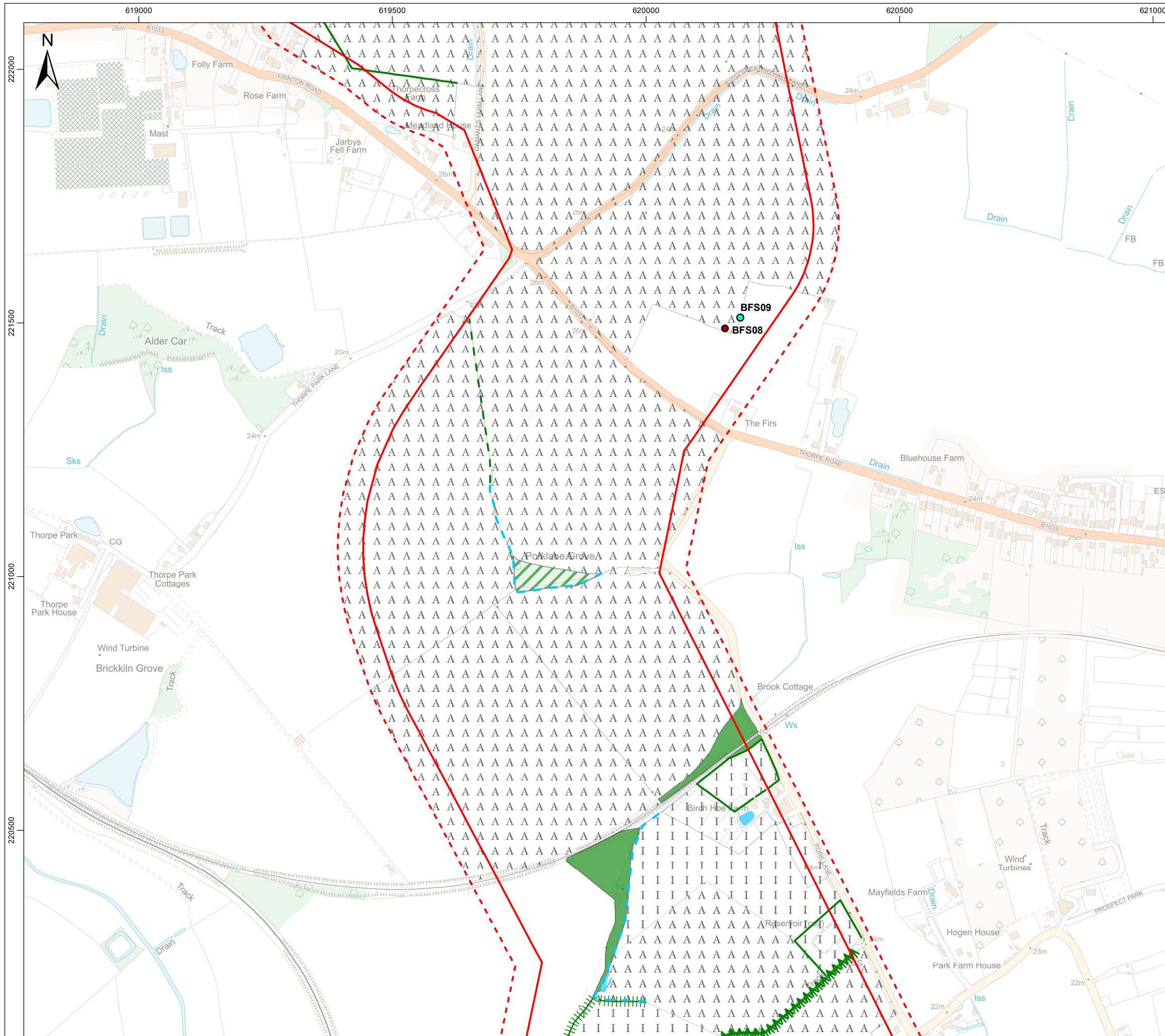
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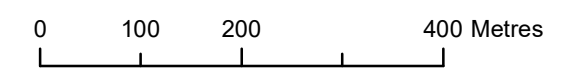
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat
- Survey Buffer
- Badger Field Signs**
- Outlier Sett
- Snuffle Holes
- Phase 1 Habitat Type**
- Intact Hedge - Species-Poor
- Defunct Hedge - Species-Poor
- Hedge with Trees - Native Species-Rich
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Broadleaved Woodland - Plantation
- Improved Grassland
- Standing Water
- Cultivated/Disturbed Land - Arable



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## Badger Survey Results

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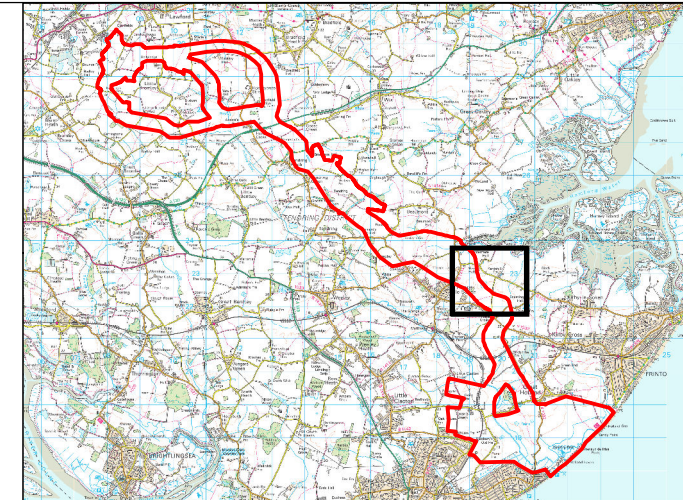
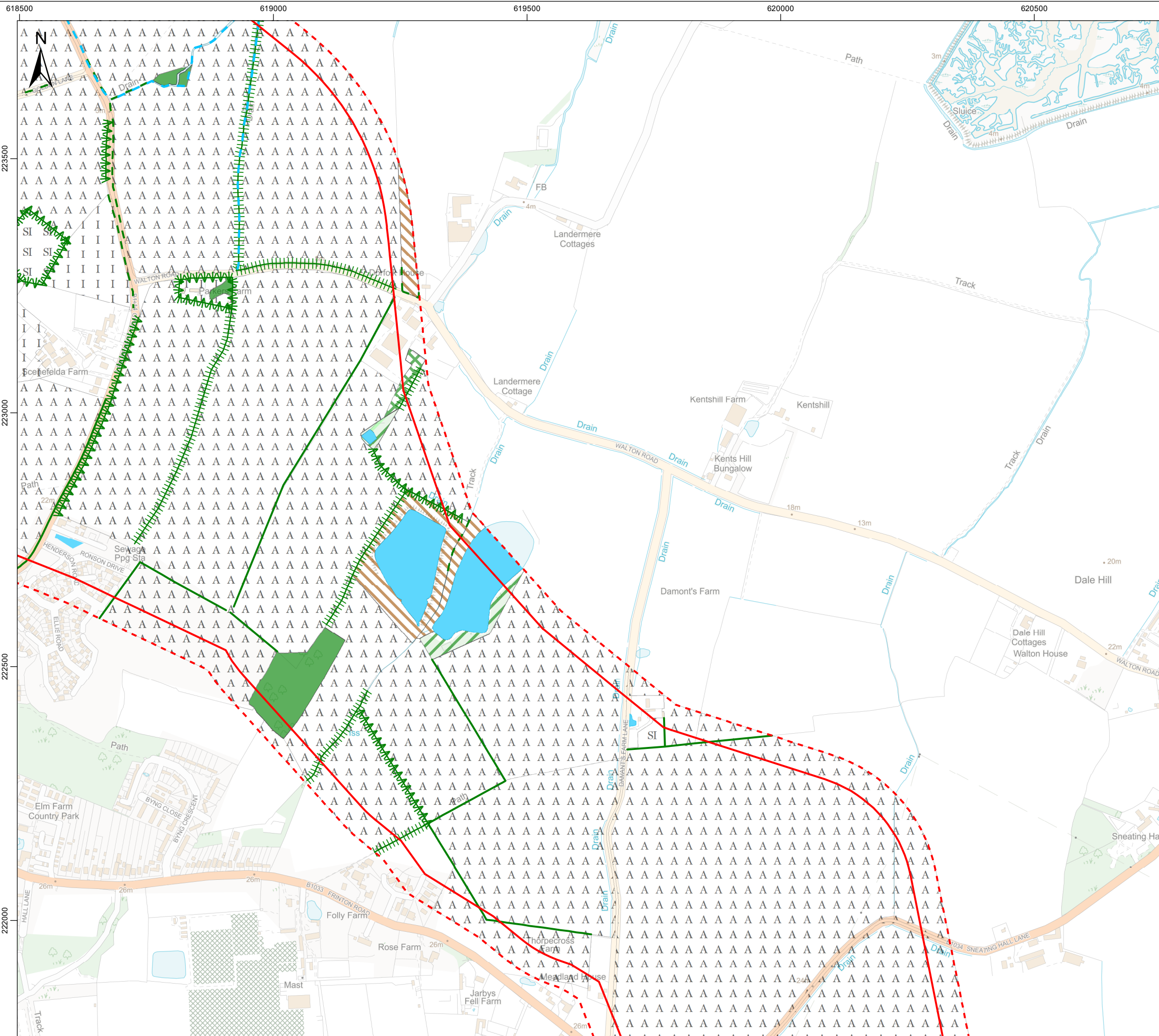
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Phase 1 Habitat Type**
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Broadleaved Woodland - Plantation
  - Mixed Woodland - Plantation
  - Scrub - Dense/Continuous
  - Improved Grassland
  - Poor Semi-Improved Grassland
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
  - Cultivated/Disturbed Land - Arable

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## Badger Survey Results

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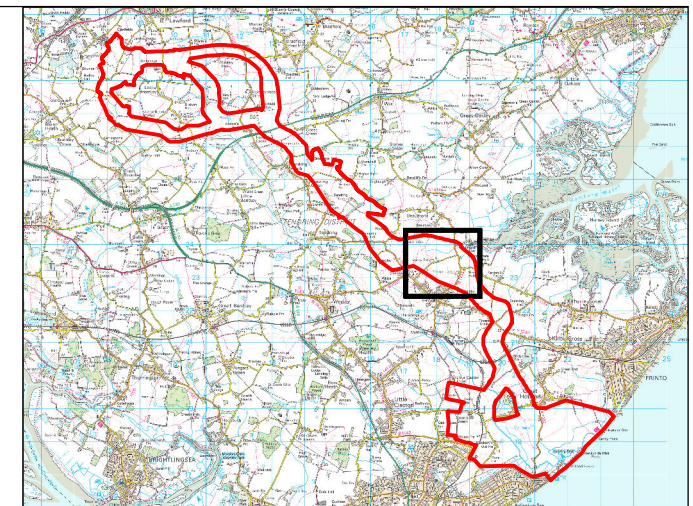
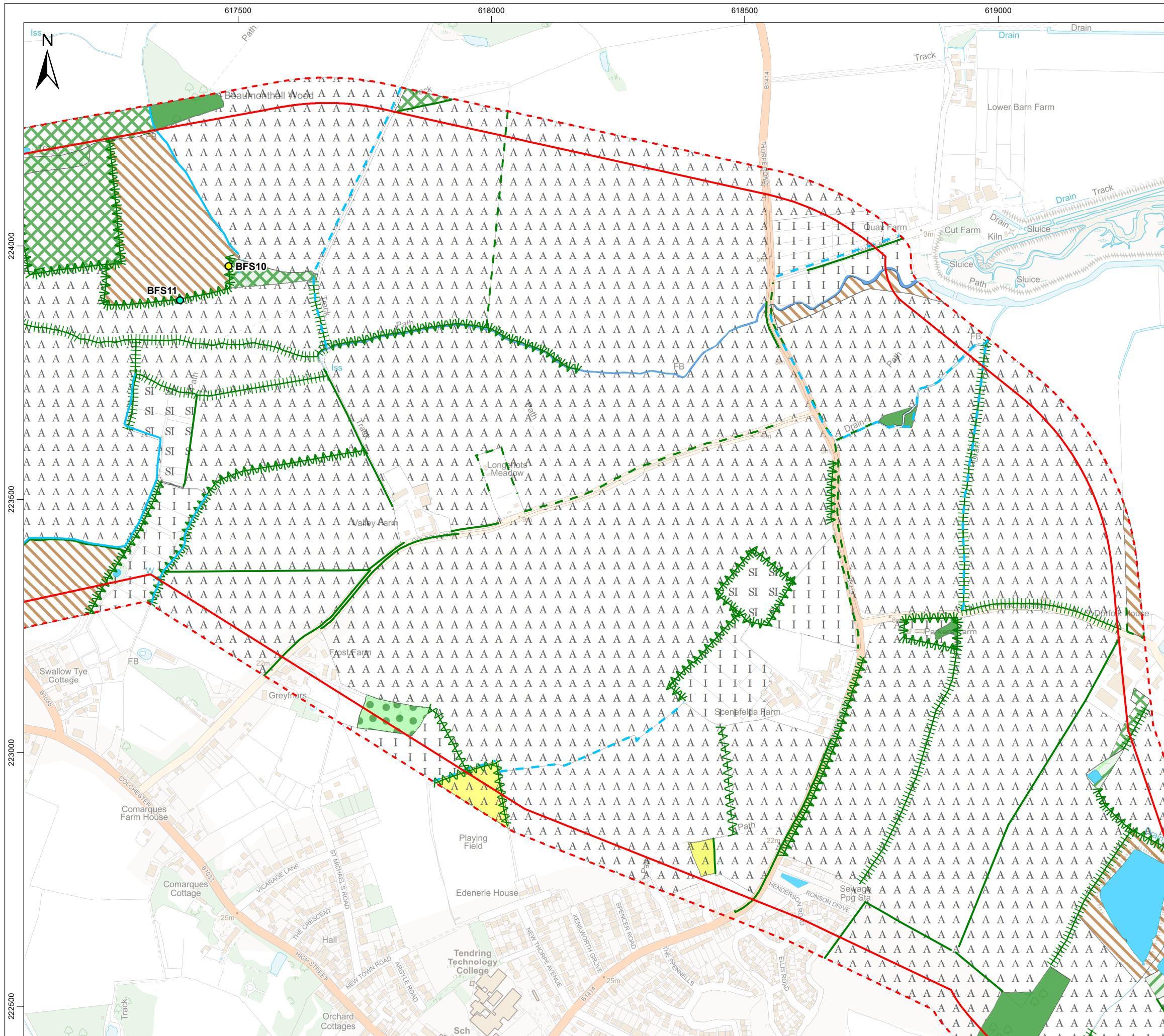
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Scrub - Dense/Continuous
- I Improved Grassland
- SI Poor Semi-Improved Grassland
- Cultivated/Disturbed Land - Amenity Grassland
- Cultivated/Disturbed Land - Arable

**Badger Field Signs**

- Annexe Settle
- Snuffle Holes
- Other Tall Herb and Fern - Ruderal
- Standing Water
- Running Water

**Phase 1 Habitat Type**

- Standing Water
- Running Water
- Intact Hedge - Native Species-Rich
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Native Species-Rich
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Broadleaved Woodland - Plantation
- Mixed Woodland - Semi-Natural
- Mixed Woodland - Plantation

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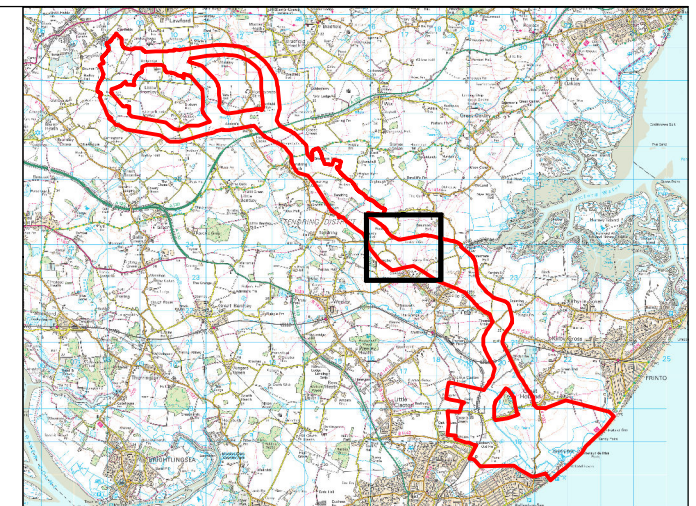
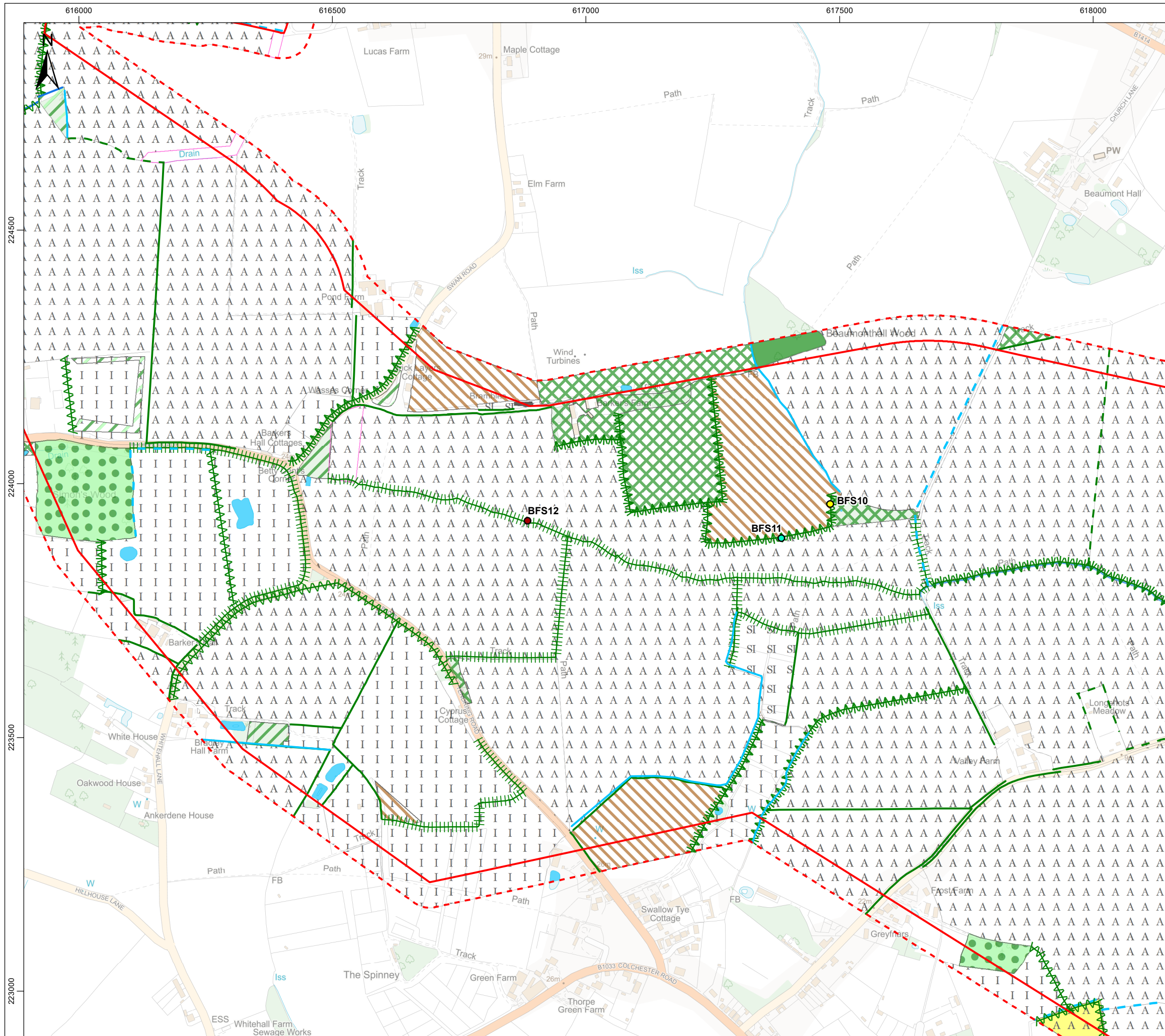
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat
- Survey Buffer

**Badger Field Signs**

- Annexe Sett
- Outlier Sett
- Snuffle Holes

**Phase 1 Habitat Type**

- Standing Water
- Running Water
- Intact Hedge - Native Species-Rich
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Native Species-Rich
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Broadleaved Woodland - Plantation

- Mixed Woodland - Semi-Natural
- Mixed Woodland - Plantation
- Scrub - Dense/Continuous
- Arable Field Margin
- Improved Grassland
- Poor Semi-Improved Grassland
- Other Tall Herb and Fern - Ruderal
- Standing Water
- Running Water
- Cultivated/Disturbed Land - Arable
- Cultivated/Disturbed Land - Amenity Grassland
- Buildings

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## Badger Survey Results

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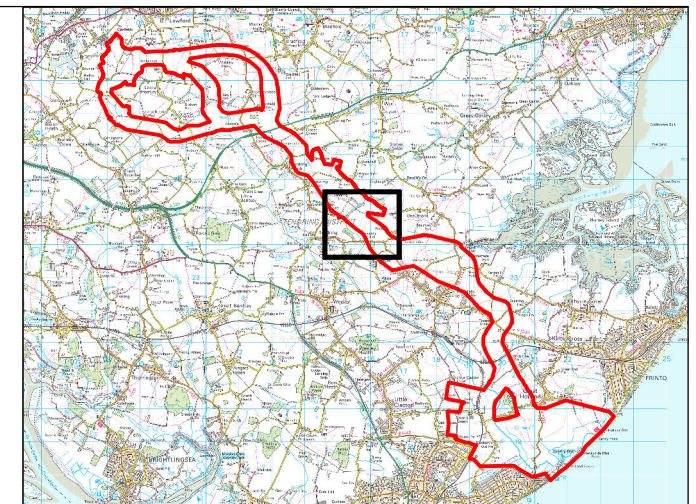
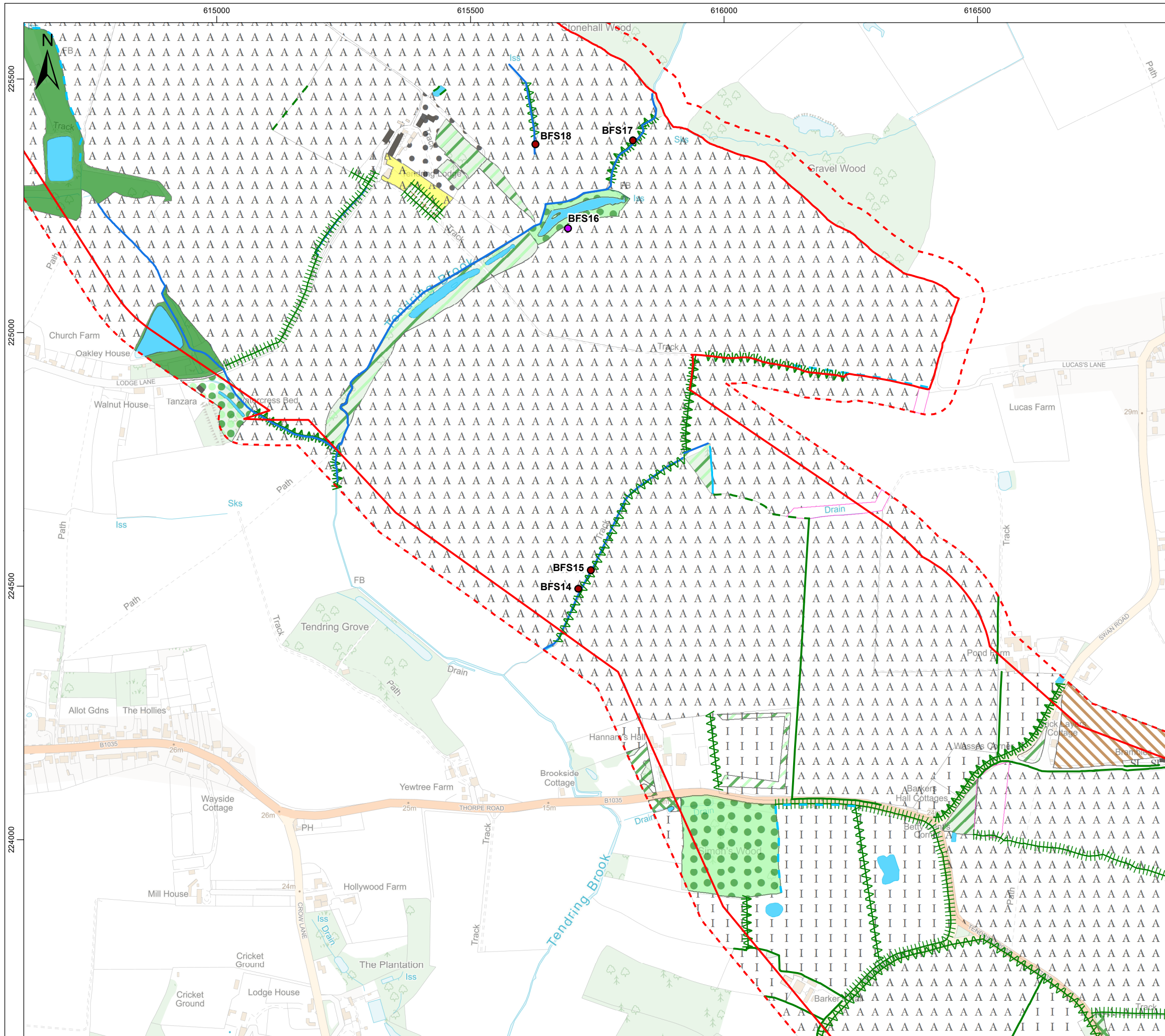
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Scale	Plot Size	Datum	Projection
1:7,500	A3	OSGB36	BNG







**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Badger Field Signs**
  - Main Sett
  - Outlier Sett
- Phase 1 Habitat Type**
  - Standing Water
  - Running Water
  - Intact Hedge - Native Species-Rich
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Native Species-Rich
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Broadleaved Woodland - Plantation
  - Mixed Woodland - Semi-Natural
  - Mixed Woodland - Plantation
  - Scrub - Dense/Continuous
  - Mixed Parkland/Scattered Trees
  - Arable Field Margin
  - Improved Grassland
  - Poor Semi-Improved Grassland
  - Bracken - Scattered
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
  - Running Water
  - Cultivated/Disturbed Land - Arable
  - Cultivated/Disturbed Land - Amenity Grassland
  - Buildings
  - Bare Ground

0 100 200 400 Metres

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Drawing Title

## Badger Survey Results

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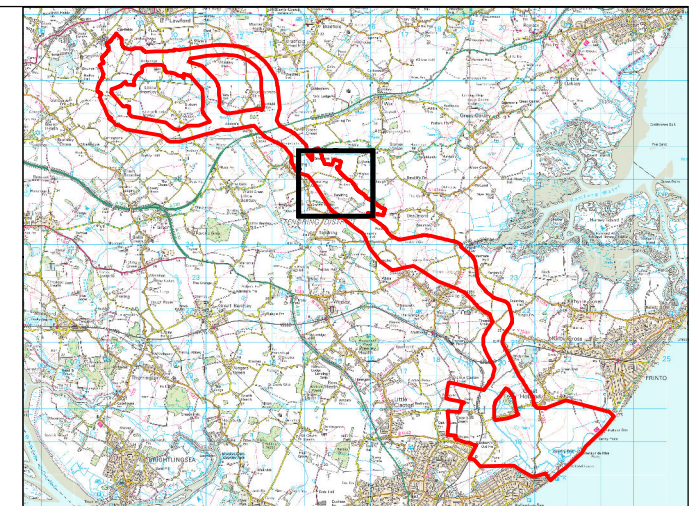
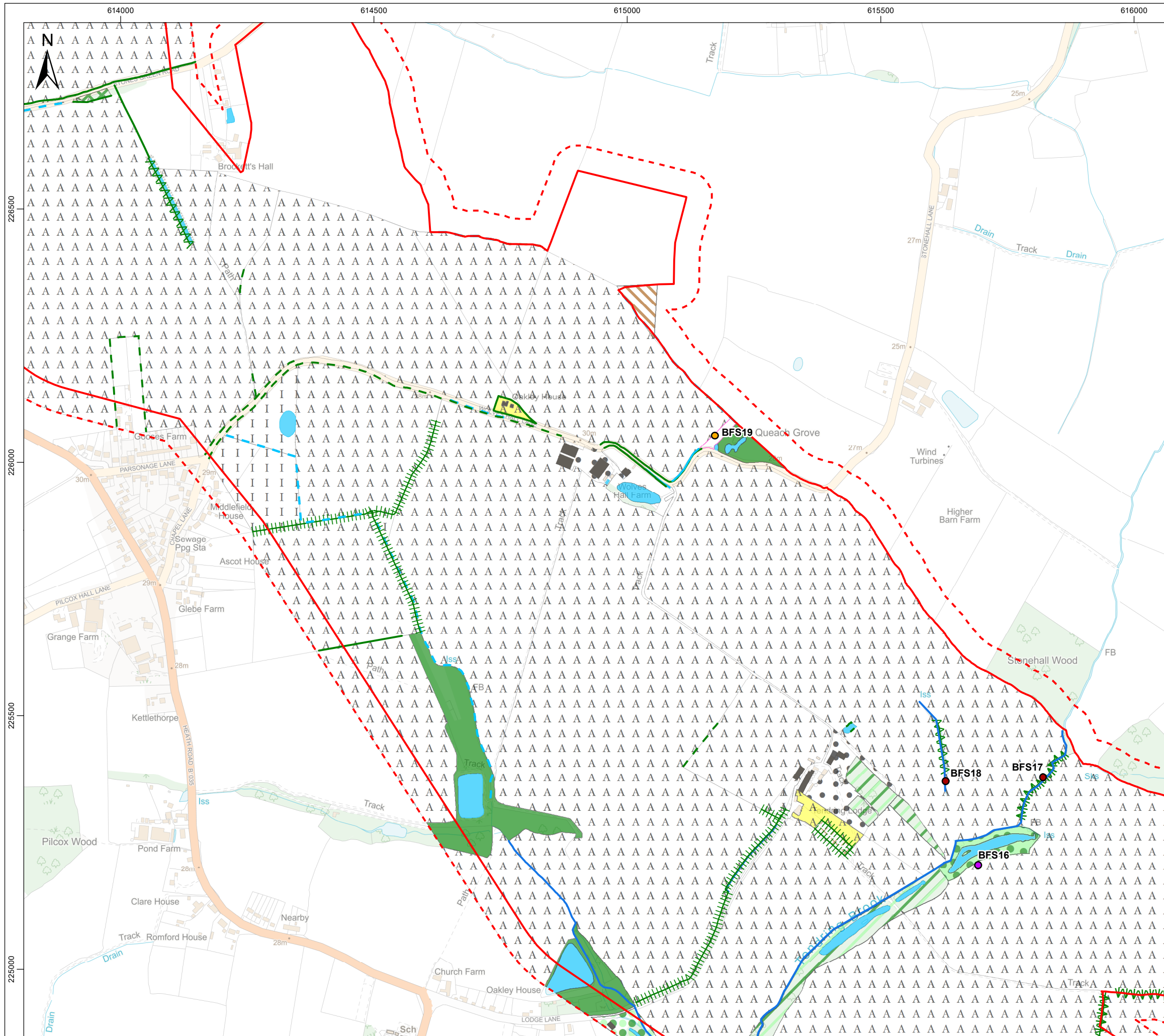
Rev	Date	Remarks	Drwn	Chkd
02	29/04/2022	Second issue	FC	GC
01	19/11/2021	First issue	FC	CC

Drawing Number	Figure Number
<b>PB9244-RHD-ZZ-ON-DR-GS-0106</b>	<b>4j</b>

Scale	Plot Size	Datum	Projection
1:7,500	A3	OSGB36	BNG







**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Badger Field Signs
  - Main Sett
  - Outlier Sett
  - Tracks
- Phase 1 Habitat Type
  - Standing Water
  - Running Water
  - Intact Hedge - Native Species-Rich
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Mixed Woodland - Semi-Natural
  - Mixed Woodland - Plantation
  - Scrub - Dense/Continuous
  - Mixed Parkland/Scattered Trees
  - Arable Field Margin
  - Improved Grassland
  - Bracken - Scattered
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
  - Running Water
  - Cultivated/Disturbed Land - Arable
  - Cultivated/Disturbed Land - Amenity Grassland
  - Buildings
  - Bare Ground
  - Other Habitat

0 100 200 400 Metres

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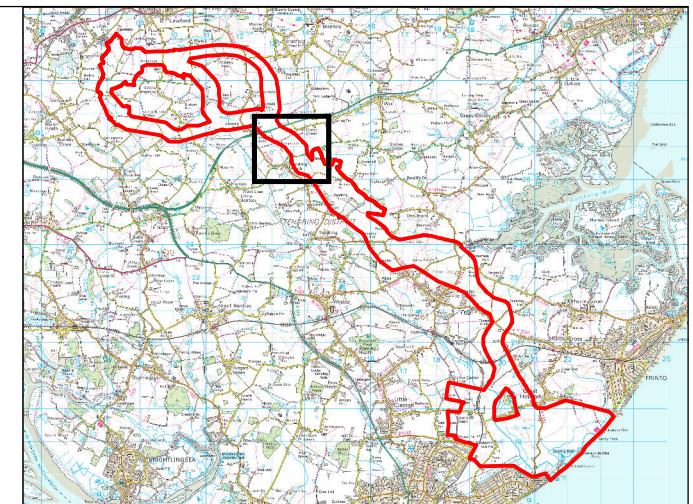
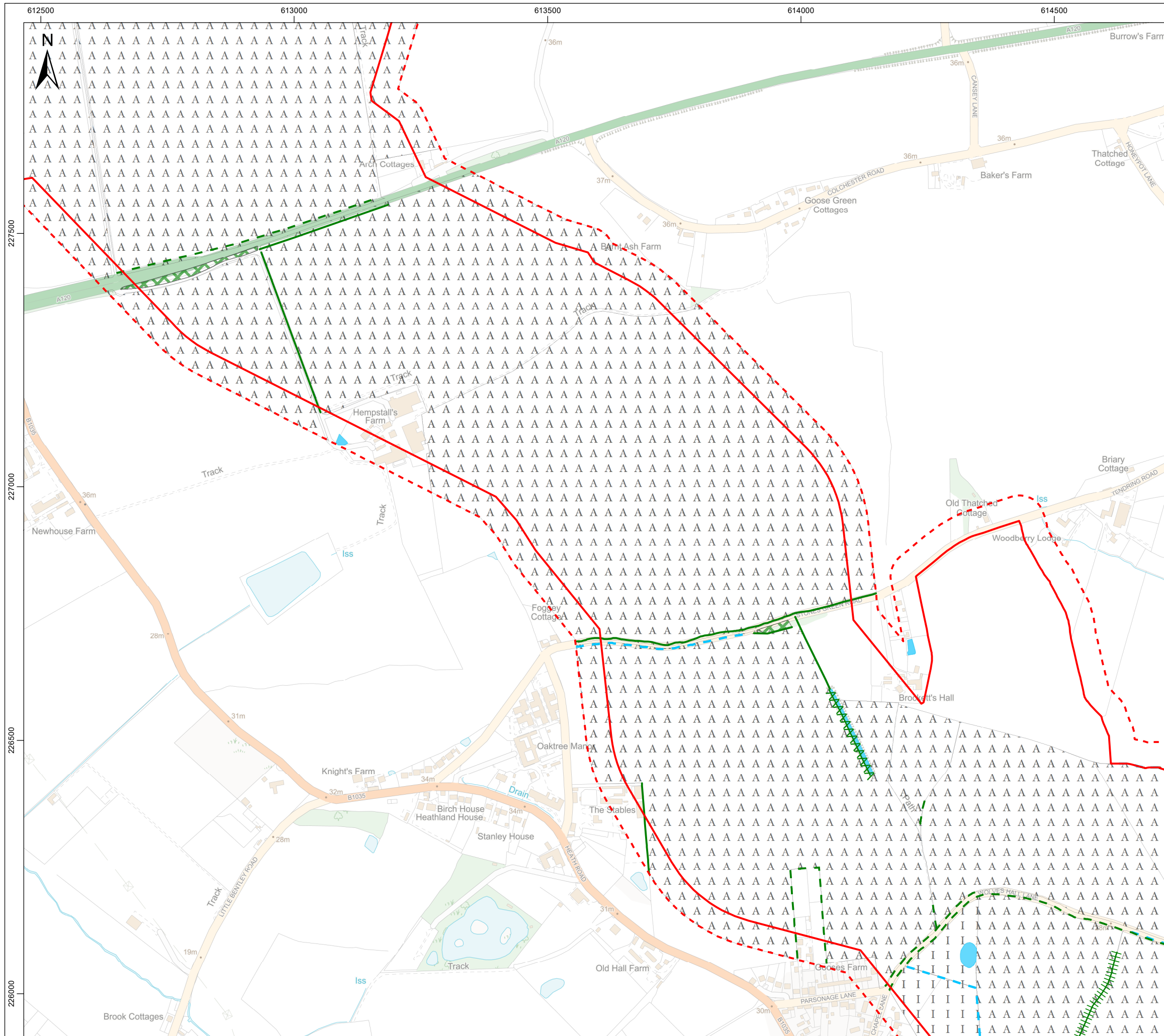
## Badger Survey Results

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01	19/11/2021	First issue	FC	CC

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<b>PB9244-RHD-ZZ-ON-DR-GS-0106</b>		<b>4k</b>	
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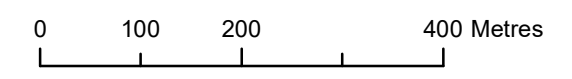


**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer

**Phase 1 Habitat Type**

- Intact Hedge - Native Species-Rich
- Intact Hedge - Species-Poor
- Defunct Hedge - Species-Poor
- Hedge with Trees - Species-Poor
- Dry Ditch
- Scrub - Dense/Continuous
- Improved Grassland
- Standing Water
- Cultivated/Disturbed Land - Arable



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Drawing Title

## Badger Survey Results

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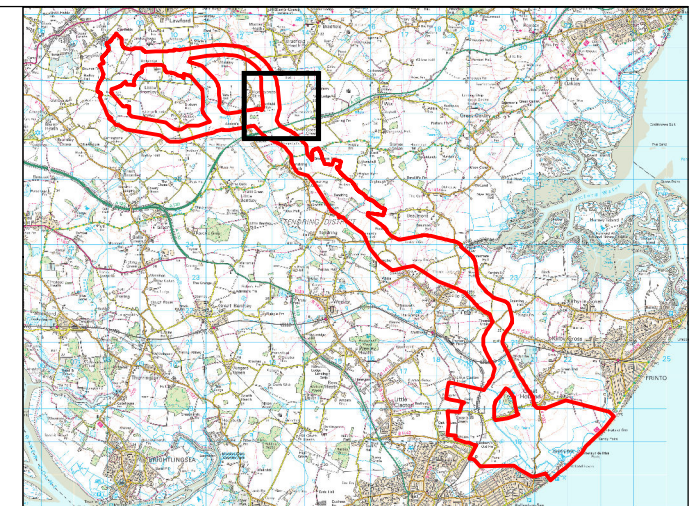
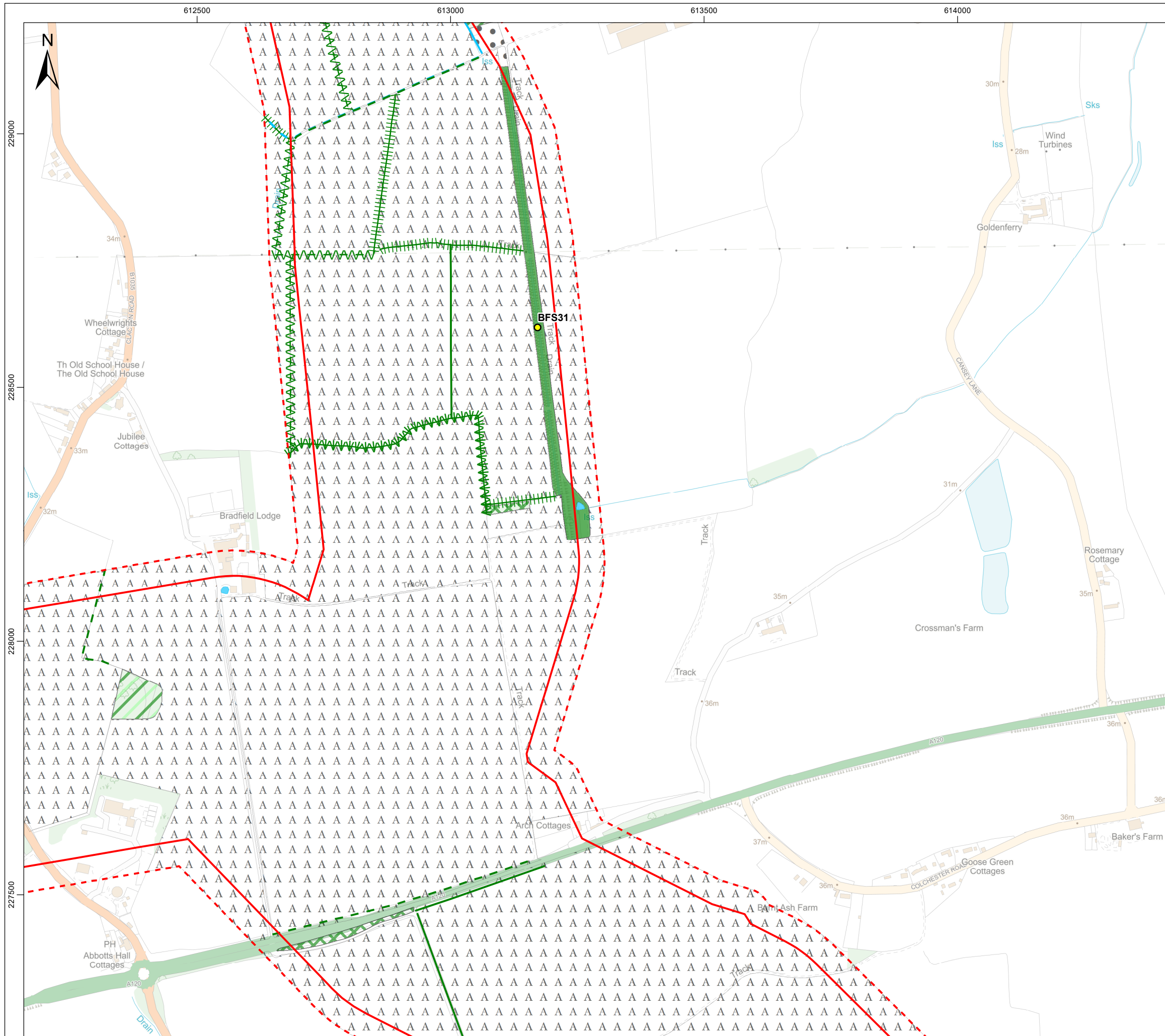
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01	19/11/2021	First issue	FC	CC

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Scale 1:7,500	Plot Size A3	Datum OSGB36	Projection BNG
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat
- Survey Buffer
- Bare Ground

**Badger Field Signs**

- Annexe Sett

**Phase 1 Habitat Type**

- Standing Water
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Native Species-Rich
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Broadleaved Woodland - Plantation
- Mixed Woodland - Plantation
- Scrub - Dense/Continuous
- Standing Water
- Cultivated/Disturbed Land - Arable

0 100 200 400 Metres

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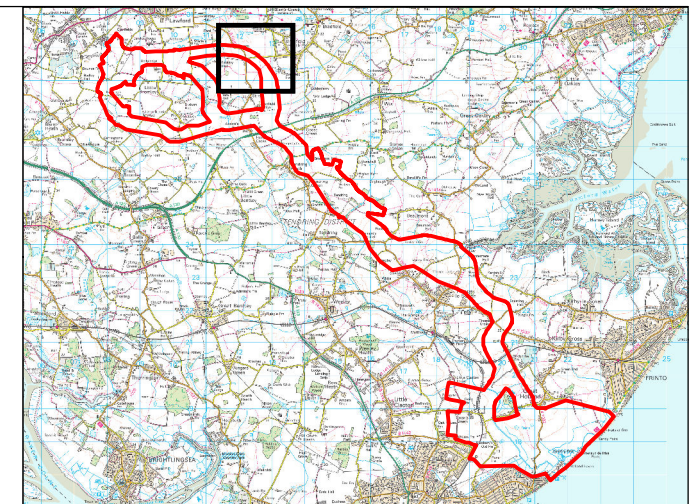
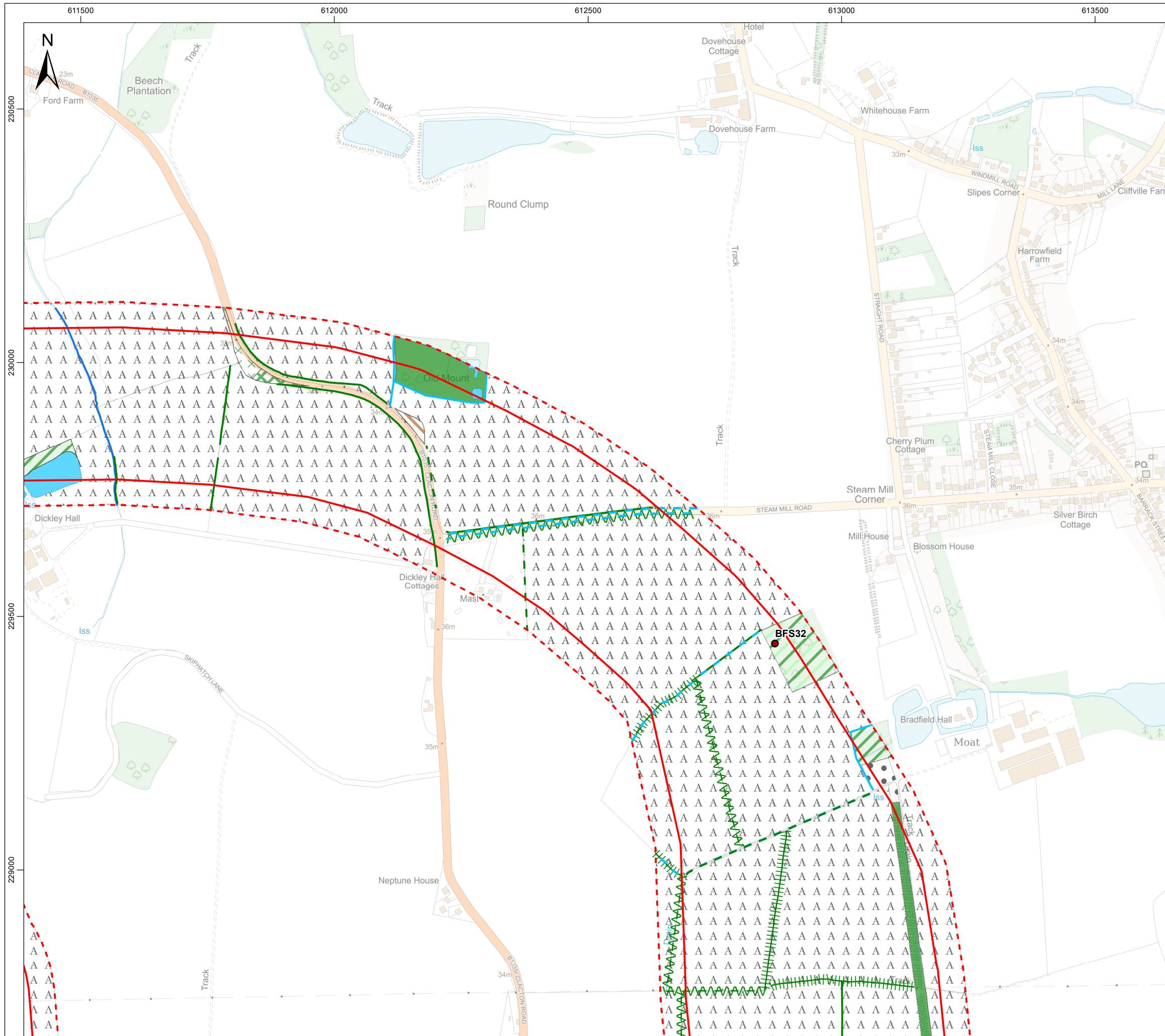
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## Badger Survey Results CONFIDENTIAL

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01	19/11/2021	First issue	FC	CC

Drawing Number <b>PB9244-RHD-ZZ-ON-DR-GS-0106</b>	Figure Number <b>4m</b>		
Scale 1:7,500	Plot Size A3	Datum OSGB36	Projection BNG





**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Outlier Sett
- Phase 1 Habitat Type
  - Standing Water
  - Running Water
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Native Species-Rich
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Broadleaved Woodland - Plantation
  - Mixed Woodland - Plantation
  - Scrub - Dense/Continuous
  - Scrub - Scattered
  - Other Tall Herb and Fern - Ruderal
  - Standing Water
- Cultivated/Disturbed Land - Arable
- Bare Ground

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## Badger Survey Results

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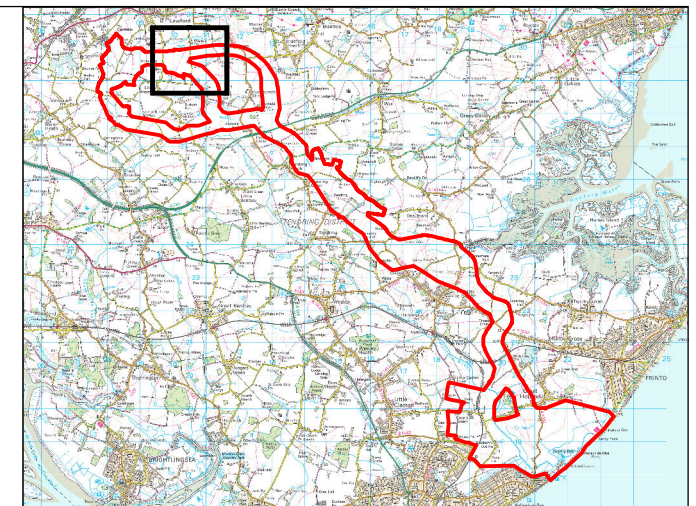
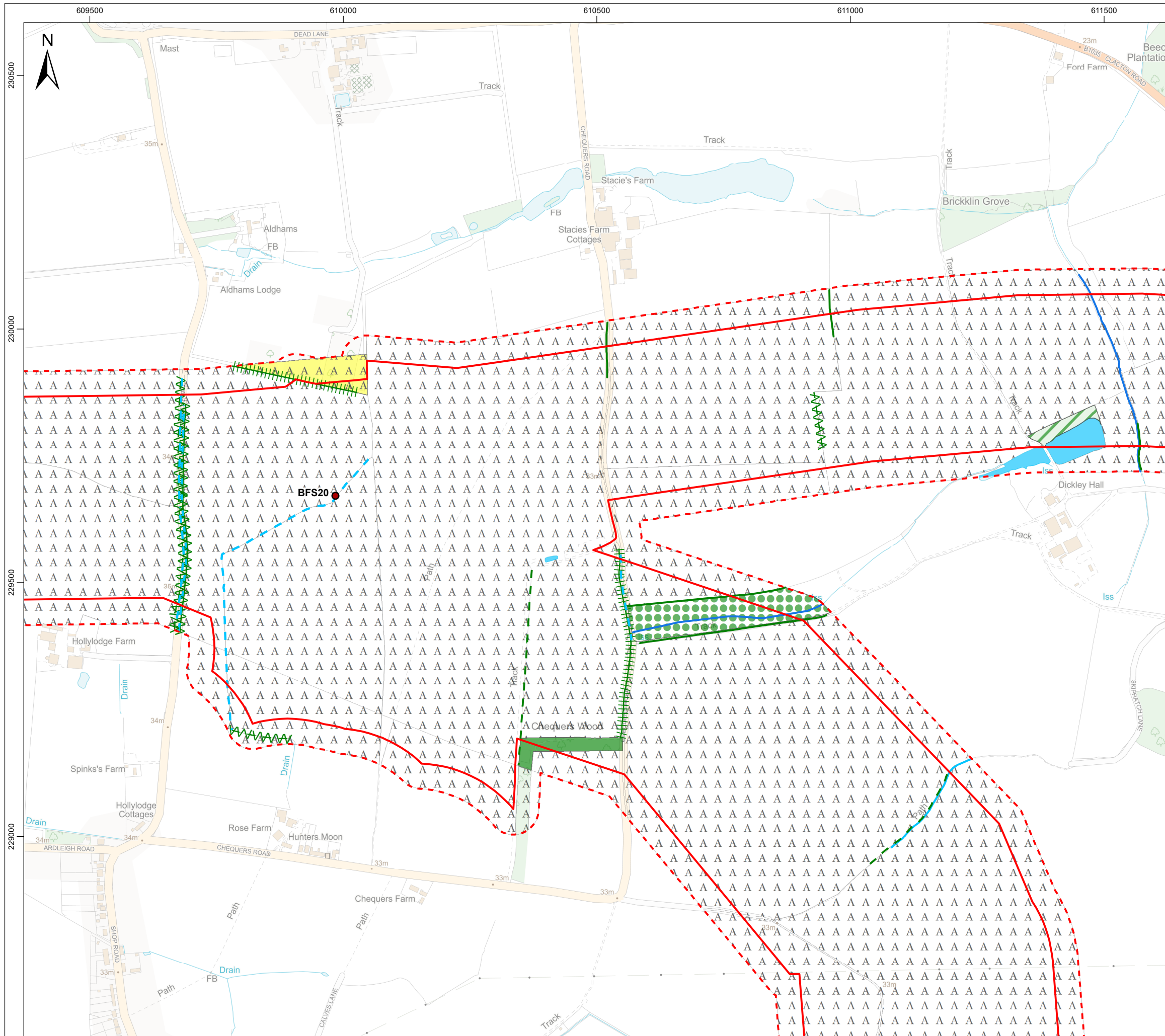
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Scale: 1:7,500	Plot Size: A3	Datum: OSGB36	Projection: BNG
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Cultivated/Disturbed Land - Amenity Grassland
- Cultivated/Disturbed Land - Arable

**Badger Field Signs**

- Outlier Sett

**Phase 1 Habitat Type**

- Standing Water
- Running Water
- Intact Hedge - Native Species-Rich
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Broadleaved Woodland - Plantation
- Broadleaved Parkland/Scattered Trees
- Standing Water
- Cultivated/Disturbed Land - Arable

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## Badger Survey Results

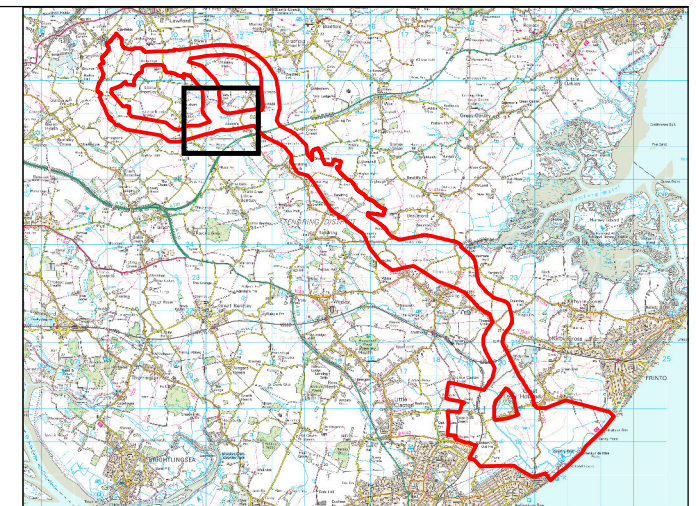
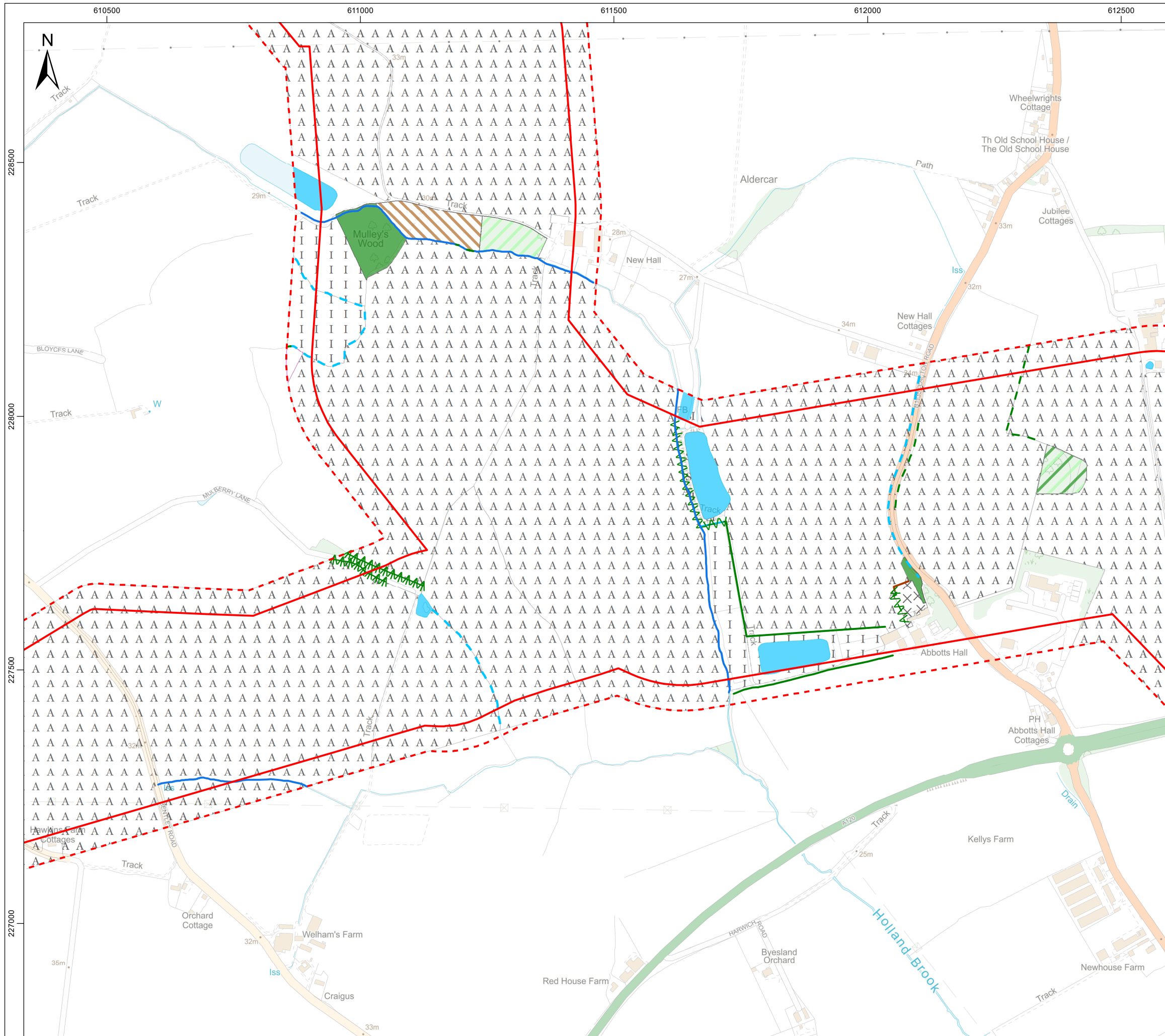
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01	19/11/2021	First issue	FC	CC

Drawing Number: **PB9244-RHD-ZZ-ON-DR-GS-0106**      Figure Number: **40**

Scale: 1:7,500	Plot Size: A3	Datum: OSGB36	Projection: BNG
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Phase 1 Habitat Type
  - Standing Water
  - Running Water
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Native Species-Rich
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Wall
  - Dry Ditch
  - Broadleaved Woodland - Semi-Natural
  - Coniferous Woodland - Plantation
  - Mixed Woodland - Plantation
  - Arable Field Margin
  - Improved Grassland
  - Poor Semi-Improved Grassland
  - Other Tall Herb and Fern - Ruderal
- Standing Water
- Cultivated/Disturbed Land - Arable
- Cultivated/Disturbed Land - Ephemeral/Short Perennial

0 100 200 400 Metres

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Drawing Title

## Badger Survey Results

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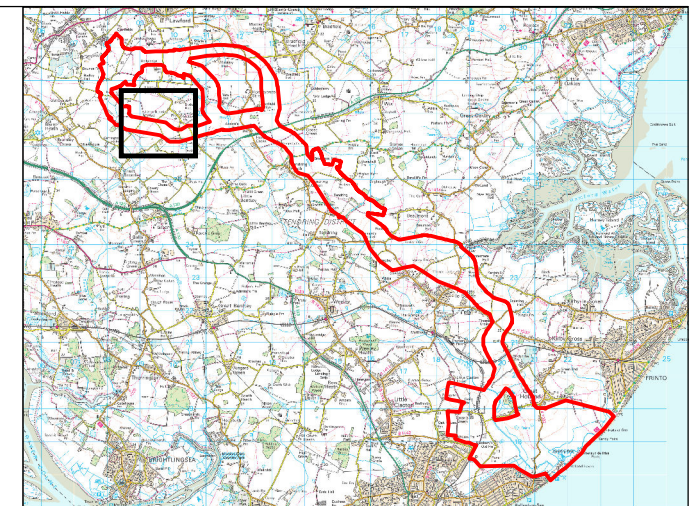
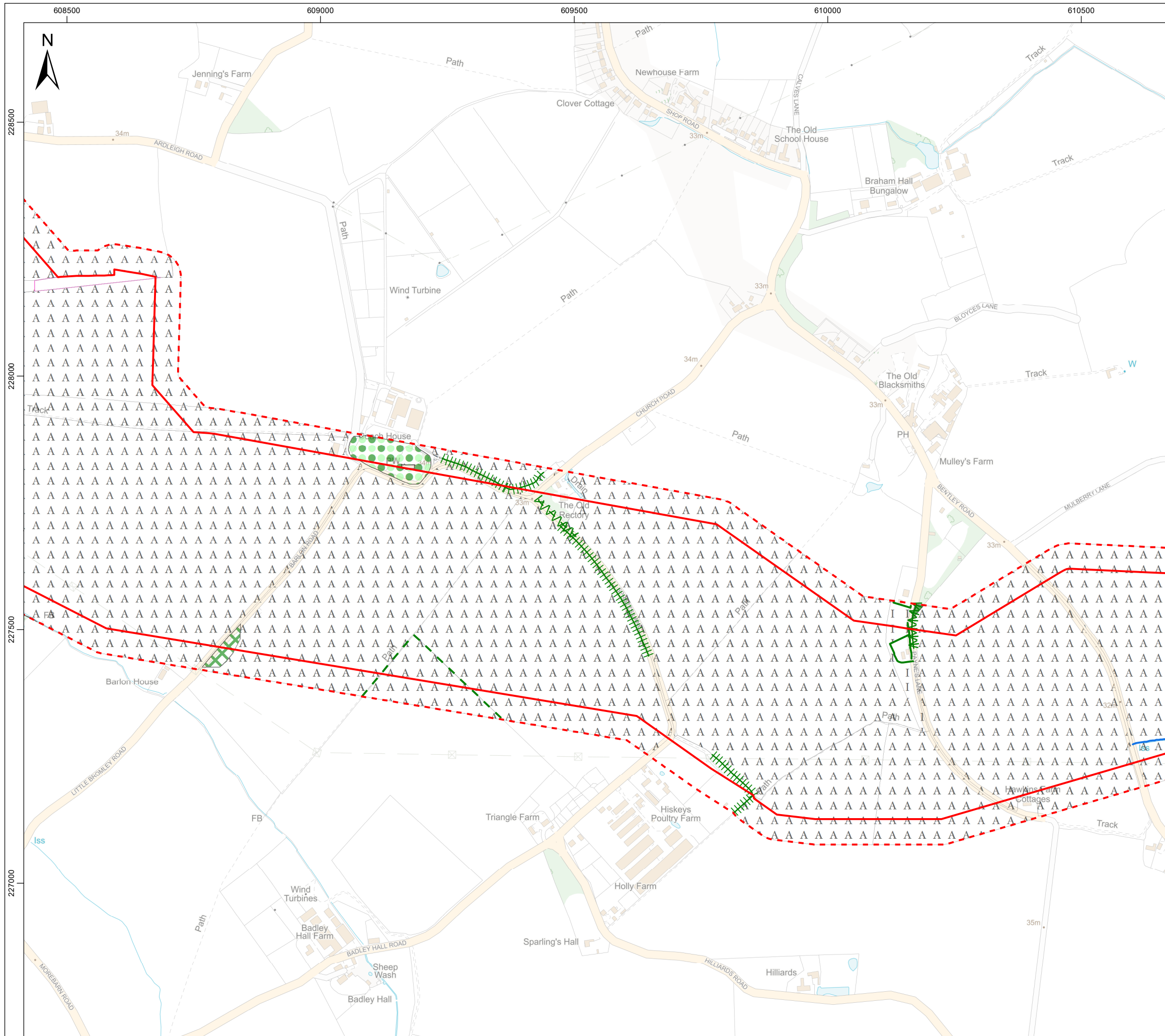
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Drawing Number	Figure Number
<b>PB9244-RHD-ZZ-ON-DR-GS-0106</b>	<b>4p</b>

Scale	Plot Size	Datum	Projection
1:7,500	A3	OSGB36	BNG







**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer

**Phase 1 Habitat Type**

- Running Water
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Native Species-Rich
- Hedge with Trees - Species-Poor
- Broadleaved Woodland - Semi-Natural
- Scrub - Dense/Continuous
- Mixed Parkland/Scattered Trees
- Arable Field Margin
- Improved Grassland
- Poor Semi-Improved Grassland
- Cultivated/Disturbed Land - Arable

0 100 200 400 Metres

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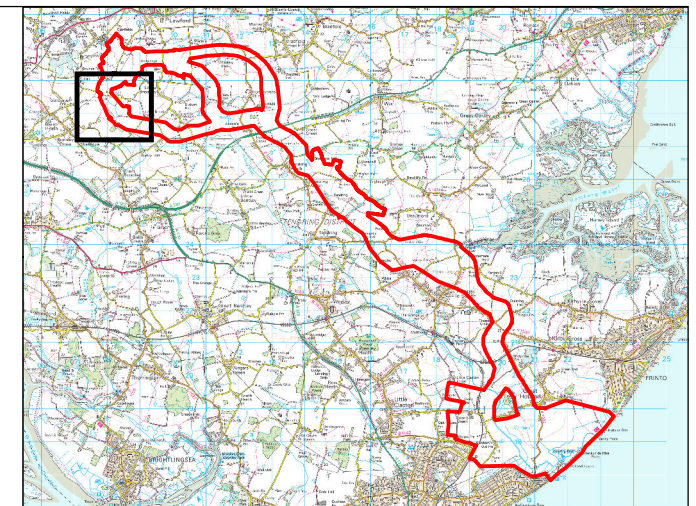
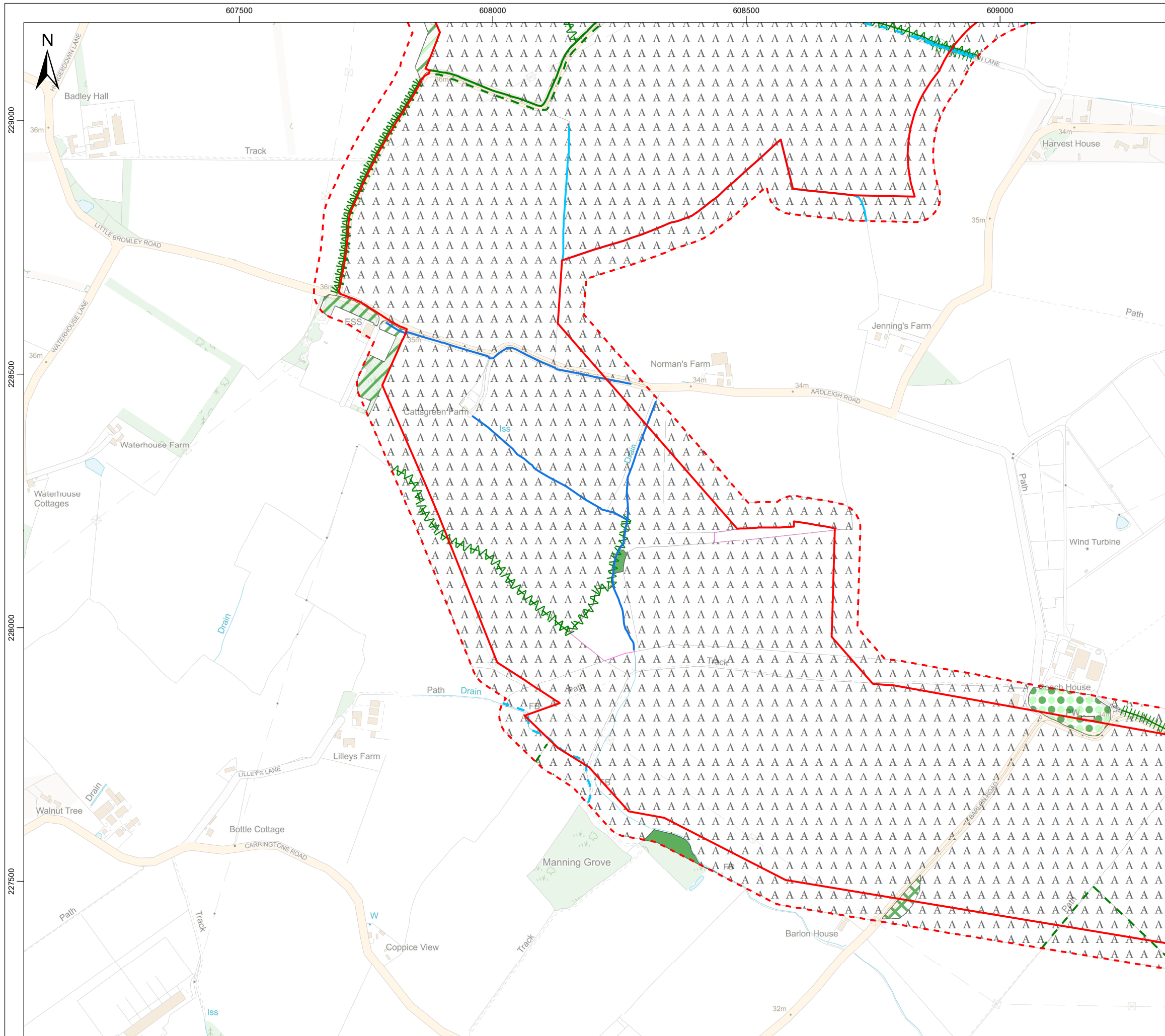
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Rev	Date	Remarks	Drwn	Chkd
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Drawing Number <b>PB9244-RHD-ZZ-ON-DR-GS-0106</b>	Figure Number <b>4q</b>		
Scale 1:7,500	Plot Size A3	Datum OSGB36	Projection BNG





**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Standing Water
- Running Water
- Intact Hedge - Native Species-Rich
- Intact Hedge - Species-Poor
- Defunct Hedge - Native Species-Rich
- Defunct Hedge - Species-Poor
- Hedge with Trees - Native Species-Rich
- Hedge with Trees - Species-Poor
- Dry Ditch
- Broadleaved Woodland - Semi-Natural
- Broadleaved Woodland - Plantation
- Mixed Woodland - Plantation
- Scrub - Dense/Continuous
- Mixed Parkland/Scattered Trees
- Arable Field Margin
- SI Poor Semi-Improved Grassland
- A Cultivated/Disturbed Land - Arable

**Phase 1 Habitat Type**

0 100 200 400 Metres

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Drawing Title

## Badger Survey Results

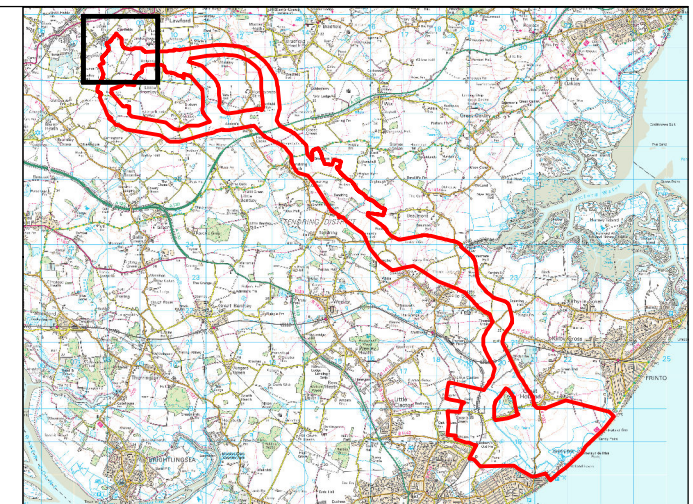
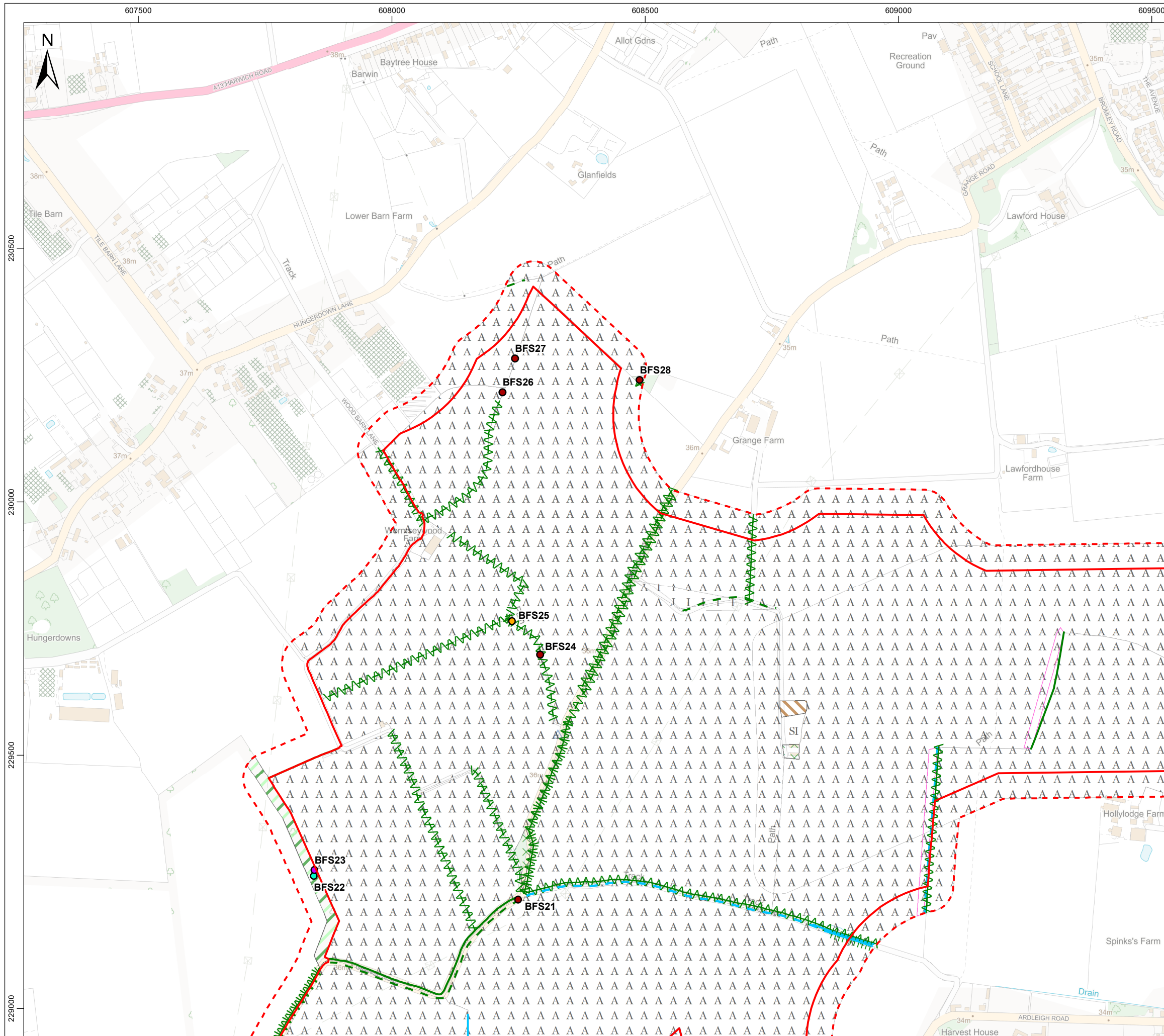
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Scale: 1:7,500	Plot Size: A3	Datum: OSGB36	Projection: BNG
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**Legend**

- Onshore Project Area
- Extended Phase 1 Habitat Survey Buffer
- Badger Field Signs
  - Main Sett
  - Outlier Sett
  - Snuffle Holes
  - Tracks
- Phase 1 Habitat Type
  - Standing Water
  - Intact Hedge - Native Species-Rich
  - Intact Hedge - Species-Poor
  - Defunct Hedge - Native Species-Rich
  - Defunct Hedge - Species-Poor
  - Hedge with Trees - Native Species-Rich
  - Hedge with Trees - Species-Poor
  - Dry Ditch
  - Mixed Woodland - Plantation
  - Scrub - Scattered
  - Arable Field Margin
  - Improved Grassland
  - Poor Semi-Improved Grassland
  - Other Tall Herb and Fern - Ruderal
  - Cultivated/Disturbed Land - Arable

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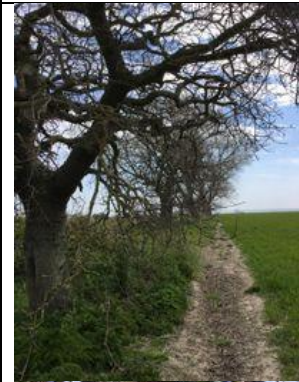










## Appendix E – Bat Roost Assessment Results



Bat roost feature reference	Notes	Habitat suitability	Photographs
BR001	Small copse of trees, 5-6, mature, plenty of rot holes and broken limbs. Access to wider commuting and foraging habitat possible. Moderate roost potential.	Moderate	No photograph
BR002	Willow and hawthorn trees - assessed as negligible for bats.	Negligible	
BR003	Corrugated clad building associated with golf course assessed as providing low - moderate bat potential.	Low/moderate	
BR004	Single willow tree with broken limbs and loose bark - assessed as providing low to moderate bat potential.	Low/moderate	





Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR005	Cypress semi mature tree assessed as providing negligible potential for roosting bats due to no visible PRFs.	Negligible		
BR006	Dry ditch/depression circa 6m wide with no bank no berm. Hawthorn shrub (loose bark and exposed limbs present and therefore assessed as providing low bat potential). Blackthorn scrub assoc. with hedgerow also present.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR007	Four single oak trees with broken limbs and rot holes present.	Moderate		
BR008	Single ivy clad ash tree assessed as providing low bat potential.	Low		





Bat roost feature reference	Notes	Habitat suitability	Photographs
BR009	Single tree assessed as providing negligible bat potential.	Negligible	
BR010	Three oak trees, broken limbs, exposed bark, low to mod bat potential	Low/moderate	
BR011	Single ash tree with broken limbs. Assessed as providing low potential to support roosting bats.	Low	






Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR012	Single oak tree assessed as providing low to moderate bat potential.	Low/moderate		
BR013	Three oak trees present with broken limbs and areas of loose bark. Assessed as providing low potential to support roosting bats.	Low		





Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR014	Group of five trees - one sycamore and four alder. All trees assessed as providing negligible potential to support roosting bats due to absence of PRFs.	Negligible		
				
BR015	Single oak tree with exposed limbs, broken limbs and areas of loose bark. Assessed as providing low potential to support roosting bats.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR016	Single oak tree with rot holes, callus rolls and broken limbs. Assessed as providing moderate - high potential to support roosting bats.	Moderate/high	
BR017	Stand of dead wood with low potential for roosting bats.	Low	
BR018	Area of planted tree whips and deadwood. Assessed as negligible (tree whips) and low (deadwood) for bats.	Negligible/low	






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR019	Group of willow trees with exposed bark, broken limbs - all assessed as providing low bat potential.	Low	
BR020	Willow tree on edge of wet ditch, assessed as moderate bat potential.	Moderate	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR021	Two willow trees assessed as providing moderate to high bat potential.	Moderate/high		
				
BR022	Area of hawthorn shrubs, ground flora includes dock and common nettle. Fallen limbs noted as present and assessed as providing negligible to low potential to support roosting bats.	Negligible/low		



Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR023	Single mature oak with rot holes, woodpecker holes and areas of loose bark. Assessed as providing moderate bat potential.	Moderate		
BR024	Single oak tree with rot holes, broken limbs and areas of exposed bark. Assessed as providing moderate bat potential.	Moderate		
BR025	Single oak tree with broken limbs and rot holes present. Assessed as providing low bat potential.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR026	Two single oak trees assessed as providing negligible bat potential.	Negligible	
BR027	Two mature oak trees with exposed trunk, cavities and rot holes present. Both assessed as providing moderate bat potential.	Moderate	
BR028	Area of managed planted young semi mature willow trees - all assessed as negligible bat potential due to age and absence of PRFs.	Negligible	






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR029	Single oak tree with exposed main trunk, loose bark, broken limbs. Assessed as providing moderate potential for roosting bats.	Moderate	
BR030	Line of willow, hawthorn and oak shrubs. Negligible potential for roosting bats due to age of trees and absence of PRFs.	Negligible	
BR031	Two single oak trees, both of which assessed as providing moderate bat potential.	Moderate	





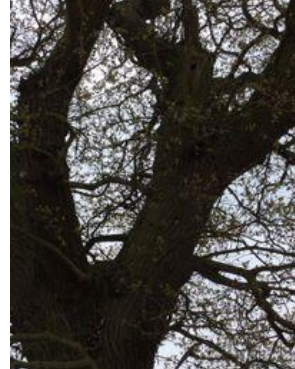

Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR032	Four single trees and area of planting hawthorn - assessed as low/moderate potential for bats.	Low/moderate		
BR033	Single tree assessed as providing moderate bat potential.	Moderate		

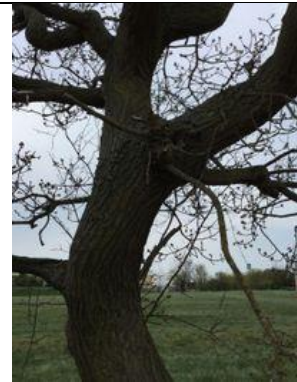





Bat roost feature reference	Notes	Habitat suitability	Photographs
BR034	Three single trees, all assessed as providing low to moderate bat potential.	Low/moderate	
BR035	Single tree assessed as providing low to moderate bat potential (stand of dead wood present)	Low/moderate	

Bat roost feature reference	Notes	Habitat suitability	Photographs
BR036	Single tree assessed as providing low to moderate bat potential - broken limbs and rot holes present.	Low/moderate	
BR037	Area of mature trees, some of which are ivy clad and have broken limbs, rot holes, peeling bark and dead wood - assessed as moderate bat potential.	Moderate	
BR038	Trees with broken limbs - assessed as providing low bat potential.	Low	








Bat roost feature reference	Notes	Habitat suitability	Photographs
BR039	Line of trees, some are ivy clad with broken limbs. Trees assessed as providing negligible to low potential for bats.	Negligible/low	
BR040	Single tree - no PRFs and therefore assessed as negligible bat potential.	Negligible	
BR041	Blackthorn and hawthorn hedgeline with three mature trees. Broken limbs and loose bark present and assessed as providing moderate bat potential.	Moderate	



Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR042	Two single mature trees, rot holes and broken limbs present - assessed as providing low to moderate bat potential	Low/moderate		
BR043	Line of eight trees, one of which is ivy clad, broken limbs, loose bark - all assessed as providing low to moderate bat potential	Low/moderate		
BR044	Blackthorn and hawthorn hedgerow with two mature oak trees with rot holes and broken limbs - assessed as providing moderate bat potential	Moderate		





Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR045	Four mature trees, one with deadwood and rot holes, broken limbs and callus rolls - all assessed as providing moderate to high bat potential.	Moderate/high		
BR046	Single tree assessed as providing moderate bat potential.	Moderate		
BR047	Single tree assessed as providing moderate bat potential.	Moderate		










Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR048	Single tree assessed as providing moderate bat potential.	Moderate		
BR049	Single tree assessed as providing low bat potential.	Low		
BR050	Single tree assessed as providing moderate bat potential.	Moderate		






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR051	Three single trees all assessed as providing low to moderate bat potential.	Low/moderate	
BR052	Stand of dead wood - assessed as providing low to moderate bat potential.	Low/moderate	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR053	Single tree with rot holes, loose bark and broken limbs - assessed as providing moderate bat potential.	Moderate		
BR054	Single tree assessed as providing low to moderate bat potential.	Low/moderate		
BR055	Group of trees - all assessed as providing negligible bat potential.	Negligible		




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR056	A group of three trees, all assessed as providing negligible bat potential.	Negligible		
BR057	Single tree assessed as providing moderate bat potential.	Moderate		
BR058	Single tree assessed as providing low bat potential.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR059	Single tree assessed as providing moderate to high bat potential.	Moderate/high	
BR060	Single tree assessed as providing low bat potential.	Low	
BR061	Single tree assessed as providing moderate bat potential	Moderate	







Bat roost feature reference	Notes	Habitat suitability	Photographs
BR062	Ivy clad mature trees with broken limbs - assessed as providing low bat potential	Low	
BR063	Single tree assessed as having low to moderate bat potential.	Low/moderate	
BR064	Group of four trees, some of which are ivy clad and exposed trunk base - assessed as providing low to moderate bat potential.	Low/moderate	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR065	Single ivy clad tree with broken limbs - assessed as providing low to moderate bat potential	Low/moderate		
BR066	Line of conifer trees, some of which have broken limbs - negligible bat potential due to absence of PRFs.	Negligible		
BR067	Single ivy clad tree - assessed as providing low bat potential.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR068	Single ivy clad weeping willow with loose bark - assessed as providing low bat potential	Low	
BR069	Single mature tree with three bird boxes present - assessed as providing negligible bat potential	Negligible	
BR070	Hawthorn and blackthorn hedgerow with trees, oak with broken limbs peeling bark and rot holes - assessed as providing moderate bat potential.	Moderate	




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR071	Hawthorn. Blackthorn and tall ruderals, occasional mature tree - assessed as low bat potential	Low	
BR072	Single mature oak, ivy clad with broken limbs. Assessed as providing low bat potential.	Low	
BR073	Two mature oak trees with broken limbs - both assessed as providing low bat potential.	Low	






Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR074	Stand of deadwood with bird box present - exposed limbs and rot holes present. Assessed as providing moderate bat potential.	Moderate		
BR075	Single tree assessed as providing negligible bat potential due to absence of PRFs.	Negligible		
BR076	Single oak tree with rot holes present - assessed as providing low bat potential.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR077	Single tree assessed as providing negligible bat potential.	Negligible		
BR078	Area of dead wood and fallen limbs. Assessed as providing low bat potential.	Low		
BR079	Four willow trees with fallen limbs and exposed main trunk with associated bramble. All assessed as providing low to moderate bat potential.	Low/moderate		




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR080	Single tree with loose bark and broken limbs and exposed trunk. Assessed as providing moderate bat potential.	Moderate		
BR081	Seven trees along boundary with blackthorn, hawthorn and bramble scrub. Trees assessed as providing low to moderate bat potential.	Low/moderate		
BR082	Two mature oak trees with some broken limbs and areas of exposed bark - both assessed as providing low bat potential.	Low		

Bat roost feature reference	Notes	Habitat suitability	Photographs
BR083	Mature oak tree with broken limbs, dead wood - assessed as providing low to moderate bat potential.	Low/moderate	
BR084	Mature oak tree with broken limb, peeled bark, rot holes - assessed as providing moderate bat potential.	Moderate	
BR085	Single mature oak tree, with owl box and exposed bark, woodpecker hole - assessed as providing moderate bat potential.	Moderate	





Bat roost feature reference	Notes	Habitat suitability	Photographs
BR086	Mature oak tree with rot holes and broken limbs - assessed as providing moderate bat potential.	Moderate	
BR087	Mature oak tree with broken limbs, rot holes and callus rolls - assessed as providing low bat potential.	Low	
BR088	Single mature oak tree with broken limbs - assessed as providing low bat potential.	Low	


Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR089	Single tree (deadwood) with peeling bark, broken limbs - assessed as providing moderate bat potential.	Moderate		
BR090	Single mature oak with broken limbs, peeling bark and rot hole - assessed as providing low bat potential.	Low		
BR091	Mature willow with several holes and cracked limbs within good quality foraging habitat	Moderate		


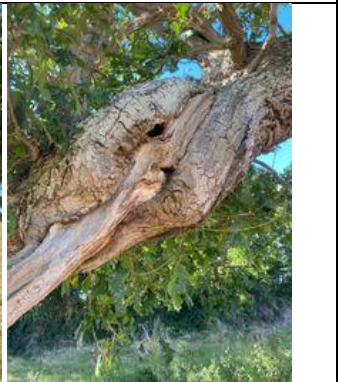
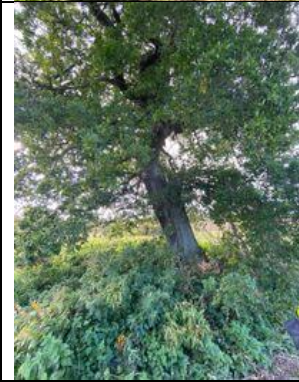
Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR092	Large potentially veteran oak with thick covering of ivy, within good foraging habitat. Some cracked and broken limbs present.	Moderate		
BR093	Mature ash with a few woodpecker holes	Moderate		
BR094	Large mature ash with woodpecker holes. Surrounded by high quality commuting and foraging habitat.	Moderate		











Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR095	Large potentially veteran oak tree with multiple cracked limbs and hollow centre. Within good quality commuting and foraging habitat.	High		
BR096	Large potentially veteran oak with split limbs and multiple holes. Within good quality habitat.	High		






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR097	Large potentially veteran oak with multiple holes (including woodpecker) and cracks and splits.	High	 A collage of five photographs showing a large, old oak tree. The top-left photo shows the tree from a distance on a grassy hill. The top-right photo is a close-up of a hole in the trunk. The middle-left photo shows a close-up of a hole in the trunk with a yellow measuring tape nearby. The middle-right photo is a close-up of a hole in the trunk. The bottom photo shows the tree from a low angle, highlighting its thick trunk and spreading canopy.




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR098	Mature oak, partially dead, hollow tree with multiple holes, split limbs and trunk. Adjacent to high quality commuting habitat.	Moderate		
BR099	Mature oak with a limited visible PRFs	Low		






Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR100	Mature oak with several holes and split limbs.	High	 	
BR101	Dead tree with several holes though looks to be totally hollow from ground.	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR102	Mature oak with one hole and some cracked limbs	Moderate		
BR103	Mature oak with limited visible PRFs	Low		
BR104	Mature oak with some cracked limbs	Low		






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR105	Mature oak with limited visible PRFs	Low	
BR106	Large mature, potentially veteran oak with dropped limb. No visible PRFs	Low	
BR107	Mature oak with limited visible PRFs	Low	




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR108	Mature oak with some visible holes and cracks	Moderate	
BR109	Mature, potentially veteran, oak in hedge with multiple visible holes and cracks	Moderate	
BR110	Oak with severe damage in hedge, lots of cracks and holes that may lead deeper into internal cavities suitable for roosting bats	Moderate	
BR111	Woodland trees too immature therefore limited potential for supporting roosting bats	Negligible	No photograph







Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR112	Barn/shed with ivy cover, limited PRFs visible	Low		
BR113	Mature (potentially veteran) oak with multiple holes. One hole looks to reach inside quite deep	Moderate		
BR114	Mature oak in arable field. No visible PRFs	Negligible		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR115	Mature oak with limited PRFs	Low	
BR116	Mature oak with limited PRFs	Low	
BR117	Mature oak with limited PRFs	Low	






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR118	Mature oak with some broken and cracked limbs, however not enough to support a larger hibernation or maternity roost	Low	
BR119	Mature oak with limited visible PRFs	Low	
BR120	Mature ivy clad oak in hedge. Limited visibility due to ivy, however trunk and stem look too thin and no visible PRFs	Low	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR121	Two mature oak at field entrance with limited visible PRFs	Low		
BR122	Two mature ivy clad oak along field boundary with limited visible PRFs	Low		
BR123	One mature ivy clad oak with several visible holes and broken limbs, suitable for roosting bats	Moderate		






Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR124	Mature oak that looks to be managed, branch lopping to allow vehicle passing along track. No visible PRFs	Negligible		
BR125	Mature potentially veteran oak with cracked limbs and stem. Some visible PRFs	Moderate		
BR126	Mature oak along field boundary with woodpecker holes, potentially in use by woodpecker as look to be fresh	Moderate		




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR127	Mature oak with no visible PRFs	Negligible		
BR128	Mature potentially veteran willow with some visible cracks and holes.	Moderate		
BR129	Mature potentially veteran oak with visible cracks and holes.	Moderate		






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR130	Mature oak with cracked and broken limbs	Moderate	
BR131	Mature oak with no visible PRFs	Negligible	
BR132	Mature oak with no visible PRFs	Negligible	




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR133	Mature potentially veteran oak with no visible PRFs	Negligible	
BR134	Ivy clad disused barn constructed of corrugated iron. Large gap present in door.	Moderate	
BR135	Small derelict shed with external cladding and corrugated roof	Moderate	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR136	Disused farm buildings adjacent to small piece of woodland. Some lifted tiles, open chimneys and lifted cladding	Moderate		
BR137	Mature oak with cracks and holes	Moderate		
BR138	Three mature oak in arable field, no visible PRFs and potentially isolated trees	Low		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR139	Approx. 7 semi mature oak with no visible PRFs and narrow stem/diameter.	Negligible	
BR140	Oak with no visible PRFs	Negligible	
BR141	Two mature oak with a couple of visible holes however largely disconnected from any commuting and/or foraging habitat.	Negligible	






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR142	Mature oak with no visible PRFs	Negligible	
BR143	Mature oak with no visible PRFs	Negligible	
BR144	Mature oak with no visible PRFs	Negligible	




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR145	Mature oak with no visible PRFs	Negligible	
BR146	Row of four Mature oak with no visible PRFs	Negligible	
BR147	Three Mature oak with no visible PRFs	Negligible	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR148	One oak, no signs of PRF, isolated on edge of arable land	Negligible		
BR149	Mature oak, signs of PRF, part of intact hedge which is good commuting habitat	Moderate		
BR150	Large Mature, potentially veteran ivy clad oak. Good commuting bat habitat surrounding. No visible signs of PRF. There are some broken and cracked limbs visible	Moderate		




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR151	Mature oak with potential signs of PRF but the higher limbs are quite narrow, whereas the base is thick. Part of moderate habitat for commuting and foraging bats.	Low	
BR152	Mature oak with visible signs of PRF. Part of moderate suitable habitat for commuting and foraging bats	Moderate	
BR153	Semi-mature oak with some visible signs of PRF, part of moderate suitable habitat for commuting and foraging bats	Low	






Bat roost feature reference	Notes	Habitat suitability	Photographs
BR154	Semi-mature oak with some visible signs of PFR. Part of moderate suitable habitat for commuting and foraging bats	Low	
BR155	Mature oak, no visible PRFs.	Negligible	
BR156	Mature oak with some signs of PRFs. Within habitat that's moderate suitability for commuting and foraging bats	Low	




Bat roost feature reference	Notes	Habitat suitability	Photographs
BR157	Mature oak with no visible signs of PRF but part of habitat that is moderate suitability for commuting and foraging bats	Negligible	
BR158	Mature oak with no signs of PRF and within habitat that is moderate suitability for commuting and foraging bats	Negligible	
BR159	Mature oak, no signs of PRFs. Habitat moderate suitability for commuting and foraging bats	Negligible	



Bat roost feature reference	Notes	Habitat suitability	Photographs
BR160	Mature potentially veteran oak, no signs of PRF. Habitat moderate suitability for commuting and foraging bats	Low	
BR161	Large Mature oak, signs of PRFs and part of a defunct hedge with woodland nearby	Moderate	
BR162	Mature oak with visible signs of PRFs. Some woodpecker holes. Semi-isolated as part of a defunct hedge with trees.	Moderate	




Bat roost feature reference	Notes	Habitat suitability	Photographs	
BR163	Mature oak with a few cracked branches, however quite isolated as near a defunct hedge with trees.	Low		
BR164	Mature potentially veteran oak. No visible PRFs and isolated.	Low		
BR165	Mature oak, isolated. No signs of PRFs	Negligible		





Bat roost feature reference	Notes	Habitat suitability	Photographs
BR166	Old disused farm house and outbuildings. Some lifted tiles present, potentially suitable for some roosting bats to access	Moderate	
BR167	Mature oak, semi-isolated as part of defunct hedge. Some signs of PRFs. Low suitability for commuting and foraging bats.	Low	
BR168	Two mature oak with no visible PRFs	Negligible	

Bat roost feature reference	Notes	Habitat suitability	Photographs
BR169	Mature oak with no visible PRFs	Negligible	
BR170	Potentially veteran oak with no visible PRFs	Negligible	
BR171	Large potentially veteran oak with rotted knots and cracked limbs	Low	

Bat roost feature reference	Notes	Habitat suitability	Photographs
BR172	Large mature willow with several woodpecker holes	Moderate	
BR173	Large potentially veteran oak with no visible PRFs	Negligible	

Bat roost feature reference	Notes	Habitat suitability	Photographs
BR174	Mature oak with no visible PRFs	Negligible	
BR175	Large mature oak with limited visible PRFs	Low	
BR176	Large mature oak with woodpecker holes	Moderate	



Bat roost feature reference	Notes	Habitat suitability	Photographs
BR177	Large mature oak with visible holes, splits and cracked limbs	Moderate	
BR178	Large mature oak with woodpecker holes.	Moderate	
BR179	Mature oak with several cracked limbs and visible holes. Claw marks around hole potentially squirrel.	Moderate	