



# Hornsea Project Four: Environmental Statement (ES)

PINS Document Reference: A6.3.2  
APFP Regulation 5(2)(a)

## Volume A6, Annex 3.2: Extended Phase 1 Target Note Tables

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## Glossary

Term	Definition
Birds of Conservation Concern (BoCC) 'Red List'	The 'red list' includes birds of the highest conservation concern in the UK, Channel Islands and Isle of Man needing urgent action.
Commitment	A term used interchangeably with mitigation and enhancement measures. The purpose of Commitments is to reduce and/or eliminate Likely Significant Effects (LSEs), in EIA terms. Primary (Design) or Tertiary (Inherent) are both embedded within the assessment at the relevant point in the EIA (e.g. at Scoping, Preliminary Environmental Information Report (PEIR) or ES). Secondary commitments are incorporated to reduce LSE to environmentally acceptable levels following initial assessment i.e. so that residual effects are acceptable.
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for one or more National Significant Infrastructure Projects (NSIP).
Energy balancing infrastructure (EBI)	The onshore substation includes energy balancing Infrastructure. These provide valuable services to the electrical grid, such as storing energy to meet periods of peak demand and improving overall reliability.
Environmental Statement (ES)	A document reporting the findings of the EIA and produced in accordance with the EIA Directive as transposed into UK law by the EIA Regulations
Export Cable Corridor (ECC)	The specific corridor of seabed (seaward of Mean High-Water Springs (MHWS)) and land (landward of MHWS) from the Hornsea Project Four array area to the Creyke Beck National Grid substation, within which the export cables will be located.
Hornsea Project Four Offshore Wind Farm	The term covers all elements of the project (i.e. both the offshore and onshore). Hornsea Four infrastructure will include offshore generating stations (wind turbines), electrical export cables to landfall, and connection to the electricity transmission network. Hereafter referred to as Hornsea Four.

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Hornsea Project Four Offshore Wind Farm	The term covers all elements of the project (i.e. both the offshore and onshore). Hornsea Four infrastructure will include offshore generating stations (wind turbines), electrical export cables to landfall, and connection to the electricity transmission network. Hereafter referred to as Hornsea Four.
High Voltage Alternating Current (HVAC)	High voltage alternating current is the bulk transmission of electricity by alternating current (AC), whereby the flow of electric charge periodically reverses direction.
Landfall	The generic term applied to the entire landfall area between Mean Low Water Spring (MLWS) tide and the Transition Joint Bay (TJB) inclusive of all construction works, including the offshore and onshore ECC, intertidal working area and landfall compound. Where the offshore cables come ashore east of Fraisthorpe.
National Grid Electricity Transmission (NGET) substation	The grid connection location for Hornsea Four at Creyke Beck.
Onshore substation (OnSS)	Comprises a compound containing the electrical components for transforming the power supplied from Hornsea Project Four to 400 kV and to adjust the power quality and power factor, as required to meet the UK Grid Code for supply to the National Grid. If a HVDC system is used the OnSS will also house equipment to convert the power from HVDC to HVAC.
Order Limits	The limits within which Hornsea Project Four (the 'authorised project') may be carried out.
Orsted Hornsea Project Four Ltd.	The Applicant for the proposed Hornsea Project Four Offshore Wind Farm Development Consent Order (DCO).
Potential Roost Feature (PRF)	Potential bat roosts which can include visible cracks, holes, gaps or splits that allow access for roosting bats.

## Acronyms

Acronym	Definition
EP1HS	Extended Phase 1 Habitat Survey
HVAC	High Voltage Direct Current
HVDC	High Voltage Alternating Current
JNCC	Joint Nature Conservation Committee
MLWS	Mean Low Water Springs
OnSS	Onshore Substation
OS	Ordnance Survey
PRF	Potential Roost Feature
PRoW	Public Right of Way
RSPB	Royal Society for the Protection of Birds
TN	Target Note

## Units




Unit	Definition
ha	hectare
km	kilometre
kV	kilovolt
m	metre

## 1 Introduction

- 1.1.1.1 Orsted Hornsea Project Four Limited (the 'Applicant') is proposing to develop the Hornsea Project Four Offshore Wind Farm (hereafter 'Hornsea Four'). Hornsea Four will be located approximately 69 km offshore the East Riding of Yorkshire in the Southern North Sea and will be the fourth project to be developed in the former Hornsea Zone. Hornsea Four will include both offshore and onshore infrastructure including an offshore generating station (wind farm), export cables to landfall, and on to an onshore substation (OnSS) with energy balancing infrastructure (EBI), and connection to the electricity transmission network.
- 1.1.1.2 Royal HaskoningDHV was commissioned to undertake an updated Extended Phase 1 Habitat Survey (EP1HS) within and up to 50 m from the onshore Hornsea Four Order Limits. To inform the Scoping stages of the project, an initial habitat assessment was conducted, comprising a desktop review of high-resolution aerial imagery obtained in July 2018, followed by a ground-truthing exercise. This is reported in the Hornsea Four Scoping Report (Orsted 2018).
- 1.1.1.3 This technical annex has been produced to update the habitat information following the scoping stage survey and to characterise the baseline environment and identify the requirement for Phase 2 species-specific surveys to inform and support the ecological impact assessment in **Volume A3, Chapter 3: Ecology and Nature Conservation** of the Hornsea Four Environmental Statement (ES).
- 1.1.1.4 Due to the amount of data collated during the Hornsea Four EP1HS, this technical report has been split into two parts:
- **Annex 3.1: Extended Phase 1 Habitat Survey Report** – outlines the methodology, survey results, conclusions and mitigation; and
  - **Annex 3.2: Extended Phase 1 Target Note Tables** (this document) – presents the target notes table.
- 1.1.1.5 Consequently, **Table 1** below should be read in conjunction with **Annex 3.1: Extended Phase 1 Habitat Survey Report** as well as **Figure 12** to **Figure 42** within the aforementioned report. The 'ditch' and 'hedge' numbers in **Table 1** are not identified on the figures in **Annex 3.1** but instead has be found in the relevant Phase 2 technical annexes (**Annex 3.3** to **Annex 3.15**).
- 1.1.1.6 As a result of the failure (and corruption) of one of the memory cards used to store photographs taken during the survey, a number of photographs were corrupted beyond recovery and as such are labelled as 'no photograph available' within **Table 1**. Should the stakeholders request additional photographs these can be obtained during the pre-construction surveys. All photographs were taken with an iPad 8-megapixel camera ( $f/2.4$  aperture).
- 1.1.1.7 Ongoing consultation with landowners has been undertaken by The Applicant's land agents since 2019 and consequently access to the remaining 5 % unsurveyed in 2019 was granted

in 2021. The findings from this survey are provided in [Appendix A](#) of [Annex 3.1: Extended Phase 1 Habitat Survey Report](#) and [Appendix A](#) of this document.



Table 1: 2019 Hornsea Four Updated EP1HS Target Notes (TNs).



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN001	Sand martin nests in cliff face, known to use entire length of coastline.	N: 461455.60 E: 516926.72	
TN002	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn <i>Crataegus monogyna</i> and alder <i>Alnus glutinosa</i> .  Low suitability for commuting and foraging bats.  Hedge_H001	N: 461132.71 E: 516687.90	
TN003	Mostly dry watercourse with patches of standing water. Common reed <i>Phragmites australis</i> , nettle <i>Urtica dioica</i> , bramble <i>Rubus fruticosus</i> , common hogweed <i>Heracleum sphondylium</i> , reed canary grass <i>Phalaris arundinacea</i> L.  Ditch_BO2	N: 461098.75 E: 516493.15	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN004	<p>Wide watercourse with steep, overgrown banks. Arable fields on both sides. Vegetation including bramble, nettle, broad leaf dock <i>Rumex obtusifolius</i>, common hogweed and perennial rye grass <i>Lolium perenne</i>.</p> <p>Ditch_BO1</p>	<p>N: 461408.22 E: 516452.90</p>	
TN005	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, elder <i>Sambucus nigra</i>, bramble, thistle <i>Cirsium vulgare</i>. Fenced. Lower sections consist of scrub species.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H002</p>	<p>N: 461162.66 E: 516260.21</p>	
TN006	<p>Small, open barn with barn owl nest boxes. Managed by the Royal Society for the Protection of Birds RSPB. Barn owl observed on multiple occasions during the water vole and bat surveys.</p> <p>Negligible suitability for roosting bats.</p>	<p>N: 461098.24 E: 515931.51</p>	
TN007	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn and elder.</p> <p>Negligible suitability for commuting and foraging bats.</p> <p>Hedge_H003</p>	<p>N: 461009.23 E: 516214.82</p>	



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN008	<p>Broadleaved plantation woodland (JNCC: A1.1.2) consisting of oak <i>Quercus robur</i> ash <i>Fraxinus excelsior</i>, field maple <i>Acer campestre</i>, sycamore <i>Acer pseudoplatanus</i>.</p> <p>Low suitability for roosting bats. Moderate suitability for commuting and foraging bats.</p>	<p>N: 460839.49 E: 516061.37</p>	
TN009	<p>Narrow watercourse with steep, heavily vegetated banks, dry in patches. Willowherb <i>Chamaenerion angustifolium</i>, thistle, nettle, reed canary grass.</p> <p>Ditch_B04</p>	<p>N: 460798.12 E: 515922.45</p>	
TN010	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H004</p>	<p>N: 460398.43 E: 515539.02</p>	
TN011	<p>Steep, heavily vegetated banks dominated by common reed. Nettle, bramble, cleavers <i>Galium aparine</i>, thistle and willowherb present.</p> <p>Ditch_B05</p>	<p>N: 460112.84 E: 515629.19</p>	No photograph available




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN012	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, lower sections consist of standalone shrubs, remainder of hedge has large gaps, dry ditch.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H005</p>	<p>N: 460112.20 E: 515642.99</p>	
TN013	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and blackthorn <i>Prunus spinosa</i>.</p> <p>Negligible suitability for commuting and foraging bats.</p> <p>Hedge_H006</p>	<p>N: 459529.01 E: 515326.58</p>	No photograph available
TN014	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.</p> <p>Negligible suitability for commuting and foraging bats.</p> <p>Hedge_H007</p>	<p>N: 459518.51 E: 515306.13</p>	No photograph available
TN015	<p>Improved grassland (JNCC: B4) potentially used for livestock grazing.</p>	<p>N: 459259.89 E: 514983.12</p>	
TN016	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, elder, blackthorn, willow <i>Salix spp</i>, Hedge very defunct, scattered shrubs.</p>	<p>N: 459227.13 E: 514937.63</p>	No photograph available




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
	Negligible suitability for commuting and foraging bats. Hedge_H008		
TN017	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn with large gaps.  Negligible suitability for commuting and foraging bats. Hedge_H009	N: 458972.47 E: 514709.02	No photograph available
TN018	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn with eight scattered trees within survey area (oak, ash, sycamore and elder). All semi-mature trees with negligible bat roost suitability.  Negligible suitability for commuting and foraging bats. Hedge_H010	N: 458640.11 E: 514534.02	
TN019	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and elder.  Negligible suitability for commuting and foraging bats. Hedge_H011	N: 458514.44 E: 514220.11	





Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN020	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn with bramble, nettle and cow parsley <i>Anthriscus sylvestris</i>.</p> <p>Negligible suitability for commuting and foraging bats.</p> <p>Hedge_H012</p>	<p>N: 458470.13 E: 514225.79</p>	
TN021	<p>Species rich hedge with trees (JNCC: J2.3.1) consisting of hawthorn, aspen <i>Populus spp.</i>, horse chestnut <i>Aesculus hippocastanum</i>, field maple, sycamore, ash, elder. Majority of boundary formed of scattered trees.</p> <p>Low suitability for roosting bats. Low suitability for commuting and foraging bats.</p> <p>Hedge_H013</p>	<p>N: 458318.64 E: 513884.67</p>	
TN022	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H014</p>	<p>N: 458137.92 E: 513929.53</p>	No photograph available
TN023	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn. Same hedge as Hedge_H014 allowing for gap for driveway.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H015</p>	<p>N: 457912.24 E: 513928.37</p>	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN024	<p>Species rich intact hedge (JNCC: J2.1.1) consisting of hawthorn, field maple, dog rose <i>Rosa canina</i>, elm <i>Ulmus procera</i>, willow, Guelder rose <i>Viburnum opulus</i>, privet <i>Ligustrum vulgare</i>, holly <i>Ilex aquifolium</i>, and apple <i>Malus domestica</i>.</p> <p>Hedge_H016</p>	<p>N: 457657.74 E: 513814.09</p>	
TN025	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn and ash.</p> <p>Hedge_H017</p>	<p>N: 457013.61 E: 513342.94</p>	
TN026	<p>Wide, static watercourse with vertical banks, recently trimmed, grass, common reed. No in channel vegetation, approximately 8-10 m wide, silted, poor water quality.</p> <p>Ditch_B08</p>	<p>N: 456760.28 E: 512964.71</p>	
TN027	<p>Narrow watercourse with steep/vertical vegetated banks. Choked with common reed, occasional hawthorn and small woodland present outside survey area. Reed canary grass, common hogweed, willowherb, thistle and broad leaf dock.</p> <p>Ditch_B07</p>	<p>N: 456743.97 E: 512684.96</p>	

# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN028	Broadleaved plantation woodland (JNCC: A1.1.2) small isolated plantation copse consisting of sycamore, field maple and pines.  Negligible suitability for roosting bats.	N: 456538.28 E: 512401.86	No photograph available
TN029	Scrub (JNCC: A2.1) small patch of scrub between arable fields consisting of thistle, nettle and broad leaf dock	N: 456568.01 E: 512155.00	
TN030	Species rich hedge with trees (JNCC: J2.3.1) consisting of ash, sycamore, hawthorn, ivy, bramble and a dry ditch.  Moderate suitability for commuting and foraging bats.  Hedge_H019	N: 456412.02 E: 512011.41	
TN031	Large ash tree situated in hedge with no visible holes.  Negligible suitability for roosting bats.	N: 456420.87 E: 512007.16	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN032	<p>Large ash tree situated in hedge, with several visible holes and broken limbs.</p> <p>Assessed as providing moderate suitability for roosting bats.</p>	<p>N: 456478.43 E: 512003.64</p>	
TN033	<p>Arable field (JNCC: J.1) – winter cover.</p>	<p>N: 456456.33 E: 511876.95</p>	n/a
TN034	<p>Wide, static watercourse with vertical banks, recently trimmed, grass, common reed. No in channel vegetation, approximately 8-10 m wide, silted, poor water quality.</p> <p>Ditch_B08</p>	<p>N: 456608.67 E: 511865.76</p>	
TN035	<p>Arable field (JNCC: J.1) – winter cover.</p>	<p>N: 456658.40 E: 511707.70</p>	n/a
TN036	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and bramble. Hedge recently cut back.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H020</p>	<p>N: 456573.83 E: 511644.41</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN037	<p>Small patch of semi-natural broadleaved woodland (JNCC: A1.1.1) consisting of horse chestnut, sycamore, hawthorn, bramble, ivy <i>Hedera helix</i>. Fallen branches and dead roots present.</p>	<p>N: 456639.71 E: 511609.20</p>	
TN038	<p>Species poor hedge with trees (JNCC J2.3.2) consisting of hawthorn, bramble, sycamore and ash.</p> <p>Assessed as providing moderate habitat suitability for commuting and foraging bats.</p> <p>Hedge_H021</p>	<p>N: 456653.91 E: 511586.01</p>	
TN039	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, bramble, ivy, nettle, thistle and cleavers. Dry ditch present.</p> <p>Assessed as providing moderate habitat suitability for commuting and foraging bats.</p> <p>Hedge_H022</p>	<p>N: 456631.62 E: 511584.37</p>	
TN040	<p>Large, ivy clad sycamore tree with limited potential roost features (PRFs) visible from ground. Opportunistic roosting potential only.</p> <p>Low suitability for roosting bats.</p>	<p>N: 456619.07 E: 511593.91</p>	

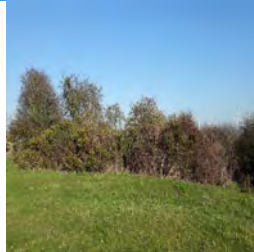







# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN041	<p>Horse chestnut tree situated in middle of improved grassland, used for grazing, no visible cracks or holes disconnected from wider habitat.</p> <p>Assessed as providing negligible suitability for roosting bats.</p>	<p>N: 456579.85 E: 511497.36</p>	
TN042	<p>Large ash tree with holes and broken limbs.</p> <p>Assessed as providing moderate suitability for roosting bats.</p>	<p>N: 456584.57 E: 511403.81</p>	
TN043	<p>Fallen tree offering potential reptile hibernation options.</p>	<p>N: 456536.41 E: 511422.67</p>	
TN044	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and bramble, fenced, thick dense scrub vegetation in sections.</p> <p>Assessed as providing moderate suitability for commuting and foraging bats.</p> <p>Hedge_H023</p>	<p>N: 456527.45 E: 511436.01</p>	



# Hornsea 4




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN045	<p>Poor semi-improved grassland (JNCC: B6) Habitat consisting of ridge and furrow features throughout, large mature trees, fallen branches and dense scrub sections with gorse and bramble. Optimal reptile mosaic habitat with features for basking, foraging and hibernating.</p>	<p>N: 456582.51 E: 511341.11</p>	
TN046	<p>Large ash tree with fallen limbs and cracks present.</p> <p>Assessed as providing moderate suitability for roosting bats.</p>	<p>N: 456508.51 E: 511342.44</p>	
TN047	<p>Large sycamore with broken limbs and cracks.</p> <p>Assessed as providing moderate suitability for roosting bats.</p>	<p>N: 456484.20 E: 511359.76</p>	




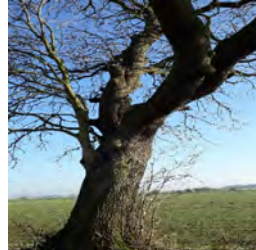
Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN048	Scrub (JNCC: A2.1) consisting of gorse <i>Ulex europaeus</i> , bramble, nettle and hawthorn.	N: 456447.27 E: 511388.67	
TN049	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, beech <i>Fagus sylvatica</i> , bramble, common hogweed and nettle.  Moderate suitability for commuting and foraging bats.  Hedge_H024	N: 456485.09 E: 511297.58	
TN050	Arable (JNCC: J1.1) – winter cover.	N: 456371.22 E: 511062.24	n/a
TN051	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, bramble, thistle and nettle  Hedge_H025	N: 456229.68 E: 510896.48	
TN052	Boundary removed (JNCC: J2.7) bramble, nettle and scattered semi-mature trees remaining.	N: 456225.56 E: 510874.45	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN053	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of blackthorn, hawthorn, ash, sycamore. Recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H027</p>	<p>N: 456367.97 E: 510453.90</p>	
TN054	<p>Arable field (JNCC: J.1) potential set aside, some cropped corn, thistle and other ruderal species present.</p>	<p>N: 456392.41 E: 510342.98</p>	n/a
TN055	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and bramble, recently trimmed, fenced.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H028</p>	<p>N: 456376.72 E: 510259.11</p>	
TN056	<p>Improved grassland (JNCC: B4) potentially used for grazing.</p>	<p>N: 456248.79 E: 510288.36</p>	No photograph available
TN057	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn. Recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H029</p>	<p>N: 456261.55 E: 510269.79</p>	No photograph available
TN058	<p>Arable (JNCC: J1.1) – winter cover, surveyed from adjacent land plots.</p>	<p>N: 456237.76 E: 509927.99</p>	n/a

# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN059	Narrow watercourse with heavily vegetated grassy banks, partially dry, common reed present.  Ditch_B09	N: 456027.07 E: 509716.96	
TN060 (TN43)	Arable (JNCC: J1.1) – in crop at the time of the survey.	N: 455977.51 E: 509575.33	n/a
TN061	Skylark observed/heard in song flight over field.	N: 455924.99 E: 509516.33	n/a
TN062	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn with occasional field maple.  Hedge_H030	N: 455877.31 E: 509596.08	No photograph available
TN063	Partially dry watercourse with steep earth banks recently dug and cleared. Hedge removed along one bank.  Ditch_B10	N: 455876.96 E: 509559.71	
TN064	Arable (JNCC: J1.1) – in crop at the time of the survey.	N: 455656.53 E: 509440.70	n/a




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN065	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, blackthorn, holly. Mostly newly planted approximately 1-2 seasons growth.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H031</p>	<p>N: 455656.03 E: 509432.82</p>	
TN066	<p>Wide watercourse, slow flowing with steep grassy banks in sections, silty, common reed present, defunct hawthorn hedge on one bank.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Ditch_B11</p>	<p>N: 455449.24 E: 509131.66</p>	
TN067	<p>Species poor defunct hedgerow (JNCC: J2.2.2) consisting of hawthorn with large gaps.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H032</p>	<p>N: 455486.05 E: 509120.31</p>	No photograph available
TN068	<p>Arable (JNCC: J1.1) – winter cover.</p>	<p>N: 455381.15 E: 509046.36</p>	n/a
TN069	<p>Improved grassland (JNCC: B4) Horses grazing, electric fencing present.</p>	<p>N: 455524.01 E: 509003.25</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN070	Scrub (JNCC: A2.1) consisting of scattered trees, mostly semi mature, hawthorn and sycamore.	N: 455484.90 E: 508913.14	
TN071	Large, mature sycamore tree with holes visible.  Moderate suitability for roosting bats.	N: 455480.82 E: 508916.60	
TN072	Sycamore tree on edge of access road, one small hole visible from ground.  Low suitability for roosting bats.	N: 455430.45 E: 508933.34	
TN073	Large mature ash tree with limited visible PRFs.  Low suitability for roosting bats.	N: 455397.13 E: 508943.11	




# Hornsea 4




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN074	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, ash and sycamore trees. Hedge appeared to have been part removed/cut back at the time of the survey.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H033</p>	<p>N: 455376.52 E: 508951.51</p>	
TN075	<p>Arable (JNCC: J1.1) – part cropped, part winter cover with wide grassy margins.</p>	<p>N: 455352.03 E: 508781.79</p>	n/a
TN076	<p>Narrow, heavily vegetated ditch with approx. 20 cm water. Thistle, willowherb and nettle dominant.</p> <p>Ditch_B12</p>	<p>N: 455414.44 E: 508613.52</p>	
TN077	<p>Wide watercourse with grassy banks, recently trimmed.</p> <p>Ditch_B13</p>	<p>N: 455401.05 E: 508588.54</p>	
TN078	<p>Watercourse approximately 3 m wide, 0.5 m deep with steep grassy banks, moderate flow, silted, common reed and glyceria, occasional hawthorn.</p> <p>Ditch_B14</p>	<p>N: 455301.76 E: 508624.49</p>	






Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN079	Species poor defunct hedge (JNCC: J2.2.2) consisting mainly of hawthorn with some blackthorn, large gaps present.  Hedge_H034	N: 455286.89 E: 508634.58	No photograph available
TN080	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn and scattered shrubs, large gaps present.  Hedge_H035	N: 455187.84 E: 508370.35	No photograph available
TN081	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn  Hedge_H036	N: 455138.67 E: 508428.26	
TN082	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, well managed/maintained.  Hedge_H037	N: 455009.10 E: 508290.12	
TN083	Watercourse with heavily vegetated banks, common reed dominant, bindweed <i>Convolvulus arvensis</i> , nettle and thistle.  Ditch_B15	N: 454995.10 E: 508266.50	



# Hornsea 4




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN084	Species poor hedge with trees (JNCC: J2.3.2) largely defunct hedge consisting of hawthorn and elder.  Hedge_H038	N: 454915.18 E: 508071.28	No photograph available
TN085	Species rich hedge with trees (JNCC: J2.3.1) consisting of hawthorn, field maple, cherry <i>Prunus spp.</i> , oak, rowan <i>Sorbus aucuparia</i> , elder, holly and guelder rose.  Hedge_H039	N: 454792.15 E: 507848.67	
TN086	Large area of made ground with several log piles offering reptile hibernacula.	N: 454696.07 E: 507939.96	
TN087	Owl box with chicks, heard during one of the evening bat survey visits.	N: 454659.73 E: 507996.75	




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN088	<p>Broadleaved plantation woodland (JNCC: A1.1.2) consisting of blackthorn, dogwood <i>Cornus spp.</i>, birch <i>Betula spp.</i>, oak, poplar, common hogweed, bramble, dog rose, elder, field maple, hawthorn, ash.</p> <p>Low suitability for roosting bats.</p>	<p>N: 454661.05 E: 508034.47</p>	
TN089	<p>Boundary formed of raised grass verge with bramble and nettle.</p>	<p>N: 454606.79 E: 507989.20</p>	
TN090	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.</p> <p>Hedge_H041</p>	<p>N: 454570.50 E: 508076.64</p>	
TN091	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn with scattered willow.</p> <p>Hedge_H042</p>	<p>N: 454497.19 E: 507574.73</p>	<p>No photograph available</p>

# Hornsea 4



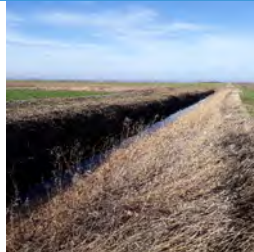
Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN092	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn shrubs scattered along river banks.  Hedge_H043	N: 454454.05 E: 507393.79	
TN093	Wide watercourse with sloping grassy banks, common reed, glyceria, occasional hawthorn. Approximately 15 m wide, slow flowing.  Moderate suitability for commuting and foraging bats.  Ditch_B19	N: 454404.93 E: 507422.66	
TN094	Wide watercourse with steep grassy banks, slow flowing, sandy/silty bed. Approximately 8 m wide, 0.5 m depth.  Ditch_B16	N: 454266.72 E: 507270.65	
TN095	Arable (JNCC: J1.1) – winter cover.	N: 454046.03 E: 507044.62	n/a

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN096	Dry watercourse with scattered hawthorn present.  Ditch_B78	N: 453735.49 E: 506891.46	
TN097	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, recently trimmed with large gaps.  Low suitability for commuting/foraging bats  Hedge_HO44	N: 453553.75 E: 506718.36	No photograph available
TN098	Arable (JNCC: J1.1) – winter cover.	N: 453519.80 E: 506701.29	n/a
TN099	Arable (JNCC: J1.1) – ploughed field.	N: 453493.29 E: 506838.73	n/a
TN100	Species poor defunct hedge (JNCC: J2.2.2) boundary formed of individual hawthorn.  Negligible suitability for commuting and foraging habitats.  Hedge_HO45	N: 453386.09 E: 506771.23	
TN101	Arable (JNCC: J1.1) – winter cover.	N: 453213.97 E: 506636.66	n/a



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN102	Wide watercourse (approximately 5 m), trapezoid cross section with steep, heavily vegetated, grassy banks. Evidence of slumping.  Ditch_B20	N: 452914.78 E: 506579.12	
TN103	Poor semi-improved grassland (JNCC: B6) grassland strip between river and arable fields, longer sward on river embankments with scrub vegetation present such as bramble, nettle and broad-leaved dock.	N: 452911.29 E: 506546.65	No photograph available
TN104	Wide, slow flowing chalk watercourse, approximately 20 m wide with reed beds on both banks. Scattered hawthorn present and grassy embankments. Anecdotal evidence of otter use.  High suitability for commuting and foraging bats.  Ditch_B21	N: 452892.11 E: 506623.42	
TN105	Watercourse approximately 2 m wide, heavily vegetated sloping banks, common reed, common hogweed, broad leaved dock and nettle.  Ditch_B22	N: 452893.56 E: 506672.44	 <a href="C:\Users\303934\Downloads\Photos\ID_74_attachment1.jpg">C:\Users\303934\Downloads\Photos\ID_74_attachment1.jpg</a>



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN106	Poor semi-improved grassland (JNCC: B6) mostly short sward, sections of scrub with teasel <i>Dipsacus fullonum</i> , thistle, hawthorn and bramble.	N: 452878.36 E: 506554.43	
TN107	Shed made from prefabricated steel, lots of gaps but potentially too hot/cold for roosting bats.  Negligible suitability for roosting bats.	N: 452875.73 E: 506542.55	
TN108	Arable (JNCC: J1.1) – winter cover.	N: 452537.42 E: 506494.08	n/a
TN109	Scrub (JNCC: A2.1) small area of scrub consisting of hawthorn, bramble and common hogweed.	N: 452071.60 E: 506250.71	No photograph available
TN110	Arable (JNCC: J1.1) – ploughed field	N: 452030.53 E: 506222.83	n/a
TN111	Scrub (JNCC: A2.1) Small area of scrub with hawthorn, bramble and common hogweed.	N: 452007.23 E: 506265.90	No photograph available
TN112	Dry watercourse with steep grassy banks 1-3 m wide, static 30 cm depth, water cress <i>Nasturtium officinale</i> present, common reed, occasional hawthorn, bramble.  Ditch_B23	N: 451990.93 E: 506244.12	

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Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN113	Species poor defunct hedge (JNCC: J2.2.2) consisting of scattered hawthorn and occasional elder.  Hedge_H046	N: 451935.06 E: 506304.72	No photograph available
TN114	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 451776.26 E: 506002.94	n/a
TN115	Watercourse with steep grassy banks, approximately 3-5 m wide and 0.5 m deep, sandy/silty bed, slow flow, no in channel vegetation.  Moderate potential for commuting and foraging bats  Ditch_B24	N: 451627.86 E: 506004.56	
TN116	Species rich hedge with trees (JNCC: J2.3.1) Mainly consisting of young goat willow, ash, bramble, hogweed, trees immature, some newly planted.  Low suitability for commuting and foraging bats.  Hedge_H047	N: 451624.81 E: 506008.14	
TN117	Watercourse with steep earth banks, recently cleared, 3 m wide, silty 30 cm water depth, slow flowing.  Ditch_B25	N: 451541.69 E: 505896.32	
TN118	Arable field (JNCC: J1.1) – part winter cover, part ploughed.	N: 451179.42 E: 505950.61	n/a




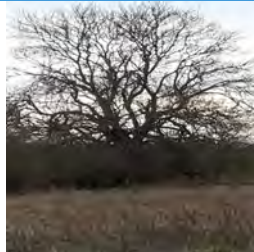

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN119	Arable field (JNCC: J1.1) – in crop but cut back.	N: 450859.24 E: 505607.01	n/a
TN120	Species rich hedge with trees (JNCC: J2.3.1) boundary formed of individual immature goat willow and ash with broad leaf dock, thistle and common hogweed.  Low suitability for commuting and foraging bats.  Hedge_H048	N: 450833.67 E: 505663.83	 <a href="C:\Users\303934\Downloads\Photos\ID_91_attachment1.jpg">C:\Users\303934\Downloads\Photos\ID_91_attachment1.jpg</a>
TN121	Arable field (JNCC: J1.1) – part cropped but also used for cattle grazing, electric fencing surrounding entire field.	N: 450750.56 E: 505560.70	n/a
TN122	Wide watercourse, approximately 5-10 m wide with steep grassy banks. Slow flowing approximately 0.5-1 m deep. Grass well established, some evidence of localised erosion. Bed consists of sand and silt, no in channel vegetation, occasional hawthorn on bank, common hogweed and cow parsley also present.  Moderate suitability for commuting and foraging bats.  Ditch_B26	N: 450642.37 E: 505526.39	
TN123	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, mostly standalone shrubs.  Hedge_H049	N: 450635.26 E: 505581.89	No photograph available
TN124	Arable field (JNCC: J1.1) – winter cover.	N: 450284.84 E: 505543.91	n/a





Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN125	Species poor defunct hedge (JNCC: J2.2.2) solely consisting of hawthorn.  Negligible suitability for commuting and foraging bats.  Hedge_H050	N: 450189.98 E: 505392.34	No photograph available
TN126	Species poor defunct hedge (JNCC: J2.2.2) solely consisting of hawthorn.  Negligible suitability for commuting and foraging bats.  Hedge_H051	N: 450027.91 E: 505364.69	n/a
TN127	Steep sided watercourse bordering arable field and roadside. Recently managed with low levels of water, no bankside or in channel vegetation present. Defunct hawthorn hedge at one end outside of survey area.  Ditch_B27	N: 449776.81 E: 505132.49	
TN128	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn with occasional elder. Recently flailed.  Hedge_H053	N: 449729.26 E: 505125.05	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN129	<p>Steep sided watercourse bordering arable field and roadside. Recently managed with low levels of water, no bankside or in channel vegetation present. Defunct hawthorn hedge at one end outside of survey area.</p> <p>Ditch_B28</p> <p>(This feature was originally identified as a unique feature. However, once ground-truthed was found to be the same feature as TN127. This TN number has been retained for completeness only.)</p>	<p>N: 449669.49 E: 505139.73</p>	
TN130	<p>Small section of watercourse within survey area, steep sided, recently managed with no bankside or in-channel vegetation.</p> <p>Ditch_B29</p>	<p>N: 449639.21 E: 504908.98</p>	
TN131	<p>Culverted to Ditch_B31. Heavily vegetated, steep banks with small broadleaved woodland at eastern end. Scattered hawthorn, common hogweed and nettle present.</p> <p>Ditch_B30</p>	<p>N: 449554.25 E: 504837.16</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN132	<p>Culverted to Ditch_B31. Heavily vegetated, steep banks with small broadleaved woodland at eastern end. Scattered hawthorn, common hogweed and nettle present.</p> <p>Ditch_B31.</p> <p>(This feature was originally identified as a unique feature. However, once ground-truthed was found to be the same feature as TN131. This TN number has been retained for completeness only.)</p>	<p>N: 449538.15 E: 504677.42</p>	
TN133	<p>Watercourse with steep, densely vegetated banks, bramble, common reed, broad leaved dock, defunct hawthorn hedge on one side, poor water quality, sandy silty bed, nearly dry.</p> <p>Ditch_B32</p>	<p>N: 448948.11 E: 504523.53</p>	
TN134	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, one young ash with negligible bat roost suitability. Large gaps with occasional hawthorn present.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H054</p>	<p>N: 448942.53 E: 504573.41</p>	
TN135	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.</p> <p>Hedge_H055</p>	<p>N: 448875.63 E: 504424.59</p>	No photograph available

# Hornsea 4




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN136	Poor semi-improved grassland (JNCC: B6) consisting of short sward grasses potentially used for grazing. White and red clover <i>Trifolium spp.</i> , thistle and dandelion <i>Taraxacum officinale</i> also present.	N: 448841.94 E: 504526.55	
TN137	Large, mature oak tree with limited visible PRFs.  Low suitability for roosting bats.	N: 448736.06 E: 504396.63	
TN138	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and one mature oak with negligible suitability for roosting bats.  Hedge_H056	N: 448726.79 E: 504395.26	No photograph available
TN139	Scrub (JNCC: A2.1) small area of scrub, grasses and bramble adjacent to turbine and dyke.	N: 448724.83 E: 504392.25	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN140	Wide watercourse with steep grassy banks, glyceria present, silty approximately 5 m wide.  Ditch_B33	N: 448711.42 E: 504539.86	
TN141	Boundary formed of scattered hawthorn with ash and willow along bank of watercourse.	N: 448499.79 E: 504165.93	
TN142	Watercourse with steep grassy banks, static flow with sandy bed, approximately 30 cm deep. No in-channel vegetation. Occasional bramble and hawthorn on one bank.  Ditch_B35	N: 448381.52 E: 504120.30	
TN143	Watercourse with steep grassy banks, static flow with a sand and silt bed. Outfalls of field drains present, no in channel vegetation.  Ditch_B36	N: 448388.54 E: 504007.57	

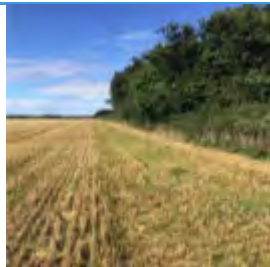

# Hornsea 4




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN144	<p>Species poor intact hedge (JCC: J2.1.2) consisting of hawthorn, bramble and blackthorn.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H058</p>	<p>N: 448389.08 E: 503992.44</p>	
TN145	<p>Watercourse with steep grassy banks adjacent to road, potential for runoff pollution. Static flow with silty present, approximately 15 cm deep. Common reed and bramble present.</p> <p>Ditch_B37</p>	<p>N: 448381.60 E: 503975.72</p>	
TN146	<p>Arable field (JNCC: J1.1) – ploughed field.</p>	<p>N: 448160.68 E: 503905.79</p>	n/a
TN147	<p>Watercourse with steep, heavily vegetated banks; reedmace, common reed, willowherb, bramble and common hogweed present.</p> <p>Ditch_B38</p>	<p>N: 448010.97 E: 503763.64</p>	


# Hornsea 4


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN148	Watercourse with steep, heavily vegetated banks, choked with vegetation. Reedmace <i>Typha latifolia</i> , common reed, willowherb, thistle and nettle present.  Ditch_B39	N: 447793.60 E: 503598.56	
TN149	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn.  Hedge_H059	N: 447711.98 E: 503502.75	No photograph available
TN150	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.  Hedge_H060	N: 447509.67 E: 503436.46	
TN151	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, hogweed, bramble, nettle, one young ash tree and a dry ditch.  Hedge_H061	N: 447580.99 E: 503116.46	



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN152	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.  Hedge_H063	N: 447470.58 E: 502923.37	
TN153	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.  Hedge_H062	N: 447605.38 E: 502815.17	
TN154	Scrub (JNCC: A2.1) along edges of railway embankment, consisting of hawthorn, blackthorn, bramble and nettle.	N: 447546.22 E: 502581.57	No photograph available
TN155	Species poor defunct hedge (JNCC: 2.2.2) consisting of hawthorn, bramble and nettle.  Hedge_H064	N: 447439.29 E: 502586.44	No photograph available
TN156	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn.  Hedge_H065	N: 447325.36 E: 502323.00	No photograph available




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN157	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn with one mature ash tree.  Hedge_H066	N: 447246.16 E: 502202.45	
TN158	Arable field (JNCC: J1.1.1) – grass crop /pasture (mown, short sward)	N: 447208.79 E: 502273.82	n/a
TN159	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, blackthorn, elder, ash, bramble and nettle.  Hedge_H067	N: 447043.43 E: 502135.25	
TN160	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, blackthorn, elder, bramble and nettle.  Hedge_H068	N: 447020.66 E: 502015.20	No photograph available
TN161	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.  Hedge_H069	N: 446790.00 E: 501674.36	
TN162	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn and ash.	N: 446773.89 E: 501684.79	No photograph available



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN163	<p>Hedge_H070</p> <p>Vertical, sandy banks, fast flowing shallow water. Alder, common hogweed, willowherb, bramble and nettle present.</p> <p>Ditch_B40</p>	<p>N: 446214.41</p> <p>E: 501068.58</p>	
TN164	<p>Scrub (JNCC: A2.1) consisting of dense bramble and nettle with scattered mature oak and ash trees.</p> <p>One mature oak tree with moderate suitability for roosting bats.</p>	<p>N: 446198.09</p> <p>E: 501154.56</p>	No photograph available
TN165	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn.</p> <p>Hedge_H071</p>	<p>N: 446085.66</p> <p>E: 501045.69</p>	No photograph available
TN166	<p>Mature oak with visible cracks and splits.</p> <p>Moderate suitability for roosting bats</p>	<p>N: 445567</p> <p>E: 500545</p>	No photograph available



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN167	<p>Mixed plantation woodland (JNCC: A1.3.2) consisting of a mixture of pines, oak, sycamore, and ash trees. Undergrowth consisting of dense bramble in places.</p>	<p>N: 445472.02 E: 500648.72</p>	
TN168	<p>Group of young trees within survey buffer are mostly young with no visible PRFs.</p> <p>Low suitability for roosting bats. Moderate suitability for commuting/foraging bats</p>	<p>N: 445462.10 E: 500529.03</p>	<p>No photograph available</p>

# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN169	<p>Very shaded watercourse running through broadleaved woodland with limited food sources. No in-channel vegetation, bare earth banks. Hawthorn, oak, ash and bramble present.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Ditch_B41</p>	<p>N: 445468.64 E: 500455.65</p>	
TN170	<p>Mature oak tree with visible holes, situated adjacent to a stream, connected to woodland and scrub habitat.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 445451.12 E: 500410.48</p>	
TN171	<p>Scrub (JNCC: A2.1) consisting of dense bramble and hawthorn along stream banks with scattered trees.</p>	<p>N: 445425.17 E: 500372.29</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN172	Poor semi-improved grassland (JNCC: B6) with a small area of grassland adjacent to woodland and arable field. Relatively short sward, broad leaved dock and nettle present and small wet patches with <i>juncus spp.</i>	N: 445419.88 E: 500487.35	
TN173	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 445228.90 E: 500377.28	n/a
TN174	Small ephemeral pond, potentially flooded/fed from field drain, surrounded by young ash and oak trees.	N: 445115.21 E: 500247.76	
TN175	Watercourse with steep sides, some sections with in channel vegetation, water cress, stagnant water c 15 cm depth. Limited backside vegetation present as recently cleared, bramble, nettle, common hogweed and grasses present.  Ditch_B42	N: 445068.24 E: 500261.78	
TN176	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and ivy, recently trimmed.	N: 445044.82 E: 500264.25	No photograph available




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
	<p>Low suitability for commuting/foraging bats</p> <p>Hedge_H073</p>		
TN177	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 445017.50 E: 500229.57	n/a
TN178	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 444875.13 E: 500340.26	n/a
TN179	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, dog rose, red dead nettle, bramble and common hogweed. Recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H074</p>	N: 444800.89 E: 500331.13	
TN180	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 444749.59 E: 500243.79	n/a
TN181	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and bramble.</p> <p>Low suitability for commuting/foraging bats</p> <p>Hedge_H075</p>	N: 444615.52 E: 500292.63	No photograph available
TN182	<p>Semi-natural broadleaved woodland (JNCC: A1.1.1) Small patch of woodland consisting of hawthorn and sycamore, semi mature trees.</p> <p>Negligible bat roost suitability.</p>	N: 444645.81 E: 500411.76	


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN183	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 444574.39 E: 500294.40	n/a
TN184	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 444597.47 E: 500448.68	n/a
TN185	Species poor hedge with trees (JNCC: J2.3.2) consisting of oak, elderberry, hawthorn, bramble, recently trimmed.  Low suitability for commuting/foraging bats.  Hedge_H076	N: 444509.22 E: 500483.19	No photograph available
TN186	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 444310.62 E: 500370.88	n/a
TN187	Species poor hedge with trees (JNCC: J2.3.2) consisting of alder, blackthorn and willow. Trees all semi mature, some sections of hedge newly planted.  Negligible suitability for roosting bats.  Hedge_H077	N: 444093.42 E: 500471.50	
TN188	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and blackthorn with occasional hazel.  Hedge_H079	N: 443656.22 E: 500591.14	No photograph available
TN189	Semi-mature oak disconnected from wider habitat with no visible PRFs.  Negligible suitability for roosting bats.	N: 442563.51 E: 500322.40	


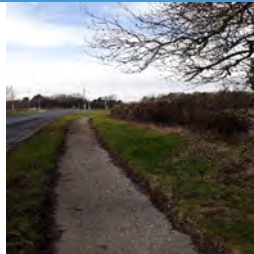



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN190	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and ivy. Recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H080</p>	<p>N: 442561.67 E: 500344.81</p>	
TN191	<p>Arable field (JNCC: J1.1) – winter cover.</p>	<p>N: 442496.38 E: 500411.44</p>	n/a
TN192	<p>Bridge with some ivy cover, no visible cracks or holes in the brickwork.</p> <p>Negligible suitability for roosting bats.</p>	<p>N: 442399.85 E: 500257.84</p>	
TN193	<p>Mature, ivy clad sycamore tree with no visible PRFs situated adjacent to road.</p> <p>Low suitability for roosting bats.</p>	<p>N: 442382.78 E: 500249.57</p>	
TN194	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, dog rose, common hogweed and bramble. Steep embankment to public right of way (PRoW).</p> <p>Hedge_H081</p>	<p>N: 442385.41 E: 500319.66</p>	


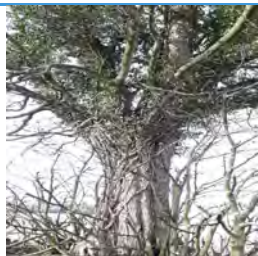

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN195	<p>Semi-natural broadleaved woodland (JNCC: A1.1.1) Scattered trees and scrub vegetation lining each side of footpath; hawthorn, sycamore, bramble and dog rose.</p> <p>Negligible suitability for roosting bats.</p> <p>Moderate suitability for commuting and foraging bats.</p>	<p>N: 442375.99 E: 500312.96</p>	
TN196	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.</p> <p>Low suitability for commuting/foraging bats</p> <p>Hedge_H082</p>	<p>N: 442384.38 E: 500393.02</p>	No photograph available
TN197	<p>Arable field (JNCC: J1.1) – in crop at the time of the survey.</p>	<p>N: 442373.83 E: 500396.56</p>	n/a
TN198	<p>Scrub (JNCC: A2.1) Patch of scrub adjacent to footpath and arable field, dense bramble throughout.</p>	<p>N: 442356.02 E: 500389.28</p>	
TN199	<p>Semi-natural broadleaved woodland (JNCC: A1.1.1)</p>	<p>N: 442359.02 E: 500357.98</p>	No photograph available
TN200	<p>Small copse of trees, some ivy clad, adjacent to road and arable field, limited PRFs visible from ground.</p> <p>Low suitability for roosting bats.</p>	<p>N: 442333.31 E: 500235.49</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN201	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 442182.64 E: 500251.75	n/a
TN202	Steep sided, sluggish watercourse, banks recently cleared. Bare earth on lower banks and bed, no in channel vegetation, bed sandy and gravel, low water level approximately 5-10 cm. no evidence of pollution water clear, field drain outfalls present.  Ditch_B43	N: 442027.70 E: 500291.55	
TN203	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and ivy, recently trimmed.  Hedge_H083	N: 441989.20 E: 500146.61	No photograph available
TN204	Small group of young and semi mature trees, no visible bat PRFs, disconnected from wider habitat.  Negligible suitability for roosting bats.	N: 441927.04 E: 500190.88	
TN205	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H084	N: 441699.29 E: 500409.75	
TN206	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 441691.86 E: 500398.54	n/a




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN207	<p>Row of young cherry trees lining road.</p> <p>Low suitability for commuting and foraging bats.</p>	<p>N: 441516.76</p> <p>E: 500658.74</p>	
TN208	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn. Recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H085</p>	<p>N: 441462.59</p> <p>E: 500580.11</p>	
TN209	<p>Arable field (JNCC: J1.1) – winter cover at the time of the survey.</p>	<p>N: 441364.55</p> <p>E: 500727.18</p>	n/a
TN210	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn. Recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H086</p>	<p>N: 441195.58</p> <p>E: 500626.21</p>	
TN211	<p>Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn. Recently trimmed.</p>	<p>N: 440318.55</p> <p>E: 500318.50</p>	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
	<p>Low suitability for commuting and foraging bats</p> <p>Hedge_H087</p>		
TN212	<p>Arable field (JNCC: J1.1) – winter cover at the time of the survey.</p>	<p>N: 440176.32 E: 500329.65</p>	n/a
TN213	<p>Arable field (JNCC: J1.1) – in crop at the time of the survey.</p>	<p>N: 439795.84 E: 500418.93</p>	n/a
TN214	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, fenced, recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H091</p>	<p>N: 439623.71 E: 500326.57</p>	
TN215	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.</p> <p>Low suitability for commuting and foraging bats as adjacent to busy road.</p> <p>Hedge_H089</p>	<p>N: 439665.74 E: 500376.12</p>	
TN216	<p>Mature oak tree adjacent to busy road with limited PRFs.</p> <p>Low suitability for roosting bats.</p>	<p>N: 439677.40 E: 500425.81</p>	

# Hornsea 4




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN217	<p>Large mature ivy clad oak tree with multiple cracks and holes, adjacent to busy road.</p> <p>Low suitability for roosting bats.</p>	<p>N: 439656.29 E: 500421.58</p>	
TN218	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of young trees lining public footpath and road.</p> <p>Negligible suitability for roosting bats.</p> <p>Negligible suitability for commuting and foraging bats.</p> <p>Hedge_H088</p>	<p>N: 439692.72 E: 500462.61</p>	<p>No photograph available</p>
TN219	<p>Mature oak tree adjacent to busy road, limited visible PRFs.</p> <p>Low suitability for roosting bats.</p>	<p>N: 439695.81 E: 500472.56</p>	
TN220	<p>Large mature oak, limited PRFs visible.</p> <p>Low suitability for roosting bats.</p>	<p>N: 439670.85 E: 500464.17</p>	




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN221	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of sections of newly planted hawthorn, blackthorn and bird cherry.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H090</p>	<p>N: 439669.71 E: 500483.39</p>	
TN222	<p>Two large mature oak trees with limited visible PRFs.</p> <p>Low suitability for roosting bats.</p>	<p>N: 439675.66 E: 500498.09</p>	
TN223	<p>Arable field (JNCC: J1.1) – winter cover at the time of the survey.</p>	<p>N: 439644.69 E: 500539.32</p>	<p>n/a.</p>
TN224	<p>Large pile of vegetated woody debris, within hedge with wide grassy margins. Reptile hibernation feature connected to suitable reptile foraging habitat.</p>	<p>N: 439488.97 E: 500456.88</p>	




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN225	Scrub (JNCC: A2.1) - dense scrub with hawthorn, bramble, nettle and common hogweed.	N: 439488.77 E: 500469.70	
TN226	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn.  Moderate suitability for commuting and foraging bats.  Hedge_H092	N: 439440.52 E: 500586.50	No photograph available
TN227	Arable field (JNCC: J1.1) – winter cover.	N: 439026.92 E: 500650.39	n/a
TN228	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, adjacent to tree lined, steep scrub embankment.  Low suitability for commuting and foraging bats.  Hedge_H094	N: 438907.16 E: 500575.41	
TN229	Arable field (JNCC: J1.1) – winter cover.	N: 438884.03 E: 500534.70	n/a
TN230	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, fenced, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H093	N: 438877.51 E: 500629.23	




# Hornsea 4





Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN231	Scrub (JNCC: A2.1) - scrub and tree lined steep embankment adjacent to road consisting of hawthorn, pines and oak.	N: 438663.01 E: 500689.10	No photograph available
TN232	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H095	N: 438555.36 E: 500650.78	
TN233	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H096	N: 438541.82 E: 500645.04	
TN234	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 438392.02 E: 500704.17	n/a
TN235	Dry ditch (JNCC: J2.6).  Ditch_B77	N: 438253.243588 E: 500753.081228	




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN236	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H098	N: 438258.37 E: 500808.20	
TN237	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H097	N: 438272.74 E: 500885.59	
TN238	Scrub (JNCC: A2.1) - scrub and tree lined steep embankment adjacent to road consisting of hawthorn, pines and oak.	N: 438276.73 E: 500891.57	No photograph available
TN239	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 438112.23 E: 500771.04	n/a
TN240	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H099	N: 437978.77 E: 500752.93	

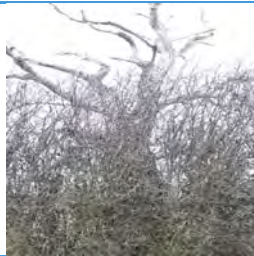

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN241	<p>Broad-leaved plantation woodland (JNCC: A1.1.2) consisting of mostly young oak and hazel, fenced.</p> <p>Negligible suitability for roosting bats.</p>	<p>N: 437985.44 E: 500896.48</p>	
TN242	<p>Poor semi-improved grassland (JNCC: B6) consisting of short sward grasses and limited herb species, potentially used for grazing, fenced.</p>	<p>N: 437930.68 E: 500914.87</p>	
TN243	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, blackthorn and willow. Ivy, nettle and bramble also present, situated adjacent to plantation woodland. Fenced.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H100</p>	<p>N: 437827.46 E: 500918.67</p>	
TN244	<p>Arable field (JNCC: J1.1) – winter cover at the time of the survey.</p>	<p>N: 437802.29 E: 500814.76</p>	n/a
TN245	<p>Broad-leaved plantation woodland (JNCC: A1.1.2) consisting of mostly semi mature and young trees.</p> <p>Negligible suitability for roosting bats.</p>	<p>N: 437797.01 E: 500942.99</p>	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN246	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and ivy, recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H101</p>	<p>N: 437634.28 E: 500885.54</p>	
TN247	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, bramble and dog rose, fenced.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H102</p>	<p>N: 437619.23 E: 500895.18</p>	
TN248	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, oak and ivy, fenced.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H103</p>	<p>N: 437478.69 E: 500998.89</p>	No photograph available
TN249	<p>Arable field (JNCC: J1.1) – in crop at the time of the survey.</p>	<p>N: 437410.10 E: 500915.94</p>	n/a.
TN250	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, oak, bramble, thistle, broad leaved dock, common hogweed, nettle and ivy. Fenced.</p> <p>Negligible suitability for roosting bats. Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H104</p>	<p>N: 437316.28 E: 500994.36</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN251	<p>Steep sided watercourse with low levels of running water. Heavily vegetated banks, tree lined, dense bramble in sections, difficult to access.</p> <p>Ditch_B44</p>	<p>N: 437314.57 E: 501005.22</p>	
TN252	<p>Semi-natural broadleaved woodland (JNCC: A1.1.1) consisting mainly of oak trees, mostly open scrub within EP1HS survey buffer, i.e. not within the Hornsea Four Order Limits.</p>	<p>N: 437350.78 E: 501077.12</p>	
TN253	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and bramble, some sections newly planted, recently trimmed.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H105</p>	<p>N: 437060.06 E: 501108.81</p>	
TN254	<p>Arable field (JNCC: J1.1) – in crop at the time of the survey.</p>	<p>N: 437039.83 E: 501101.44</p>	n/a.
TN255	<p>Arable field (JNCC: J1.1) – winter cover at the time of the survey.</p>	<p>N: 437055.50 E: 501217.25</p>	n/a.

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN256	Semi-natural broadleaved woodland (JNCC: A1.1.1) consisting mainly of oak with scattered pine, bramble and nettle.  Negligible suitability for roosting bats.	N: 436787.05 E: 501309.94	
TN257	Large mature oak with no visible cracks or holes.  Negligible suitability for roosting bats.	N: 436790.00 E: 501250.49	
TN258	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, hazel, bramble, nettle and broad-leaved dock.  Moderate suitability for commuting and foraging bats.  Hedge_H107	N: 436779.96 E: 501219.01	
TN259	Species poor intact hedge (JNCC: J2.1.2) consisting of mainly hawthorn with bramble and nettle, some sections newly planted.  Moderate suitability for commuting and foraging bats.  Hedge_H106	N: 436776.36 E: 501185.83	
TN260	Gas pipeline.	N: 436752.379904 E: 501177.689213	No photograph available




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN261	Arable field (JNCC: J1.1) – in crop at the time of the survey.	N: 436640.56 E: 501171.05	n/a
TN262	Species rich hedge with trees (JNCC: J2.3.1) consisting of hawthorn, willow, hazel, ash and oak trees. Connected to woodland.  Moderate suitability for commuting and foraging bats.  Hedge_H108	N: 436572.37 E: 501108.48	
TN263	Mature oak tree in hedge with visible cracks and holes.  Moderate suitability for roosting bats.	N: 436561.45 E: 501161.62	
TN264	Mature oak tree in hedge with splits and cracks.  Moderate suitability for roosting bats.	N: 436563.27 E: 501235.26	No photograph available
TN265	Mature oak tree with split limbs, in hedge connected to woodland.  Moderate suitability for roosting bats.	N: 436541.82 E: 501070.03	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN266	<p>Dead ash tree in hedge, limited PRFs visible from ground.</p> <p>Low suitability for roosting bats.</p>	<p>N: 436478.77 E: 501041.19</p>	
TN267	<p>Species rich hedge with trees (JNCC: J2.3.1) consisting of hazel, bramble, blackthorn, ivy and elm.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H109</p>	<p>N: 436413.61 E: 501031.84</p>	No photograph available
TN268	<p>Arable field (JNCC: J1.1) – in crop at the time of the survey.</p>	<p>N: 436446.42 E: 501165.50</p>	n/a
TN269	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of mainly hawthorn with some hazel, recently trimmed, connected to woodland.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H110</p>	<p>N: 436335.92 E: 501253.37</p>	










Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN270	<p>Species rich hedge with trees (JNCC: J2.3.1) consisting of hazel, hawthorn, willow, ivy, bramble and field maple trees. Rubbish present in sections with road layby.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H111</p>	<p>N: 436123.23 E: 501244.18</p>	
TN271	<p>Arable field (JNCC: J1.1) – ploughed field at the time of the survey.</p>	<p>N: 436110.07 E: 501321.32</p>	n/a
TN272	<p>Semi-natural broadleaved woodland (JNCC: A1.1.1) consisting of ash, oak, hawthorn and bramble.</p>	<p>N: 436067.98 E: 501402.85</p>	
TN273	<p>Large mature oak tree on edge of woodland, relic ivy branches and lots of visible cracks, holes and dead/broken limbs.</p> <p>High suitability for roosting bats.</p>	<p>N: 436026.08 E: 501380.24</p>	

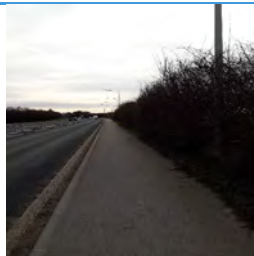


# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN274	<p>Large mature ivy clad oak tree within hedge, close to woodland.</p> <p>High suitability for roosting bats.</p>	<p>N: 435994.38 E: 501276.64</p>	
TN275	<p>Three semi mature oak trees adjacent to hedge.</p> <p>Negligible suitability for roosting bats.</p>	<p>N: 435872.43 E: 501302.18</p>	No photograph available
TN276	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and ivy, recently trimmed.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H112</p>	<p>N: 435799.22 E: 501348.55</p>	
TN277	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of mostly hawthorn, large sections newly planted (approximately 1-2 seasons growth).</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H113</p>	<p>N: 435800.99 E: 501462.05</p>	
TN278	<p>Arable field (JNCC: J1.1) – winter cover at the time of the survey.</p>	<p>N: 435721.16 E: 501526.13</p>	n/a

# Hornsea 4


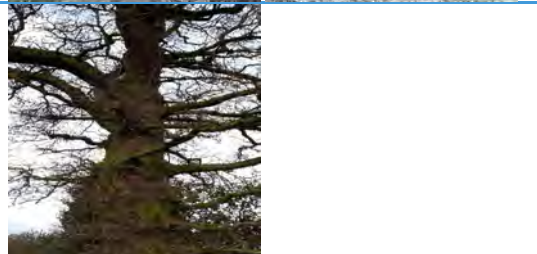


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN279	Two dead ash trees with large holes and crevices visible.  Moderate suitability for roosting bats.	N: 435614.93 E: 501503.51	
TN280	Watercourse approximately 1 m wide with sloping banks consisting of grasses. Algae present, silty/sandy bed, woody debris, stagnant water c20 cm deep, no in channel vegetation. Potentially dry over summer months.  Ditch_B45	N: 435625.76 E: 501560.16	
TN281	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and a single mature oak tree. Hedge recently trimmed.  Low suitability for commuting and foraging bats.  Hedge_H114	N: 435622.98 E: 501559.67	
TN282	Mature oak tree, ivy clad, limited PRFs visible.  Low suitability for roosting bats.	N: 435633.33 E: 501593.26	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN283	Poor semi-improved grassland (JNCC: B6) - small area of grassland within arable field, with section of tall ruderal vegetation adjacent to PRow, broad leaved dock dominant.	N: 435584.49 E: 501498.07	
TN284	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 435482.39 E: 501627.98	n/a
TN285	Semi-natural broadleaved woodland (JNCC: A1.1.1) - small area of woodland with mostly young oak and ash, signs of fly tipping and beehives (x2).	N: 435550.00 E: 501759.85	
TN286	Species poor defunct hedge (JNCC: J2.2.2) consisting of hawthorn, ash, ivy, bramble, large gaps in places.  Low suitability for commuting and foraging bats.  Hedge_H116	N: 435473.37 E: 501779.68	
TN287	Species rich intact hedge (JNCC: J2.1.1) consisting of hawthorn, bramble, hazel, blackthorn, holly and gorse.  Low suitability for commuting and foraging bats.  Hedge_H115	N: 435464.02 E: 501763.77	No photograph available
TN288	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 435473.89 E: 501983.01	n/a

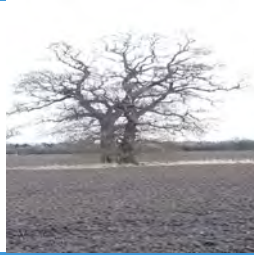


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN289	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, situated adjacent to major road.  Negligible suitability for commuting and foraging bats.  Hedge_H117	N: 435438.56 E: 502157.78	
TN290	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and bramble, adjacent to busy road.  Low suitability for commuting and foraging bats.  Hedge_H118	N: 435408.15 E: 502164.32	
TN291	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.  Moderate suitability for commuting and foraging bats.  Hedge_H119	N: 435151.09 E: 502295.88	
TN292	Arable field (JNCC: J1.1) – in crop at the time of the survey.	N: 435134.76 E: 502293.52	n/a
TN293	Semi-natural broadleaved woodland (JNCC: A1.1.1) consisting of hawthorn, field maple, oak, ash, bramble and ivy. Public footpath runs through the middle of this area.  Moderate suitability for commuting and foraging bats.	N: 435239.47 E: 502395.32	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN294	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H120</p>	<p>N: 435156.43 E: 502448.17</p>	
TN295	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn with some ivy, recently trimmed.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H121</p>	<p>N: 435019.59 E: 502320.92</p>	
TN296	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H122</p>	<p>N: 434987.82 E: 502483.01</p>	No photograph available
TN297	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, recently trimmed.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H123</p>	<p>N: 434922.89 E: 502541.73</p>	

# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail	
TN298	Scrub (JNCC: A2.1) – consisting of hawthorn and blackthorn, dense bramble, nettle, broad leaved dock and thistle. Fenced.	N: 434878.84 E: 502383.64		
TN299	Mature oak tree with no visible cracks and holes.  Low suitability for roosting bats.	N: 434856.44 E: 502454.06		
TN300	Two oak trees with limited visible PRFs.  Low suitability for roosting bats.	N: 434794.38 E: 502458.16		
TN301	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, oak and bramble with some small gaps.  Moderate suitability for commuting and foraging bats.  Hedge_H124	N: 434762.27 E: 502465.76		



# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN302	<p>Two mature oak trees that are isolated from wider habitat as situated in middle of field.</p> <p>Low suitability for roosting bats.</p>	<p>N: 434756.37 E: 502557.06</p>	
TN303	<p>Arable field (JNCC: J1.1) – ploughed field at the time of the survey.</p>	<p>N: 434759.43 E: 502621.54</p>	n/a
TN304	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of oak, crab apple and bramble, large gaps.</p> <p>Negligible suitability for roosting bats.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H125</p>	<p>N: 434829.06 E: 502702.87</p>	
TN305	<p>Oak tree with large holes due to broken limbs, holes look to have smaller cavities further in.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 434719.85 E: 502705.57</p>	



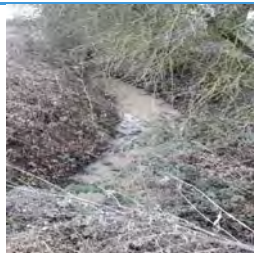

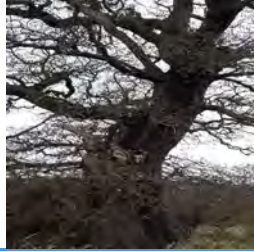
# Hornsea 4



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN306	<p>Species rich hedge with trees (JNCC: J2.3.1) consisting of hawthorn, ash, ivy, willow, hazel, bramble, nettle and holly.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H126</p>	<p>N: 434657.83 E: 503034.70</p>	
TN307	<p>Soil heaps, woody debris and domestic waste piles.</p>	<p>N: 434656.60 E: 503075.35</p>	No photograph available
TN308	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of oak, ash, hawthorn, blackthorn, bramble. Some large gaps.</p> <p>Negligible suitability for roosting bats. Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H127</p>	<p>N: 434807.85 E: 503052.46</p>	
TN309	<p>Semi dry ditch, with no bankside or in channel vegetation. Some silty standing water in places.</p> <p>Ditch_B60</p>	<p>N: 434811.66 E: 503053.02</p>	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN310	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 435029.85 E: 502967.20	n/a.
TN311	Gas pipeline.	N: 435049.29 E: 502988.41	No photograph available
TN312	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, ash, oak and bramble.  Moderate suitability for commuting and foraging bats.  Hedge_H128	N: 435052.97 E: 502987.88	No photograph available
TN313	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 435101.50 E: 503110.89	n/a
TN314	Mature, partly ivy clad, oak tree with splits and cracks.  Moderate suitability for roosting bats.	N: 435089.59 E: 503161.66	
TN315	Mature oak tree with splits and cracks.  Moderate suitability for roosting bats.	N: 435123.43 E: 503264.75	

# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN316	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn and oak. Fenced in places with some gaps and sections of just bramble.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H131</p>	<p>N: 435167.69 E: 503278.48</p>	
TN317	<p>Semi-natural broadleaved woodland (JNCC: A1.1.1) – small patch of woodland, mostly open scrub with scattered mature trees, one dead, adjacent to ditch and arable fields. Thistle, broad leaved dock, bramble, hawthorn, nettle and oak present.</p>	<p>N: 435131.95 E: 503291.63</p>	
TN318	<p>Dead oak tree with split limbs and visible cracks.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 435143.51 E: 503302.66</p>	
TN319	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn and oak.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H129</p>	<p>N: 435157.91 E: 503301.00</p>	No photograph available


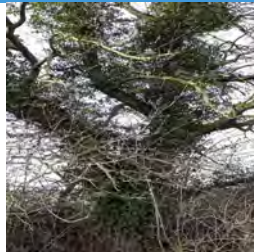

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN320	Watercourse with steep banks, silted, no in channel vegetation.  Ditch_B59	N: 435148.30 E: 503308.81	
TN321	Mature oak tree with visible cracks and splits.  Moderate suitability for roosting bats.	N: 435147.10 E: 503327.62	
TN322	Mature oak tree with visible splits and cracks.  Moderate suitability for roosting bats.	N: 435152.37 E: 503350.95	
TN323	Large mature oak tree with visible cracks and holes set within hedge.  Moderate suitability for roosting bats.	N: 435181.00 E: 503465.17	
TN324	Arable field (JNCC: J1.1) – ploughed field at the time of the survey.	N: 435702.71 E: 503459.86	n/a

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN325	Three semi mature oak trees adjacent to hedge.  Negligible suitability for roosting bats.	N: 436031.84 E: 503524.31	No photograph available
TN326	Arable field (JNCC: J1.1) – winter cover at the time of the survey.	N: 436157.43 E: 503535.94	n/a
TN327	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn and elder.  Hedge_H135	N: 436311.12 E: 503459.84	
TN328	Arable field (JNCC: J1.1) – in crop at the time of the survey.	N: 436411.30 E: 503153.01	n/a
TN329	Scrub (JNCC: A2.1) with small open areas of rank grassland. Nettle, bramble, thistle, white clover present. Reptile mats (which are not part of Hornsea Four) also present during survey.	N: 436490.87 E: 503160.95	

# Hornsea 4







Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN330	<p>Watercourse with vertical banks, recently cleared, suspended sediments, no in channel veg, silty/sandy bed, slow flowing, 30 cm deep.</p> <p>Ditch_B58</p>	<p>N: 435314.48 E: 503646.23</p>	
TN331	<p>Pond (pond reference A63).</p>	<p>N: 435289.25 E: 503660.60</p>	
TN332	<p>Scrub (JNCC: A2.1) - small patch of scrub with scattered semi-mature trees adjacent to arable fields and PRow.</p> <p>Negligible suitability for roosting bats Moderate suitability for commuting and foraging bats.</p>	<p>N: 435285.68 E: 503662.87</p>	

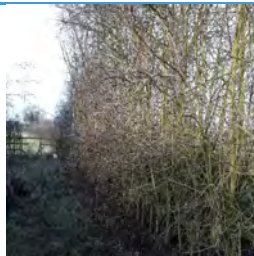


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN333	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, ivy and bramble.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H134</p>	<p>N: 435307.41 E: 503705.06</p>	
TN334	<p>Semi dry pond (pond reference A64) with bulrush present.</p>	<p>N: 435277.17 E: 503701.50</p>	No photograph available
TN335	<p>Mature oak tree within scrub adjacent to stream, ivy clad with broken branches.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 435252.27 E: 503716.22</p>	
TN336	<p>Oak tree with peeling bark, limited spaces for bat access.</p> <p>Low suitability for roosting bats.</p>	<p>N: 435200.43 E: 503745.70</p>	
TN337	<p>Arable field (JNCC: J1.1) – ploughed field at the time of survey.</p>	<p>N: 435329.30 E: 503868.67</p>	n/a




Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN338	<p>Group of mature and semi mature trees within scrub, one mature oak tree with moderate bat roost potential.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 435283.70 E: 503895.50</p>	
TN339	<p>Scrub (JNCC: A2.1) - area of scrub between arable fields, mainly bramble, common hogweed, nettle, cleavers and several ivy clad trees.</p>	<p>N: 435265.35 E: 503942.04</p>	
TN340	<p>Arable field (JNCC: J1.1) – ploughed field at the of survey.</p>	<p>N: 435329.69 E: 504010.31</p>	<p>n/a</p>






# Hornsea 4



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN341	Dry ditch (JNCC: J2.6).  Ditch_B74	N: 435248.87 E: 504042.84	
TN342	Arable field (JNCC: J1.1) – ploughed field at the time of survey.	N: 435201.09 E: 504183.00	n/a
TN343	Dry ditch (JNCC: J2.6) – stagnant water in places.  Ditch_B57	N: 435140.98 E: 504049.89	
TN344	Species poor hedge with trees (JNCC: J2.3.2) consisting of hawthorn, oak, bramble and willow.  Moderate suitability for commuting and foraging bats.  Hedge_H136	N: 435138.71 E: 504042.83	
TN345	Improved grassland (JNCC: B4) – horses present.	N: 435067.90 E: 504233.97	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN346	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, nettle, bramble, common hogweed and thistle. Fenced, rabbit holes present.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H137</p>	<p>N: 435017.74 E: 504260.63</p>	
TN347	<p>Arable field (JNCC: J1.1) – ploughed field at the time of survey.</p>	<p>N: 434965.75 E: 503322.54</p>	n/a
TN348	<p>Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, holly, ivy, elderberry and bramble.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H130</p>	<p>N: 434804.67 E: 503386.21</p>	
TN349	<p>Watercourse with steep banks, low water levels and no in channel vegetation. Slow flowing, silted water. Bankside vegetation consisting of bramble, nettle and broad-leaved dock.</p> <p>Ditch_B61</p>	<p>N: 434639.57 E: 503441.57</p>	
TN350	<p>Arable field (JNCC: J1.1) – ploughed field at the time of survey.</p>	<p>N: 434737.56 E: 503559.37</p>	n/a

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN351	<p>Barns adjacent to house, some with tiled roofs with potentially accessible areas.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 434985.01 E: 503576.90</p>	
TN352	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of elderberry, blackthorn, ivy, oak, bramble, hogweed, nettle and cow parsley.</p> <p>Moderate suitability for commuting and foraging bats.</p> <p>Hedge_H132</p>	<p>N: 435107.74 E: 503654.50</p>	
TN353	<p>Mature, ivy clad oak tree in hedge, limited view from ground however some cracks present.</p> <p>Moderate suitability for roosting bats.</p>	<p>N: 435057.40 E: 503600.19</p>	
TN354	<p>Pond (pond reference – A71).</p>	<p>N: 434959.01 E: 503608.39</p>	No photograph available
TN355	<p>Improved grassland (JNCC: B4) - house, gardens and paddocks, used for grazing, electric fences and livestock shelters present.</p>	<p>N: 434922.48 E: 503641.36</p>	No photograph available



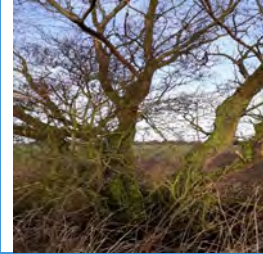
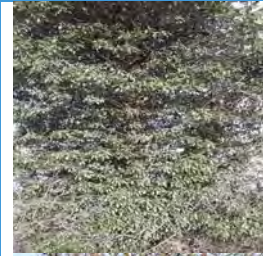


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN356	Group of six mature oak trees, smooth bark, limited PRFs.  Low suitability for roosting bats.	N: 434820.61 E: 503636.28	
TN357	Watercourse with steep banks and low levels of water, overgrown with dense bramble.  Ditch_B62	N: 434696.58 E: 503656.05	
TN358	Dry ditch (JNCC: J2.6).  Ditch_B75	N: 434678.12 E: 503797.11	
TN359	Arable field (JNCC: J1.1) – ploughed field at the time of survey.	N: 434749.89 E: 503768.62	n/a
TN360	Scrub (JNCC: A2.1) – scrub with scattered trees, negligible bat roost throughout, several passerine bird calls heard (carrion crow).	N: 434812.89 E: 503787.17	

# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN361	Small section of scrub with tree stumps present for potential reptile hibernacula and pond (pond A72).	N: 434818.97 E: 503793.46	No photograph available
TN362	Pond (pond reference – A72).	N: 434810.58 E: 503800.01	
TN363	<p>Three mature trees (oak and ash) in hedgerow, ivy clad, some PRFs visible.</p> <p>Moderate suitability for roosting bats.</p>	N: 434847.70 E: 503809.08	

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN364	<p>Species poor hedge with trees (JNCC: J2.3.2) consisting of blackthorn, hawthorn, holly and oak, defunct in places.</p> <p>Low suitability for commuting and foraging bats.</p> <p>Hedge_H133</p>	<p>N: 434866.40 E: 503848.95</p>	
TN365	<p>Watercourse with steep banks, slow flowing with no in channel vegetation and low water levels, silted.</p> <p>Ditch_B63</p>	<p>N: 434872.58 E: 503862.77</p>	
TN366	<p>Arable field (JNCC: J1.1) – in crop at the time of survey.</p>	<p>N: 434805.55 E: 503941.62</p>	n/a
TN367	<p>Arable field (JNCC: J1.1) – winter cover at the time of survey.</p>	<p>N: 435033.19 E: 503877.47</p>	n/a
TN368	<p>Dead oak tree with multiple cracks, holes and dead branches.</p> <p>High suitability for roosting bats.</p>	<p>N: 434967.72 E: 504168.26</p>	

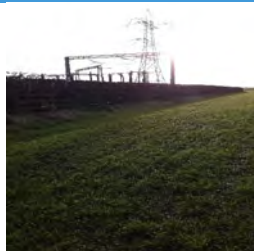


# Hornsea 4

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail	
TN369	<p>Two ivy clad field maple trees with limited visible PRFs. Opportunistic roosting potential only.</p> <p>Low suitability for roosting bats.</p>	<p>N: 434949.70 E: 504166.90</p>		
TN370	<p>Willow tree with no visible PRFs.</p> <p>Negligible suitability for roosting bats.</p>	<p>N: 434946.82 E: 504162.47</p>		
TN371	<p>Mature, ivy clad sycamore tree with limited visible PRFs. Opportunistic potential only.</p> <p>Low suitability for roosting bats.</p>	<p>N: 434911.63 E: 504123.27</p>	 	




# Hornsea 4


Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN372	Scrub (JNCC: A2.1) – small area of scrub between hedge, arable field and substation, includes access road for existing substation.	N: 434958.46 E: 504331.02	
TN373	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, fenced.  Moderate suitability for commuting and foraging bats.  Hedge_H138	N: 434960.70 E: 504301.79	
TN374	Arable field (JNCC: J1.1) – winter cover at the time of survey.	N: 434886.70 E: 504210.96	n/a
TN375	Narrow watercourse between arable fields with low water levels and steep grassy banks. Partly overgrown with bramble and common hogweed, duckweed present. Rubbish present in places.  Ditch_B64	N: 434795.72 E: 504161.89	



Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN376	Arable field (JNCC: J1.1) – in crop at the time of survey.	N: 434734.68 E: 504201.07	n/a
TN377	Arable field (JNCC: J1.1) – winter cover at the time of survey.	N: 434808.30 E: 504296.08	n/a
TN378	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn, fenced.  Low suitability for commuting and foraging bats.  Hedge_H139	N: 434864.46 E: 504371.07	
TN379	Species poor hedge with trees (JNCC: J2.3.2) largely defunct hedge consisting of hawthorn, field maple and ash trees.  Hedge_H1140	N: 434672.16 E: 504535.03	
TN380	Scrub (JNCC: A2.1) adjacent to woodland and Creyke Beck power station. Hawthorn, bramble and nettle present.	N: 434972.27 E: 504651.86	
TN381	Group of semi-mature and mature trees, consisting of oak and ash trees.  One mature oak tree with moderate suitability for roosting bats	N: 434897 E: 504672	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN382	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and blackthorn.  Hedge_H018	N: 456664.98 E: 512746.71	No photograph available
TN383	Dry ditch (JNCC: J2.6)  Ditch_B86	N:456269.50 E: 510644.74	No photograph available
TN384	Dry ditch (JNCC: J2.6)  Ditch_B87	N:446950.66 E: 501856.44	No photograph available
TN386	Species poor intact hedge (JNCC: J2.1.2)  Hedge_H147	N: 445896.24 E: 500786.15	No photograph available
TN387	Species poor intact hedge (JNCC: J2.1.2)  Hedge_H148	N: 441158.65 E: 500623.89	No photograph available
TN388	Species poor intact hedge (JNCC: J2.1.2)  Hedge_H149	N: 440867.42 E: 500599.60	No photograph available
TN389	Species poor intact hedge (JNCC: J2.1.2)  Hedge_H150	N: 440754.31 E: 500628.71	No photograph available
TN390	Species poor intact hedge (JNCC: J2.1.2)  Hedge_H151	N: 440478.34 E: 500276.45	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN391	Narrow ditch, v shaped, low water levels, steep banks, bed vegetated with bramble, hogweed, potentially dry in summer months.  Ditch_B49	N: 435632.09 E: 503337.38	
TN392	Arable field (JNCC: J1.1) – winter cover at the time of survey.	N: 435405.35 E: 503273.20	n/a
TN393	Mature oak with dead limbs and plenty of cracks and holes visible  Moderate suitability for roosting bats	N: 435319.13 E: 503308.56	
TN394	Large mature oak with limited bat roost potential, no visible cracks or holes.  Low suitability for roosting bats	N: 435246.99 E: 503242.29	
TN395	gas pipeline	N: 435178.41 E: 503269.94	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN396	Mixed plantation woodland (JNCC: A1.3.2) consisting of sycamore, sweet chestnut, oak and pine. Limited undergrowth, leaf litter, bramble and pheasant feeders present.	N: 435607.02 E: 503301.65	
TN397	Mostly dry ditch with patches of standing water. Common reed, nettle, bramble, common hogweed, reed canary grass  Ditch_B03	N: 460872.53 E: 516616.97	No photograph available
TN398	Dry ditch (JNCC: J2.6)  Ditch_B65	N: 434721.67 E: 504327.29	No photograph available
TN399	Dry ditch (JNCC: J2.6)  Ditch_B66	N: 434635.95 E: 504449.53	No photograph available
TN400	Dry ditch (JNCC: J2.6)  Ditch_B67	N: 434605.79 E: 504490.28	No photograph available
TN401	Dry ditch (JNCC: J2.6)  Ditch_B69	N: 434697.08 E: 504683.31	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN402	Dry ditch (JNCC: J2.6) Ditch_B70	N: 434830.43 E: 504687.54	No photograph available
TN403	Dry ditch (JNCC: J2.6) Ditch_B71	N: 434888.52 E: 504694.23	No photograph available
TN404	Dry ditch (JNCC: J2.6) Ditch_B76	N: 435027.91 E: 502994.39	No photograph available
TN405	Dry ditch (JNCC: J2.6) Ditch_B79	N: 458817.26 E: 514720.99	No photograph available
TN406	Dry ditch (JNCC: J2.6) Ditch_B80	N: 455196.88 E: 508357.92	No photograph available
TN407	Dry ditch (JNCC: J2.6) Ditch_B81	N: 447177.53 E: 502235.84	No photograph available
TN408	Dry ditch (JNCC: J2.6) Ditch_B82	N: 447238.53 E: 502163.59	No photograph available
TN409	Dry ditch (JNCC: J2.6) Ditch_B83	N: 445940.86 E: 501061.30	No photograph available
TN410	Dry ditch (JNCC: J2.6) Ditch_B84	N: 442936.11 E: 500284.10	No photograph available
TN411	Dry ditch (JNCC: J2.6) Ditch_B85	N: 456625.14 E: 512739.14	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
TN412	Dry ditch (JNCC: J2.6) Ditch_B88	N: 456533.17 E: 512005.17	No photograph available
TN413	Dry ditch (JNCC: J2.6) Ditch_B89	N: 459329.54 E: 514934.67	No photograph available
TN414	Dry ditch (JNCC: J2.6) Ditch_B90	N: 456556.28 E: 511634.46	No photograph available
TN415	Dry ditch (JNCC: J2.6) Ditch_B91	N: 456572.41 E: 511415.31	No photograph available
TN416	Dry ditch (JNCC: J2.6) Ditch_B92	N: 447500.87 E: 503131.47	No photograph available
TN417	Species poor defunct hedge (JNCC: 2.1.2), mostly standalone shrubs of hawthorn with scattered scrub. Hedge_H052	N: 449853.70 E: 505137.80	No photograph available
TN418	Species poor intact hedge (JNCC: J2.1.2) consisting of hawthorn and blackthorn with occasional hazel Hedge_H078	N: 443817.61 E: 500512.82	No photograph available
TN419	Species poor intact hedge (JNCC: J2.1.2) with some sections newly planted, hawthorn, blackthorn, bird cherry Hedge_H091	N: 439628.96 E: 500375.48	No photograph available
TN420	Lapsed hedge, predominantly Ash with Hawthorn, Elder, Rose, Some gaps. No visible defects	N: 446754.25 E: 501363.11	No photograph available

Target Note (TN) Reference	Description	British National Grid Coordinates	Photograph Thumbnail
	Hedge_H142		
TN421	Species poor defunct hedge (JNCC: 2.2.2)	N: 446714.03 E: 501447.78	No photograph available
	Hedge_H144		
TN422	Species poor defunct hedge (JNCC: 2.2.2) consisting of Ash, hawthorn, elder, elm and rose.	N: 446619.84 E: 501477.41	No photograph available
	Hedge_H145		
TN423	Species poor defunct hedge (JNCC: 2.2.2) consisting of hawthorn.	N: 446641.01 E: 501518.68	No photograph available
	Hedge_H146		
TN424	Standing water (JNCC: G1)	N: 459028.03 E: 514609.80	No photograph available
	Ditch_BO6		
TN425	Dry ditch (JNCC: J2.6)	N: 448677.55 E: 504299.62	No photograph available
	Ditch_B34		
TN426	Dry ditch (JNCC: J2.6)	N: 436163.05 E: 503599.78	No photograph available
	Ditch_B55		
TN427	Dry ditch (JNCC: J2.6)	N: 435330.70 E: 503915.93	No photograph available
	Ditch_B56		

## 2 References

Institute of Environmental Assessment (1995). *Guidelines for Baseline Ecological Assessment*.

Joint Nature Conservation Committee (JNCC) (2010) Handbook for Phase 1 habitat survey: A technique for environmental audit.

Orsted (2018). Hornsea Four Environmental Impact Assessment: Scoping Report (EN010098-000021-EN010098)



## Appendix A 2021 Survey Addendum



# Hornsea Project Four: Environmental Statement (ES)

## Volume A6, Annex 3.2: Extended Phase 1 Target Note Tables – 2021 Survey Addendum

**Prepared** Royal HaskoningDHV, July 2021  
**Checked** Royal HaskoningDHV, July 2021  
**Accepted** Thomas Watts, Orsted, August 2021  
**Approved** Julian Carolan, Orsted, September 2021

A6.3.2 Addendum  
Version A

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## Glossary

Term	Definition
Birds of Conservation Concern (BoCC) 'Red List'	The 'red list' includes birds of the highest conservation concern in the UK, Channel Islands and Isle of Man needing urgent action.
Commitment	<p>A term used interchangeably with mitigation and enhancement measures. The purpose of Commitments is to reduce and/or eliminate Likely Significant Effects (LSEs), in EIA terms.</p> <p>Primary (Design) or Tertiary (Inherent) are both embedded within the assessment at the relevant point in the EIA (e.g. at Scoping, Preliminary Environmental Information Report (PEIR) or ES).</p> <p>Secondary commitments are incorporated to reduce LSE to environmentally acceptable levels following initial assessment i.e. so that residual effects are acceptable.</p>
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for one or more National Significant Infrastructure Projects (NSIP).
Energy balancing infrastructure (EBI)	The onshore substation includes energy balancing Infrastructure. These provide valuable services to the electrical grid, such as storing energy to meet periods of peak demand and improving overall reliability.
Environmental Statement (ES)	A document reporting the findings of the EIA and produced in accordance with the EIA Directive as transposed into UK law by the EIA Regulations
Export Cable Corridor (ECC)	The specific corridor of seabed (seaward of Mean High-Water Springs (MHWS)) and land (landward of MHWS) from the Hornsea Project Four array area to the Creyke Beck National Grid substation, within which the export cables will be located.
Hornsea Project Four Offshore Wind Farm	The term covers all elements of the project (i.e. both the offshore and onshore). Hornsea Four infrastructure will include offshore generating stations (wind turbines), electrical export cables to landfall, and connection to the electricity transmission network. Hereafter referred to as Hornsea Four.
High Voltage Alternating Current (HVAC)	High voltage alternating current is the bulk transmission of electricity by alternating current (AC), whereby the flow of electric charge periodically reverses direction.
Landfall	The generic term applied to the entire landfall area between Mean Low Water Spring (MLWS) tide and the Transition Joint Bay (TJB) inclusive of all construction works, including the offshore and onshore ECC, intertidal working area and landfall compound. Where the offshore cables come ashore east of Fraisthorpe.
National Grid Electricity Transmission (NGET) substation	The grid connection location for Hornsea Four at Creyke Beck.
Onshore substation (OnSS)	Comprises a compound containing the electrical components for transforming the power supplied from Hornsea Project Four to 400 kV and to adjust the power quality and power factor, as required to meet the UK Grid

Term	Definition
	Code for supply to the National Grid. If a HVDC system is used the OnSS will also house equipment to convert the power from HVDC to HVAC.
Order Limits	The limits within which Hornsea Project Four (the 'authorised project') may be carried out.
Orsted Hornsea Project Four Ltd.	The Applicant for the proposed Hornsea Project Four Offshore Wind Farm Development Consent Order (DCO).
Potential Roost Feature (PRF)	Potential bat roosts which can include visible cracks, holes, gaps or splits that allow access for roosting bats.

## Acronyms

Acronym	Definition
EPIHS	Extended Phase 1 Habitat Survey
HVAC	High Voltage Direct Current
HVDC	High Voltage Alternating Current
JNCC	Joint Nature Conservation Committee
MLWS	Mean Low Water Springs
OnSS	Onshore Substation
OS	Ordnance Survey
PRF	Potential Roost Feature
PRoW	Public Right of Way
RSPB	Royal Society for the Protection of Birds
TN	Target Note

## Units



Unit	Definition
ha	hectare
km	kilometre
kV	kilovolt
m	metre

## 1 Introduction



- 1.1.1.1 Orsted Hornsea Project Four Limited (the 'Applicant') is proposing to develop the Hornsea Project Four Offshore Wind Farm (hereafter 'Hornsea Four'). Hornsea Four will be located approximately 69 km offshore the East Riding of Yorkshire in the Southern North Sea and will be the fourth project to be developed in the former Hornsea Zone. Hornsea Four will include both offshore and onshore infrastructure including an offshore generating station (wind farm), export cables to landfall, and on to an onshore substation (OnSS) with energy balancing infrastructure (EBI), and connection to the electricity transmission network.
- 1.1.1.2 Royal HaskoningDHV was commissioned to undertake an updated Extended Phase 1 Habitat Survey (EP1HS) within and up to 50 m from the onshore Hornsea Four Order Limits. To inform the Scoping stages of the project, an initial habitat assessment was conducted, comprising a desktop review of high-resolution aerial imagery obtained in July 2018, followed by a ground-truthing exercise. This is reported in the Hornsea Four Scoping Report (Orsted 2018).
- 1.1.1.3 An Extended Phase 1 Habitat Survey (EP1HS) was undertaken between 6<sup>th</sup> and 15<sup>th</sup> February 2019 and between the 4<sup>th</sup> and 13<sup>th</sup> September 2019 to record the habitats within the Hornsea Four EP1HS survey area and to identify the presence or likely presence of legally protected and notable species. The findings of this survey are provided in [Annex 3.1: Extended Phase 1 Habitat Survey Report](#) and [Annex 3.2: Extended Phase 1 Target Note Tables](#).
- 1.1.1.4 Due to refinements of the onshore Hornsea Four Order Limits since the 2019 EP1HS survey, in combination with landowner access not being granted for 5 % of the Hornsea Four Order Limits in 2019, a further EP1HS of these areas was undertaken in June 2021. Ongoing consultation with landowners has been undertaken by The Applicant's land agents and consequently access to those areas previously unsurveyed in 2019 was granted in June 2021. This addendum has been produced to present the findings from the 2021 survey effort and should be read in conjunction with [Annex 3.1: Extended Phase 1 Habitat Survey Report](#) and [Annex 3.2: Extended Phase 1 Target Note Tables](#).
- 1.1.1.5 This addendum, in combination with [Annex 3.1: Extended Phase 1 Habitat Survey Report](#) and [Annex 3.2: Extended Phase 1 Target Note Tables](#), have been produced to update the habitat information following the scoping stage survey and to characterise the baseline environment and identify the requirement for Phase 2 species-specific surveys to inform and support the ecological impact assessment in [Volume A3, Chapter 3: Ecology and Nature Conservation](#) of the Hornsea Four Environmental Statement (ES).
- 1.1.1.6 Due to the amount of data collated during the Hornsea Four EP1HS, the technical report has been split into two parts:
- [Annex 3.1: Extended Phase 1 Habitat Survey Report 2021 Addendum](#) – outlines the methodology, survey results, conclusions and mitigation; and
  - [Annex 3.2: Extended Phase 1 Target Note Tables 2021 Addendum](#) (this document) –presents the target notes table.

- 1.1.1.7 The 2021 survey addendum has also been split into two parts to accompany the respective technical annexes listed above. Consequently, **Table 1** below should be read in conjunction with **Annex 3.1: Extended Phase 1 Habitat Survey Report – 2021 Survey Addendum** as well as **Figure 2** to **Figure 5** within the aforementioned report. All photographs were taken with an iPad 8-megapixel camera ( $f/2.4$  aperture).


Table 1: 2021 Hornsea Four Updated EP1HS Target Notes (TNs).

Target Note (TN) Reference	Description	Photograph Thumbnail
TN433	Badger field sign – one sett entrance with potential mammal pathway	
TN434	Badger field sign – potential mammal pathway into adjacent hedgerow	





Target Note (TN) Reference	Description	Photograph Thumbnail
TN435	Badger field sign – evidence of recent excavation	
TN436	Badger field sign – evidence of recent excavation but not a confirmed sett entrance as it does not extend below ground level.	



# Hornsea 4

Target Note (TN) Reference	Description	Photograph Thumbnail
TN437	Three sett entrances (outliers) with one spoil pile and the remaining two entrances at ground level with exposed tunnels evident. No evidence (e.g. footprints, discarded bedding, latrines) noted to confirm current use by badgers.	



# Hornsea 4



Target Note (TN) Reference	Description	Photograph Thumbnail
		
TN438	Disused barn building currently used by a breeding pair of barn owls.	

# Hornsea 4



Target Note (TN) Reference	Description	Photograph Thumbnail
TN439	Species-poor hedgerow (hawthorn)	
TN440	Species-poor hedgerow (hawthorn) adjacent to arable field	

# Hornsea 4



Target Note (TN) Reference	Description	Photograph Thumbnail
TN441	Arable field	
TN442	Species-poor hedgerow (hawthorn)	

Target Note (TN) Reference	Description	Photograph Thumbnail
TN443	Species-poor hedgerow (hawthorn)	
TN444	Area of scrub and semi-natural broadleaved woodland adjacent to cycle way and footpath	

# Hornsea 4

Target Note (TN) Reference	Description	Photograph Thumbnail
TN445	Area of scrub and tall ruderals adjacent to cycle way and public footpath	
TN446	Stand of scrub and tall ruderals adjacent to cycle way and public footpath	

# Hornsea 4

Target Note (TN) Reference	Description	Photograph Thumbnail
TN447	Area of dense scrub	
TN448	Cycle way and public footpath with adjacent areas of tall ruderals and scrub	



## 2 References

Institute of Environmental Assessment (1995). *Guidelines for Baseline Ecological Assessment*.

Joint Nature Conservation Committee (JNCC) (2010) Handbook for Phase 1 habitat survey: A technique for environmental audit.

Orsted (2018). Hornsea Four Environmental Impact Assessment: Scoping Report (EN010098-000021-EN010098)