

# H2Teesside Project

## Environmental Statement

Volume III – Appendices

Appendix 13A: Ornithology Baseline Report (Redacted)

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The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (as amended)

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(a) and 5(2)(l)



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## 13A.0 ORNITHOLOGY BASELINE REPORT

### 13A.1 Introduction

13A.1.1 This report provides the ornithology baseline gathered to date for the Proposed Development in support of Chapter 13: Ornithology of the Environmental Statement (ES Volume I, EN070009/APP/6.2). The baseline presented herein forms the basis for the assessment of potential impacts of the Proposed Development on ornithological features within the Ornithology Chapter.

13A.1.2 The data presented have been gathered over a series of preliminary (Stage 1) surveys carried out between January and March (inclusive) 2022 and a desk study carried out in June 2022, to inform the Proposed Development preliminary design and site selection process. In September 2022, the surveys were resumed with an increased spatial scope to reflect the scale of the updated Proposed Development design and to provide coverage of breeding and passage periods for birds<sup>1</sup>. Surveys and further desk study activities to gather baseline data have been ongoing since that time and will continue through to at least March 2024. This is discussed further in Section 13A.2. The baseline presented here is based on the desk study and the field surveys undertaken between January 2022 and December 2023 (inclusive).

13.1.1 This legislation, planning policy and guidance that is of relevance to the assessment of ornithological effects is identified and described in Section 13.2 Legislation, Planning Policy Context and Other Guidance of Chapter 13: Ornithology of the Environmental Statement (ES Volume I, EN070009/APP/6.2).

#### Background to the Proposed Development

13A.1.3 For details regarding the Proposed Development, refer to Chapter 4: Proposed Development (ES Volume I, EN070009/APP/6.2). The Proposed Development location and Proposed Development Layout is shown in summary form in Figure 13A-1.

#### Purpose

13A.1.4 This appendix describes the approach and findings of the ornithology baseline data gathering undertaken for the Proposed Development.

13A.1.5 The objectives of this ornithology baseline report are to:

- outline the legislative protection given to birds;
- provide information on any statutory or non-statutory designated sites of relevance to birds within the Study Area<sup>2</sup>;

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<sup>1</sup> Bird behaviours can be divided into broad seasons termed “breeding” (to cover the reproductive periods for the majority of species) and “non-breeding”. The latter season can be further divided into “wintering” (during which time birds have settled into areas where they spend the winter feeding) and “passage” (when migratory birds migrate between breeding and wintering grounds).

<sup>2</sup> The maximum size of the Study Area across which a combination of third-party data and first-hand survey data has been compiled, is defined in Chapter 13 of the ES (ES Volume I, EN070009/APP/6.2). The Study and Survey Area are described in more detail in Section 13A.3 of this report.

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- summarise the findings of key third party records the bird surveys undertaken to inform the Ecological Impact Assessment (EclA);
- identify the breeding and non-breeding bird assemblages the key locations for ornithology receptors within the Study Area; and,
- identify and evaluate the relevant ornithology features that occur within the Study Area.

## 13A.2 Methods and Data Sources

### Desk Study

- 13A.2.1 A desk study was undertaken to identify ecological designations specifically for their ornithological interest, as well as contemporary records of protected and notable species of potential relevance to the Proposed Development and locations of ornithological interest or sensitivity (such as habitats regularly used by roosting birds for which designated sites are notified). A summary of the data sources, study areas and data requested / received is provided in Table 13A-1. Desk Study areas are shown in Figure 13A-2, except where these are stated as being “data specific”, in which case the data received, and their spatial context are described in Section 13A.4 (Results) and associated annexes to this report.
- 13A.2.2 A partial data set was acquired from the British Trust for Ornithology (BTO) Wetland Birds Survey (WeBS)<sup>3</sup> in December 2023 to reflect the spatial extent of the Proposed Development in its early design phase. These were updated with further data for count sectors relevant to the frozen design of the Proposed Development in December 2023 and the combined data sets are presented in this report.
- 13A.2.3 In addition to the area-specific requests for data set out in Table 13A-1, Natural England were consulted on the scope of the initial surveys and assessment, at which time they agreed to supply survey data for Seal Sands Bay (see Table 13A-1).
- 13A.2.4 Sharing of baseline data between the Proposed Development and Net Zero Teesside (NZN) was approved by the Applicant. Relevant baseline gathered for the NZN project (bp, 2021) is included herein and is reported as first-hand (rather than third party) data in Section 13A.4. The NZN data includes locations at which breeding bird surveys were undertaken and breeding bird assemblages were identified, as well as species-specific records that are not currently provided by the data gathered specifically for the Proposed Development. The NZN breeding bird survey locations are shown in Figure 13A-3.

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<sup>3</sup> The Wetland Bird Survey (WeBS) is the long-term monitoring scheme for non-breeding waterbirds in the UK, which aims to provide the principal data for the conservation of their populations and wetland habitats. WeBS is a partnership between the British Trust for Ornithology, the Royal Society for the Protection of Birds and the Joint Nature Conservation Committee (the last on behalf of Natural England, Natural Resources Wales, Scottish Natural Heritage and the Department of the Environment, Northern Ireland) in association with the Wildfowl and Wetlands Trust. Core counts are synchronised monthly counts undertaken at wetlands throughout the UK.

Table 13A-1: Desk Study Sources and Study Areas

DATA SOURCE	STUDY AREA <sup>4</sup>	ACCESSED / DATA RECEIVED	DATA OBTAINED
Environmental Records Information Centre (ERIC) North-East	Up to 2 km	August 2021, updated September 2022	Species records, non-statutory site locations, and interest features / reasons for designation.
Industry Nature Conservation Association (INCA)	Data specific	March 2022	Species records, roost, and breeding site locations for several species.
Multi Agency Geographic Information for the Countryside (MAGIC)	Up to 15 km	November 2022	Statutory designated site locations (2 km for local statutory designations).
Joint Nature Conservation Committee (JNCC) website	Up to 15 km	November 2022	Reasons for designation and other information on international statutory designated sites.
Natural England Designated Sites View website	Up to 15 km	November 2022	Reasons for designation and other information on national and local statutory designated sites.
Environment Agency	Greatham Creek and Greenabella Marsh	January 2024	Detailed breeding and non-breeding bird survey data from between July 2021 and July 2022.
NZT baseline reports and ES Ornithology Baseline Report (bp, 2021)	Data Specific	May 2023	Species records including breeding and non-breeding birds, gathered between 2018 and 2022.
Natural England	Seal Sands Bay	September 2023	Monthly low tide wetland bird counts between 1993 and 2023.
British Trust for Ornithology (BTO) Wetland Birds Survey (WeBS) (Austin et al, 2023)	Data specific	May 2022, updated December 2023	Detailed high and low tide count data for wetland birds occurring within selected wetland habitat count areas across Teesside.
Cleveland Bird Report 2021 (Brown, 2022)	Cleveland	November 2023	Species records from across Cleveland.

<sup>4</sup> Distance from the Proposed Development Boundary



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## Field Survey

### Wetland Bird Counts

- 13A.2.5 Proposed Development design up to and including February 2022 included multiple potential sites for the Hydrogen generation plant (herein termed the “main site”), including locations north and south of the River Tees. Ongoing development design identified a single option for the main site within South Tees Development Corporation (STDC) to the south of the River Tees, plus a network of connections across terrestrial habitats either side of the River Tees. Two broad survey areas (termed “The Foundry” and “Seal Sands” were initially identified to enable baseline data to be collected relevant to all potential locations for the main site, and these were carried forward and expanded to address the developing design iterations that ultimately included the main site within STDC and the connection corridors on both sides of the River Tees. In September 2022 a third broad survey area termed “North Tees Marshes” was added to accommodate the larger spatial extent of the Proposed Development. In summary, the three broad survey areas were:
- the Foundry<sup>5</sup>, which covers the land proposed for the Main Site and its environs east of the River Tees. The terms “the Foundry” and “Main Site” are interchangeable in this report;
  - Seal Sands, which covers some of the Connection Corridors west of the River Tees but east of the A178; and
  - North Tees Marshes (NTM), which covers the remainder of the Connection Corridors west of the River Tees and the A178.
- 13A.2.6 Surveys up to and including February 2022 included up to two high tide and two low tide bird counts in each of January, February, and March 2022 within The Foundry and Seal Sands survey areas to inform early design iterations of the Proposed Development. Survey effort was limited by land access in January 2022 such that only one high and low tide survey was achieved in The Foundry survey area, and no surveys were possible in the Seal Sands Survey area.
- 13A.2.7 Surveys were suspended while the red line boundary was further refined. Surveys were resumed, and the NTM survey area added, in September 2022 with monthly low tide and high tide bird counts carried out across each broad area. Surveys will continue up to March 2024 (inclusive) at locations where limited land access had prevented surveys previously. The post-December 2023 (January to March 2024) survey findings will be presented in an addendum to the ES. Assessments presented in Chapter 13: Ornithology (ES Volume I, EN070009/APP/6.2) have assumed worst-case outcomes at any locations where surveys are still ongoing, including Greenabella Marsh, Greatham Creek North Bank, Navigator Terminals foreshore and Dabholm Gut.

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<sup>5</sup> The term “The Foundry” originated during the conception of surveys during the early design phase of the Proposed Development and has been carried through to this report for the sake of maintaining a consistent term of reference to the survey data. “The Foundry” is analogous to the “Main Site”, which is referred to throughout the ES.

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13A.2.8 The survey areas are described in greater detail in Paragraphs 13A.3.10 to 13A.3.11. A summary of the wetland bird survey scope completed is provided in Table 13A-2. Survey metadata are provided in Annex A.

Table 13A-2: Summary of Wetland Bird Surveys Completed

NB: HT = High Tide, LT = Low Tide<sup>6</sup>

SITE <sup>7</sup>	POSITION IN LANDSCAPE	JAN 2022	FEB 2022	MAR 2022	SEPT 2022	OCT 2022	NOV 2022	DEC 2022	JAN 2023	FEB 2023	MAR 2023
The Foundry	Coastal	1 HT 1 LT	2 HT 2 LT	2 HT 2 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT
Seal Sands	Coastal	No surveys	2 HT 2 LT	2 HT 2 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT
North Tees Marshes	Inland	No surveys	No surveys	No surveys	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT

Continued on next page (April 2023 – December 2023).

<sup>6</sup> A single survey was, in most cases, completed over 2 to 3 days due to the size of the survey area and the short survey window of 4 hours.

<sup>7</sup> Survey effort within The Foundry and Seal Sands survey areas was limited by land access in January 2022. North Tees Marshes survey area was not established until September 2022.

SITE	POSITION IN LANDSCAPE	APR 2023	MAY 2023	JUN 2023	JUL 2023	AUG 2023	SEP 2023	OCT 2023	NOV 2023	DEC 2023
The Foundry	Coastal	1 HT 1 LT	2 HT 2 LT	2 HT 2 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT
Seal Sands	Coastal	No surveys	2 HT 2 LT	2 HT 2 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT
North Tees Marshes	Inland	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	1 HT 1 LT	No surveys	No surveys	No surveys

13A.2.9 The surveys follow the general principles of a British Trust for Ornithology (BTO) Wetland Birds Survey (WeBS). The survey areas were divided into count sectors based on consideration of the following factors such that all habitat suitable for water birds typically within a 500 m radius from the Proposed Development with adjustments made to address design changes and species specific habitat requirements where possible and appropriate to do so, and for which third party data were insufficient to inform the assessment in Chapter 13 of the ES (ES Volume I, EN070009/APP/6.2):

- distribution of habitats and the known habitat requirements of birds within the different genera and taxonomic families likely to be encountered within the survey areas;
- contingency for a broader layout of the evolving project design to encompass proposed infrastructure locations;
- the availability of suitable locations from which adequate visual coverage of habitats could be achieved;
- the presence of geographical and habitat features that might provide markers by which the surveyor could judge the location of birds and to aid with navigation around the survey area;
- the minimisation of risks to health and safety (primarily of the surveyor); and
- the availability of land access.

13A.2.10 These areas were extended in some cases to include habitats beyond 500 m where it was anticipated, based on habitat type and connectivity, that these were likely to have some functional importance and continuity with habitats used by wetland birds within 500 m of the Proposed Development Site, and that were within an area that could reasonably be included on each survey and that was readily accessible.

13A.2.11 The count sectors are shown in Figures 13A-4a (The Foundry), 13A-4b (Seal Sands) and 13A-4c (North Tees Marshes). Following the first survey in January 2022, the following changes were made to the sectors:

- figure 13A-4a: Sectors 3, 4, 5, 5a and 19 were removed from the Foundry survey area due to a combination of disturbance levels, and topographical and habitat conditions unsuitable for wetland birds. Sector 17 was never surveyed as it could not be accessed, although it was retained as a potential count sector for the duration of the surveys;
- figure 13A-4b: Sectors 1, 3, 10 to 12, 14 to 16 and B25 were removed from the Seal Sands survey scope due to habitat conditions unsuitable for wetland birds and consistent lack of access to this land;
- Figure 13A-4b: an additional sector (18a) was added to the eastern end of the Seal Sands survey area, to separate out the spit of land and the habitats within it (which include saltmarsh and saline lagoon) from the open intertidal habitats of the wider Seal Sands Bay;



- Figure 13A-4b: sectors 22 and 23 (and their respective sub-sectors) were added to the Seal Sands survey area to obtain better coverage of the shallow pools and marshy habitats of Greenabella Marsh to the west of Seal Sands Bay;
- Figure 13A-4b: sector 24 Saltholme Pool East was included in May 2023 to reflect the proximity to the revised Proposed Development layout.
- Figure 13A-4b: a further sector (25) was added to the Seal Sands survey area in March 2023, to help address a data gap that had arisen from ongoing difficulties with gaining access to survey the intertidal habitats immediately adjacent to Navigator Terminal on the west bank of the River Tees, which is an area referred to herein as “Vopak Foreshore”; and
- Figure 13A-4c: sectors B20, B21 and B24 (Figure 13A-4c) were removed from the west side of North Tees Marshes in December 2022 to reflect the increased distance of these areas from the revised Proposed Development layout.

13A.2.12 The following birds, which include (but are not limited to) all species that are reasons for the notification of the various coastal statutory designated sites within the maximum Study Area defined in Table 13A-3 (Section 13A.4) were recorded during the counts, where observed:

- cormorants and shags;
- waders;
- terns, skuas, auks and gulls;
- sawbills;
- grebes;
- divers;
- herons;
- wildfowl (including all ducks, geese, and swans); and
- kingfisher (*Alcedo atthis*).

13A.2.13 Surveys followed the standard WeBS protocol, involving the systematic counting of all water birds within each sector. Survey times, weather conditions, visibility and sources of disturbance were recorded for each count sector on each survey and are included in Annex A. Surveys were carried out as much as possible within two hours either side of the high or low tide (depending on the survey), however this period was extended where necessary to permit the coverage of all parts of the survey areas, considering the short daylengths during January and February and the tide times.

13A.2.14 Additional to the standard systematic bird counts, bird behaviours were also recorded using behaviour codes (roosting, preening, feeding, loafing). Where conditions of access, visibility, and time available for completion of surveys allowed, any locations where birds were found to be congregating in large tight or sedentary flocks, especially feeding areas and roosts, were recorded. The purpose of this was

to provide spatial context to the count data such that habitats / locations regularly used by target species could be identified.

### Breeding Birds

13A.2.15 Surveys of breeding terrestrial birds were undertaken at locations of suitable semi-natural habitat within locations of proposed permanent infrastructure, site storage areas, temporary construction compounds and locations of potentially significant temporary habitat loss or disturbance (where these were known in the lead in to the breeding bird season), following the CBC method described by Marchant (1983) and Gilbert et al, (1998). The following locations were surveyed (see Figure 13A-5):

- Cowpen Bewley Woodland;
- North Tees;
- Navigator Terminals;
- Foundry (West);
- Foundry (Centre);
- Foundry (East); and
- Wilton International.

13A.2.16 Survey metadata are included in Annex B.

### Limitations

13A.2.17 Species, particularly highly mobile ones such as birds, can be transient and their presence intermittent. Desk study data provide a snapshot of the presence of species rather than a comprehensive record of all the species that use the habitats within a study area. Furthermore, they are dependent on records being collected and submitted to the relevant records centre, rather than being collected systematically by means for a formal survey protocol carried out at regular intervals. Therefore, the absence of a species record cannot be interpreted as the absence of a species within a study area. Conversely, the effects of habitat and other environmental changes (such as climate change) and other factors acting that influence the distribution and numbers of a given species over time means that the absence of a species record cannot be taken to mean that the species is entirely absent from a study area.

13A.2.18 It is possible that the restrictions on travel imposed by national government to help stem the spread of Covid-19 in 2020 and 2021 could have reduced the number of records submitted to records centres nationwide during this period. Therefore, the number of third-party bird records for these two years may be lower than would otherwise be expected. However, there is no strong indication of this in any of the data received.

13A.2.19 Bird counts could not be carried out across all parts of the survey areas on all surveys due to conditions of restricted access and / or certain conditions imposed by landowners when accessing private land. These access restrictions delayed survey visits to Greenabella Marsh (Sector 22), Navigator Terminals foreshore

(Sector 25), Dabholm Gut (Sector 18) and Tank Farm (Sectors G13, G13a and B25). Survey visits to these three count sectors are scheduled to be completed by March 2024. This temporary information gap has been mitigated by a review of spatially relevant desk study data and the inclusion of survey data up to and including December 2023.

13A.2.20 Short daylengths prevented the complete coverage of survey areas during daylight hours on some of the surveys in January and February 2022. To mitigate the restrictions of short daylength, the survey window was extended slightly on some occasions beyond that of a standard WeBS count. Greenabella Marsh (Sectors 22 and 23 plus their respective subsectors within the Seal Sands survey area) was not surveyed on the low tide surveys of 9 and 22 March 2022, as to do so risked disturbance to potentially breeding avocet (*Recurvirostra avosetta*), which is a Schedule 1 bird under the WCA (HM Government, 1981) (as amended). These sectors were included in the final survey on 30 March 2022 as there were no indications of this species breeding there by this time. Bird counts in these areas have been further limited by heavily restricted land access between September 2022 and August 2023. The surveys in these sectors are ongoing and will continue until March 2024 (inclusive). Detailed third party data are available and have been used where first hand survey data are not yet available.

### 13A.3 Results

13A.3.1 The following sections describe the baseline ornithological conditions recorded to date within the Study and Survey Areas. Tabulated summary results identifying relevant ornithology features for inclusion in the assessments within the ES include a preliminary ecological value for each receptor (further detail around which is set out in Section 13.5 of Chapter 13: Ornithology (ES Volume I, EN070009/APP/6.2) to support a focused EclA Desk Study.

#### Designated Sites

13A.3.2 Table 13A-3 summarises the designated sites within the Study Area (see Table 13A-1 for the study areas applied to different designations) and their spatial relationship to the Proposed Development Site. The designated sites are shown on Figure 13A-6 (statutory sites) and Figure 13A-7 (non-statutory sites).

13A.3.3 There are three SPAs, two Ramsar sites, three Sites of Special Scientific Interest (SSSIs) and three National Nature Reserves (NNRs) within 15 km of the Proposed Development Site. There are four Local Nature Reserves (LNRs), 11 Local Wildlife Sites (LWS) and one Royal Society for the Protection of Birds (RSPB) Reserve within 2 km of the Proposed Development.

Table 13A-3: Designated Sites (notified for ornithological features) within the Study Area

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
Statutory				
Teesmouth and Cleveland Coast SPA	<p>Internationally important numbers of marine and shore birds, including:</p> <ul style="list-style-type: none"> <li>● avocet (Breeding);</li> <li>● knot (<i>Calidris canutus</i>) (Non-breeding);</li> <li>● ruff (<i>Calidris pugnax</i>) (Non-breeding);</li> <li>● redshank (<i>Tringa totanus</i>) (Non-breeding);</li> <li>● Sandwich tern (<i>Thalasseus sandvicensis</i>) (Non-breeding);</li> <li>● common tern (<i>Sterna hirundo</i>) (Breeding);</li> <li>● little tern (Breeding);</li> <li>● Waterbird assemblage of 26,014 individual waterfowl including shoveler (<i>Spatula clypeata</i>), gadwall (<i>Mareca strepera</i>), wigeon (<i>Mareca penelope</i>), lapwing (<i>Vanellus vanellus</i>), sanderling (<i>Calidris alba</i>), black-headed gull (<i>Chroicocephalus ridibundus</i>) and herring gull (<i>Larus argentatus</i>).</li> </ul>	International	Approximately 6 m north (at its closest point)	Overlapping

<sup>8</sup> The main site is identified separately from the wider footprint of the Proposed Development because it is the only part of the Proposed Development with the potential to affect ornithology features during operation.

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	In addition to breeding sites the SPA includes areas designated for marine foraging habitats for little tern and common tern that extend several kilometres out to sea and along the tidal River Tees; and terrestrial and intertidal foraging areas for avocet and ruff.			
North York Moors SPA	Designated for internationally important numbers of breeding birds including: <ul style="list-style-type: none"> <li>• golden plover (<i>Pluvialis apricaria</i>); and</li> <li>• merlin (<i>Falco columbarius</i>)</li> </ul>	International	12.1 km south	8 km south
Northumbria Coast SPA	Designated for internationally important numbers of marine and shorebirds including: <ul style="list-style-type: none"> <li>• turnstone (<i>Arenaria interpres</i>) (non-breeding);</li> <li>• purple sandpiper (<i>Calidris maritima</i>) (wintering);</li> <li>• little tern (breeding); and</li> <li>• Arctic tern (<i>Sterna paradisaea</i>) (breeding).</li> </ul>	International	13.7 km north	11.3 km north
Teesmouth and Cleveland Coast Ramsar site	The site qualifies as a Ramsar for the following reasons (Natural England, 2020): <ol style="list-style-type: none"> <li>Under Ramsar Criterion 5, as it is regularly used by over 20,000 waterbirds in any season</li> </ol>	International	Approximately 5 m north at closest point	Overlapping



DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	<ul style="list-style-type: none"> <li>• 26,786 waterfowl (5-year peak mean 2011/12 to 2015/16) during the wintering season.</li> </ul> <p>b) Under Criterion 6 as it is regularly used by 1% or more of the biogeographic populations of the following bird species:</p> <ul style="list-style-type: none"> <li>• Red Knot; 5,509 individuals representing an average of 1.6% of the NE Canada / Greenland / Iceland / UK population (5-year peak mean 1991/92 to 1995/96)</li> <li>• Common Redshank; 1,648 individuals representing an average of 1.1% of the East Atlantic population (1987 to 91)</li> <li>• Sandwich tern; 1,900 individuals representing an average of 4.3% of the GB population (1988 to 1992).</li> </ul>			
Northumbria Coast Ramsar	<p>The site qualifies as a Ramsar for the following Ramsar criteria (JNCC, 2000):</p> <p>Criterion 6 – Species / populations occurring at levels of international importance:</p> <p>Qualifying Species / populations (as identified at designation);</p> <p>Species with peak counts in winter;</p>	International	13.7 km north-west	11.3 km north-west

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	<ul style="list-style-type: none"> <li>purple sandpiper 787 individuals representing an average of 1.6% of the population (5-year peak mean for 1992/93 to 1996/97);</li> <li>turnstone 1,739 individuals representing an average of 2.6% of the population (5-year peak mean for 1992/93 to 1996/97);</li> <li>species with peak counts during the breeding season; and</li> <li>little tern 40 pairs representing an average of 1.7% of the GB population (5 year mean for 1993 to 1997).</li> </ul>			
Teesmouth and Cleveland Coast SSSI	<p>Nationally important features supported by a mosaic of coastal and freshwater habitats:</p> <ul style="list-style-type: none"> <li>over 20,000 non-breeding waterbirds;</li> <li>aggregations of breeding birds – avocet, common tern, little tern.</li> <li>aggregations of non-breeding birds – gadwall, knot, purple sandpiper, redshank, ringed plover (<i>Charadrius dubius</i>), ruff, sanderling, Sandwich tern, shelduck (<i>Tadorna tadorna</i>), shoveler; and,</li> </ul>	National	Immediately north	Overlapping

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	<ul style="list-style-type: none"> <li>assemblages of breeding birds - Mixed: sand-dunes and saltmarsh, lowland open waters, and their margins.</li> </ul>			
Durham Coast SSSI	Designated for: <ul style="list-style-type: none"> <li>aggregations of breeding birds – cormorant, fulmar (<i>Fulmarus glacialis</i>), kittiwake (<i>Rissa tridactyla</i>), little tern; and</li> <li>aggregations of non-breeding birds – purple sandpiper and sanderling.</li> </ul>	National	11.9 km north-west	9.9 km north-west
North York Moors SSSI	Designated for: <ul style="list-style-type: none"> <li>aggregations of breeding birds – golden plover and merlin.</li> </ul>	National	12.1 km south-east	8 km south-east
Teesmouth NNR	Designated for the following ornithological interest features: <ul style="list-style-type: none"> <li>&gt;20,000 waterbird assemblage;</li> <li>BAP breeding birds; waders, grey partridge, skylark (<i>Alauda arvensis</i>), linnet (<i>Linaria cannabina</i>), reed bunting (<i>Emberiza schoeniclus</i>);</li> <li>knot, redshank and shelduck (non-breeding);</li> <li>little tern (breeding);</li> <li>ringed plover (in spring); and,</li> </ul>	National	1.8 km west	30 m east

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	<ul style="list-style-type: none"> <li>sandwich tern (post-breeding).</li> </ul>			
Durham Coast NNR	Supports birds, including an important breeding population of little terns <sup>9</sup>	National	12.6 km north-west	10.4 km north-west
Castle Eden Dene NNR	The NNR is Designated for habitats and species groups including birds <sup>10</sup> .	National	18.1 km north-west	14.2 km north-west
Seaton Dunes and Common LNR	Aggregations of non-breeding birds - knot, ringed plover, sanderling, and turnstone.	Borough	3.3 km north-west	1.78 km north-east
Cowpen Bewley Woodland Country Park LNR	Variety of habitats and 80 species of bird.	Borough	8 km west	Overlapping
Charlton's Pond LNR	Charlton's Pond consists of wetlands, amenity grassland and woodland with suitable habitat for wildfowl.	Borough	9.0 km south-west	480 m north-west
Billingham Beck Valley Country Park LNR	Colourful meadows, ponds, marsh, and woodland. This wetland provides a home for plants and animals, including bird species <sup>11</sup> .	Borough	10.8 km south-west	1.55 km west
Non-statutory				
Phillips Tank Farm Grassland LWS	The area supports c3.7% of total SPA bird numbers plus breeding lapwing.	Borough	4.75 km west	75 m north-west

<sup>9</sup> No further details are available for this designated site

<sup>10</sup> There is no formal list of species for which this designated site is notified.

<sup>11</sup> No specific details are provided for this designated site regarding species of bird present.

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
Zinc Works Bird Field LWS	<p>Good numbers of wintering and migratory waterbirds and very important for migratory passerines. &gt;0.5% of the national population of passage ring ouzels (<i>Turdus torquatus</i>) recorded.</p> <p>Regularly holds more than 0.1% of the national population of any wintering or passage species and the site regularly holds more than 5% of the cited bird interest of the Teesmouth and Cleveland Coast SPA (this to include 5% of a cited individual bird population or of the combined water bird population, currently stated as 21,406).</p>	Borough	2.6 km north-west	1.5 km north-west
Saltern Saltmarsh LWS	The area supports c3.7% of total SPA bird numbers and important site for breeding lapwing.	Borough	4.8 km west	95 m south-west
Saltholme RSPB Reserve	The site is one of the largest breeding colonies of common terns in the UK and breeding lapwing (red list) are present, as well as being used by foraging peregrine ( <i>Falco peregrinus</i> ) and breeding species such as marsh harrier ( <i>Circus aeruginosus</i> ), Cetti's warbler ( <i>Cettia cetti</i> ) and little ringed plover ( <i>Charadrius dubius</i> ).	Borough	283 m north-west	Overlapping



DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	Much of the reserve lies within the Teesmouth and Cleveland Coast SPA and SSSI.			
Greenabella Marsh LWS	Rough grassland with wetland areas. Significant bird populations.	Borough	4.48 km west	Overlapping
Greatham Creek North Bank Saltmarsh LWS	Designated mainly for saltmarsh vegetation. Some ornithological interest but not sufficient to merit LWS status on its own.	Borough	4.19 km west	Overlapping
Cowpen Bewley Woodland Park LWS	Variety of habitats and 80 species of bird.	Borough	6.94 km west	Overlapping
Coatham Marsh LWS	Designated for a range of wetland habitats, and of interest for a range of breeding and non-breeding birds.	Borough	1.3 km east	Overlapping
Seaton Common LWS	The site is a wet grassland which attracts large numbers of passage migrants over winter and is a breeding ground for birds in the summer months.	Borough	2.6 km north-west	1.8 km north-east
Power Station Grassland and Wetland LWS	Ungrazed grassland with pools and large areas of scrub. The breeding bird community includes stonechat ( <i>Saxicola rubicola</i> ), sedge warbler ( <i>Acrocephalus schoenobaenus</i> ) and grasshopper warbler ( <i>Locustella naevia</i> ).	Borough	3.5 km north-west	1.3 km north-east
Portrack Marsh LWS	The site regularly holds more than 0.1% of the national population of any wintering or passage species of the cited bird interest of	Borough	10.5 km south-west	1.9 km south-west

DESIGNATED SITE	INTEREST FEATURES(S) / REASON(S) FOR NOTIFICATION	ECOLOGICAL VALUE AND STATUS	PROXIMITY TO MAIN SITE <sup>8</sup>	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	the Teesmouth and Cleveland Coast SPA and the site regularly holds more than 5% of the cited gadwall, shoveler, and redshank population.			
Billingham Beck Valley LWS	Wetland providing es a home for plants and animals, including bird species <sup>12</sup> .	Borough	11 km south-west	1.4 km west

<sup>12</sup> The designated site description does not specify species of birds present or their numbers.

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## Species Records

### Environmental Records Information Centre Northeast Records

- 13A.3.4 ERIC Northeast provided thousands of species records, a large sub-set (more than 74,000) of which are birds. While this serves to confirm the widely known fact that the Teesside area is a particularly well-recorded area, particularly with respect to birds, that is regularly watched by large numbers of amateur and professional ornithologists, there is little information within the data set pertaining to bird behaviours or habitat use that can be used to inform impact assessment or the development of impact avoidance, mitigation and compensation measures.
- 13A.3.5 The ERIC data were filtered by age, location, and description so that any records demonstrating regular non-breeding habitat use other than feeding were identified, since a large proportion of the records describe feeding behaviours in a general sense. Principally such habitat use would be restricted to roosting, therefore the data set was filtered to identify this behaviour. Unconfirmed records were omitted (i.e., only those records that the supplier states are "*considered correct*" were included). This process identified eight records of five species, which are summarised in Table 13A-4.
- 13A.3.6 Relevant records of breeding birds number only two, both of which were booming (calling) male bittern within th [REDACTED]. All other records were of common and widespread species, and species that are not qualifying species of designated sites.

Table 13A-4: Relevant Bird Records Supplied by ERIC North-East

SPECIES	CONSERVATION STATUS <sup>13</sup>	DATE OF RECORD	LOCATION <sup>14</sup>	GRID REF	NUMBER OF BIRDS	ACTIVITY
Grey heron ( <i>Ardea cinerea</i> )	Green	11/12/2017	Seaton Snook, Teesmouth	NZ5326	1	Roosting on Seaton Channel side of Snook at first light
Turnstone	Amber	11/12/2017	Seaton Snook, Teesmouth	NZ5326	1	Roosting on Seaton Channel side of Snook at first light
Long - eared owl ( <i>Asio otus</i> )	Green	14/01/2017	Haverton Hole	NZ4823	1	Roosting
Long - eared owl	Green	14/01/2017	Haverton Hole	NZ4823	2	Roosting in scrub
Long - eared owl	Green	26/11/2017	Haverton Hole	NZ4923	1	Not recorded
Long - eared owl	Green	17/11/2012	RSPB Saltholme	NZ5023	3	Roosting and watchpoint
Long - eared owl	Green	17/11/2017	RSPB Saltholme	NZ5022	1	Roosting in scrub
Long - eared owl	Green	22/11/2017	RSPB Saltholme	NZ5022	1	Not recorded
Dunlin ( <i>Calidris alpina</i> )	Red, Annex 1	05/08/2017	Seal Sands	NZ5225	1	Roosting over high tide
Knot	Amber, Ramsar SPA, SSSI	05/08/2017	Seal Sands	NZ5225	3	Roosting over high tide
Knot	Amber, Ramsar SPA, SSSI	28/05/2017	RSPB Saltholme	NZ5022	1	

<sup>13</sup> Green/Amber/Red = status as listed in Birds of Conservation Concern; Annex 1 = Annex 1 of the Habitats Regulations (as amended); Schedule 1 = Schedule 1 of the Wildlife and Countryside Act 1981 (as amended); Ramsar/SPA/SSSI = a reason for notification of designated site(s). Further details in Section 13A.2.

<sup>14</sup> Distances from the Proposed Development are not shown because the records are supplied at 10 km grid square resolution.

SPECIES	CONSERVATION STATUS <sup>13</sup>	DATE OF RECORD	LOCATION <sup>14</sup>	GRID REF	NUMBER OF BIRDS	ACTIVITY
Knot	Amber, Ramsar, SPA, SSSI	11/12/2017	Seaton Snook, Teesmouth	NZ5326	4	Roosting on Seaton Channel side of Snook at first light
	Amber, Annex 1, Schedule 1	06/04/2012			1	Booming male
	Amber, Annex 1, Schedule 1	14/04/2012			1	Booming male

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### Industry Nature Conservation Association Records

- 13A.3.7 INCA provided location-specific bird records with notes on habitat use. The non-breeding records include locations of several key wader roosts along the Teesside coast, within Seal Sands, Teesmouth and the River Tees channel. These are summarised in Table 13A-5. The full data set, including a map showing the records referenced to the tabulated data, is reproduced in Annex C.
- 13A.3.8 All known roosts occur on intertidal habitats, or on terrestrial habitat immediately adjacent to intertidal habitats. Of particular importance for roosts are the habitats surrounding and adjacent to Seal Sands, particularly the eastern side of Seal Sands Bay, but there are also significant roosts on Bran Sands, South Gare, and Coatham Sands. All of these are either adjacent to or within a short distance of the Proposed Development Site boundary.
- 13A.3.9 The list of breeding locations for SPA / SSSI birds is reproduced in Table 13A-6 and includes three qualifying species of the Teesmouth and Cleveland Coast SPA, Ramsar and SSSI designations, breeding at various locations along the Teesside coastline and within the North Tees Marshes either side of A178. These data include multiple locations at which little tern have bred historically, however the closest active little tern colony is at [REDACTED]. All other breeding sites across Teesside having been abandoned. No form of mapping was provided by INCA for these records.

Table 13A-5: Teesside Wader Roosts

ROOST ID	NAME	MAIN SPECIES <sup>15</sup>	ADDITIONAL INFO	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
1	Hartlepool North Sands below Britmag	Redshank, knot (in mid-hundreds at least, unclear if still occupied)	Predominantly around MHW <sup>16</sup> , not on the elevated made ground above the former Britmag site (although oystercatcher ( <i>Haematopus ostralegus</i> ) occasionally roost there too)	9.71 km north-west	8.32 km north
2	Hartlepool West Harbour roost	Turnstone, redshank, purple sandpiper	None	7.80 km north-west	6.32 km north
3	Newburn Bridge	Redshank, ringed plover, oystercatcher	None	7.12 km north-west	5.42 km north
4	North Gare	Knot, grey plover ( <i>Pluvialis squatarola</i> ), oystercatcher	None	2.88 km north-west	2.39 km north-west
5	Seaton Snook	Oystercatcher, grey plover, knot, dunlin (latter in autumn)	None	1.91 km north-west	1.15 km north-west
6	Greatham Creek saltmarsh	Curlew ( <i>Numenius arquata</i> ), redshank	None	5.08 km west	731 m west

<sup>15</sup> Species in bold font are qualifying features (either as individual species or assemblage species) of one or more of Teesmouth and Cleveland Coast SPA/Ramsar, Teesmouth and Cleveland Coast SSSI, Northumbria Coast SPA, Durham Coast SSSI, and Teesmouth NNR (see Table 13A-3)

<sup>16</sup> Mean High Water Mark

ROOST ID	NAME	MAIN SPECIES <sup>15</sup>	ADDITIONAL INFO	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
7	Brinefield Number 4 Tidal Pool	Lapwing, redshank, dunlin (latter in autumn)	None	4.58 km north-west	224 m east
8	Greenabella Seawall and marsh	Redshank, curlew	Broad area	3.99 km west	441 m east
9	Seal Sands seawall / land east of intertidal project	Curlew	Broad area	3.38 km west	748 m east
10	Seal Sands peninsula - 'Redshank corner'	Redshank, shelduck	Base of western side of the peninsula	2.26 km west	799 m north
11	Seal Sands peninsula - 'Oil Drum'	Shelduck, oystercatcher, curlew	Halfway up the western side of the peninsula	2.17 km west	1.07 km north
12	Seal Sands peninsula - 'Entrance to peninsula enclosure'	Shelduck, curlew, oystercatcher, redshank	Broad area	2.22 km west	1.10 km west
13	Seal Sands peninsula - 'Tip of peninsula'	Oystercatcher	Tip of peninsula	2.30 km west	1.19 km west
14	Middlesbrough Dock	Redshank	Approximate location	6.91 km south-west	1.92 km south
15	North Tees Mudflat seawall	Redshank	None	4.36 km south-west	455 m south



ROOST ID	NAME	MAIN SPECIES <sup>15</sup>	ADDITIONAL INFO	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
16	Bran Sands Island	Cormorant, oystercatcher (when exposed)	None	1.18 km north-west	496 m north-west
17	South Gare / German Charlies	Oystercatcher, formerly (?) knot	None	1.83 km north	1.83 km north
18	Coatham Sands	200 to 300 Oystercatcher (but join South Gare / German Charlies roost if disturbed)	Beach. Birds move to the South Gare / German Charlies roost if disturbed. One or two bar-tailed godwits ( <i>Limosa lapponica</i> ), very few dunlin, some sanderling, some black - headed gull, occasionally up to ten Sandwich terns, etc. <sup>17</sup>	476 m north	476 m north
19	Coatham Boating Lake	Redshank	None	2.99 km east	1.91 km north-east

Source: Industry Nature Conservation Association

<sup>17</sup> This record is reproduced verbatim from the supplier. Further detail was not provided regarding any additional species that might occur, as indicated by “etc.”

Table 13A-6: Teesside SPA Species Breeding Locations

SPECIES	LOCATION NAME	NATIONAL GRID REFERENCE	YEAR	NUMBERS	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
Little Tern	[REDACTED]	[REDACTED]	2018	72 pairs, 9 nests, no young fledged (owing to predation)	[REDACTED]	[REDACTED]
			2018	1 pair, 1 nest, no young fledged (reasons unknown).		
			2019	40 to 50 pairs, 36 to 38 nests, 38 to 40 young fledged		
			2020	5 apparently occupied nests; 4 young fledged		
			2020	60 apparently occupied nests; 3 young fledged. This location continued as the main breeding colony in 2021. No newer records than this are available for this species.		
			2020	Nesting attempt by a single pair		
Common Tern	Saltholme	NZ502230	2018	263 nests, 147 young ringed	6.08 km south-west	532 m south
	Cowpen Marsh	NZ505247	2018	24 nests, 24 young ringed	5.31 km west	432 m west
	Portrack Marsh	NZ468195	2019	1 to 2 nests, 4 young fledged	10.70 km south-west	2.10 km south

SPECIES	LOCATION NAME	NATIONAL GRID REFERENCE	YEAR	NUMBERS	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT BOUNDARY
	Saltholme	NZ502230	2020	185 pairs in total but none fledged due to predation	6.08 km south-west	532 m south
	Saline Lagoon	NZ509252	2020	90 pairs, 41 chicks colour ringed	4.87 km west	374 m north
	Cowpen Marsh	NZ505247	2020	18 pairs, six young fledged	5.31 km west	432 m west
Avocet	[REDACTED]		2018	22 nests, 8 young fledged from various locations. Grid Reference given is for [REDACTED] where 12 nests were recorded.	[REDACTED]	
			2019	12 nests, 20 young ringed		
			2019	2 nests, outcome unknown		
			2019	2+ nests, 6 young ringed		
			2019	1 nest, 3 to 4 young fledged		
			2020	19 pairs, no young fledged		
			2020	Numbers not known; some chicks fledged		

Source: Industry Nature Conservation Association

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### The Environment Agency – Wintering Birds

- 13A.3.10 Detailed bird survey data from Greatham Creek (between Marsh House Farm eastwards to Seal Sands Bay and including Greenabella Marsh) were provided by The Environment Agency in January 2023 (Econorth, 2022a-d). The bird data relate to the survey period between July 2021 and July 2022 and cover wintering, passage and breeding seasons. The survey areas to which the summary narratives below refer are provided in Annex D.
- 13A.3.11 The habitats immediately adjacent to Greatham Creek, including the southern end of Greenabella Marsh and the northern end of Brinefields supported most of the wintering birds recorded. The shallow pools alongside the northern edge of Greatham Creek supported SPA and SSSI qualifying species including shoveler, wigeon, teal, redshank, gadwall, avocet, shelduck, black-headed gull and other wetland birds including a range of ducks, grey heron and little egret.
- 13A.3.12 To the south of Greatham Creek, the majority of wintering birds were associated with the permanent open waters of the tidal / saline lagoons and channels connecting them. Species here included qualifying species of the SPA and SSSI including redshank, lapwing, shoveler, teal, wigeon, shelduck, avocet and gadwall. Bird numbers here were boosted by a further suite of waders and ducks including golden plover, curlew, mallard, tufted duck, oystercatcher and coot. Small numbers of a similar range of ducks and waders also occurred at the Greatham Creek channel.
- 13A.3.13 The EA wintering bird report indicates a general absence of wintering birds across the central part of Greenabella Marsh, where open waters give way to tall marshy grassland and reedbed that are largely unsuitable for waders and ducks, except along the frontage of the sea wall immediately adjacent to Seal Sands Bay, along which a string of open water pools occur. Here, small numbers of teal, redshank, wigeon and teal were recorded.
- 13A.3.14 Large numbers of teal, wigeon, lapwing, redshank and curlew were recorded at Greatham Creek and associated saltmarsh to the west of the A178 road bridge outside the breeding season.

### The Environment Agency – Passage Birds

- 13A.3.15 There were 38 species recorded during the passage season within Greenabella Marsh and the adjacent open waters of Greatham Creek and the western edge of Seal Sands Bay. Birds included raptors, terrestrial species and water birds (the latter forming the bulk of the records and including a wide variety of species).
- 13A.3.16 Common and sandwich terns were observed regularly commuting along the Greatham Creek channel and this was presumed to be a route by which these species move between colony / roost sites (such as RSPB Saltholme) and the Tees Estuary and beyond. These species were also commonly recorded foraging within Seal Sands Bay where Greatham Creek flows into Seaton on Tees Channel and terns were observed roosting on marine structures and mooring ropes in this area. These species were present for the majority of the passage period up to September; much

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of the recorded common tern activity in July would be expected to coincide with the latter part of the breeding season.

13A.3.17 Waders occurring regularly within Greenabella Marsh, behind the sea wall, included redshank, small numbers of dunlin and curlew. More widely, a wide range of species occurred within the survey area and of these, several (knot, avocet, sanderling) were qualifying species of the SPA and SSSI, in addition to which other wading birds (curlew, golden plover, grey plover, bar-tailed godwit, snipe, common sandpiper) were commonly recorded.

13A.3.18 Wildfowl were commonly recorded on the pools within the marsh behind the sea wall; only shelduck was regularly recorded on the open mudflats of Seal Sands Bay.

13A.3.19 A number of key areas were identified, as follows (see Plates 13A-1 to 13A-3):

- Open muds within Seal Sands Bay and shallow pools behind the sea wall for roosting and foraging waders (Plate 13A-1 and 13A-2);
- A number of pools, especially at the southern end of Greenabella Marsh for wildfowl (predominantly ducks) (Plate 13A-3); and
- Greatham Creek channel, as a commuting corridor for terns and waders.

13A.3.20 The surveys also recorded marsh harrier, kestrel, and sparrowhawk within Greenabella Marsh. Marsh harrier was suspected to be roosting within [REDACTED]

[REDACTED]



Plate 13A-1: Key Wader Roosts Identified During Surveys Supporting the Greatham Flood Alleviation Scheme (reproduced from Econorth, 2022a)





Plate 13A-2: Key Wader Foraging Areas Identified During Surveys Supporting the Greatham Flood Alleviation Scheme (reproduced from Econorth, 2022a)



Plate 13A-3: Key Wildfowl Areas Identified During Surveys Supporting the Greatham Flood Alleviation Scheme (reproduced from Econorth, 2022a)



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### The Environment Agency – Breeding Birds

13A.3.21 Breeding bird surveys were carried out across the whole of Greenabella marsh and included the recording of birds on the open muds of Seal Sands Bay adjacent to the marsh and sea wall.

13A.3.22 There were 66 species recorded during the surveys, of which 49 were considered to be breeding, including the following:

- Barn owl was recorded breeding in a pole-mounted box, the location of which was not made clear in the report but is believed to be [REDACTED]
- eight red list species (lapwing, herring gull, starling, skylark, grasshopper warbler, linnet, yellow wagtail and grey partridge); and
- 18 amber list species (mallard, gadwall, shoveler, shelduck, black-headed gull, common tern, kestrel, stock dove, woodpigeon, song thrush, wren, dunnock, meadow pipit, sedge warbler, reed warbler, willow warbler and whitethroat).

13A.3.23 Up to two pairs of common tern attempted to breed within the pools north of Greatham Creek. Avocet was regularly recorded in this area also, but was not considered to be breeding here. Marsh harrier [REDACTED]

### Natural England

13A.3.24 Monthly low tide wetland bird counts for Seal Sands Bay were provided by Natural England in September 2023, for the period 1993 to 2023 inclusive. To ensure that the data included in this baseline report is both contemporary and manageable in volume, only data from the last five years has been considered below. The Natural England count sectors are shown in Figure 13A-8.

13A.3.25 Peak counts by sector for qualifying species of the Teesmouth and Cleveland Coast SPA are summarised in Table 13A-7 to support the following narrative below, which sets out peak counts of wetland birds recorded since 2018 by Natural England (Natural England, 2018). Spatial context is provided by reference to the overlap between AECOM count sectors and Natural England count sectors and SPA qualifying species are identified by bold font.

AECOM Sector 18a (Seal Sands Bay East Headland):

- grey heron 13 (NE Sector 9) 12 October 2021;
- great black-backed gull (*Larus marinus*) 66 (NE Sector 9) 23 September 2021;
- herring gull 110 (NE Sector 9) 28 June 2021;
- common tern 24 (NE Sector 1) 12 August 2021; and
- sandwich tern 182 (NE Sector 1) 1 August 2022.

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13A.3.26 The low tide survey data indicate that the headland at the east end of Seal Sands is important for grey heron, large gull species including herring gull and terns, particularly post-breeding Sandwich tern in August.

AECOM Sector 18 (Seal Sands Bay East):

- curlew 111 (NE Sector 2) 12 August 2021;
- golden plover 582 (NE Sector 2) 28 November 2022;
- wigeon 221 (NE Sector 2) 13 October 2022;
- shelduck 135 (NE Sector 3) 7 December 2021;
- turnstone 18 (NE Sector 8) 28 November 2022;
- oystercatcher 341 (NE Sector 10) 21 January 2022;
- dunlin 426 (NE Sector 12) 13 September 2022; and
- cormorant 93 (NE Sector 13) 23 September 2021.

13A.3.27 The low tide survey data indicate that the eastern part of Seal sands Bay is used by large numbers of waders and ducks. Exceptional monthly counts of non-breeding wetland birds include 582 golden plover, 341 oystercatcher, 111 curlew, 221 wigeon and 135 shelduck. It is likely that most of these birds also forage on other parts of Seal Sands Bay.

AECOM Sector 19 and part of AECOM Sector 20 (Seal Sands Bay SW):

- Knot 169 (NE Sector 4) 21 January 2022;
- Lapwing 324 (NE Sector 4) 28 November 2022;
- Ringed plover 223 (NE Sector 4) 18 May 2022;
- Bar-tailed godwit 96 (NE Sector 6) 25 January 2023;
- Black-tailed godwit (*Limosa limosa*) 40 (NE Sector 6) 25 March 2023;
- Grey plover 83 (NE Sector 6) 21 January 2022;
- Redshank 240 (NE Sector 6) 27 July 2021;
- Teal 27 (NE Sector 6) 21 January 2022; and
- Dunlin 426 (NE Sector 12) 13 September 2022.

AECOM Sector 20 and part of AECOM Sector 19 (adjacent and East of Greenabella Marsh):

- Knot 169 (NE Sector 4) 21 January 2022;
- Lapwing 324 (NE Sector 4) 28 November 2022;
- Ringed plover 223 (NE Sector 4) 18 May 2022;
- Bar-tailed godwit 96 (NE Sector 6) 25 January 2023;
- Black-tailed godwit 40 (NE Sector 6) 25 March 2023;

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- Grey plover 83 (NE Sector 6) 21 January 2022;
  - Redshank 240 (NE Sector 6) 27 July 2021; and
  - Teal 27 (NE Sector 6) 21 January 2022.

AECOM Sectors 18 to 20:

- Avocet 7, 15 July 2022;
- Black-headed gull 10, 15 July 2022;
- Gadwall 2, 27 May 2021;
- Little tern 2, 18 May 2022;
- Sanderling 17, 27 July 2021;
- Shoveler 22, 7 December 2021; and
- Wigeon 221, 13 October 2022.

13A.3.28 The low tide survey data indicate that the western part of Seal Sands Bay is used by large numbers of waders and ducks irrespective of their inclusion as qualifying features of designated sites. Peak counts of non-breeding wetland birds include 426 dunlin, 324 lapwing, 240 redshank, 169 knot, 96 bar-tailed godwit and 83 grey plover. Ringed plover numbers typically peak on their spring migration and 223 were recorded on 18 May 2022. It is likely that most of these birds also forage on the eastern part of Seal Sands Bay.

13A.3.29 In Table 13A-7, counts in bold font equal or exceed 1% of the SPA population stated in the site data sheet, or for assemblage species 1% of the SPA population stated in Austin et al. (2023).

Table 13A-7: Peak Counts of SPA and SSSI Qualifying Species from last 5 years of Low Tide Counts carried out by Natural England at Seal Sands Bay<sup>18</sup>

NE COUNT SECTOR	1	2	3A (FRONT)	3B (SOUTH)	4	5	6	7	8	9	10	11	12	13	14	IP	ALL	MONTHS PRESENT (ACROSS WHOLE SURVEY AREA)
OVERLAPPING AECOM COUNT SECTOR(S)	18, 18a	18, 18a	18	18	18, 19, 20	19, 20	18, 19, 20	18, 20	18	18a	18	18, 18a	18, 19	18	18	4		
Avocet (TI, TB)	0	0	0	0	7	1	7	0	0	0	0	0	0	0	0	2	7	Feb, Mar, Apr, May, Jun, Jul, Sep, Dec
Black-headed Gull (TA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	Mar, Apr, May, Jun, Jul, Aug, Sep,
Common Tern (TI, TB)	0	24	0	0	0	0	0	0	1	0	2	18	0	0	0	0	24	May, Jun, Jul, Aug, Sep
Gadwall (TN)	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	Apr, May, Oct
Herring Gull (TA)	0	0	0	0	110	0	0	0	0	0	0	0	0	0	0	1	110	Apr, May, Jun, Jul, Sep, Nov
Kittiwake (DB)	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	Apr, May, Jun
Knot (TI, TA, TN)	0	25	0	19	169	0	86	0	10	0	90	0	41	0	0	4	169	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

<sup>18</sup> Suffix after the species name denotes the designation for which it is a qualifying feature: TI = Teesmouth and Cleveland Coast SPA (Individual); TA = Teesmouth and Cleveland Coast SPA (Assemblage); NI = Northumbria Coast SPA (Individual); TB = Teesmouth and Cleveland Coast SSSI (Aggregation of breeding birds); TN = Teesmouth and Cleveland Coast SSSI (Aggregation of non-breeding birds); DB = Durham Coast SSSI (Aggregations of breeding birds); DN = Durham Coast SSSI (Aggregations of non-breeding birds).

NE COUNT SECTOR	1	2	3A (FRONT)	3B (SOUTH)	4	5	6	7	8	9	10	11	12	13	14	IP	ALL	MONTHS PRESENT (ACROSS WHOLE SURVEY AREA)
OVERLAPPING AECOM COUNT SECTOR(S)	18, 18a	18, 18a	18	18	18, 19, 20	19, 20	18, 19, 20	18, 20	18	18a	18	18, 18a	18, 19	18	18	4		
Lapwing (TA)	109	84	2	0	324	8	0	0	0	86	0	320	0	81	0	1	324	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
Little Tern (NI, TB, DB)	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	2	May, Jul
Redshank (TI, TN)	6	49	7	36	61	88	240	13	56	40	53	30	77	9	36	38	240	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
Ringed Plover (TN)	12	15	43	145	223	2	26	0	0	0	20	3	27	0	0	0	223	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
Sanderling (TA, TN, DN)	0	0	0	0	0	0	17	0	0	0	0	1	0	0	0	0	17	Feb, Apr, May, Jun, Jul, Aug, Sep, Dec
Sandwich Tern (TI, TN)	0	182	0	0	0	0	0	0	15	0	1	140	0	0	0	0	182	Apr, May, Jun, Jul, Aug, Sep
Shelduck (TA, TN)	5	40	131	135	94	5	71	7	76	7	30	0	107	2	0	9	135	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

NE COUNT SECTOR	1	2	3A (FRONT)	3B (SOUTH)	4	5	6	7	8	9	10	11	12	13	14	IP	ALL	MONTHS PRESENT (ACROSS WHOLE SURVEY AREA)
OVERLAPPING AECOM COUNT SECTOR(S)	18, 18a	18, 18a	18	18	18, 19, 20	19, 20	18, 19, 20	18, 20	18	18a	18	18, 18a	18, 19	18	18	4		
Shoveler (TA, TN)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	22	22	Jan, Feb, Nov, Dec
Turnstone (NI)	0	3	0	7	14	1	1	0	18	0	2	17	0	4	5	0	18	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
Wigeon (TA)	0	221	0	2	11	2	220	0	1	14	181	0	61	0	0	4	221	Jan, Feb, Mar, Apr, May, Aug, Sep, Oct, Nov, Dec

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- 13A.3.30 Natural England commissioned a study to understand the distribution of wintering water birds at selected sites across Teesside (Percival, 2015), to inform the review of protected sites undertaken by Natural England at that time.
- 13A.3.31 Natural England's study describes the use by wintering water birds across several key areas north / west of the River Tees as shown in Plate 13A-4 (Annex E):
- Greenabella Marsh, which overlaps the Proposed Development Site;
  - Cowpen Marsh, which is immediately west of the Proposed Development Site;
  - Brinefield No. 4, which is within the Proposed Development Site;
  - Long Drag and Seal Sands Foreshore (shown as "Seal Sands" on the plan in Annex E), which overlaps the Proposed Development Site;
  - Vopak Foreshore and Brownfield, which overlaps the Proposed Development Site; and
  - North Tees Mudflat and Brownfield, which is approximately 225 m south-east of the Proposed Development Site (although the key intertidal habitat at this location is approximately 480 m south-east).
- 13A.3.32 A number of these areas are identified as supporting significant numbers of wintering wetland birds (of which qualifying species of Teesmouth and Cleveland Coast SPA are identified in bold font below) and, although some of them are described in rather general terms, there is clearly a high degree of consistency with the roost records supplied by INCA (Table 13A-5). Key locations include:
- Cowpen Marsh, which is important for wigeon, teal, mallard (*Anas platyrhynchos*), lapwing and curlew. Most species used the site for feeding, but lapwing also roosted and there were occasional gull roosts recorded (mainly herring gull and black-headed gull).
  - Greenabella Marsh, which was used by significant numbers of wigeon, teal and shoveler and was a regular high tide roost for black-tailed godwit and redshank. Most of the bird records were within the pools at the southern end of this area.
  - North Tees Mudflat and brownfield supported important numbers of feeding waders and gulls at low tide, the latter also roosting there. The adjacent terrestrial habitats were used by small numbers of roosting and feeding curlew.
  - Long Drag and Seal Sands brownfield was identified as important for feeding and roosting redshank within the pools at the western end of the area, and for roosting curlew which were recorded at several locations adjacent to the Emergency Access Road and within the grasslands immediately south of it.
- 13A.3.33 Additionally, several areas held relatively small numbers of wetland birds: Vopak foreshore was used by small numbers of feeding birds and as an occasional roost by cormorant; Greatham Tank Farm was shown to be important for water birds mainly moving to and from Cowpen Marsh; and Brinefield Number Four held small numbers of feeding waders, shelduck and dabbling ducks.
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### British Trust for Ornithology Wetland Birds Survey Low Tide Data

- 13A.3.34 The low tide data for the winter of 2018 / 19 were purchased for all sectors adjacent to and up to approximately 500 m from the Proposed Development Site, for which data were available. Data for additional sectors beyond 500 m were obtained where these are contiguous with those that lie within 500 m of the Proposed Development Site. The low tide sectors for which data were purchased are shown on the plan in Annex F, along with summary data from WeBS tabulated for each sector.
- 13A.3.35 The data received provide extremely detailed information on numbers of water birds within the Teesside area as a whole and within individual sectors, but the data lack detail regarding habitat use by or distribution of birds at a scale finer than sector level.
- 13A.3.36 Low tide data are not used in setting thresholds for SPA populations but are useful for contextualising the relative importance of intertidal habitats adjacent to the Proposed Development Site and identifying species that might occur inland.
- 13A.3.37 The low tide count data included 11 qualifying species of Teesmouth and Cleveland Coast SPA / Ramsar, seven qualifying species of the equivalent SSSI, two qualifying species of Northumbria Coast SPA, three qualifying species of Durham Coast SSSI and four qualifying species of Teesmouth NNR. However, the metrics for total number of species recorded indicate that collectively this area supports a much larger number of species regardless of their inclusion or otherwise as notified features of the designations, with 49 species recorded in total across all Teesside count sectors.
- 13A.3.38 Each table in Annex F includes the % contribution of that sector to the whole site total for each species. The following observations regarding Teesmouth and Cleveland Coast SPA and SSSI species can be made:
- DT009 supported the majority of the site totals for wigeon (56.8%) and lapwing (60.2%), with a significant<sup>19</sup> contribution for redshank;
  - DT021 (Dabholm Gut) supported the vast majority of the site totals for shelduck (>88%), gadwall (100%), teal (> 83%), and significant contributions to the site total for cormorant, lapwing, redshank and black-headed gull. Dabholm Gut is known to be of key importance for these species (Smith, 2011);
  - DT023 supported a significant proportion of the site total for black – headed gull;
  - DT024 and DT027 supported significant proportions of the site total for ringed plover;
  - DT025 and DT026 each supported significant numbers of cormorant;
  - DT028 supported 100% of the site total for knot and the vast majority of the site total for sanderling (88.9%), with significant contributions to the site totals for cormorant, turnstone, black – headed gull and herring gull; and

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<sup>19</sup> Significant in this context is taken to mean between 10 % and 50 % of the site total.



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- DT030 supported 100% of the site total for ringed plover and significant contributions to the site total for shelduck and redshank.

#### British Trust for Ornithology Wetland Birds Survey Core Count Data

- 13A.3.39 Five-year synopsis tables for all 33 core count sectors requested from WeBS are reproduced in full in Annex G, along with a plan showing the sectors. To each sector table the following information has been added to provide context to the numbers recorded for each SPA and Ramsar species:
- The qualifying population size for individual species (as stated on the relevant site data sheet);
  - The qualifying population size for assemblage species (the average derived from the last 5 years of data available, as stated in Austin et al, 2023); and
  - A significance threshold of 1% of the relevant SPA / Ramsar population.
- 13A.3.40 The core count data are too detailed to include in full within this report, however a summary of the data is provided in Table 13A-8 and the narrative that follows. The table sets out the patterns of occurrence of SPA and Ramsar qualifying species and identifies where the counts of these species equalled or exceeded 1% of the relevant SPA / Ramsar populations.
- 13A.3.41 Qualifying populations are not provided for SSSIs, however where SSSI species exceed the national thresholds stated in the synopsis tables in Annex G this is identified in Table 13A-8.

Table 13A-8: Exceedance of SPA and Ramsar 1% Thresholds for Teesmouth and Cleveland Coast (TCC) SPA / Ramsar and Northumbria Coast (NC) SPA/Ramsar

(Exceedances are for Teesmouth and Cleveland Coast designations unless stated otherwise; Y = equals or exceeds 1% threshold; N = lower than 1% threshold; blank cells indicate species is absent from the sector counts)

	52444 – ALLOTMENT POOL	52453 – BACK SALTHOLME	52454 – BIG AND OLD FIELD	52428 – BRAN SANDS NORTH	52427 – BRAN SANDS SOUTH	52417 – BRINEFIELDS	52431 – COATHAM MARSH	52429 – COATHAM SANDS NORTH	52103 – COWPEN BEWLEY LANDFILL SITE	52302 – COWPEN MARSH NON-TIDAL	52437 – COWPEN MARSH SOUTH-WEST	52409 – COWPEN MARSH TIDAL	52420 – DORMANS POOL	52450 – FIRE STATION FIELD	52416 – GREATHAM CREEK CHANNEL	52414 – GREENABELLA	52440 – HAVERTON HOLE POOL	52443 – LITTLE POOL	52448 – MAIN LAKE	52424 – PENINSULA EAST	52425 – PENINSULA WEST	52456 – PETROPOLUS FIELD	52005 – PIPELINE POOLS (RSPB SALTHOME)	52430 – QUARRIES AND LAGOONS	52432 – REDCAR AND COATHAM SANDS SOUTH	52434 – SALTERN WETLANDS	52455 – SALTHOLME EAST	52451 – SALTHOLME WEST, SCRAPE AND SALTHOLME FIELD	52422 – SEAL SANDS SOUTH-WEST AND MAIN	52441 – SQUARE POOL	52435 – TANK FARM	52449 – THE TANKS	52442 – TRIANGLE POOL			
Total number of species counted	21	47	33	42	31	38	25	35	44	33	33	32	42	17	42	39	27	16	29	12	36	31	13	15	30	30	30	38	17	35	19	24	22			
Number of SPA Species counted	4	11	7	13	7	10	5	13	7	6	6	9	8	3	11	13	6	3	10	5	11	6	4	4	10	10	6	9	6	8	6	5	4			
Arctic tern (NC)								N																	N											
Avocet		Y	Y			Y					Y	Y			Y	Y	N								Y		Y					Y				
Black-headed gull	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	N	Y	N	Y	N		N	Y	Y	Y	Y	N	N	N	N	N	N		
Common tern		N		Y	Y	Y		Y		Y		N	N		N	N	N		Y	Y	Y			Y		N	N		N							
Fulmar																																				
Gadwall																																				
Herring gull	Y	Y	Y	Y	Y	Y	Y	Y	Y			N	Y		Y	N			N	Y	Y	N	N	N	Y	N	N	N	N	N	Y	Y		N		
Kittiwake																																				
Knot		N		Y		N		Y				N			N	N					Y				Y	N			N							
Lapwing		Y	N	Y	Y	Y	N		Y	Y	Y	Y	Y		Y	N	Y	Y	N		Y	Y	N	N		Y	N	Y		N	N					
Little tern (NC)				Y				Y								Y					Y															
Little tern				Y				Y								N					Y															
Purple sandpiper (NC)				N				Y																	N											
Redshank		N	N	Y	Y	Y	N	N	N	N	N	Y	N	N	Y	N			N	N	Y	N		N	Y	Y		N	Y	N	N	N	N			
Ringed plover																																				
Ruff		Y							Y			Y	Y					Y									Y		N							

	52444 – ALLOTMENT POOL	52453 – BACK SALTHOLME	52454 – BIG AND OLD FIELD	52428 – BRAN SANDS NORTH	52427 – BRAN SANDS SOUTH	52417 – BRINEFIELDS	52431 – COATHAM MARSH	52429 – COATHAM SANDS NORTH	52103 – COWPEN BEWLEY LANDFILL SITE	52302 – COWPEN MARSH NON-TIDAL	52437 – COWPEN MARSH SOUTH-WEST	52409 – COWPEN MARSH TIDAL	52420 – DORMANS POOL	52450 – FIRE STATION FIELD	52416 – GREATHAM CREEK CHANNEL	52414 – GREENABELLA	52440 – HAVERTON HOLE POOL	52443 – LITTLE POOL	52448 – MAIN LAKE	52424 – PENINSULA EAST	52425 – PENINSULA WEST	52456 – PETROPOLUS FIELD	52005 – PIPELINE POOLS (RSPB SALTHOLME)	52430 – QUARRIES AND LAGOONS	52432 – REDCAR AND COATHAM SANDS SOUTH	52434 – SALTERN WETLANDS	52455 – SALTHOLME EAST	52451 – SALTHOLME WEST, SCRAPE AND SALTHOLME FIELD	52422 – SEAL SANDS SOUTH-WEST AND MAIN	52441 – SQUARE POOL	52435 – TANK FARM	52449 – THE TANKS	52442 – TRIANGLE POOL		
Sanderling				Y				Y																	Y										
Sandwich tern		N		Y	N	N		Y							N	N			N	Y					N	N									
Shoveler	Y	Y	Y			Y	Y		Y	Y	Y		Y		Y	Y	Y	Y			N	N				N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Turnstone (NC)				Y	N			Y							N	N					Y				Y	N									
Wigeon	N	Y	Y	N		Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y		Y	Y	N			Y	N	N	Y	Y	Y	Y	Y	N	N	N

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13A.3.42 The core count sectors represent the full range of wetland habitats across Teesside including the intertidal sands and muds of open coastlines; sand dunes; lagoons and ponds (both tidal and non-tidal); marshy and dry open grasslands of a variety of sward heights and structures; reedbeds; saltmarsh; flowing freshwaters and bare / open ground.

13A.3.43 The following patterns of occurrence and general observations can be made:

- Avocet occurred in 11 sectors and achieved significant numbers in 10 of them. All occurrences were within terrestrial sectors spread across RSPB Saltholme, and the intertidal and saltmarsh habitats of Cowpen Marsh, Greenabella and the tidal River Greatham. This species was not recorded south of the River Tees.
- Redshank, lapwing, gulls, shoveler and wigeon occurred within most sectors. Exceedance of the 1% SPA threshold for redshank occurred almost exclusively within coastal sectors, while there was no such pattern for the other species.
- Knot occurred mostly within coastal and tidal habitats, and at significant numbers only within these habitats.
- Sanderling occurred exclusively within the coastal sectors across Coatham Sands, Bran Sands and Seal Sands Bay where it was present in significant numbers.
- All but one (Cowpen Bewley Landfill) of the seven sectors supporting ruff were within the core areas of RSPB Saltholme Reserve. It was present in significant numbers in all but one of these sectors. Ruff was not counted in sectors south of the River Tees nor was it counted in intertidal habitats.
- Little tern occurred in five sectors predominantly within coastal habitats but also at Greenabella Marsh and at Main Lake within RSPB Saltholme. The species exceeded 1% of the population threshold for Northumbria Coast SPA in all five sectors in which it occurred, however the individuals occurring within the data sets presented in this report are very unlikely to be those nesting within Northumbria Coast SPA, because the known nest locations of this species within Northumbria Coast SPA are greater than the maximum along-shore foraging distance of 5 km for this species (Natural England, 2018).
- Little tern numbers exceeded the 1% population threshold for Teesmouth and Cleveland Coast SPA in only three sectors that overlap open coastline south of the River Tees and Seal Sands Bay.
- Common tern occurred within 18 sectors representing a wide range of inland and coastal habitats, but occurred in significant numbers only within half of those sectors.
- Sandwich tern occurred within 11 count sectors, exceeding 1% of the SPA population in three sectors, and was almost exclusively distributed across coastal habitats.
- Purple sandpiper, turnstone and arctic tern, all qualifying features of Northumbria Coast SPA only, occurred in small numbers almost exclusively

within coastal or intertidal habitats. Of these, only purple sandpiper occurred in significant numbers (at Coatham Sands North).

- 13A.3.44 Almost all of the core count sectors contribute significant or at least notable numbers of one or more qualifying species of the designations and contribute large numbers of species to the overall species assemblage for Teesside. Exceptions to this include Fire Station Field, Little Pool, Pipeline Pools, Triangle Pool and Quarries and Lagoons, SPA qualifying species numbering four or fewer in all of them. . All but one (Quarries and Lagoons) of these sectors was within or adjacent to Saltholme RSPB Reserve, where low numbers may simply be a reflection of the division of the Reserve into relatively small counts sectors, rather than a reflection of habitat quality, as is likely to be the case in Quarries and Lagoons.
- 13A.3.45 The Quarries and Lagoons sector covers a large area of the dunes, dune ponds and dune slacks between the Foundry and the open coast of Coatham Sands. This count sector overlaps the northern end of the STDC working site and a very small part of the northern corner of the Main Site, immediately to the south of South Gare Road, where the habitats are currently highly disturbed and unsuitable for wetland birds.
- 13A.3.46 This sector supported small numbers of waders (redshank and lapwing) and ducks (shelduck, teal and wigeon). These species would ordinarily be drawn primarily to the series of ponds within the dune system; however, AECOM's experience and knowledge of this area indicates that only one of the dune ponds (immediately adjacent to South Gare Road and approximately 170 m east of the Main Site) has any open water habitat or marginal habitats attractive to these species (all other ponds having become relatively dry and dominated by dense bulrush *Typha* and reed *Phragmites australis* swamp). Most of the species listed in Table 13A-8 and the full count table in Annex G for this sector have been observed by the author at or close to this pond and it is highly likely that most of the birds counted in this sector and represented in Table 13A-8 show the same spatial distribution.

#### Net Zero Teesside Data

- 13A.3.47 Ornithological interest features relevant to the Proposed Development include several breeding bird assemblages, individual breeding bird species, and non-breeding birds<sup>20</sup>. These have been identified through a combination of bespoke surveys and third-party data, much of which are spatially and technically relevant to the Proposed Development.
- 13A.3.48 In summary, the key areas of ornithological interest identified by the NZT project that are also potentially relevant to the Proposed Development were identified as:
- The brownfield habitats, including semi-improved neutral grassland, ephemeral / short perennial and bare ground intersected by small standing and flowing freshwaters (ponds, streams, ditches and rivers / streams) and ditches within STDC and some of the Connection Corridors south of the River Tees, which supported a locally important breeding bird assemblage and small numbers of breeding and roosting species that are of no greater than local importance;

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<sup>20</sup> The list of designated sites relevant to NZT is identical to that for H2Teesside.

- Coatham Dunes, were identified as supporting a locally important assemblage (at Borough level) of breeding birds and provide a foraging resource for barn owl;
- Coatham Sands and Bran Sands were identified as important for feeding, roosting and loafing waders, gulls, and terns;
- The mouth and channel of the River Tees were identified as important for foraging common tern;
- The North Tees Marshes up to and including Seal Sands Bay and Saltholme RSPB reserve were identified as important for breeding and wintering birds, with particular interest for marsh harrier, avocet, wintering ruff and roosting waders and shelduck;
- Scattered locations along the coastal sands north of the River Tees were identified as important for breeding SPA and SSSI species and roosting coastal birds (this was based upon the same data set presented in Tables 13A-5 and 13A-6);
- Breeding barn owl was identified at one location [REDACTED] and in the wider area a [REDACTED] and on the [REDACTED] and [REDACTED];
- Some habitats with [REDACTED] supported breeding little ringed plover and breeding and roosting [REDACTED] ng.

13A.3.49 The relevant ornithological features identified during baseline surveys for NZT are not set out in detail in this report but are summarised within Section 13.5 and Table 13A.13.

#### AECOM Field Surveys – Non-Breeding Wetland Bird Counts

13A.3.50 Large numbers of a wide variety of wetland birds, including waders, ducks, geese, sawbills, cormorants, and gulls (including qualifying species of the various coastal designated sites, and species that are not qualifying features) were recorded on all surveys. The total number of species recorded across all survey areas numbers 75 at low tide and 83 at high tide, of which 20 are qualifying features of one or more of the Ramsars, SPAs and SSSIs listed in Table 13A-3. There is nothing exceptional about the count data in the context of the Teesside area's importance as a stronghold for such species, however the specific methods used for the purposes of this study have enabled some key locations to be identified based on their use as roosts and key feeding areas and this information is presented in the sections that follow.

13A.3.51 Summary count data (peak and mean bird counts by sector for each of The Foundry, Seal Sands and North Tees Marshes survey areas) are provided in Annex H. These identify the peak and mean counts of all species, by sector, which occurred during the AECOM bird counts. They also identify where peak counts of SPA species equalled or exceeded 1% of the SPA population. This information will support the assessments of impacts on water birds in Chapter 13: Ornithology (ES Volume I,

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EN070009/APP/6.2). For the purposes of this baseline report, descriptions of bird distribution and key locations for water birds are provided as follows.

### The Foundry

- 13A.3.52 The habitats that occur immediately adjacent to the Foundry are within a busy industrial site characterised by active and defunct steelworks infrastructure, bulk storage areas, other industrial and ancillary infrastructure. This is punctuated by brownfield habitats, grasslands, occasional ponds, and scattered scrub. Beyond the limits of the working areas, these habitats merge into areas of semi-improved grassland, ephemeral / short perennial vegetation, scattered scrub, dunes, and dune grasslands (which to the north of the Main Site include dune slacks and ponds), beyond which are the coastal and intertidal habitats of the Teesside Coast and Teesmouth. Large parts of the survey area, including Redcar and Coatham Sands and Bran Sands to the north, are characterised by wide open sandy beaches. To the west of the Main Site, at the western edge of the survey area within the mouth of the River Tees, habitats are a combination of artificial structures (piers, dock walls), rocky and sandy shore, small inlets, and a tidal lagoon (Bran Sands Lagoon) and artificial tidal channel (Dabholm Gut).
- 13A.3.53 Low and high tide counts generated similar numbers of wetland bird species (50 and 48 species respectively). The intertidal habitats of Coatham Sands (Sectors 1 and 2), Bran Sands Bay (Sectors 6 and 7 and adjacent terrestrial habitats within Sectors 8 and 8a), Bran Sands Lagoon (Sector 16) and Dabholm Gut (Sector 18) produced the largest species counts regardless of the inclusion of these areas within any designations; the largest numbers of qualifying species of Teesmouth and Cleveland Coast SPA, Ramsar and SSSI also occurred in these sectors. Sectors 3, 4, 5, 5a were not counted systematically and generated no records. Similarly Sectors 11, 17 and 19 within STDC collectively generated very few bird records.
- 13A.3.54 High tide counts followed a similar pattern, but Bran Sands Bay generated larger bird counts, which are likely to be related to the presence of a larger number of high tide roosts scattered around the perimeter of the bay.
- 13A.3.55 Larger numbers of birds were recorded within Sectors 8 and 8a at high tide than at low tide, indicating that the terrestrial habitats here may have some importance to roosting birds during high tide. Sectors 2, 12 and 17 generated no records of wetland birds and Sectors 8 and 15, the latter adjacent to Bran Sands lagoon, supported relatively large counts of mixed gulls, including black-headed and herring gull, that roost there at high tide. Bran Sands Lagoon and Dabholm Gut generated large counts and a diverse range of species, indicating that they provide attractive habitat to wetland birds, in particular redshank, shelduck and teal, at all tidal states.
- 13A.3.56 Bird roosts within the Foundry survey area are summarised in Table 13A-9 and shown on Figure 13A-9, with supporting narrative on these locations and other potentially key areas in the following paragraphs.

Table 13A-9: Details of Roosts Recorded During Surveys of the Main Site from January 2022 to December 2023

REFERENCE	DATE(S) RECORDED	DETAILS <sup>21</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM PROPOSED DEVELOPMENT BOUNDARY	TIDE
F1	25/01/22	Mixed gull roost (common and black – headed gulls)	903 m north-west	322 m north	Low
F2	25/01/22	Mixed gull roost (common gull ( <i>Larus canus</i> ) and black – headed gulls), also loafing and feeding, at least 300 birds. Oystercatcher roost, at least 600 birds Foraging and roosting sanderling and ringed plover	556 m north-east	548 m north	Low
F3	26/01/22 10/02/22 22/02/22 23/02/22 10/03/22 21/09/22 15/08/23	Cormorant / shag ( <i>Phalacrocorax aristotelis</i> ) (min 130); herring gull (min 116); common gull (min 26), great black-backed gull, oystercatcher (min 11), grey plover (min 48), knot (55), dunlin (min 130), ringed plover (min. 10) plus small numbers of turnstone, redshank and sanderling on several rock spits / outcrops Tern roost: Sandwich tern (66) and common tern (54)	1.20 km north-west	479 m north-west	High and Low
F4	26/01/22 17/02/22 29/03/22	Curlew (min 23), oystercatcher (min 24); redshank (70), turnstone (min 15)	790 m north-west	718 m north	High

<sup>21</sup> Counts provided where available. Numbers are minima (using the highest available count recorded) because it can be impossible to view all of habitat unit/roost site. Species in **bold font** are qualifying features (either as individual species or assemblage species) of one or more of Teesmouth and Cleveland Coast SPA/Ramsar/SAC/SSSI, Northumbria Coast SPA and Ramsar, and Durham Coast SSSI. Some locations include feeding as well as roosting birds.



REFERENCE	DATE(S) RECORDED	DETAILS <sup>21</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM PROPOSED DEVELOPMENT BOUNDARY	TIDE
F5	10/02/22 07/08/23	Teal and redshank roost Tern roost: common tern (28), Sandwich tern (8), black tern ( <i>Chlidonias niger</i> ) (2) and roseate tern ( <i>Sterna dougallii</i> ) (1)	1.21 km west	215 m north	High
F6	10/02/22 21/09/22	Mixed gull roost (common, black-headed and herring gulls)	419 m west	25 m north	High
F7	10/02/22 21/09/22	Herring gull roost, also occurring in Sector 14	186 m south	118 m south	High
F8	10/02/22 21/09/22	Teal, lapwing roost; foraging redshank; loafing black – headed gulls. Attractive to waders particularly when water level is low	891 m south- west	Within	High
F9	10/02/22 17/02/22 29/03/22	Redshank roost (min 17)	1.14 km north- west	1.04 km north-west	High
F10	21/09/22	Lapwing Bar-tailed godwit Attractive to waders particularly when water level is low.	618 m south	116 m north-east	High
F11	21/09/22	Teal Shelduck Gadwall Redshank Black-headed gull	905 m south	41 m south	High

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- 13A.3.57 A large gull and oystercatcher roost occurred on the upper shores of Coatham Sands at low tide in January 2022, with sanderling, cormorant, and shag present on most surveys. This record is a close match to the records provided by INCA (see Annex C and Table 13A-5). Sanderling and ringed plover were particularly prevalent on the upper shores of Coatham Sands outside the breeding season.
- 13A.3.58 Bran Sands Bay, as well as clearly being favoured by many species (redshank, oystercatcher, knot, dunlin, bar-tailed godwit, curlew) as a feeding habitat, supported a cluster of roosts around its periphery, the most important of which occurs on the line of rocky outcrops northwards of the small peninsula at its western end, as far as Bran Sands Island, within Sector 7. These roost sites were frequented by shag, herring gull, oystercatcher, dunlin, grey plover, knot, and turnstone. The roosts here are often inundated at high tide resulting in a dynamic situation that involves movements to and from these roosts to other roosts and exposed feeding areas within the wider Teesside area, including Seaton Snook (on the west side of Teemouth), Seal Sands and occasionally the peninsula of land immediately south of the Bran Sands Bay (Sector 8a). A small but regular redshank roost occurred in the small inlet on the north-eastern edge of Bran Sands Bay.
- 13A.3.59 Irrespective of the importance of the wider environs of the Teesside Coastline and the various ornithological designated sites that overlap it, based on the observed regularity and type of habitat use by wetland birds, the following should be regarded as the most important or sensitive areas for wetland birds within the Foundry survey area:
- Bran Sands Bay and the peninsula of land immediately south of it (Sectors 6, 7, 8 and 8a);
  - Bran Sands Lagoon (Sector 16);
  - Dabholm Gut (Sector 18); and
  - Coatham Sands.

#### Seal Sands

- 13A.3.60 Most of the undeveloped habitats adjacent to Seal Sands Bay, along with the bay itself, provide a mix of habitats (open muds / sands; sandy and rocky shores; saline lagoons, ponds and pools; grasslands of varying types; tidal river channels; reedbeds; and saltmarsh) that can be exploited by a wide variety of wetland birds, and a continuity of habitats that enables birds to move freely and easily between them dependent on habitat preferences, conditions and ecological needs at any given time. The surveys recorded 55 species at low tide and 56 species at high tide across the whole survey period.
- 13A.3.61 Sectors 2 and 5 held no birds at low tide while Sectors 5 and 7 held no birds at high tide. However, Sector 2 yielded records of only very small numbers of 2 species at high tide and can therefore be regarded as relatively barren with respect to non-breeding birds.
- 13A.3.62 Low tide counts generated more records overall of wetland birds than high tide counts. At low tide, the exposed mudflats within Seal Sands Bay attracted large
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numbers of mainly wetland birds, reflected in the high counts and / or frequency of occurrence of species such as shelduck, redshank, oystercatcher, dunlin, curlew, knot, grey plover and bar-tailed godwit in Sectors 18 to 20. A variety of ducks (teal, wigeon, shoveler, gadwall, mallard, tufted duck (*Aythya fuligula*) and pochard (*Aythya ferina*), were also present regularly and / or in large numbers but with a distribution bias toward the more sheltered habitats such as the pools within Sectors 4, 22, 23, the saline lagoon within the headland at the eastern end of Seal Sands Bay (Sector 18a) and to a lesser extent the channel of Greatham Creek (Sectors 17, 17a and 21) immediately east of the A178.

- 13A.3.63 At high tide, the surrounding terrestrial habitats supported relatively larger numbers of birds and the majority of species were represented by ducks, geese, red-breasted mergansers (*Mergus serrator*) and gulls rather than waders.
- 13A.3.64 The terrestrial count sectors immediately to the south of Seal Sands Bay (2, 4, 6, 7, 8 and 9) generated small counts of a limited suite of waders and ducks. In the case of several species of wader (curlew, oystercatcher and redshank) some of these counts were attributable to birds roosting and sometimes feeding along the sea wall and adjacent grasslands surrounding the Bay (Table 13A-10) at high tide.
- 13A.3.65 Sectors 22 and 23 (and sub-sectors) across Greenabella Marsh immediately to the west of Seal Sands Bay typically support a small assemblage of ducks and waders and can be particularly well used during adverse conditions of strong winds and / or sea swell. At these times, and during advancing tides, movements of wetland birds were observed along Greatham Creek channel towards the saltmarshes west of the A178, and onto Greenabella Marsh. The habitats around [REDACTED] are suitable for avocet which was recorded breeding there. However, the AECOM and EA data sets do not include confirmed breeding for avocet at this location and therefore contemporary data suggest that the species either no longer breeds there or is not a regular breeder there.
- 13A.3.66 The open short grassland habitats, pools and channels within sectors G4 and G5 to the south of Greatham Creek consistently supported relatively large numbers of waders (mostly curlew and lapwing but also small numbers of oystercatcher, redshank and dunlin in Sector G5), with avocet, little ringed plover and small numbers of whimbrel (*Numenius phaeopus*) on passage and large numbers of teal and wigeon congregating within and immediately around the open water habitats at the northern end of G5. Based on their presence in the area, and the availability of suitable habitat, Schedule 1 waders such as avocet and little ringed plover might breed within Sector G5.
- 13A.3.67 Bird roosts within the Seal Sands survey area are summarised in Table 13A-10 and shown on Figure 13A-10, with supporting narrative on these locations and other potentially key areas in the following paragraphs.

Table 13A-10: Details of Roosts Recorded During Surveys of Seal Sands from January 2022 to December 2023

REFERENCE	DATE(S) RECORDED	DETAILS <sup>22</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM CLOSEST PROPOSED CONNECTION CORRIDORS	TIDE
SS1	11/02/22	Small Curlew roost	4.03 km west	373 m east	High
SS2	11/02/22	Small Oystercatcher roost	4.17 km west	52 m north	High
SS3	11/02/22	Small Turnstone roost	3.10 km west	1.03 km east	High
SS4	17/02/22	Feeding and roosting curlew (9) oystercatcher also roosting in Sector 9	3.34 km west	790 m east	High
SS5	17/02/22	Roosting and Feeding curlew (1) and oystercatcher (6)	2.67 km west	1.02 km north-west	High
SS6	17/02/22	Roosting shag (5) Kittiwake nesting on jetty	2.15 km west	681 m north-east	High
SS7	30/03/22	Small oystercatcher roost on seawall	3.48 km west	674 m east	High
SS8	30/03/22	Small Redshank roost Large curlew and lapwing roost in Sector 18a	2.26 km west	787 m north-west	High
SS9	13/12/22	Red-breasted merganser ( <i>Mergus serrator</i> ) (7), red-throated diver ( <i>Gavia stellata</i> ), long-tailed duck ( <i>Clangula hyemalis</i> ) and Slavonian grebe	4.23 km west	118 m north	Low

<sup>22</sup> Counts provided where available. Where provided, numbers are minima using the highest count available. Species in **bold** font are qualifying features (either as individual species or assemblage species) of one or more of Teesmouth and Cleveland Coast SPA/Ramsar/SSSI, Northumbria Coast SPA and Ramsar, Durham Coast SSSI. Some locations include feeding as well as roosting birds.

REFERENCE	DATE(S) RECORDED	DETAILS <sup>22</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM CLOSEST PROPOSED CONNECTION CORRIDORS	TIDE
		( <i>Podiceps auritus</i> ) all recorded foraging in Greatham Creek. Herring gull (1) [REDACTED]			
SS10	19/12/22	Teal (74) Wigeon (166) Redshank (6) Dunlin (20) Tufted duck (4) Little grebe (1) Black-headed gull (2) Gadwall (14)	4.53 km west	167 m west	High
SS11 <i>Brinefields Sector G4</i>	26/04/23	Whimbrel (7)	4.93 km south-west	43 m west	High
SS12 <i>North end shore of Seal Sands peninsula Sector 18a</i>	23/02/23	Herring Gull (78) Cormorant (15)	2.21 km west	1.12 km north-west	High
SS13	27/07/23	Sandwich tern (29)	2.25 km west	1.12 km west	High

REFERENCE	DATE(S) RECORDED	DETAILS <sup>22</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM CLOSEST PROPOSED CONNECTION CORRIDORS	TIDE
<i>North-west shore of Seal Sands peninsula Sector 18a</i>		Common tern (10)			
SS14 <i>Saltmarsh within Seal Sands peninsula Sector 18a</i>	09/08/23	Lapwing (333) Redshank (202) Curlew (147) Golden plover (44) Grey heron (7)	2.05 km west	931 m west	High

- 13A.3.68 The roost records in Table 13A-10 indicate that the Seal Sands area supports roosting birds predominantly at high tide, which is consistent with the observation that at low tide the extensive exposed intertidal substrates within the bay provide a significant feeding resource that is both relatively sheltered from strong onshore winds and is readily exploited by foraging birds. Additionally, the data support the expectation that the primary interest of this area is as a feeding resource at low tide, with the surrounding onshore habitats being exploited preferentially at high tide when a combination of shelter and foraging resources are required.
- 13A.3.69 None of the roosts summarised in Table 13A-10 were recorded on more than a single survey, however the records do broadly concur with those supplied by INCA (Table 13A-5 and Annex C), the findings of Percival (2015) and with advice provided by Natural England during an informal consultation meeting<sup>23</sup>, including the records of feeding and roosting curlew within and immediately adjacent to the footprint of the Main Site.
- 13A.3.70 In addition to the roosts observed above, and irrespective of the narrative in previous paragraphs, the following areas held large numbers of birds on all surveys and should be regarded as integral to the function of Seal Sands Bay and associated habitats as a key part of the Teesmouth and Cleveland Coast Ramsar / SPA / SSSI:
- Seal Sands Bay was occupied by large numbers of feeding waders at low tide, as well as rafts of shelduck and several non-qualifying species at high tide;
  - Sector 18a (the headland at the east of Seal Sands Bay and the sheltered saline lagoon and saltmarsh habitats within it) held large numbers of feeding and roosting waders and ducks, plus smaller numbers of gulls, on all surveys (High and Low Tide); and
  - Greenabella Marsh was important as a feeding refuge and roost (regardless of tidal state) for waders and ducks. The habitats further inland, to the west, provide further wetland habitat of high value that is contiguous with Greenabella Marsh and is connected to Seal Sands Bay by Greatham Creek. This is discussed further in the following section "*North Tees Marshes*".

### North Tees Marshes

- 13A.3.71 The North Tees Marshes survey area covers a large expanse of saltmarsh, reedbed and wet grassland habitats intersected by a network of tidal creeks and channels, largest of which is Greatham Creek, which drains into Seal Sands Bay. The survey area also includes agricultural land farmed for arable and livestock to the north of Greatham Creek, south of the A1185 and north-west of the railway line that intersects the western edge of the survey area. Additionally, the ponds within the Cowpen landfill site are included in the survey area, as are the grasslands and man-made pools within the "Phillips Tank Farm" oil storage site at the northern end of the survey area.

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<sup>23</sup> Natural England - Initial Engagement, 14 February 2022. In which the relative importance of the sea wall around the perimeter of Seal Sands Bay and some of the adjacent brownfield grasslands for roosting and feeding waders was highlighted.

- 13A.3.72 Target species were recorded totalling 61 species at low tide and 69 species at high tide across all surveys. The distribution of birds at low tide appears to be more diffuse than at high tide, presumably because of the larger areas of habitat available to a greater range of species when intertidal habitats are exposed. However, sectors G9 and B13 at high tide and B19 at both low and high tide returned zero counts. These sectors either offer very little suitable habitat for wetland birds, being a combination of overgrown grassland and / or hard standing; and / or are relatively disturbed by passing human traffic and farm activity. Cowpen landfill ponds (sectors B7 to B12) attracted large numbers of ducks and geese and their relative attractiveness may have contributed to the zero counts within the adjacent stubble field of B13.
- 13A.3.73 The majority of target species occurred in large numbers across the low-lying wet and open habitats either side of the lower reaches of Greatham Creek at both tides (though peak counts were collectively larger at low tide), with numbers dropping away on the north side of Greatham Creek (with the notable exception of Sectors G13 and G13a Phillips Tank Farm) and the highest numbers (both of species and of individuals) occurring in Sectors G3, G6, G7 (NTM5), G8 (NTM2), B15 (NTM1, NTM3 and NTM4) and B16. The counts within B16 are likely to under-represent the true contribution of this sector to the overall count totals and species numbers because this sector was not easily viewed with the available land access for most of the surveys to date and potential viewpoints from B18 could not be used without unacceptable levels of disturbance to birds on the Creek below.
- 13A.3.74 At both low and high tides, the fields south-west of the A1185 between Saltholme Substation and the village of Cowpen Bewley returned modest but fairly consistent peak counts of a limited range of gulls (mostly black-headed), waders (curlew, lapwing, redshank and snipe (*Gallinago gallinago*)) and ducks (mallard and teal). On the opposite side of the road, the grassland and ephemeral pools within Sector G2 returned consistent large counts of ducks (shoveler, teal, mallard, wigeon, shelduck, gadwall) and waders particularly during spring and autumn migration (including curlew, lapwing, redshank, black-tailed godwit and avocet) plus gulls (mainly black-headed)<sup>24</sup>.
- 13A.3.1 Table 13A-11 and Figure 13A-11 summarise the species recorded feeding and roosting on mass within this survey area. However, there is no discernible pattern of habitat use apparent within this data. This is primarily because the expanse of saltmarsh and wetland habitats is so large, and because high tide conditions rarely inundate all of the habitats; typically, the exposed muds and sands of the tidal pool, channels and creeks are submerged at high tide, but the vegetated banks and plateaux between them remain exposed at all times. Consequently, at all tides the distribution of birds is rather diffuse at the scale of the whole survey area.

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<sup>24</sup> Not recorded during formal surveys, but the author has noted the occasional presence of this species when passing through the survey area.



Table 13A-11: Details of Roosts Recorded During Surveys of the North Tees Marshes from January 2022 to December 2023.

REFERENCE	DATE(S) RECORDED	DETAILS <sup>25</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM CONNECTION CORRIDORS	HIGH OR LOW TIDE
NTM1	22/09/22	Redshank Herring gull Lesser black-backed gull ( <i>Larus fuscus</i> ) Black-headed gull	5.05 km west	667 m south-west	High
NTM2	22/09/22	Redshank Dunlin Curlew	5.46 km west	725 m west	High
NTM3	20/12/22	Lapwing Black-tailed godwit Redshank Teal Dunlin Wigeon	5.02 km west	673 m west	High
NTM4	20/12/22	Black-tailed godwit Redshank Dunlin Teal	4.88 km west	526 m west	High

<sup>25</sup> Counts provided where available. Where provided, numbers are minima using the highest count available. Species in **bold** font are qualifying features (either as individual species or assemblage species) of one or more of Teesmouth and Cleveland Coast SPA/Ramsar/SAC/SSSI, Northumbria Coast SPA, Durham Coast SSSI. Some locations include feeding as well as roosting birds.

REFERENCE	DATE(S) RECORDED	DETAILS <sup>25</sup>	DISTANCE FROM MAIN SITE	DISTANCE FROM CONNECTION CORRIDORS	HIGH OR LOW TIDE
NTM5	18/01/23	Wigeon (245) feeding and roosting on banks adjacent to inundated channel	4.86 km west	174 m south-west	High
NTM6	18/01/23	Lapwing (117) Black-headed gull (34)	7.45 km west	1.25 km north-east	High

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### Breeding Bird Surveys

- 13A.3.2 A summary of the bird species recorded at the seven survey sites is provided in Table 13A-12 and the following paragraphs.
- 13A.3.3 The broadleaved woodland at Cowpen Bewley Woodland supported a wide range of common birds that are typical of this habitat type, including several Priority Species: at least four breeding pairs of dunnock, one pair of mistle thrush, one pair of reed bunting and three pairs of sing thrush.
- 13A.3.4 The North Tees site is comparatively small in area and comprises of rough grassland and small woodland clumps of silver birch (*Betula pendula*). A few common birds were recorded breeding. This included three pairs of meadow pipit (*Anthus pratensis*) and a pair of skylark on the grassland. Two pairs of willow warbler (*Phylloscopus trochilus*) were recorded from the woodland.
- 13A.3.5 Rough grassland with some bare ground and scattered bramble (*Rubus fruticosus*) occurs at Navigator Terminals. A few common birds were recorded. This included lapwing (assumed failed breeding attempt) and five and two breeding pairs respectively of meadow pipit and skylark. The brambles supported six and three breeding pairs respectively of whitethroat (*Curruca communis*) and linnet.
- 13A.3.6 The Foundry (West) survey site comprises coastal grassland and scrub and to the east there is also a swamp. A wide range of common bird species were recorded. The grassland supported seven breeding pairs of meadow pipit and skylark (a breeding pair). A total of three breeding pairs of whitethroat were recorded in bramble scrub. The swamp supported two breeding pairs of reed warbler (*Acrocephalus scirpaceus*) and single pairs of sedge warbler (*Acrocephalus schoenobaenus*) and reed bunting.
- 13A.3.7 The Foundry (Centre) survey site comprises of mostly sparsely vegetated land and was subject to activities associated with building demolition and grounds investigation. Only a few common birds were recorded from this comparatively large survey site. The less disturbed grassland with scattered scrub located to the south supported breeding: lapwing (three pairs), meadow pipit (four pairs), skylark (four pairs), whitethroat (two pairs) and grey partridge (one pair).
- 13A.3.8 Foundry (East) survey site comprises some bare ground, grassland, scattered scrub and on the spoil mounds also small areas of woodland. A wide range of bird species were recorded. The woodland habitat supported seven breeding pairs of chiffchaff (*Phylloscopus collybita*) and two pairs of willow warbler. The scrub supported seven breeding pairs of whitethroat and two breeding pairs of linnet. The grassland supported at least two breeding pairs each of meadow pipit and skylark.
- 13A.3.9 The Wilton International survey site is comparatively small in area. The habitats present include a mosaic of young trees, scattered scrub, grassland, ephemeral / short perennial, and hard standing. A few common bird species were recorded. This included single breeding pairs of whitethroat, willow warbler and yellowhammer (*Emberiza citrinella*).

Table 13A-12: Summary of Breeding Birds Recorded at the Survey Sites (including edge territories)

METRICS	COWPEN BEWLEY WOODLAND	NORTH TEES TEMPORARY CONSTRUCTION COMPOUND	NAVIGATOR TERMINALS	FOUNDRY (WEST)	FOUNDRY (CENTRE)	FOUNDRY (EAST)	WILTON INTERNATIONAL
Number of species	26	6	7	19	24	37	8
Number of breeding species	24	6	5	18	19	28	7
Number of breeding NERC section 41 species	4	1	3	4	6	4	1
Number of breeding Red List species	1	1	3	2	4	2	1

<sup>26</sup> One pair of little ringed plover with fledged young was observed [REDACTED] this is not included in the breeding totals as it was outside the survey area but is included in the ornithology baseline for the project overall.

<sup>27</sup> Barn owl observed and presumed breeding at [REDACTED] This has been observed multiple times during surveys for both NZT and H2 Teesside projects and was reported previously within the baseline report and ES chapter supporting the NZT DCO application (see Section 13A-4)

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### Incidental Records

- 13A.3.10 This sub-section summarises the occurrence of species and supporting habitats that have been noted while undertaking formal surveys for wetland birds, rather than through any formal recording protocol.
- 13A.3.11 A barn owl roost has been noted at each of the following locations:
- [REDACTED] where pellets and white splash were observed; and
  - at a [REDACTED] where extensive white splash, numerous pellets of various ages and several moulted adult female feathers were observed.
- 13A.3.12 The latter location includes a limited amount of habitat suitable for barn owls to nest. It is likely to be used all year round for roosting and, potentially for part of the year as a breeding site. The former location is likely to be used as a roost site only because it does not contain any suitable habitat for nesting or rearing young, possessing no safe ledges on which to lay eggs nor any shelter from adverse weather and daylight. While these roosts are not within the Proposed Development or close enough to it to be disturbed during construction, the records validate the identification of this species as a potential receptor that might interact with the Proposed Development when foraging, or might provide roost habitat for barn owls that breed at other locations within the Study Area.
- 13A.3.13 Additionally, there is a limited area of apparently unmanaged grassland with a tall sward and potentially a substantial layer of leaf litter beneath it that could support a population of small mammals. This is likely to constitute suitable foraging habitat for barn owls.
- 13A.3.14 A pair of little ringed plover successfully bred [REDACTED]. This nest site location is known to have been used by this species in previous years.
- 13A.3.15 Avocet and little ringed plover were present during summer 2023 [REDACTED] and this location might ultimately support one or more breeding pairs of these species. Avocet have bred historically adjacent to the [REDACTED] (see Table 13A-6).
- 13A.3.16 Breeding activity by a pair of marsh harriers was recorded at [REDACTED] during June 2023. It is not known if breeding was successful at this location.
- 13A.3.17 [REDACTED] This information was provided in Spring 2023 by an employee of [REDACTED] delivering a Health and Safety briefing to a surveyor prior to access [REDACTED] to one of the survey areas. The record was not followed up because of difficulties gaining access to view the reported breeding location, however for the purposes of this report and the assessments presented in ES Chapter 13 (ES Volume I, EN070009/APP/6.2), it is assumed that the record is accurate and contemporary.
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13A.3.18 Yellow wagtail was recorded breeding within farmland south of Cowpen Bewley during summer 2023 wetland bird counts; counts varied between 1 and 3 individuals predominantly across count sectors G1 and B1, with maximum counts of 2 singing males recorded. At least 2 breeding pairs are estimated to have been present, although no formal counts using a species-specific methodology were undertaken<sup>28</sup>. At least 1 pair was also recorded nesting at Cowpen Bewley landfill.

#### 13A.4 Summary of Key Locations for Birds

13A.4.1 Irrespective of the presence of any designated sites, the entirety of the Teesside coast can be considered to support significant populations of non-breeding birds. The baseline data presented in this report have identified some locations or broad areas that are of particular importance to wetland birds. This is due to their proximity to the Proposed Development and reliance on them by birds either during potentially adverse tide and / or weather conditions, or on a regular basis irrespective of the conditions<sup>29</sup>.

13A.4.2 Within the Foundry survey area these include:

- Dabholm Gut;
- Bran Sands Lagoon;
- Bran Sands Bay;
- the northern edge of Coatham Dunes and the wider coastline of Coatham Sands; and,
- the northern edge of Sector 10.

13A.4.3 Within the Seal Sands survey area these include:

- the entirety of Seal Sands Bay and its periphery, including the sea wall and the promontory / spit of land at its eastern extent;
- Greenabella Marsh including the pools along its southern edge near Greatham Creek;
- Greatham Creek channel; and
- the Brinefields, Tidal Pool channels and saline lagoons south of Greatham Creek channel and east of the A178.

13A.4.4 Within and adjacent to the North Tees Marshes survey area these include:

- all saltmarshes, inundated / wet grassland and pools between the A1185 to the south, the A178 to the East and the railway line to the north-west; and
- the ponds and lagoons at Cowpen Landfill.

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<sup>28</sup> Yellow wagtail were noted during a wetland birds count, the focus of which was to record wetland birds within a specific time frame. Numbers stated in the report narrative are an estimate based on professional judgement and the approximate numbers noted during the survey, but no formal count of this species was undertaken.

<sup>29</sup> The list of key locations may change as baseline data gathering and consultation activities are progressed.

13A.4.5 The terrestrial habitats within the land around Wilton International and most of the industrialised land around Teesport estate, through which various Connection Corridors might be installed, are of very low risk in terms of the potential for wetland birds associated with the various designated sites across Teesside, and for other species at any time of year by virtue of the relatively high disturbance levels, the presence of active industry, and the limited availability of suitable habitats in these areas.

### 13A.5 Identification of Ornithological Receptors

13A.5.1 The following section provides a summary of the key locations that support birds identified within the Study and Survey Areas. Table 13A-13 draws upon the baseline presented in this report, and relevant records drawn from the NZT project baseline, to identify a list of ornithological receptors with the potential to be impacted either adversely or beneficially by the Proposed Development. The list is based on survey visits up to and including December 2023, and will be updated as required following completion of the final surveys in March 2024.

13A.5.2 For the sake of brevity, the table excludes all designated sites from Table 13A-3, all of which will be taken forward for assessment.

13A.5.3 Features can be designated sites, assemblages of species or individual species. A method for valuing each is provided in Sub-section 13A.5. All relevant species and species assemblages are included. Species receptors that are qualifying features of a designated site are considered separately from the designations only where there is merit in doing this. An example of this would be breeding avocet, which in addition to being a qualifying feature of Teesmouth and Cleveland Coast SPA is also a rare breeding species in the UK<sup>30</sup> and is offered enhanced protection under Schedule 1 of the WCA (HM Government, 1981) regardless of the reasons for inclusion as a qualifying feature of the designated site.

### 13A.6 Valuation of Ornithological Features

13A.6.1 The following frames of reference used herein are based on guidance published by the Chartered Institute of Ecology and Environmental Management (CIEEM) (2022):

- international (generally this is within a European context, reflecting the general availability of good data to allow cross-comparison);
- national (Great Britain, but considering the potential for certain ecological features to be more notable (of higher value) in an England context relative to Great Britain as a whole);
- regional (e.g. North-east);
- county (Cleveland);
- borough (Hartlepool, Stockton-on-Tees, or Redcar);

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<sup>30</sup> Avocet are included on the list of native species monitored and reported on by the Rare Breeding Birds Panel (RBBP).

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- local (ecological features that do not meet criteria for valuation at a District or higher level, but that have sufficient value to merit retention or mitigation); and
  - negligible (common and widespread ecological features of such low priority that they do not require retention or mitigation at the relevant location to otherwise maintain a favourable nature conservation status).
- 13A.6.2 For designated sites, the appropriate value is implicit in the type of designation and / or the legislation under which it is designated, i.e. sites designated under international legislation or the domestic equivalent include Ramsar and SPA and are valued accordingly; sites designated under national legislation and of importance nationally include SSSIs and NNRs; sites designated as LNR or LWS are generally of importance at the county scale unless there is a clear rationale for upgrading or downgrading their valuation on a site by site basis, such as their playing a critical supporting role to the function and integrity of a nationally or internationally designated site.
- 13A.6.3 Values have been assigned to relevant species features occurring within the Study Area based on the geographical scale at which that population is important. In doing so, consideration has been given to the perceived importance, rarity, or vulnerability of the species with reference to:
- inclusion as Priority Species on the UK Red or Amber Lists of Conservation Concern (Department for Environment, Food and Rural Affairs (Defra), 2024) and / or on Schedule 41 of the NERC Act (HM Government, 2006);
  - the known abundance of the species within the Teesmouth Bird Club reporting area (Brown, 2022);
  - inclusion as a notified feature of a designated site, where there is a clearly defined rationale for assessing these species separately from the relevant designated site itself; and
  - breeding species monitored by the Rare Breeding Birds Panel (RBBP) (Eaton et al, 2023).
- 13A.6.4 For the purposes of this report, and the assessments in Chapter 13: Ornithology (ES Volume I, EN070009/APP/6.2), borough level or greater is defined as any species that is identified in the county avifauna as “Rare”, “Scarce” or “Fairly Scarce”. Additionally, breeding species monitored by the Rare Breeding Birds Panel (RBBP) that are listed as “Less Scarce”, “Scarce” or “Rare”, depending on the status set out in Brown (2022), assigned a value of “County” or higher.
- 13A.6.5 Assemblages of species that are qualifying features of the Teesmouth and Cleveland Coast SPA and Ramsar site, that occur within land that is functionally linked to the SPA, are also valued separately; this is because qualifying features of designated sites, and by default land that is functionally linked to a designated site, are not necessarily of International “value” in their own right, but they qualify on the basis that the designated site supports internationally important numbers of that species; indeed, even common and widespread species can be listed as qualifying
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features on this basis (for example black-headed gull, which occurred within the Survey Area and is a qualifying assemblage feature of the Teesmouth and Cleveland Coast SPA and Ramsar site).

- 13A.6.6 Species assemblages supporting species that are not qualifying features of designated sites are valued as individual ornithological features using professional judgement and the criteria summarised above to determine value based on the “typicalness” of the assemblage in the context of the location and habitats present.

Table 13A-13: Relevant Ornithological Species Receptors Identified to Date<sup>31</sup>

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Teessmouth and Cleveland Coast SPA / Ramsar site qualifying species						
Avocet (breeding)	Breeds at several locations between [REDACTED]  Recorded throughout the year with peak counts recorded between March and June. The closest breeding colony is within [REDACTED]	Desk study Field surveys	Regional	A 'Less Scarce' breeder in Great Britain (Eaton et al, 2023).	[REDACTED]	[REDACTED]

<sup>31</sup> Multiple locations and/or multiple years of occurrence are available for some species, in which case the distance is measured to the closest known or recorded occupied location. Breeding locations used are those where breeding was confirmed where possible. Approximate distances are provided for receptors represented only by third party records that do not confirm precise locations.

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Little tern (breeding)	<p>Regularly breeds at [REDACTED]</p> <p>Forages over coastal near-shore waters predominantly north of Teesmouth and occasionally present at Coatham Sands.</p> <p>The closest regular breeding colony is within</p>	Desk study NZT	Regional	A 'Less Scarce' breeder in Great Britain (Eaton et al, 2023).	[REDACTED]	[REDACTED]

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	approximately [REDACTED]					
Common tern (breeding)	Regularly breeds at Greenabella Marsh, Cowpen Marsh, Brinefields Saline Lagoon RSPB Saltholme. Regularly forages along tidal River Tees and coastline. Post-breeding flocks roost at Bran Sands Bay and Seal Sands Bay peninsula. Peak counts recorded	Desk study NZT Field surveys	Borough	A 'Fairly Common' breeder in Cleveland (Brown, 2022).	4.75 km west	27 m west

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>between July and August.</p> <p>The closest regularly used breeding colony is within approximately 2.8 km of the Main Site and 30 m of the Connection Corridors.</p>					
Ruff (non-breeding)	<p>Regularly recorded at Cowpen Marsh, Brinefields and RSPB Saltholme.</p> <p>Peak counts recorded between mid-August and mid-October.</p>	<p>Desk study</p> <p>Field surveys</p>	County	<p>A 'Uncommon' migrant and 'Scarce' winter visitor in Cleveland (Brown, 2022).</p>	4.5 km west	<p>Overlapping / immediately adjacent</p>

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	The closest regularly used foraging site is within approximately 4.5 km of the Main Site and 150 m of the Connection Corridors.					
Knot (non-breeding)	Regularly forages on Bran Sands Bay and Seal Sands Bay. Roosts on Seal Sands Bay peninsula and the islands within Bran Sands Bay and at Seaton Snook. The closest regularly used	Desk study Field surveys	Local	A 'Common' migrant and winter visitor in Cleveland (Brown, 2022).	550 m north-west	250 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	foraging and roosting site is within approximately 550 m of the Main Site and 250 m of the Connection Corridors.					
Redshank (non-breeding)	Present throughout the year with peak counts recorded during early-spring and late-autumn. Breeds at Brinefields, Cowpen Marsh and RSPB Saltholme. Regularly forages at Dabholm Gut, Navigator Terminals	Desk study Field surveys	Local	A 'Common' migrant and winter visitor in Cleveland (Brown, 2022).	350 m north-west	80 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	foreshore, Bran Sands Bay, and Seal Sands Bay. Roosts on Seal Sands Bay peninsula. The closest regularly used foraging site is within approximately 350 m of the Main Site and 80 m of the Connection Corridors.					
Sandwich tern (non-breeding)	Forages along tidal River Tees and coastline. Post-breeding flocks roost at Bran Sands Bay and Seal Sands	Desk study Field surveys	Local	A 'Common' migrant in Cleveland (Brown, 2022).	1.2 km west	130 m north



FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>Bay peninsula. Peak counts of post-breeding flocks are recorded between July and August. The closest regularly used roosting site is within approximately 1.1 km of the Main Site and 130 m of the Connection Corridors.</p>					
Northumbria Coast SPA qualifying breeding and non-breeding species not already named above						
Arctic tern (breeding)	On migration forages along tidal River Tees and coastline. Post-breeding flocks	Desk Study Field Surveys	Borough	A 'Fairly Common' migrant (Brown, 2022).	1.2 km west	130 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>roost at Bran Sands Bay and Seal Sands Bay peninsula. Low numbers of post-breeding birds are regularly recorded between July and August.</p> <p>The closest regularly used roosting site is within approximately 1.2 km of the Main Site and 130 m of the Connection Corridors.</p>					
Turnstone (non-breeding)	Regularly forages on Bran Sands Bay and Seal Sands Bay.	Desk Study Field surveys	Borough	A 'Fairly Common' migrant and winter visitor (Brown, 2022).	550 m north-west	130 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>Roosts on Seal Sands Bay peninsula and the islands within Bran Sands Bay.</p> <p>The closest regularly used foraging and roosting site is within approximately 550 m of the Main Site and 130 m of the Connection Corridors.</p>					

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Teessmouth and Cleveland Coast SPA / Ramsar site qualifying non-breeding assemblage species not already named above as qualifying features individually						
Shoveler	Recorded throughout the year with peak counts recorded between September and April. Regularly forages at Greenabella Marsh, Cowpen Marsh, Brinefields Saline Lagoon and RSPB Saltholme. The closest regularly used foraging site is within approximately 4.5	Field surveys	Borough	A 'Fairly Common' resident and 'Uncommon' breeder (Brown, 2022).	4.5 km west	80 m west

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	km of the Main Site and 80 m of the Connection Corridors.					
Gadwall (non-breeding)	Recorded throughout the year with peak counts recorded between August and November. Regularly forages and roosts at Dabholm Gut, Greenabella Marsh and RSPB Saltholme. The closest regularly used foraging and roosting site is	Desk study Field surveys	Local	A 'Common' resident in Cleveland (Brown, 2022).	820 m south	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	within approximately 820 m of the Main Site and within the Connection Corridors.					
Wigeon	Recorded throughout the year with peak counts recorded between October and March. Regularly forages and roosts at Greenabella Marsh, Cowpen Marsh and Brinefields. The closest regularly used foraging and	Field surveys	Local	A 'Common' migrant and winter visitor in Cleveland (Brown, 2022).	4.5 km west	80 m west

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	roosting site is within approximately 4.5 km of the Main Site and 80 m of the Connection Corridors.					
Lapwing	Recorded throughout the year with peak counts recorded between September and February. Regularly forages and roosts at Bran Sands Lagoon, Bran Sands Lagoon, Dabhom Gut, Greenabella Marsh,	Desk Study NZA Field surveys	Local	A 'Common' resident and winter visitor in Cleveland (Brown, 2022).	250 m south	Adjacent

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>Cowpen Marsh and Brinefields. Breeding around the Main Site Navigator Terminals, Brinefields, Cowpen Marsh and RSPB Saltholme. The closest regularly used foraging and roosting site is within approximately 250 m of the Main Site and within the Connection Corridors.</p>					



FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Sanderling	<p>Recorded during spring and autumn migration and over winter. Peak counts recorded in August.</p> <p>Regularly forages along sandy foreshore by Coatham Dunes.</p> <p>The closest regularly used foraging and roosting site is within approximately 600 m of the Main Site and 480 m of the Connection Corridors.</p>	Field surveys	Local	A 'Common' migrant and winter visitor in Cleveland (Brown, 2022).	600 m north	480 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Black-headed Gull	<p>Present throughout the year. Regularly forages and / or roosts at Bran Sands Bay, Bran Sands Lagoon, Dabholm Gut, Greenabella Marsh, Brinefields and Cowpen Marsh. Breeding at Brinefields, Cowpen Marsh and RSPB Saltholme. The closest regularly used roosting site is within approximately 460 m of the Main Site</p>	Field surveys Desk study	Local	A 'Common' resident and winter visitor in Cleveland (Brown, 2022).	460 m south	50 m east

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	and 50 m of the Connection Corridors.					
Herring Gull	Present throughout the year. Regularly forages along the Teesside coast and river. Regularly roosts on the islands in Bran Sands Bay and Seal Sands Bay peninsula. Peak counts recorded in February. Has bred at the Main Site and regularly breeds at Hartlepool Headland.	Field surveys	Local	A 'Common' resident and winter visitor in Cleveland (Brown, 2022).	300 m south-west	50 m east

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	The closest regularly used roosting site is within approximately 300 m of the Main Site and 50 m of the Connection Corridors.					
Teesmouth and Cleveland Coast SSSI species (additional to those listed under SPA / Ramsar site qualifying features)						
Purple sandpiper (non-breeding)	Mainly recorded in spring and late-autumn. Forages and roosts on the rocks along Bran Sands Bay and South Gare. The closest regularly used roosting site is	Desk study Field surveys	Borough	A 'Fairly Common' migrant and winter visitor (Brown [Ed.], 2022).	780 m north-west	710 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	within approximately 780 m of the Main Site and 710 m of the Connection Corridors.					
Shelduck	Recorded throughout the year with peak counts recorded during early-spring and late-autumn. Regularly forages at Dabholm Gut, Navigator Terminals foreshore, Bran Sands Bay, and Seal Sands Bay. The closest regularly used	Desk Study Field Surveys	Local	A 'Common' resident (Brown, 2022).	450 m north-west	130 m north-west

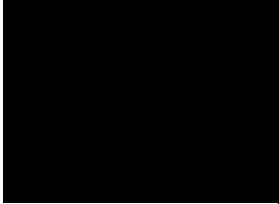
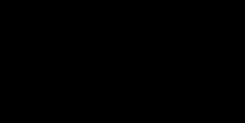
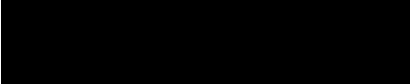
FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	foraging site is within approximately 450 m of the Main Site and 130 m of the Connection Corridors.					
Ringed plover (non-breeding)	Recorded more abundantly during spring and autumn migration. Peak counts recorded in August. Regularly forages at Coatham Dunes foreshore, Bran Sands Bay, and Seal Sands Bay. Has bred close to the Main Site and	Desk Study NZA	Local	A 'Common' resident and winter visitor in Cleveland (Brown, 2022).	172 m east	480 m north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	regularly breeds at Seaton Carew. The closest regularly used foraging site is within approximately 600 m of the Main Site and 480 m of the Connection Corridors.					
Durham Coast SSSI species (additional to those species listed above)						
Kittiwake (breeding)	Recorded during the summer with peak counts recorded in July. Nests on the River Tees jetties and at	Desk Study Field Surveys	Local	An 'Abundant' breeder and migrant in Cleveland (Brown, 2022).	Within (Foraging and roosting)	100 m west

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	Hartlepool Headland. The closest regularly used foraging and roosting site is within the Main Site and 100 m of the Connection Corridors.					
Regularly occurring species and assemblages (local or higher value only, excluding species that are reasons for designation of the above designated sites)						
Bittern (breeding)	Historical breeding a [REDACTED] The closest historic breeding site is within approximately [REDACTED]	Desk study NZN	Regional	A 'Rare' breeder in Great Britain (Eaton et al, 2023).	6 km south-west	190 m south



FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	[REDACTED]					
Marsh harrier (breeding)	Breeding a [REDACTED] and has bred at [REDACTED] Roosting at [REDACTED]  The closest breeding site is within [REDACTED]	Field surveys	Regional	A 'Scarce' breeder in Great Britain (Eaton et al, 2023).	[REDACTED]	
Bearded tit ( <i>Panurus biarmicus</i> ) (breeding)	Historical breeding at [REDACTED]	Desk study	Regional	A 'Scarce' breeder in Great Britain (Eaton et al, 2023).	[REDACTED]	[REDACTED]

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	The closest historic breeding site is within 					
Little ringed plover (breeding)	Regularly breeds and / or forages at  The closest regularly used breeding site is approximately 130 m from the Main Site and within the	Desk Studt NZT Field Surveys	County	A 'Uncommon' breeder and summer visitor (Brown, 2022).		

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	[REDACTED]					
Barn owl (breeding)	<p>Regularly breeds and forages a [REDACTED]</p> <p>[REDACTED]</p> <p>The closest regularly used breeding site is within [REDACTED]</p>	Desk Studt NZT Field Surveys	County	A resident 'Uncommon' breeder (Brown, 2022).	[REDACTED]	[REDACTED]

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Peregrine (breeding)	Regular breeding in the North Tees area. The closest breeding site is within [REDACTED]	Field Surveys Third Party Records	County	A resident 'Scarce' breeder (Brown, 2022).	[REDACTED]	[REDACTED]
Cettis' warbler (breeding)	Historical breeding and / or confirmed presence during the breeding [REDACTED]	NZT	County	A resident 'Uncommon' breeder (Brown, 2022).	[REDACTED]	[REDACTED]

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>The closest historic breeding / potential breeding site is within</p> <div style="background-color: black; width: 100%; height: 100%;"></div>					
Yellow wagtail (breeding)	<p>Regularly breeds on the wet grasslands south of Cowpen Bewley. The closest regularly used breeding site is within approximately 7km of the Main Site and within the</p>	Field surveys Desk study / consultation	County	A 'Uncommon' breeder and summer visitor (Brown, 2022).	7 km west	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	Connection Corridors.					
Breeding bird assemblage (Cowpen Bewley Woodland Park)	Breeding and foraging in broadleaved woodland, scrub, and grassland. The breeding assemblage is within approximately 7.8km of the Main Site and within the Connection Corridors.	Field surveys	Borough	24 breeding species, including: one Red List, two Amber List one S41 species.	7.59 km west	Overlapping
Breeding bird assemblage (Coatham Dunes)	Breeding and foraging in scrub, dune grassland,	NZT (2018)	Borough	19 breeding species including: two Red List, 10 Amber List and five S41 species. Includes 17 pairs of skylark	Immediately north	Immediately north

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	dune slacks and ponds.			and a range of dabbling ducks and passerines.		
Breeding bird assemblage (the Main Site)	Breeding and foraging in scrub and grassland. The breeding assemblage is within the Main Site and Connection Corridors.	Field surveys	Local	14 breeding species, including: two Red List, eight Amber List and four S41 species.	Overlapping	Overlapping
Breeding Bird Assemblage (Connection Corridor between Tod Point Substation and A1053 / A1058 south of Teesside Works Lackenby)	Breeding and foraging in broadleaved trees and scrub. The breeding bird assemblage is within approximately 1.2	NZT (2020)	Local	14 breeding species, including: one Red List, seven Amber List, and two listed on S41.	1.1 km south	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	km of the Main Site and within the Connection Corridors.					
Breeding bird assemblage (Wilton International)	Breeding and foraging in broadleaved trees, scrub, and grassland. The breeding bird assemblage is within approximately 2.6 km of the Main Site and within the Connection Corridors.	Field surveys	Local	7 breeding species, including: one Red List, two Amber List and one listed on S41.	2.7 km south	Overlapping



FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Breeding bird assemblage (Navigator Terminal)	Breeding and foraging in scrub and grassland. The breeding bird assemblage is within approximately 1.4 km of the Main Site and within the Connection Corridors.	Field surveys NZT (2022)	Local	5 breeding species, including: three Red List, one Amber List and four S41 species.	1.2 km west	Overlapping
Breeding bird assemblage (Saltholme temporary construction compound)	Breeding and foraging in broadleaved woodland / scrub and open grassland. The breeding bird assemblage is within	NZT (2022)	Local	17 breeding species, including: two Red List, six Amber List and Five S41 species	6.2 km south-west	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	approximately 6.5 km of the Main Site and within the Connection Corridors.					
Breeding bird assemblage (Saltholme substation)	Breeding and foraging in broadleaved woodland, scrub, and grassland. The breeding bird assemblage is within approximately 6.4 km of the Main Site and within the Connection Corridors.	NZT (2018)	Local	8 breeding species, including: one Red List, two Amber List and one S41 species.	6.3 km south-west	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
Breeding bird assemblage (Temporary construction compounds at Haverton Hill)	Breeding and foraging in trees and scrub. The breeding bird assemblage is within approximately 8.4 km of the Main Site and within the Connection Corridors.	NZT (2022)	Local	15 breeding species, including: six Amber List and two S41 species.	7.8 km south-west	Overlapping
Breeding bird assemblage (Haverton Hill temporary construction compound)	Breeding and foraging in trees, scrub, and hedgerows. The breeding bird assemblage is within approximately 7.9 km of the Main Site	NZT (2020)	Local	9 breeding species, including: four Amber List species and one S41 species.	7.4 km south-west	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	and within the Connection Corridors.					
Non-breeding water bird assemblage (Across the entire Teesside area)	Including the coastal near shore waters around North Gare, Sneaton Snook, Seal Sands Bay peninsula, Teesmouth, Bran Sands Bay, South Gare and Coatham Dunes foreshore which regularly attracts a range of migratory and winter visiting waterbirds. This includes scarce	Desk study Field surveys	Regional	High density and diversity of waterbird species.	Overlapping	Overlapping

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>species and large flocks of some species that are also not mentioned above:</p> <ul style="list-style-type: none"> <li>• ducks (eider (<i>Somateria mollissima</i>), common scoter (<i>Melanitta nigra</i>), long-tailed duck, goldeneye (<i>Bucephala clangula</i>), and red-breasted merganser);</li> <li>• waders (at least a further 20 species that are</li> </ul>					

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>regularly recorded, such as: curlew sandpiper (<i>Calidris ferruginea</i>), Temminck's stint (<i>Calidris temminckii</i>), little stint (<i>Calidris minuta</i>), Jack snipe (<i>Lymnocyptes minimus</i>), green sandpiper (<i>Tringa ochropus</i>), wood sandpiper (<i>Tringa glareola</i>),</p>					

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>spotted redshank (<i>Tringa erythropus</i>), and greenshank (<i>Tringa nebularia</i>);</p> <ul style="list-style-type: none"> <li>• gulls (such as Mediterranean (<i>Ichthyaetus melanocephalus</i>) and Caspian (<i>Larus cachinnans</i>);</li> <li>• terns (roseate, Arctic and black);</li> <li>• skuas (such as pomarine (<i>Stercorarius pomarinus</i>) and</li> </ul>					

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>Arctic (<i>Stercorarius parasiticus</i>);</p> <ul style="list-style-type: none"> <li>• auks (such as guillemot (<i>Uria aalge</i>) and razorbill (<i>Alca torda</i>));</li> <li>• divers (such as red-throated and black-throated (<i>Gavia arctica</i>));</li> <li>• gannet (<i>Morus bassanus</i>); and,</li> <li>• shag.</li> </ul> <p>The Teesmouth non-breeding bird assemblage occurs predominantly</p>					



FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	<p>within coastal and inland wetland habitats including open waters and marshy terrestrial habitats across the majority of the Study Area. While some of the species (such as divers, grebes and auks are restricted to open waters, others (such as gulls, some waders, geese, and swans) are more widespread. It is therefore not possible to provide a well defined single spatial point</p>					

FEATURE	DESCRIPTION OF FEATURE KEY LOCATIONS AND THEIR DISTANCE FROM THE PROPOSED DEVELOPMENT	PRINCIPAL DATA SOURCE(S)	VALUE	RATIONALE FOR VALUATION	PROXIMITY TO MAIN SITE	PROXIMITY TO PROPOSED DEVELOPMENT SITE
	of reference for this feature.					

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## FIGURES

Figure 13-A-1: Location and layout of Proposed Development

Figure 13-A-2: Desk Study Areas

Figure 13-A-3: Net zero Teesside Breeding Bird Survey Areas

Figure 13-A-4a: AECOM Wetland Bird Count Sectors (Main Site)

Figure 13-A-4b: AECOM Wetland Bird Count Sectors (Seal Sands)

Figure 13-A-4c: AECOM Wetland Bird Count Sectors (North Tees Marshes)

Figure 13-A-5: AECOM Breeding Bird Survey Locations

Figure 13-A-6: Statutory Designated Sites with Ornithology features

Figure 13-A-7: Non-Statutory Designated Sites with Ornithology Features

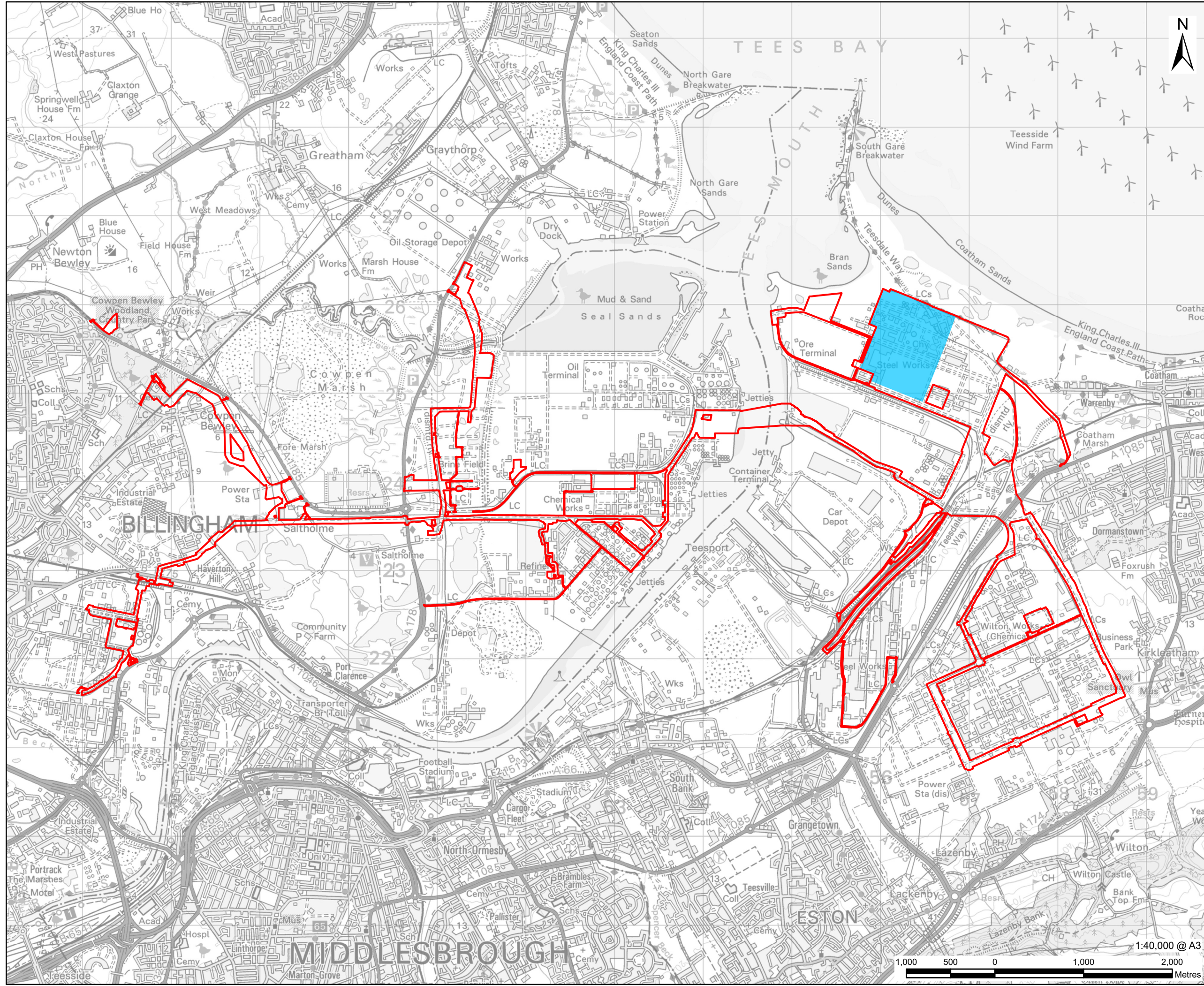
Figure 13-A-8: Natural England Seal Sands Low Tide Bird Count Sectors

Figure 13-A-9: Bird Roosts (Main Site)

Figure 13-A-10: Bird Roosts (Seal Sands)

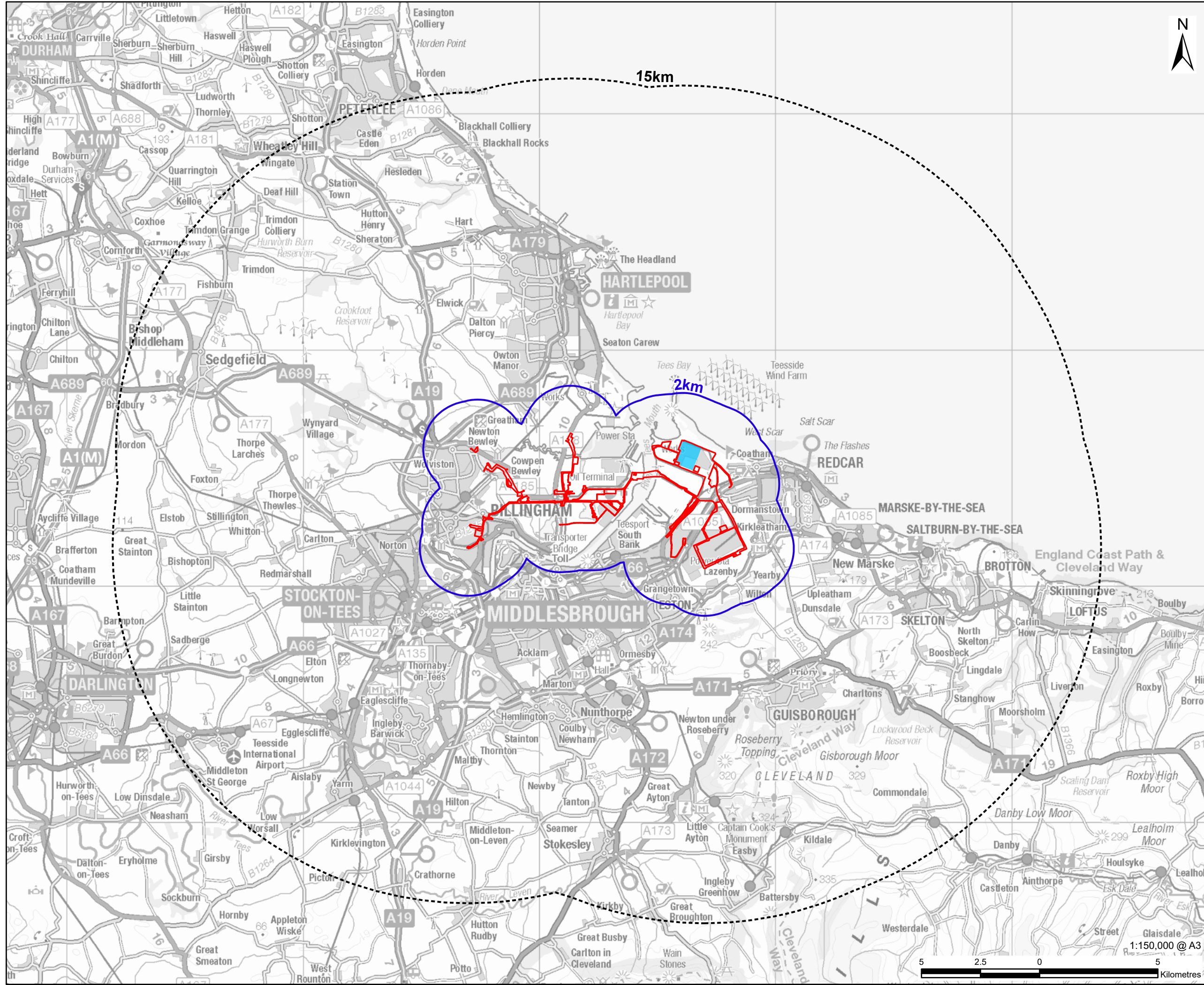
Figure 13-A-11: Bird Roosts (North Tees Marshes)





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**CONSULTANT**  
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Cathedral Approach,  
Manchester, M3 7FB  
www.aecom.com

- LEGEND**
- Proposed Development Site
  - Non-statutory Designations and Species And Local Statutory Designations - 2 km Study Area
  - International and National Statutory Designations - 15 km Study Area
  - Main Site

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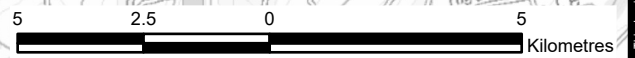
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Environmental Statement

**PROJECT NUMBER**  
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Desk Study Areas

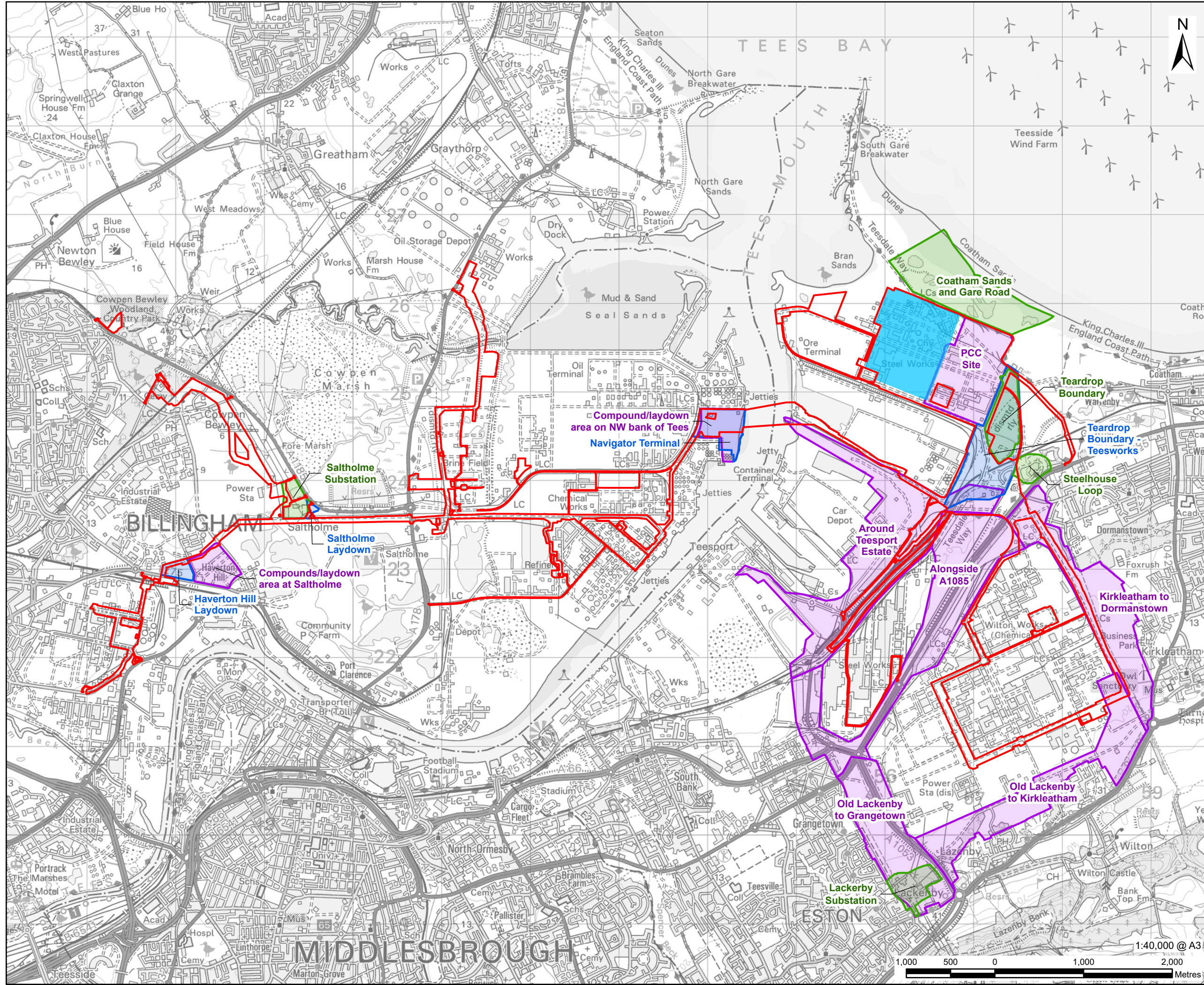
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**LEGEND**

- Proposed Development Site
- Main Site

**Breeding Bird Survey Area (NZT)**

- 2018
- 2020
- 2022

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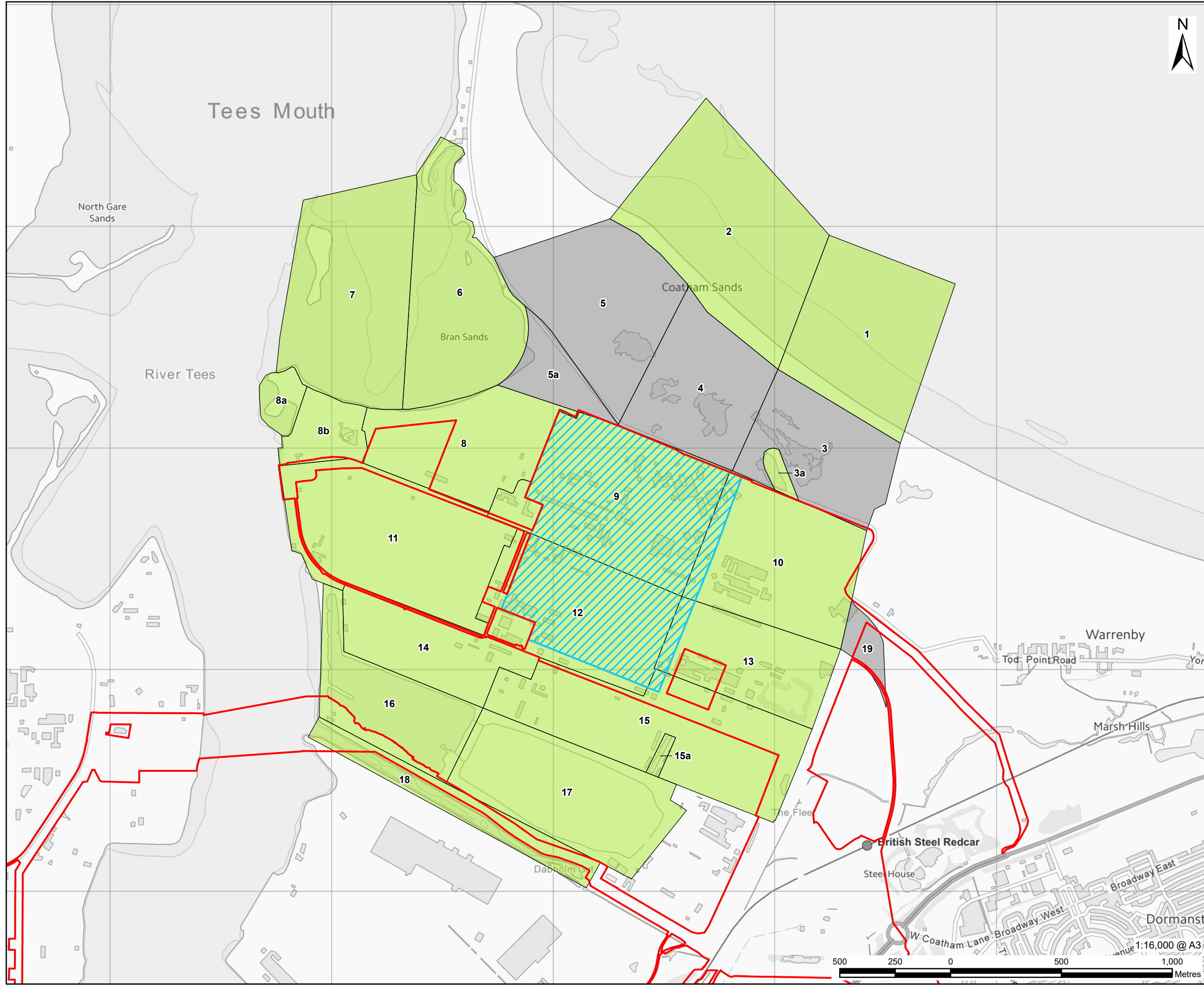
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Net Zero Teesside Breeding Bird Survey Areas

**FIGURE NUMBER**  
Figure 13-A-3







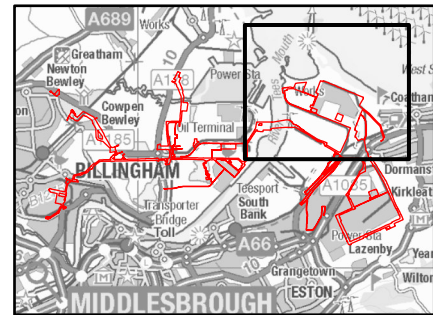
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**LEGEND**

	Proposed Development Site
	Main Site
<b>AECOM Bird Count Sector</b>	
<b>Status</b>	
	Active
	Inactive



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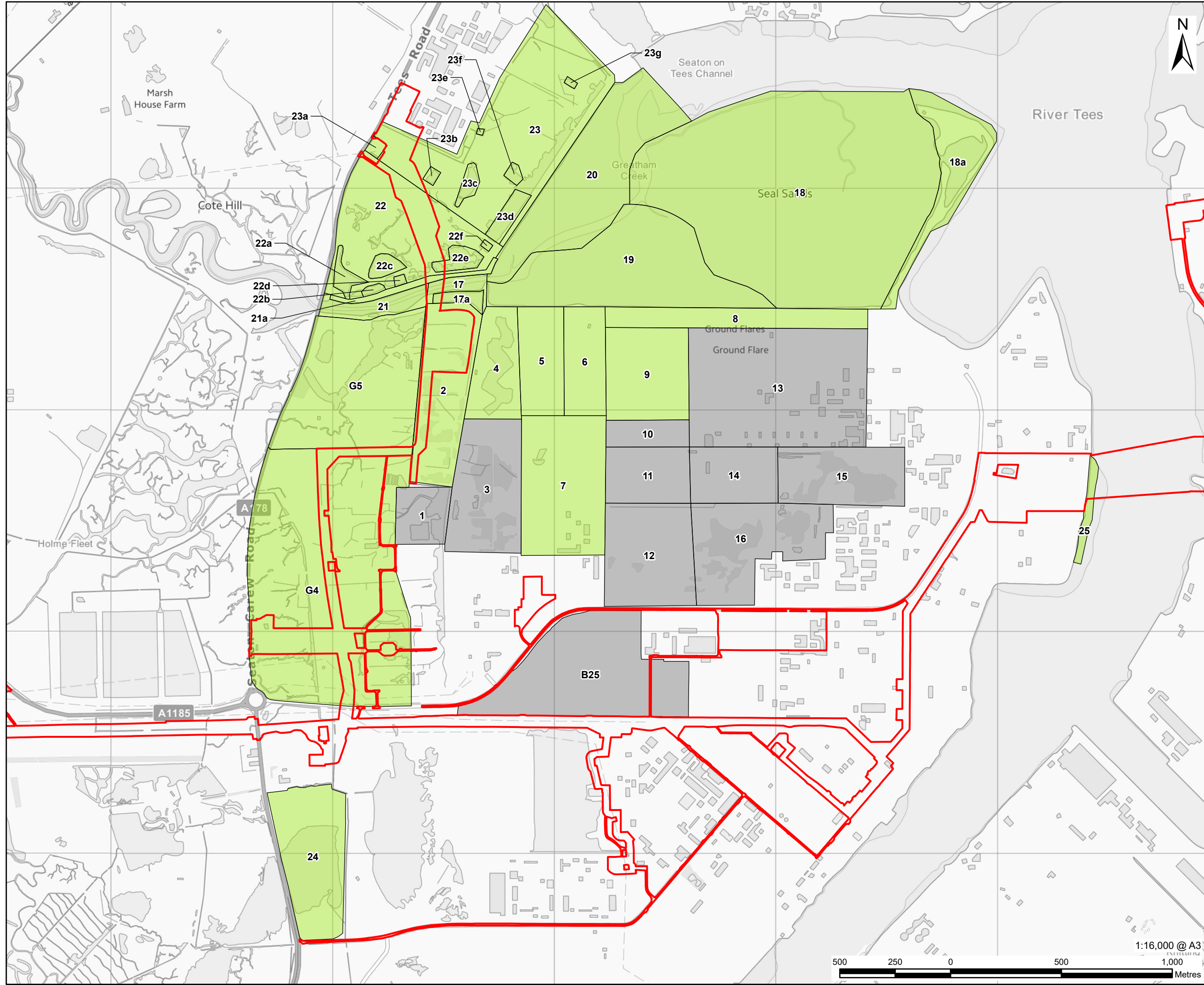
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**FIGURE TITLE**  
AECOM Wetland Bird Count Sectors  
(The Foundry)

**FIGURE NUMBER**  
Figure 13-A-4a

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**LEGEND**

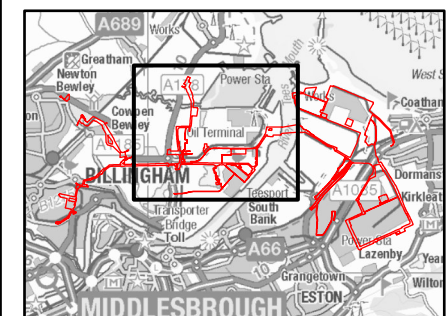
Proposed Development Site

**AECOM Bird Count Sector**

**Status**

Active

Inactive



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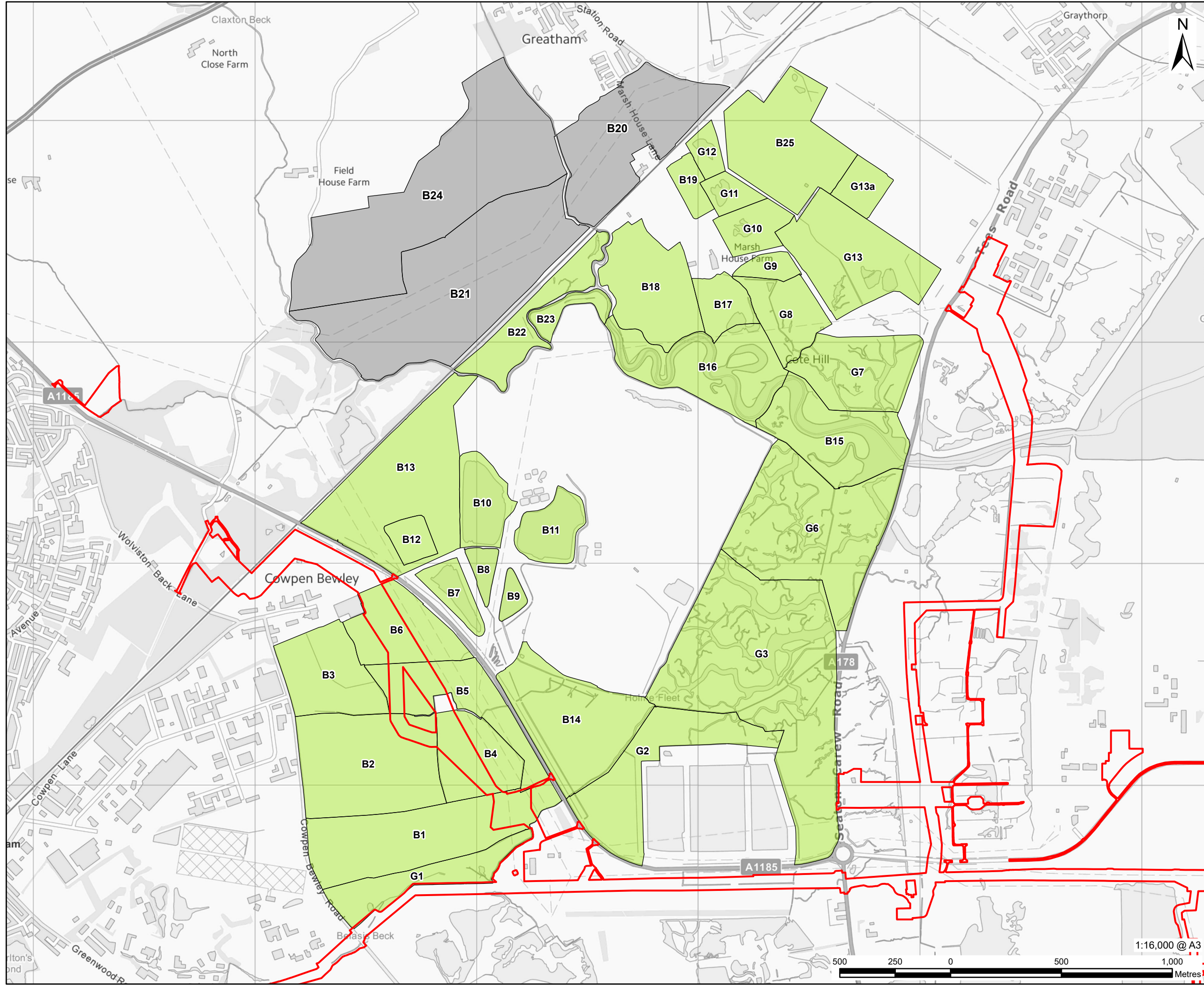
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AECOM Wetland Bird Count Sectors  
(Seal Sands)

**FIGURE NUMBER**  
Figure 13-A-4b



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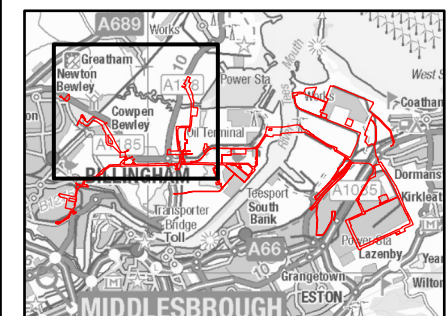
**LEGEND**

- Proposed Development Site

**AECOM Bird Count Sector**

**Status**

- Active
- Inactive



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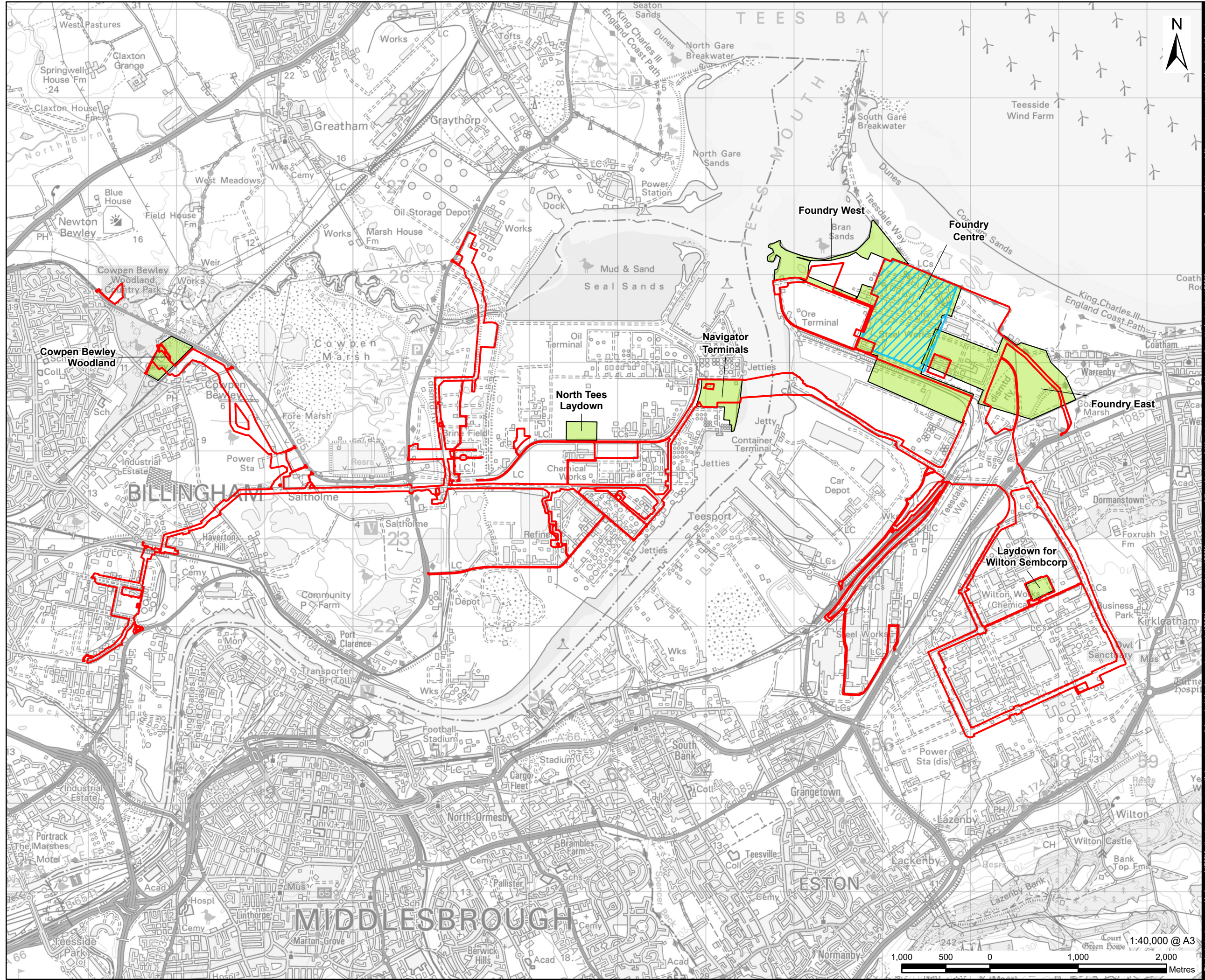
**FIGURE TITLE**  
AECOM Wetland Bird Count Sectors  
(North Tees Marshes)

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Figure 13-A-4c



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**LEGEND**

- Proposed Development Site
- Main Site
- Breeding Bird Survey Area

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Environmental Statement

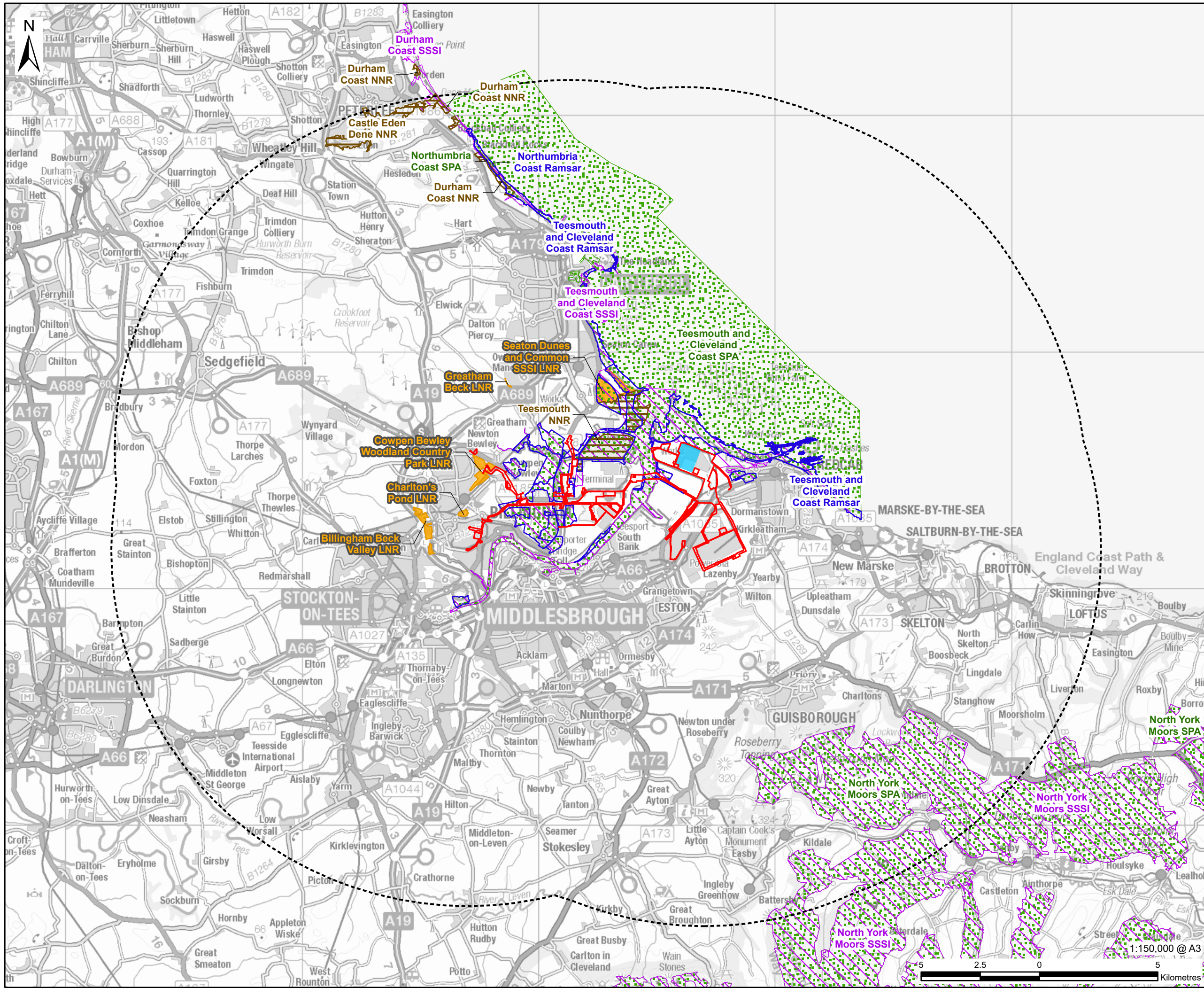
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**FIGURE TITLE**  
AECOM Breeding Bird Survey Locations

**FIGURE NUMBER**  
Figure 13-A-5

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**LEGEND**

	Proposed Development Site
	Proposed Development Site - 15 km Buffer
	Main Site
	Local Nature Reserve (LNR)
	National Nature Reserve (NNR)
	Ramsar
	Special Protection Area (SPA)
	Site of Special Scientific Interest (SSSI)

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Environmental Statement

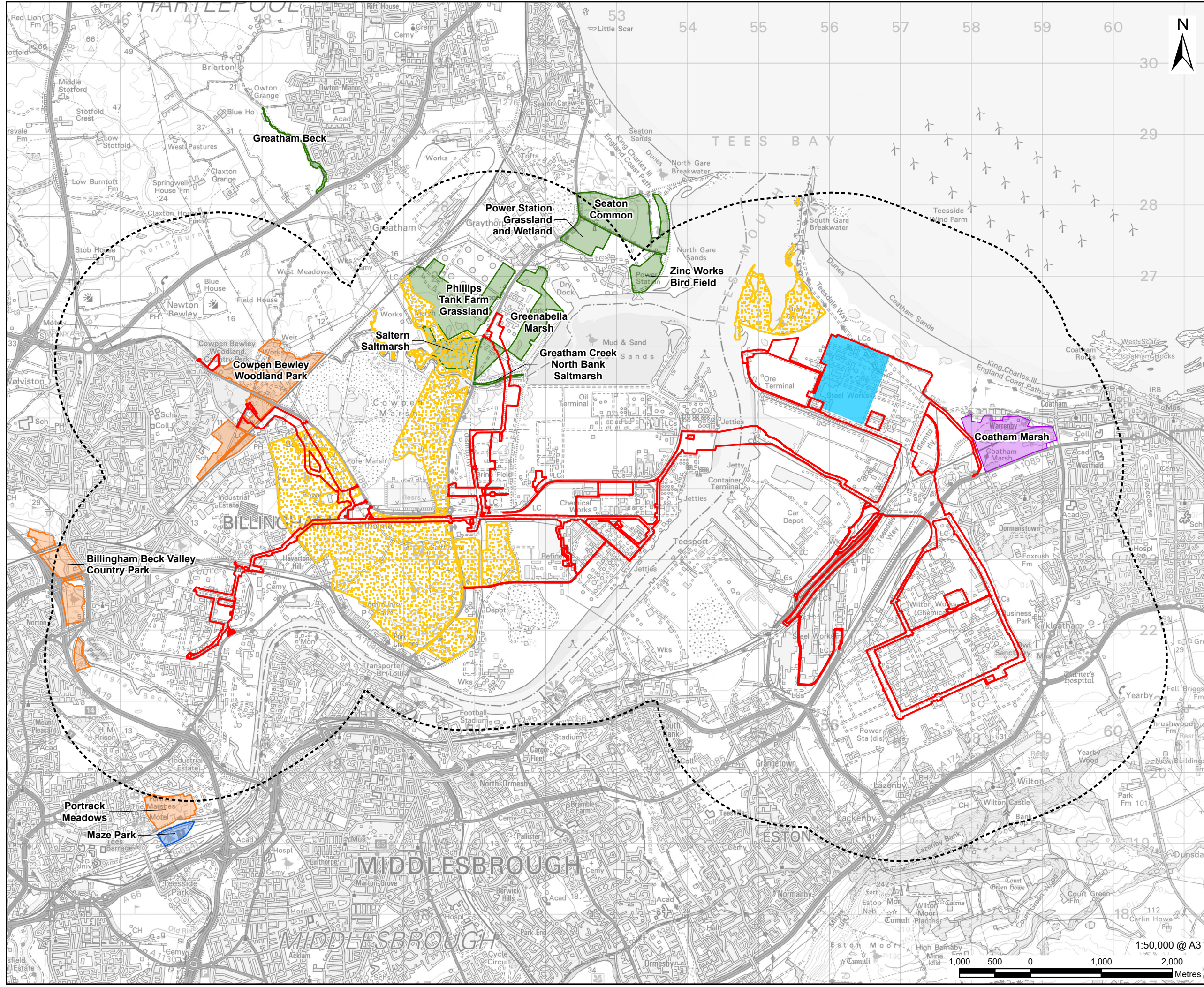
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**FIGURE TITLE**  
Statutory Designated Sites with Ornithology Features

**FIGURE NUMBER**  
Figure 13-A-6

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**LEGEND**

- Proposed Development Site
- Proposed Development Site - 2 km Buffer
- Main Site
- Saltholme RSPB Reserve
- Local Wildlife Site (LWS)**
- Hartlepool
- Stockton
- Redcar and Cleveland
- Middlesbrough

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Environmental Statement

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**FIGURE TITLE**  
Non-Statutory Designated Sites with Ornithology Features

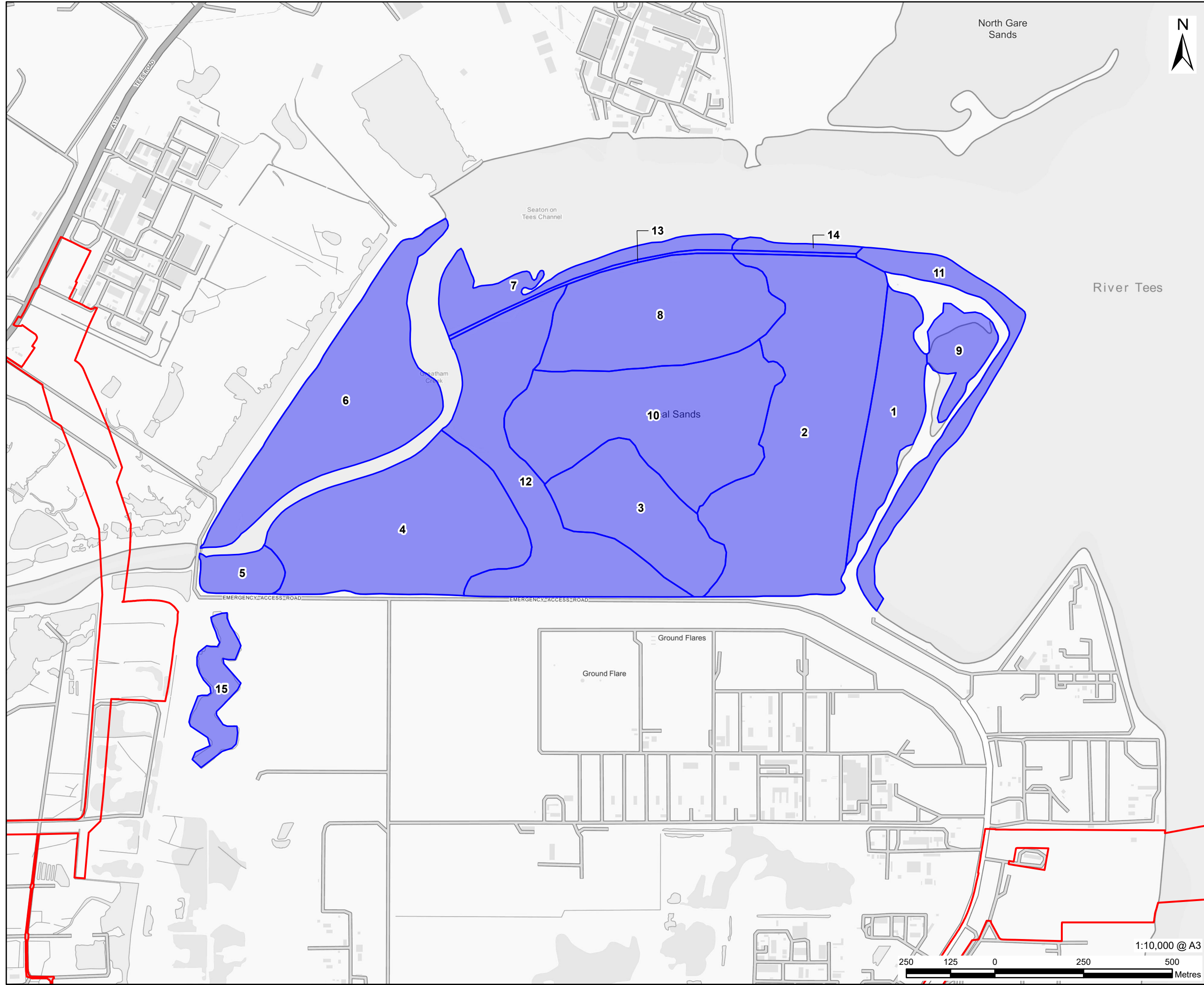
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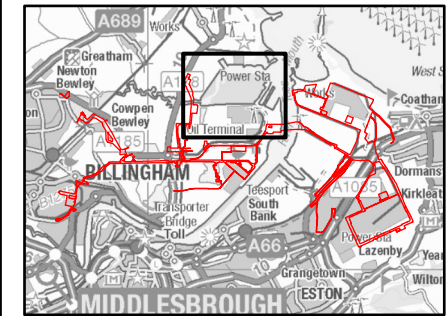
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**LEGEND**

- Proposed Development Site
- Natural England Seal Sands Low Tide Bird Count Sector



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Environmental Statement

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**FIGURE TITLE**  
Natural England Seal Sands Low Tide Bird Count Sectors

**FIGURE NUMBER**  
Figure 13-A-8



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# AECOM

## PROJECT

H2Teesside DCO

## APPLICANT

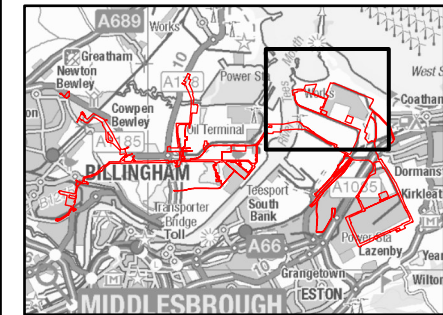
H2 Teesside Limited

## CONSULTANT

AECOM Limited  
100 Embankment,  
Cathedral Approach,  
Manchester, M3 7FB  
www.aecom.com

## LEGEND

- Proposed Development Site
- Main Site
- Wetland Bird Roost Location (Point)



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## ISSUE PURPOSE

Environmental Statement

## PROJECT NUMBER

60689030

## FIGURE TITLE

Bird Roosts (The Foundry)

## FIGURE NUMBER

Figure 13-A-9

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**PROJECT**

H2Teesside DCO

**APPLICANT**

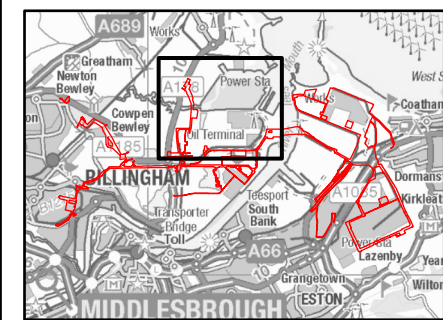
H2 Teesside Limited

**CONSULTANT**

AECOM Limited  
100 Embankment,  
Cathedral Approach,  
Manchester, M3 7FB  
www.aecom.com

**LEGEND**

- Proposed Development Site
- Wetland Bird Roost Location (Point)



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**ISSUE PURPOSE**

Environmental Statement

**PROJECT NUMBER**

60689030

**FIGURE TITLE**

Bird Roosts (Seal Sands)

**FIGURE NUMBER**

Figure 13-A-10

**PROJECT**

H2Teesside DCO

**APPLICANT**

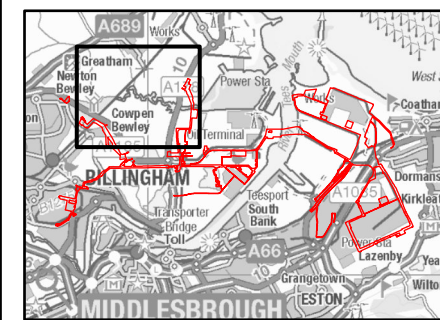
H2 Teesside Limited

**CONSULTANT**

AECOM Limited  
100 Embankment,  
Cathedral Approach,  
Manchester, M3 7FB  
www.aecom.com

**LEGEND**

- Proposed Development Site
- Wetland Bird Roost Location (Point)
- Wetland Bird Roost Location (Area)



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**ISSUE PURPOSE**

Environmental Statement

**PROJECT NUMBER**

60689030

**FIGURE TITLE**

Bird Roosts (North Tees Marshes)

**FIGURE NUMBER**

Figure 13-A-11

## ANNEX A: AECOM WETLAND BIRD SURVEY METADATA

### The Main Site

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
25.01.22	08:05	16:28	LT	1.85m, 14:31	12:39 - 16:50	2, SW	8	1 km to Poor	3	None	8 (S)	11, 14, 16-18	No land access
26.01.22	08:03	16:30	HT	4.46 m, 09:39	07:55 - 11:28	4, SW	6	1 km +	5	None	10 (DW)	8, 8a, 8b, 11, 14, 16-18	No land access
10.02.22	07:36	17:01	HT	4.04 m, 10:39	08:25 - 12:35	4 to 6, SW-WSW	0	3 km +	2 to 12	None	1 (DW), 6 (DW, S), 7 (S, B)	None	N/A
17.02.22	07:21	17:15	HT	5.25 m, 16:20	14:30 - 17:10	6, W	2 to 3	5 km +	7	None	1 (W), 2 (W), 6 (SB)	3-5, 8-19	No land access
22.02.22	07:16	17:28	LT	1.36 m, 13:13	11:08 - 13:15	5/gusting 6 W	3 to 6	5 km +	10	Brief rain squall	1 (DW), 2 (DW), 6 (BD), 7 (BD)	3-5, 8-19	No land access
23.02.22	07:07	17:28	LT	1.59 m, 14:00	11:45 - 14:00	6/gusting 7 SW	4	5 km +	11	None	6 (BD), 7 (BD)	3-5, 8-19	No land access
09.03.22	06:35	17:56	LT	1.8 m, 13:45	11:20 - 16:20	5, S	4	5 km +	11 to 13	None	6 (BD), 7 (BD)	3, 4, 5, 18, 19	No land access

<sup>32</sup> W = Walker(s); DW = Dog Walker(s)-dogs off lead; DWL = Dog Walker(s)-dogs on lead; JR = Jogger/runner; C = Cyclist; OR=Other recreational user; P = Predator; G = Gunshot; C = Construction noise; I = Industry/dock activity; HR = Horse rider; BD = Bait digger; A = Angler; S = Surveyor; T = Tide; N = Natural disturbance; V = Vehicle; B = Boat/ship; SB =Small boat/kayaker/windsurfer; AC = Aircraft; JS = Jet ski; O = Other (specify); D = Demolition works; AS = Aggregate stockpiling; GI = GI works; F = Farm vehicle activity

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
10.03.22	06:33	17:57	HT	4.2 m, 08:36	07:00 - 11:00	3, SSW	2	5 km +	8 to 14	None	7 (S), 8b (S)	3, 4, 5, 18, 19	No land access
29.03.22	06:45	19:34	HT	4.8 m, 14:46	12:30 - 16:30	2, NE	8	3 km +	9 to 10	None	7 (S), 8 (S), 8b (S), 15 (S)	3, 4, 5, 18, 19	No land access
30.03.22	06:43	19:36	LT	1.3 m, 09:38	07:30 - 11:40	3, NE	8	5 km +	3 to 4	Sleet	6 (BD), 7 (BD)	3, 4, 5, 18, 19	No land access
21.09.22	06:48	19:07	HT	4.3 m, 13:58	11:58 - 15:59	3, SSW	3 to 8	3 km +	17 to 20	None	1 (DW), 2 (DW), 6 (S), 7 (DW), 8 (S), 8a (S), 11 (S), 15 (S), 15a (S), 16 (S)	18	No land access
23.09.22	06:52	19:01	LT	1.38 m, 09:19	07:40 - 11:00	1 to 3, NW	0 to 1	3 km +	9 to 13	None	2(DW), 6(DW, W), 7(DW, BD)	None	N/A
23.09.22	06:51	19:02	LT	1.38 m, 09:19	07:19 - 11:10	1, NNW	0 to 1	3 km +	8 to 14	None	8a (S), 11 (S), 15 (S), 15a (S), 16 (S)	16, 18	Restricted view of Sector 16 from edge of Sector 14
11.10.22	07:25	18:17	LT	0.6 m, 11:34	09:30 - 13:30	2, SSW	3 to 7	3 km +	10 to 14	None	8a (S), 15a (S), 16 (S)	16, 18	No land access (including Sector 14 to

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
													view Sector 16)
11.10.22	07:25	18:17	LT	0.6 m, 11:34	09:30 - 13:30	2, SSW	3 to 7	3 km +	10 to 14	None	6 (DW, W), 7 (DW, W)	None	N/A
19.10.22	07:41	17:59	HT	4.0 m, 12:02	10:00 - 12:30	2, ENE	8	3 km +	11 to 13	None	1 (W), 6 (DW), 7 (DW), 8a (S), 16 (S)	16, 18	No land access (including Sector 14 to view Sector 16)
02.11.22	07:08	16:28	HT	4.4 m, 10:15	08:15 - 11:15	3 to 4, S	8	3 km +	8 to 11	None	7 (S), 8a (S)	16, 18	No land access (including Sector 14 to view Sector 16)
02.11.22	07:08	16:28	HT	4.4 m, 10:15	08:15 - 11:15	3 to 4, S	8	3 km +	8 to 11	None	None	None	N/A
10.11.22	07:24	16:12	LT	1.1 m, 10:36	08:15 - 11:45	5, SSW	8	3 km +	12 to 15	None	8a (S), 15a (S), 16 (S)	18	No land access
10.11.22	07:24	16:12	LT	1.1 m, 10:36	08:30 - 11:15	5, S	8	3 km +	13	None	None	None	N/A
13.12.22	08:19	15:39	LT	1.9 m, 12:24	10:30 - 14:20	1, SW	8	1 km	-1	None	6 (S), 7 (S), 8a (S)	18	No land access

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
20.12.22	08:24	15:40	HT	4.8m, 12:57	10:50 - 15:00	3 to 5, SW	2 to 3	3 km +	8 to 9	None	6 (O)	18	No land access
10.01.23	08:23	16:02	LT	1.64 m, 12:08	09:30 - 13:30	5, S	8	3 km +	5 to 8	Drizzle	6 (S), 7 (S)	18	No land access
17.01.23	08:17	16:14	HT	4.36 m, 11:16	09:15 - 13:15	1, W	0	3 km +	-2 to 1	None	None	1, 2, 3a, 6, 18	These sectors were surveyed by another surveyor
17.01.23	08:17	16:14	HT	4.36 m, 11:16	09:35 - 13:20	1, W	0	3 km +	-2 to 1	None	1 (DW), 6 (W), 18 (P - sparrowhawk)	7, 8, 8a, 8b, 9-14, 15, 15a, 16, 17	These sectors were surveyed by another surveyor
15.02.23	07:26	17:11	HT	4.19 m, 10:35	08:50-12:20	2 to 4, SW	2 to 3	3 km+	6 to 9	None	6 (SB, DW), 18 (S)	7, 8, 8a, 8b, 9-14, 15, 15a, 16, 17	These sectors were surveyed by another surveyor
15.02.23	07:27	17:12	HT	4.19 m, 10:35	08:50-12:20	2, S	2	3 km+	5 to 10	None	None	1, 2, 3a, 6, 18	These sectors were surveyed by another surveyor

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
21.02.23	07:14	17:24	LT	0.78 m, 10:36	08:35-12:05	2 to 4, SW	2 to 6	3 km+	10 to 12	None	8 and 11 (AS), 9, 10, 11 and 13 (D and GI), 15 (GI)	1, 2, 3a, 6 and 18	These sectors were surveyed by another surveyor
21.02.23	07:14	17:24	LT	0.78 m, 10:36	08:36-12:31	2 to 4, SW	2 to 6	3 km+	10 to 12	None	1 (W), 2 (DW), 6 (BD, DW), 7 (BD, DW), 18 (S)	3, 4, 5, 5a, 8, 8a, 8b, 9 to 15, 15a, 16, 17, 19	These sectors were surveyed by another surveyor
21.03.23	06:06	18:20	LT	0.88 m, 09:36	07:30-11:30	4, SSW	5	3 km+	10 to 13	None	7 (BD), 8 (AS), 9 (DW), 10 (DW), 11 (AS), 12 (GI), 13 (GI)	1, 2, 3a, 6 to 18	These sectors were surveyed by another surveyor
21.03.23	06:06	18:20	LT	0.88 m, 09:33	08:15-11:30	2 to 4, SW	5 to 8	3 km+	10 to 13	None	1 (DW), 18 (S)	8, 8a, 8b 9 to 15, 15a, 16, 17	These sectors were surveyed by another surveyor
28.03.23	06:48	19:33	HT	4.7 m, 08:54	07:30-11:30	4 to 2, S	8	3 km+	4 to 7	None	7 (BD), 8 to 11 (AS), 9 to 10 (DW), 12 to 13 (GI)	1, 2, 3a, 6 to 18	These sectors were surveyed by another surveyor

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
28.03.23	06:48	19:33	HT	4.7 m, 08:54	07:45-10:50	2, S	8	3 km+	4 to 7	None	1 (DW to HR), 18 (S to V)	7, 8, 8a, 8b, 9 to 15, 15a, 16, 17	These sectors were surveyed by another surveyor
17.04.23	05:59	20:11	HT	5 m, 14:20	12:30-17:00	2, E	3	3 km+	14 to 15	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	1, 2, 3a to 6	No surveyor availability within timeframe
24.04.23	05:43	20:25	LT	1.09 m, 13:14	11:20-15:50	3, N	7	3 km+	7 to 8	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	1, 2 to 6	No surveyor availability within timeframe
15.05.23	05:00	21:03	HT	4.74 m, 13:05	11:00-15:30	2, NNW	1	3 km+	12 to 13	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	6	No surveyor availability within timeframe
23.05.23	4:48	21:17	LT	1.17 m, 12:57	11:00-11:30	1, N	3	3 km+	16	None	None	All except 18	STDC survey access withdrawn
05.06.23	4:33	21:35	LT	0.84 m, 11:22	11:40-12:40	2, NE	8	3 km+	17	None	None	All except 18	STDC survey access withdrawn



DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
13.06.23	04:29	21:41	HT	4.76 m, 12:33	10:30-15:00	1, NE	1	3 km+	19 to 23	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	6	No surveyor availability within timeframe
20.06.23	4:28	21:45	LT	1.1 m, 12:05	10:00-14:30	1, NE	8	3 km+	17	Drizzle	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	None	N/A
04.07.23	4:36	21:42	LT	0.77 m, 11:15	09:25-13:55	3, SW	4	3 km+	17 to 19	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	None	N/A
13.07.23	4:46	21:35	HT	4.59 m, 13:08	10:40-15:10	2, SW	3	3 km+	17 to 21	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	None	N/A
07.08.23	5:26	20:55	HT	5.43 m, 08:23	07:20-11:50	2, SW	4	3 km+	11 to 17	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	None	N/A
15.08.23	5:40	20:38	LT	1.23 m, 10:23	08:20-13:20	2, W	5	3 km+	15 to 19	None	8 and 11 (AS), 9 and 10 (D), 12 and 13 (GI)	None	N/A
27.09.23	6:59	18:52	HT	5.2 m, 15:06	13:05-14:20	2, SE	8	3 km+	16	1	None	All except 18	Excluded from survey area

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>32</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
28.09.23	7:01	18:50	LT	0.56 m, 09:49	07:50-09:05	3, SW	8	3 km+	15	0	None	All except 18	Excluded from survey area
13.10.23	7:29	18:12	LT	1.05 m, 10:00	08:00-09:15	1, W	8	3 km+	12	1	None	All except 18	Excluded from survey area
24.10.23	7:50	17:47	HT	4.52 m, 12:50	10:50-12:05	2, ENE	8	3 km+	11	0	None	All except 18	Excluded from survey area
09.11.23	07:23	16:14	HT	4.61 m, 13:16	11:15-12:30	2, S	3	3 km+	9	0	None	All except 18	Excluded from survey area
30.11.23	08:01	15:44	LT	1.43 m, 11:17	10:15-12:00	2 to 4 NE	3 to 8	3 km+	4 to 3	Brief hail showers	None	All except 18	Excluded from survey area
08.12.23	8:12	15:39	HT	4.42 m, 12:18	10:18-11:18	2 to 3, S	4 to 8	3 km+	7 to 8	0	None	All except 18	Excluded from survey area
15.12.23	08:21	15:39	LT	1.23 m, 11:05	09:05-10:05	1 to 2, SW	1	3 km+	6	0	None	All except 18	Excluded from survey area

## Seal Sands

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
11.02.22	7.35	17:03	HT	4.2 m, 11:53	09:50 - 13:50	4, SSW	0	3 km +	1 to 6	None	6 (S)	2, 3, 4, 7 to 11, 13 to 16, 25	No land access
17.02.22	07:21	17:15	HT	5.25 m, 16:20	14:02 - 17:38	4 to 7, Variable	0	3 km +	6 to 9	None	4 (S), 8 (S), 18 (S), 23c (S)	1, 3, 10 to 12, 14 to 16, 23a to 23c, 23e to 23g, 23, 25	Unsuitable habitat, short daylength, no land access
22.02.22	07:11	17:25	LT	1.36 m, 13:13	11:00 - 15:00	5 to 6, W	0 to 4	3 km +	7 to 9	None	18 (S), 18a (S), 19 (S)	1, 3, 10 to 12, 14 to 16, 17 to 21, 25	Unsuitable habitat, no land access
23.02.22	07:07	17:28	LT	1.59 m, 14:00	11:30 - 15:30	6 to 7, SSW	4	3 km +	9 to 12	None	18 (S), 18a (S), 19 (S)	1, 3, 10 to 12, 14 to 16, 23a to 23c, 23e to 23g, 23, 25	Unsuitable habitat, no land access
09.03.22	06:34	17:56	LT	1.75 m, 13:46	12:35 - 16:30	4 to 5, S	3 to 5/8	3 km +	12	None	21 (DWL)	1, 3, 10 to 12, 14 to 16, 23a to 23c,	Unsuitable habitat, no land access

<sup>33</sup> W = Walker(s); DW = Dog Walker(s)-dogs off lead; DWL = Dog Walker(s)-dogs on lead; JR = Jogger/runner; C = Cyclist; OR=Other recreational user; P = Predator; G = Gunshot; C = Construction noise; I = Industry/dock activity; HR = Horse rider; BD = Bait digger; A = Angler; S = Surveyor; T = Tide; N = Natural disturbance; V = Vehicle; B = Boat/ship; SB =Small boat/kayaker/windsurfer; AC = Aircraft; JS = Jet ski; O = Other (specify); D = Demolition works; AS = Aggregate stockpiling; GI = GI works; F = Farm vehicle activity

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												23e to 23g, 23, 25	
17.03.22	06:14	18:11	HT	5.14 m, 15:20	13:15 - 17:20	4 to 5	3	3 km +	10 to 11	None	18a (S)	1, 3, 10 to 12, 14 to 16, 23a to 23c, 23e to 23g, 23, 25	Unsuitable habitat, no land access
22.03.22	06:01	18:21	LT	1.13 m, 12:54	09:55 - 14:05	1 to 2, SE	3	3 km +	15	None	21 (DWL)	1, 3, 10 to 12, 14 to 16, 23a to 23c, 23e to 23g, 23, 25	Unsuitable habitat, no land access
30.03.22	06:41	19:36	HT	5.16 m, 15:33	13:15 - 17:15	3, NE	8	3 km +	3 to 4	Frequent sleet/rain showers	18a (S)	1, 3, 10 to 12, 14 to 16, 25	Unsuitable habitat, no land access
21.09.22	06:48	19:07	HT	4.26 m, 13:58	11:58 - 15:58	2 to 4, S	1 to 8	3 km +	16 to 18	None	17a (S), 21 (S), G4 (S), G5 (S)	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access
29.09.22	07:03	18:46	LT	0.80 m, 12:42	10:42 - 13:10	3, NNE	5	3 km +	14 to 17	None	2 (W), 17a (W), 21 (W)	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access
12.10.22	07:25	18:16	LT	0.8 m, 12:07	10:00 - 12:30	4, SSW	4	3 km +	11 to 15	None	17a (W), 21 (W)	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
20.10.22	07:43	17:55	HT	4.2 m, 13:19	11:15 - 13:20	2 to 3, E	4 to 7	2 to 3 km	12	Light to heavy rain	17a (S), G4 (S), G5 (S)	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access
03.11.22	07:10	16:26	HT	4.5 m, 11:43	09:35-12:25	2 to 3, S	7 to 4	3 km +	9 to 11	None	G5 (V/I)	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access
10.11.22	07:24	16:12	LT	1.1 m, 10:36	08:40-11:45	4 to 6, S	8	3 km +	14 to 15	Occasional light drizzle	None	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access
13.12.22	08:19	15:38	LT	1.9 m, 12:24	10:30-14:34	1, E	8	c.100 m clearing to c. 1 km	-2	None	19 (DW/DWL)	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access
14.12.22	08:20	15:38	LT	2.08 m, 13:07	11:00-14:10	2, NW	1	3 km +	0 to 1	None	None	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access
20.12.22	08:24	15:39	HT	4.76 m, 12:57	11:04-14:58	4, S	3	3 km+	8	None	22 (S), 22d (S), 22e (S)	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access
11.01.23	08:21	16:02	LT	1.64 m, 12:08	10:10-13:50	4 to 6, SW	1 to 3	3 km+	7	None	17a (S), 24 (S)	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access/other sectors covered by another surveyor

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
12.01.23	08:22	16:05	LT	1.75 m, 12:45	10:45-14:45	4 to 5, S	8 to 1	3 km+	8 to 9	One heavy shower	None	2, 17, 17a, 21, 22, G4, G5, 25	No land access/other sectors covered by another surveyor
19.01.23	08:14	16:18	HT	4.74 m, 13:19	11:10-14:50	2, WSW	0 to 3	3 km+	2 to 4	None	4 (P - marsh harrier), 24 (S), G4 (S), G5 (S)	2, 17, 17a, 21, 22, G4, G5, 25	No land access/other sectors covered by another surveyor
19.01.23	08:14	16:18	HT	4.74 m, 13:19	11:20-14:30	2, WSW	0 to 3	3 km+	2 to 4	None	None	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access/ other sectors covered by another surveyor
17.02.23	07:21	17:15	HT	4.56 m, 13:02	11:02-13:30	4 to 7, W	2 to 4	3 km+	10	None	24 (S)	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access/ other sectors covered by another surveyor

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
17.02.23	08:14	16:18	HT	4.74 m, 13:19	10:30-13:30	7, W	7	3 km+	9 to 11	None	None	2, 17, 17a, 21, 22, G4, G5, 25	No land access/ other sectors covered by another surveyor
23.02.23	07:08	17:27	LT	0.77 m, 11:57	10:05-13:05	1 to 2, W	0	3 km+	6 to 7	None	24 (S)	1, 3, 5-9, 13, 18, 18a, 22-23g, 25	No land access/ other sectors covered by another surveyor
23.02.23	07:08	17:27	LT	0.77 m, 11:57	10:05-13:05	1 to 2, W	0	3 km+	6 to 7	None	None	1, 2, 10-17, 17a, 21-22f, 24, G4, G5, 25	No land access/ other sectors covered by another surveyor
21.03.23	06:06	18:20	LT	0.88 m, 09:36	08:45-09:15	4, SSW	5	3 km+	10 to 13	None	None	All except 25	Viewed from The Foundry
23.03.23	06:01	18:24	LT	0.63 m, 10:52	08:45-12:45	4, SSW	3	3 km+	9 to 12	None	None	2, 17, 17a, 18a, 21, 22, G4, G5, 25	No land access/ other sectors covered by

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
													another surveyor
23.03.23	06:01	18:24	LT	0.63 m, 10:52	08:55-12:35	2 to 5, SW	4 to 8	3 km+	10 to 12	Light drizzle for first hour	24 (S), G4 (V)	1, 3, 5 to 9, 13, 18, 18a, 22 to 23g, 25	No land access/ other sectors covered by another surveyor
28.03.23	06:48	19:33	HT	4.7 m, 08:54	08:45-09:15	4 to 2 S	8	3 km+	4 to 7	None	None	All except 25	Viewed from The Foundry
30.03.23	6:41	19:36	HT	3.91 m, 11:06	09:10-12:15	2 to 3, SW	4 to 8	3 km+	10 to 13	Light drizzle for first hour	None	1, 3, 5 to 9, 13, 18, 18a, 22, 23 and 25	No land access/ other sectors covered by another surveyor
30.03.23	6:41	19:36	HT	3.91 m, 11:06	09:00-12:30	2 to 3, SW	4 to 8	3 km+	10 to 13	Light drizzle for first hour	None	G4, G5, 2, 17, 17a, 18a, 21, 22 and 25	No land access/ other sectors covered by another surveyor
17.04.23	05:59	20:11	HT	5 m, 14:20	14:30-15:00	2, E	3	3 km+	14 to 15	None	None	All except 25	Viewed from The Foundry



DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
19.04.23	5:54	20:15	HT	5.52 m, 16:00	13:00-17:00	3, E	2	3 km+	11 to 13	None	None	5, 6, 8, 18, 18a, 22 and 25	No surveyor availability within timeframe
24.04.23	05:43	20:25	LT	1.09 m, 13:14	13:20-13:50	3, N	7	3 km+	7 to 8	None	None	All except 25	Viewed from The Foundry
26.04.23	5:38	20:29	LT	1.67 m, 14:39	12:00-16:00	1, N	3	3 km+	10 to 11	None	None	5, 6, 8, 18, 18a, 22 and 25	No surveyor availability within timeframe
15.05.23	05:00	21:03	HT	4.74 m, 13:05	12:20-12:50	3, N	7	3 km+	7 to 8	None	None	All except 25	Viewed from The Foundry
17.05.23	4:58	21:09	HT	1.67 m, 14:39	13:00-16:00	2, NNW	3	3 km+	14 to 16	None	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	Sectors covered by another surveyor
19.05.23	04:53	21:10	HT	5.31 m, 16:19	14:20-17:40	1, NE	8 to 3	3 km+	14	None	None	5, 6, 8, 9, 18, 18a, 19, 20, 23 and 25	Sectors covered by another surveyor
24.05.23	4:46	21:18	LT	1.34 m, 14:30	11:40-15:40	2, NNE	1	3 km+	15 to 19	None	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
													another surveyor
25.05.23	04:45	21:20	LT	1.55 m, 14:12	12:55-16:00	2, N then 1, S	8	3 km+	17 to 18	None	None	5, 6, 8, 9, 18, 18a, 19, 20 and 23	No land access/ other sectors covered by another surveyor
06.06.23	4:32	21:35	LT	0.78m, 12:08	11:20-14:10	1 to 2, NE	8	3 km+	13	None	21 (BD)	5, 6, 8, 9, 18, 18a, 19, 20, 23 and 25	No land access/ other sectors covered by another surveyor
13.06.23	04:29	21:41	HT	4.76 m, 12:33	12:00-12:30	1, NE	1	3 km+	21	None	None	All except 25	Viewed from The Foundry
15.06.23						2, NE	1	3 km+	18 to 21	None	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by another surveyor
	4:28	21:42	HT	4.92 m, 14:30	12:40-15:45								
15.06.23	4:28	21:42	HT	4.92 m, 14:30	12:00-14:50	2, NE	1	3 km+	18 to 21	None	None	5, 6, 8, 9, 18, 18a, 19, 20, 23 and 25	No land access/ other sectors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
													covered by another surveyor
20.06.23	4:28	21:45	LT	1.1 m, 12:05	11:30-12:00	1, NE	8	3 km+	17	Drizzle	None	All except 25	Viewed from The Foundry
04.07.23	4:36	21:42	LT	0.77 m, 11.15	10:45-11:15	3, SW	4	3 km+	18	None	None	All except 25	Viewed from The Foundry
21.06.23	4:28	21:45	LT	1.16 m, 12:43	10:45-14:35	3, W	3	3 km+	19 to 23	None	Non	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by another surveyor
04.07.23	4:36	21:42	LT	0.77 m, 11.15	10:45-11:15	3, SW	4	3 km+	18	None	None	All except 25	Viewed from The Foundry
07.07.23	4:39	21:40	LT	0.53 m, 13:46	11:45-15:45	2, S	3	3 km+	22 to 26	None	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by another surveyor
07.07.23	4:39	21:40		0.53 m, 13:46	11:50-13:50	2 to 3, S	3 to 4	3 km+	22 to 26	None	None	5, 6, 8, 9, 18, 18a, 19, 20, 23 and 25	No land access/ other sectors covered by

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
													another surveyor
13.07.23	4:45	21:35	HT	4.59 m, 13:08	11:11-14:31	2 to 3, SW	3 to 4	3 km+	18 to 19	None	None	5, 6, 8, 9, 18, 18a, 19, 20 and 23	No land access/ other sectors covered by another surveyor
13.07.23	4:46	21:35	HT	4.59 m, 13.08	12:30-13:00	2, SW	3	3 km+	19	None	None	All except 25	Viewed from The Foundry
27.07.23	5:07	21:15	HT	4.42 m, 10:59	09:00-12:30	1, W	8	3 km+	17 to 18	Drizzle	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by another surveyor
07.08.23	5:26	20:55	HT	5.43 m, 08:23	08:00-08:30	2, WSW	4	3 km+	14	None	None	All except 25	Viewed from The Foundry
09.08.23	5:29	20:51	HT	4.74 m, 10:14	08:30-12:00	2, W	4	3 km+	13 to 19	None	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by another surveyor

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
10.08.23	5:31	20:49	HT	4.44 m, 11:25	10:15-13:30	1, S	7	3 km+	21-23	None	None	5, 6, 8, 9, 18, 18a, 19, 20, 23 and 25	No land access/ other sectors covered by another surveyor
15.08.23	5:40	20:38	LT	1.23 m, 10:23	10:10-10:40	2, W	5	3 km+	17	None	None	All except 25	Viewed from The Foundry
17.08.23	5:44	20:33	LT	1.02 m, 11:32	10:00-13:20	1 to 2, SE	7	3 km+	18 to 19	None	None	5, 6, 8, 9, 18, 18a, 19, 20, 23 and 25	No land access/ other sectors covered by another surveyor
17.08.23	5:44	20:37	LT	1.02m, 11:32	09:30-13:30	2, SE	7	3 km+	17 to 19	None	None	2, 4, 17, 17a, 21, 24, 25, G4 and G5	No land access/ other sectors covered by another surveyor
29.08.23	6:05	20:05	HT	5.11m, 13:02	14:20-16:20	3, W	2	3 km+	18	None	None	2, 4, 5, 6, 8, 9, 17 to 21, 23a, 23b, 23c, 23e, 23f,	No land access

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												23g, 24, 25, G4 and G5	
30.08.23	6:08	20:02	LT	0.71m, 10:08	09:10-11:10	2, W	1	3 km+	15	None	None	2, 4, 5, 6, 8, 9, 17 to 21, 23a, 23b, 23c, 23e, 23f, 23g, 24, 25, G4 and G5	No land access
27.09.23	6:59	18:52	HT	5.2 m, 15:06	14:20-17:05	2, SE	8	3 km+	16	1	None	2, 4, 5, 6, 8, 9, 17 to 21, 23a, 23b, 23c, 23e, 23f, 23g, 24, G4 and G5	No land access
28.09.23	7:01	18:50	LT	0.56 m, 09:49	09:05-11:50	3, SW	8	3 km+	15	0		2, 4, 5, 6, 8, 9, 17 to 21, 23a, 23b, 23c, 23e, 23f, 23g, 24, G4 and G5	No land access
13.10.23	7:29	18:12	LT	1.05 m, 10:00	09:15-12:00	1, W	8	3 km+	12	1	None	2, 4, 5, 6, 8, 9, 17 to 21, 23a, 23b, 23c, 23e, 23f,	No land access

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>33</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												23g, 24, G4 and G5	
24.10.23	7:50	17:47	HT	4.52 m, 12:50	12:05-14:50	2, ENE	8	3 km+	11	0	None	2, 4, 5, 6, 8, 9, 17 to 21, 23a, 23b, 23c, 23e, 23f, 23g, 24, G4 and G5	No land access
09.11.23	07:23	16:14	HT	4.61 m, 13:16	12:30-15:15	2, S	3	3 km+	9	0	None		
30.11.23	08:01	15:44	LT	1.43 m, 11:17	09:17 - 09:30 (25) and 12:30 - 13:17	2 to 4 NE	3 to 8	3 km+	4 to 3	Brief hail showers	None		
08.12.23	8:12	15:39	HT	4.42 m, 12:18	11:50-13:50	2 to 3, S	4 to 8	3 km+	7 to 8	0	None		
15.12.2023	08:21	15:39	LT	1.23 m, 11:05	10:30-13:00	1 to 2, SW	1	3 km+	6	0	None		

North Tees Marshes

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
21.09.22	06:48	19:07	HT	4.26 m, 13:58	11:58 - 15:58	2 to 4, S	1 to 8	3 km +	16 to 18	None	G3 (C, P - fox), G6 (W)	G7 to G13, B1 to B24, 24	Restricted land access
22.09.22	06:50	19:05	HT	4.56 m, 14:47	12:47 - 16:47	3 to 4, S	8	3 km +	17	2	B21(S)	G7 to G13, B1 to B19, 24	Restricted land access
22.09.22	06:50	19:05	HT	4.60 m, 14:47	12:47 - 16:47	4, SSW	8	3 km +	17	None then drizzle	G7, G8, G9, G10, G11, G12 and G13 (W), B10 and B13(I), B15, B19, B20 (W)	G1 to G6, G13, B1 to B9, B11, B12, B14, B16 to B18, B21 to B24, 24	Restricted land access
28.09.22	07:01	18:49	LT	0.70 m, 12:07	10:07 - 14:07	2, NW	4	3 km +	10 to 13	None	G7, G8, G9, G10, G11, G12 and G13 (W), B10 and B13(I), B15, B19, B20 (W), B21 and B24 (AC)	G1 to G6, G13, B1 to B9, B11, B12, B14, B16 to B18, B21 to B24, 24	Restricted land access

<sup>34</sup> W = Walker(s); DW = Dog Walker(s)-dogs off lead; DWL = Dog Walker(s)-dogs on lead; JR = Jogger/runner; C = Cyclist; OR=Other recreational user; P = Predator; G = Gunshot; C = Construction noise; I = Industry/dock activity; HR = Horse rider; BD = Bait digger; A = Angler; S = Surveyor; T = Tide; N = Natural disturbance; V = Vehicle; B = Boat/ship; SB =Small boat/kayaker/windsurfer; AC = Aircraft; JS = Jet ski; O = Other (specify); D = Demolition works; AS = Aggregate stockpiling; GI = GI works; F = Farm vehicle activity



DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
28.09.22	07:03	18:46	LT	0.78 m, 12:42	10:42 – 13:10	4, NE	6	3 km	14 to 18	None during survey, heavy rain in hour before.	G3 (P - peregrine), G6 (P – buzzard)	G1 to G6, G13, B1 to B9, B11, B12, B14, B16 to B18, B21 to B24, 24	Restricted land access
18.10.22	07:39	18:00	HT	4.0 m, 10:29	08:29 - 11:39	2, WSW	1 to 7	3 km +	6 to 12	None	G2, G3, G6, G7, G8, G9, G10 (S), B15, B20 and B22 (S), B21 (S, DW)	B1 to B13, B16 to B18, G13, 24	Restricted land access
25.10.22	07:52	17:43	LT	0.7 m, 10:29	08:38 - 10:30	2, SW	1 to 2	3 km +	11 to 13	None	B21 and B24 (DW)	B1 to B13, B16 to B18, G13, 24	Restricted land access
25.10.22	07:52	17:43	LT	0.7 m, 10:29	08:29 - 11:47	2, SW	2	3 km +	13	None	B15 (W)	B1 to B13, B16 to B18, G13, 24	Restricted land access
26.10.22	07:55	17:41	LT	0.6 m, 11:04	09:04 - 11:45	4 to 5, S	2 to 7	3 km +	14 to 17	One heavy shower at the end.	B7, B9, B10, B12, B22 and B23 (S)	G1 to G13a, B1 to B6, B15, B17, B19 to B21, B24, 24	Restricted land access

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
26.10.22	07:55	17:41	LT	0.6 m, 11:04	09:04 - 11:27	4, SW	2	3 km +	13	None	None	G1 to G13a, B7 to B24, 24	Restricted land access
02.11.22	07:08	16:28	HT	4.4 m, 10:15	09:00-12:12	2 to 4, S	6 to 8	3 km+	8-10	None	G7 (W3, W4), G8(W3), G9(W1), G10(W1)	G1, G4, G5, G11, G12, G13, B1 to B14, B16 to B19, 24	Visibility restricted from counting location (unknown to surveyor at the time) i.e., G11, G12 and B19
02.11.22	07:08	16:28	HT	4.4 m, 10:15	08:15 - 10:50	2 to 4, S	6 to 8	3 km +	8 to 10	None	B21 (S), B24 (DWL)	G1 to G13a, B1 to B19, B22, B23, 24	These areas covered by other surveyors
03.11.22	07:10	16:26	HT	4.5 m, 11:43	09:40 - 12:40	2, S	4	3 km +	9 to 12	None	None	G1 to G13a, B1 to B6, B14, B15, B17 to B21, B24, 24	Restricted land access
09.11.22	07:21	16:14	LT	0.9 m, 10:04	08:18 - 11:18	2 to 3, NE	5 to 8	3 km +	10	None	G7 (DW), G8 (W)	G1, G10 to G12, B1 to B14, B16, B18 to B24, 24	Covered the following two days

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
10.11.22	07:24	16:12	LT	1.1 m, 10:36	09:06 - 11:30	2 to 5, SW	8	3 km +	14	Drizzle throughout	B21 (DW)	G1 to G9, G13, B1 to B19, B22 to B23, 24	These areas covered the day before/after
11.11.22	07:27	16:10	LT	1.3 m, 11:05	09:15 - 11:50	3 to 6, SW	7 decreased to 5	3 km +	13 to 15	None	B9, B10, B22 and B23 (S), B16 (S, P – fox)	G1 to G13a, B1 to B6, B14, B15, B17, B19 to B21, B24, 24	Land access/other sectors covered by other surveyors
11.11.22	07:27	16:10	LT	1.3 m, 11:05	09:05 – 11:21	4, SW	5	3 km +	13	None	None	G1 to G13a, B7 to B24, 24	Land access/other sectors covered by other surveyors
12.12.22	09:40	12:40	LT	1.7 m, 11:43	09:40 – 12:40	1, SW	8	3 km +	-3 to -1	None	B7 (S), B8 (S), B10 (S)	G1, G3 to G13a, B1 to B6, B15, B17 to B21, B24, 24	Land access/other sectors covered by other surveyors
14.12.22	08:20	15:38	LT	2.08 m, 13:07	11:10-15:10	2, NW	2	3 km+	-1	None	G7 (S)	G1 to G6, G13, B1 to B16, B18, B21 to B24	Access and limited time to complete

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
14.12.22	08:20	15:38	LT	2.08 m, 13:07	11:07-14:50	0 to 2, NW	1 to 3	3 km+	-1 to 2	None	G13 (S)	B16, B18, B22, B23, B21, B24, 24	Access and limited time to complete
15.12.22	08:20	15:38	LT	2.26 m, 13:58	12:00-14:45	1 to 3, NW	3 to 8	3 km+	3 to 2	Occ light snow/rain showers	G1 (S), B1 (S), B2 (S), B3 (S), B5 (P – marsh harrier)	G2 to G13a, B7 to B24, 24	Access and limited time to complete
19.12.22	08:24	15:39	HT	4.54 m, 12:05	10:33-14:10	7, S	8 decreasing to 6	3 km+	14	Occ light showers	None	G1, G4, G7 to G13a, B1 to B13, B15 to B24	Access and limited time to complete
20.12.22	08:24	15:40	HT	4.8 m, 12:57	10:57-14:57	1 to 5, S	4 decreasing to 1	3 km+	8	None	G13 (S), G13a (S), B17 (P - marsh harrier), B21 (S)	G1 to G9, B1 to B5, B7 to B14, B16, B18, B22, B23, 24	Land access/other sectors covered by other surveyors
21.12.22	08:25	15:41	HT	5.0 m, 13:45	11:30 - 14:30	3 to 5, SW	1	3 km+	7 to 9	None	None	G1, G3 to G13, B1 to B6, B15, B17 to B21, B24, 24	Land access/other sectors covered by other surveyors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
21.12.22	08:25	15:41	HT	5.0 m, 13:45	11:45 - 14:50	1 to 5, SW	3 to 0	3 km+	8	None	G1 (S), G7 (S), G8 (S), B2 (S), B4 (S), B5 (S)	G2 to G6, G10 to G13a, B7 to B24, 24	Land access/other sectors covered by other surveyors
11.01.23	08:21	16:02	LT	1.64 m, 12:08	10:05 - 14:00	6, SW	4 to 6	3 km+	7	Occ light showers	G8 (S), G11 (S)	G1 to G7, G13, B1 to B16, B18, B22, B23, 24	Land access/other sectors covered by other surveyors
11.01.23	08:21	16:02	LT	1.64 m, 12:08	10:00 - 13:05	6, SW	4 to 6	3 km+	7 to 8	Occ light showers	None	G1, G3 to G13a, B1 to B6, B15, B17 to B22, 24	Land access/other sectors covered by other surveyors
12.01.23	08:22	16:05	LT	1.75 m, 12:45	11:09 - 13:39	5, SW	5	3 km+	9	Intermittent drizzle 11:10 - 11:50; heavy rain 11:50 - 11:57, then dry	B3 (DW), B4 (DW), B5 (DW)	G2 to G13, B7 to B24, 24	Land access/other sectors covered by other surveyors
12.01.23	08:21	16:04	LT	1.75 m, 12:45	10:40-14:50	2 to 5, SW	4 to 8	3 km+	8	One brief, heavy shower	G3 (AC), G13 (S), G13a (S)	G1, G2, G8 to G12, B1 to B14, B16 to B24	Land access/other sectors covered by other surveyors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
18.01.23	08:16	16:16	HT	4.51 m, 12:20	10.20 - 13.20	2, WNW	1 to 3	3 km+	3 to 4	None	None	G1, G3 to G13a, B1 to B6, B15, B17 to B22, B24	Land access/other sectors covered by other surveyors
18.01.23	08:14	16:14	HT	4.51 m, 12:20	10:25 - 15:10	2 to 4, WNW	2	3 km+	3.5	None	G7 (S, JR, OR), G8 (S)	G1 to G6, G13, B1 to B16, B2, 24	Land access/other sectors covered by other surveyors
18.01.23	08:14	16:14	HT	4.51 m, 12:20	10:20-14:15	2, WNW	1 to 3	3 km+	3 to 4	None	G13a (S)	G1, G2, G7 to G12, B1 to B14, B16 to B24, 24	Land access/other sectors covered by other surveyors
18.01.23	08:14	16:14	HT	4.51 m, 12:20	10:32-13:23	4, W	2	3 km+	3	None	G1 (O – workers in hi vis), B4 (P – marsh harrier)	G2 to G13, B7 to B24, 24	Land access/other sectors covered by other surveyors
15.02.23	07:26	17:11	HT	4.19 m, 10:35	09:40-11:15	2, SW	3	3 km+	7 to 9	None	None	G2 to G13a, B7 to B24, 24	Land access/other sectors covered by other surveyors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
16.02.23	07:24	07:13	HT	4.29 m, 11:51	09:55-13:40	2 to 3, S/SW	NR <sup>35</sup>	>3 km+	7 to 8	None	None	G1 to G6, G13, G13a, B1 to B14, B16, B18, B22, B23, 24	No access/visibility
16.02.23	07:24	17:13	HT	4.29 m, 11:51	10:20-13:50	3 to 3, S/SW	4 to 8	3 km+	7 to 9	None	G3 (P – 2x marsh harrier), G13a (S)	G1, G2, G8 to G12, B1 to B24, 24	Land access/other sectors covered by other surveyors
16.02.23	07:25	17:24	HT	4.29 m, 11:51	10:00-13:40	2, SW	7	3 km+	7 to 12	None	None	G1, G3 to G13a, B1 to B6, B15, B17, B19 to B22, 24	Land access/other sectors covered by other surveyors
22.02.23	07:10	17:25	LT	0.72 m, 11:18	09:30-13:10	2 to 5, NW	8	3 km+	8	Drizzle last half hour	G3 (P – marsh harrier), G6 (P – peregrine), G13 (S)	G1, G2, G7 to G12, B1 to B14, B16 to B24, 24	Land access/other sectors covered by other surveyors
22.02.23	07:10	17:25	LT	0.72 m, 11:18	09:15-12:45	2 to 5, NW	8	3 km+	8	Drizzle last half hour	None	G1, G3 to G13a, B1 to	Land access/other

<sup>35</sup> Not Recorded

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												B6, B15, B17, B19 to B22, 24	sectors covered by other surveyors
22.02.23	07:10	17:25	LT	0.72 m, 11:18	09:41-11:05	2 to 5, NW	8	3 km+	8	Drizzle last half hour	None	G1 to G6, G13, G13a, B1 to B16, B18, B22, B23, 24	All other sectors covered by other surveyors
23.02.23	07:08	17:27	LT	0.77 m, 11:57	10:45-12:30	2, NW	1	3 km+	5 to 7	None	None	G2 to G13a, B7 to B24, 24	Land access/other sectors covered by other surveyors
21.03.23	06:06	18:25	LT	0.88 m, 09:33	09:20-11:20	3, SW	7	3 km+	12 to 13	None	B4 (O – 1 JCB working and 2 men in hi vis)	G2 to G13a, B7 to B24, 24	Land access/other sectors covered by other surveyors
22.03.23	06:03	18:22	LT	0.70 m, 10:14	09:00-12:00	4, SW	3	3 km+	9 to 11	None	None	G1, G3 to G13a, B1 to B6, B15, B17, B19 to B21, B24, 24	Land access/other sectors covered by other surveyors



DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
22.03.23	06:03	18:22	LT	0.7 m, 10:14	08:30-12:00	4, SW	3	3 km+	9 to 12	None	G3 (P – marsh harrier), G13 (P – peregrine and marsh harrier)	G1, G2, G7 to G12, B1 to B24	Other sectors covered by other surveyors
22.03.23	06:03	18:22	LT	0.7 m, 10:14	08:55 – 12:00	4, SW	3	3 km+	9 to 11	None	None	G1 to G6, G13, G13a, B1 to B14, B16, B18, B22, B23, 24	Land access/other sectors covered by other surveyors
28.03.23	06:48	19:33	HT	4.38 m, 08:54	08:30-10:30	1 to 2, S	8	3 km+	5 to 6	Occ light rain	None	G2 to G13, B7 to B24, 24	Land access/other sectors covered by other surveyors
29.03.23	06:46	19:35	HT	4.09 m, 09:49	08:20-11:20	2, S	8	3 km+	9 to 12	None	None	G1, G3 to G13a, B1 to B6, B15, B17, B19 to B21, B24, 24	Land access/other sectors covered by other surveyors
29.03.23	06:46	19:35	HT	4.09 m, 09:49	08:20-11:45	1-2, S	8	3 km+	9 to 11	None	None	G1, G2, G7 to G12, B1 to B14, B16 to B24	Other sectors covered by other surveyors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
29.03.23	06:46	19:35	HT	4.09 m, 09:49	08:40-11:35	2, S	8	3 km+	10 to 12	Occ light rain	None	G1 to G3, G6 to G13a, B1 to B16, B18, B22, B23 and B24	Land access/other sectors covered by other surveyors
18.04.23	5:57	20:14	HT	5.31 m, 15:18	13:20-16:20	2, E	3	3 km+	9 to 12	None	None	G1, G7 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	No surveyor availability
25.04.23	5:41	20:27	LT	1.37 m, 13:53	11:50-15:50	2, N	6	3 km+	7 to 9	None	None	G1, G7 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
25.04.23	5:41	20:27	LT	1.37 m, 13:53	11:55-14:00	1 to 2, N	5	3 km+	7 to 8	None	None	G2, G3, G6 to G13a, B7 to B24, B19 to B21 and B24	Other sectors covered by other surveyors
26.04.23	5:38	20:29	LT	1.67 m, 14:39	12:20-15:20	N to NW	4 to 7	3 km+	10	None	None	G1 to G3, G6, G13,	Other sectors covered by other

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												G13a, B1 to B14, B16, B18, B22 and B23	surveyors. No access to Tank Farm
16.05.23	4:59	21:06	HT	4.98 m, 14:03	12:00-15:00	2, NNW	3	3 km+	14 to 16	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
17.05.23	4:57	21:07	HT	5.17 m, 14:52	13:00-15:20	1, SW	6	3 km+	15 to 16	None	None	G1, G2, G9 to G13a, B1 to B14, B16 to B24	Other sectors covered by other surveyors. No access to Tank Farm
18.05.23	4:55	21:09	HT	5.29 m, 15:37	13:45-15:55	2, SW	7	3 km+	17 to 18	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
23.05.23	4:48	21:17	LT	1.14 m, 12:57	11:45-14:00	1 to 2	4	3 km+	16 to 17	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
23.05.23	4:48	21:17	LT	1.17 m, 12:57	12:00-15:00	1, N	3	3 km+	16 to 19	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to	Other sectors covered by other surveyors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												B21 and B24	
24.05.23	4:46	21:18	LT	1.34 m, 13:37	12:10-15:20	1 to 2, N	2	3 km+	18 to 19	None	None	G1, G2, G9 to G13a, B1 to B14, B16 to B24	Other sectors covered by other surveyors. No access to Tank Farm
06.06.23	4:33	21:36	LT	0.78 m, 12:08	11:00-14:00	2, NE	8	3 km+	13 to 14	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
07.06.23	4:32	21:36	LT	0.79 m, 12:57	11:30-13:45	1 to 2, NE	8	3 km+	13 to 14	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
08.06.23	4:31	21:37	LT	0.87 m, 13:50	11:50-14:30	2, NE	8	3 km+	13 to 14	None	None	G1, G2, G9 to G13a, B1 to B14, B16 to B24	Other sectors covered by other surveyors. No access to Tank Farm
14.06.23	4:29	21:42	HT	4.84 m, 13:34	11:30-15:30	1, NE	1	3 km+	19 to 21	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to	Other sectors covered by other surveyors

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
												B21 and B24	
14.06.23	4:29	21:42	HT	4.84 m, 13:34	11:45-13:45	2, NE	1	3 km+	20	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
16.06.23	4:28	21:43	HT	4.90 m, 15:20	14:10-16:30	2, NE to E	0	3 km+	23 to 22	None	None	G1, G2, G9 to G13a, B1 to B14, B16 to B24	Other sectors covered by other surveyors. No access to Tank Farm
30.06.23	4:32	21:41	HT	4.67 m, 13:49	12:15-13:35	2, SW	8	3 km+	16	None	None	All except 13 and 13a	Tank Farm survey only – first time access
05.07.23	4:37	21:42	LT	0.59 m, 12:06	10:30-12:15	2 to 3, SW	7	3 km+	16 to 18	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
06.07.23	4:38	21:41	LT	0.51 m, 12:56	11:10-15:00	2, SW	7	3 km+	18 to 19	None	None	All sectors covered	N/A
13.07.23	4:46	21:35	HT	4.59 m, 13:08	12:00-14:30	2 to 3, SW	6	3 km+	19	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
14.07.23	4:47	21:34	HT	4.62 m, 4:14	12:15-15:50	2 to 3, SE	8	3 km+	16	None	None	All sectors surveyed	N/A

DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
20.07.23	4:55	21:26	LT	1.1 m, 12:26	10:30-14:30	1, N	3	3 km+	16 to 19	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
26.07.23	5:05	21:17	HT	4.52 m, 09:57	08:30-12:00	2, WSW	7	3 km+	17 to 20	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
08.08.23	5:27	20:53	HT	5.11 m, 9:15	09:30-11:20	2 to 3, W	4	3 km+	15-16	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
08.08.23	5:28	20:53	HT	5.11 m, 09:15	07:45-11:15	2, W	3	3 km+	11 to 17	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
09.08.23	5:29	20:51	HT	4.74 m, 10:14	09:05-12:50	2, W	5	3 km+	19	None	G13 (F)	G1, G2, G9 to G12, B1 to B14, B16 to B24	Other sectors covered by other surveyors



DATE	SUN-RISE	SUNSET	TIDE	TIDE HEIGHT AND TIME	SURVEY TIMES	WIND (BEAUFORT, DIRECTION)	CLOUD (OKTAS)	VISIBILITY	TEMP (CELSIUS)	PRECIPITATION	DISTURBANCE (SECTOR AND TYPE) <sup>34</sup>	SECTORS NOT SURVEYED	REASON(S) FOR RESTRICTED COVERAGE
15.08.23	5:40	20:38	LT	1.23 m, 10:23	09:40-12:15	1, W	7 decreasing to 5	3 km+	17 to 18	None	None	G2, G3, G6 to G13a, B7 to B24	Other sectors covered by other surveyors
16.08.23	05:42	20:35	LT	1.11 m, 10:59	09:50-13:30	1, NE	7	3 km+	16 to 18	None	G3, G8 and G13 (F)	G1, G2, G9 to G12, B1 to B14, B16 to B24	Other sectors covered by other surveyors
16.08.23	5:42	20:35	LT	1.11 m, 10:59	09:00-12:30	1, NE	7	3 km+	16 to 18	None	None	G1, G3, G6 to G13a, B1 to B6, B15, B17, B19 to B21 and B24	Other sectors covered by other surveyors
27.09.23	6:59	18:52	HT	5.2 m, 15:06	13:15-14:20	3, S	7 to 8	3 km+	15 to 16	Occ light rain	None	All except 13 and 13a	Tank Farm survey only
28.09.23	07:01	18:50	LT	0.56 m, 09:49	08:00-09:20	3 to 4, SW	8	3 km+	16	None	None	All except 13 and 13a	Tank Farm survey only

## ANNEX B: AECOM BREEDING BIRD SURVEY METADATA

### Cowpen Bewley Woodland Park

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT,DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
28.03.23	06:48	07:00-08:00	1 hour	1, S	8	>3 km	3 to 4	Occasional light rain	None	100%	N/A
25.04.23	05:41	09:30-10:40	1 hour, 10 mins	1, N	1 to 2	>3 km	5 to 7	None	None	100%	N/A
23.05.23	04:47	09:45-11:00	1 hr, 45 mins	1, NW	5	>3 km	13 to 15	None	None	100%	N/A
14.06.23	04:29	07:55-09:10	1hr, 15 mins	1, NE	0	>3 km	15 to 18	None	None	100%	N/A
07.05.23	04:37	08:45-10:10	1 hr, 25 mins	1 to 2, W	5	>3 km	14 to 15	None	None	100%	N/A

North Tees Temporary Construction Compound

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT,DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
19-Apr-23	05:54	09:00:00 to 09:30	30 mins	3, E	2	>3 km	11	0	None	100	N/A
17-May-23	04:58	09:00 to 09:30	30 mins	2, NNW	3	>3 km	14	0	None	100	N/A
15-Jun-23	04:37	10:00 to 10:30	30 mins	2, NE	1	>3 km	18	0	None	100	N/A

Navigator Terminals

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT, DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
14-Jun-23	04:28	08:45 to 09:30	45 mins	1, NE	1	>3 km	16	0	None	100	N/A

Foundry West

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT, DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
21-Mar-23	06:06	06:55 to 07:55	1 hour	4, SW	5	>3 km	10 to 11	0	None	100	N/A
24-Apr-23	05:41	08:45 to 09:45	1 hour	2, NNW	2	>3 km	7	0	None	100	N/A
13-Jun-23	4:29	08:45 to 09:45	1 hour	1, NE	1	>3 km	17	0	None	100	N/A
27-Jun-23	4:21	10:00 to 11:00	1 hour	1, SW	8	>3 km	17	0	None	100	N/A
13-Jul-23	4:46	09:35 to 10:35	1 hour	2, SW	3	>3 km	19	0	None	100	N/A

Foundry Centre

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT, DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
21-Mar-23	06:06	09:30 to 10:30	1 hour	4, SW	5	>3 km	11 to 12	0	None	100	N/A
24-Apr-23	05:43	10:00 to 11:00	1 hour	3, N	8	>3 km	7	1	None	100	N/A
13-Jun-23	4:29	10:00 to 11:00	1 hour	1, NE	1	>3 km	18	0	None	100	N/A
27-Jun-23	4:21	08:40 to 09:40	1 hour	1, SW	8	>3 km	16	0	None	100	N/A
13-Jul-23	4:46	08:35 to 9:35	1 hour	2, SW	3	>3 km	17	0	None	100	N/A



Foundry East

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT, DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
28-Mar-23	06:48	07:30 to 09:00	1 hour 30 mins	2, S	8	>3 km	5 to 6	0	No	100	N/A
17-Apr-23	05:59	09:30 to 11:00	1 hour 30 mins	2, E	3	>3 km	13	0	No	100	N/A
15-May-23	05:00	09:30 to 11:00	1 hour 30 mins	2, NNW	1	>3 km	12 to 13	0	No	100	N/A
20-Jun-23	04:28	08:30 to 10:00	1 hour 30 mins	1, NE	8	>3 km	16 to 17	0	No	100	N/A
4-Jul-23	04:36	07:45 to 09:15	1 hour 30 mins	2, SW	4	>3 km	15 to 17	0	No	100	N/A

Wilton International

DATE	SUNRISE	SURVEY TIMES	DURATION	WIND (BEAUFORT, DIRECTION)	CLOUD COVER (OKTAS)	VISIBILITY	TEMPERATURE (CELSIUS)	PRECIPITATION	DISTURBANCE (TYPE)	COVERAGE (%)	REASONS(S) FOR RESTRICTED COVERAGE
25-May-23	04:44	09:00 to 09:30	30 mins	1, W	6	>3 km	14	0	None	80	Access within fenced area not permitted for safety reasons.
15-Jun-23	04:28	09:00 to 09:30	30 mins	2, NE	1	>3 km	16	0	None	80	Access within fenced area not permitted for safety reasons.
5-Jul-23	4:37	08:45 to 09:15	30 mins	2, W	3	>3 km	14	0	Noise from adjacent flare stack	80	Access within fenced area not permitted for safety reasons.

---

## ANNEX C: INDUSTRY NATURE CONSERVATION ASSOCIATION ROOST RECORDS

## High Tide Roosts

ID	Name	Additional info	Main species
1	Hartlepool North Sands below Britmag	Predominantly around MHW, not on the elevated made ground above the former Britmag site (although oystercatcher occasionally roost there too)	Redshank, knot (in mid-00's at least, unclear if still occupied)
2	Hartlepool West Harbour roost		Turnstone, redshank, purple sandpiper
3	Newburn Bridge		Redshank, ringed plover, oystercatcher
4	North Gare		Knot, grey plover, oystercatcher
5	Seaton Snook		Oystercatcher, grey plover, knot, dunlin (latter in autumn)
6	Greatham Creek saltmarsh		Curlew, redshank
7	Brinefield Number 4 Tidal Pool		Lapwing, redshank, dunlin (latter in autumn)
8	Greenabella Seawall and marsh	Broad area	Redshank, curlew
9	Seal Sands seawall/land east of intertidal project	Broad area	Curlew
10	Seal Sands peninsula - 'Redshank corner'	Base of western side of the peninsula	Redshank, shelduck
11	Seal Sands peninsula - 'Oil Drum'	Half way up the western side of the peninsula	Shelduck, oystercatcher, curlew
12	Seal Sands peninsula - 'Entrance to	Broad area	Shelduck, curlew, oystercatcher,

ID	Name	Additional info	Main species
	peninsula enclosure'		redshank
13	Seal Sands peninsula - 'Tip of peninsula'	Tip of peninsula	Oystercatcher
14	Middlesbrough Dock	Approximate	Redshank
15	North Tees Mudflat seawall		Redshank
16	Bran Sands Island		Cormorant, oystercatcher (when exposed)
17	South Gare / German Charlies		Oystercatcher, formerly (?) knot
18	Coatham Sands	Beach. Birds move to the South Gare / German Charlies roost if disturbed. One or two bar-wits, a very few dunlin, some sanderling, some bh gull, occ up to ten sandwich terns, etc	200-300 Oystercatcher (but join South Gare / German Charlies roost if disturbed)
19	Coatham Boating Lake		Redshank




Name
1 Hartlepool North Sands below Britmag
2 Hartlepool West Harbour roost
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8 Greenabella Seawall and marsh
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14 Middlesbrough Dock
15 North Tees Mudflat seawall
16 Bran Sands Island
17 South Gare / German Charlies
18 Coatham Sands
19 Coatham Boating Lake

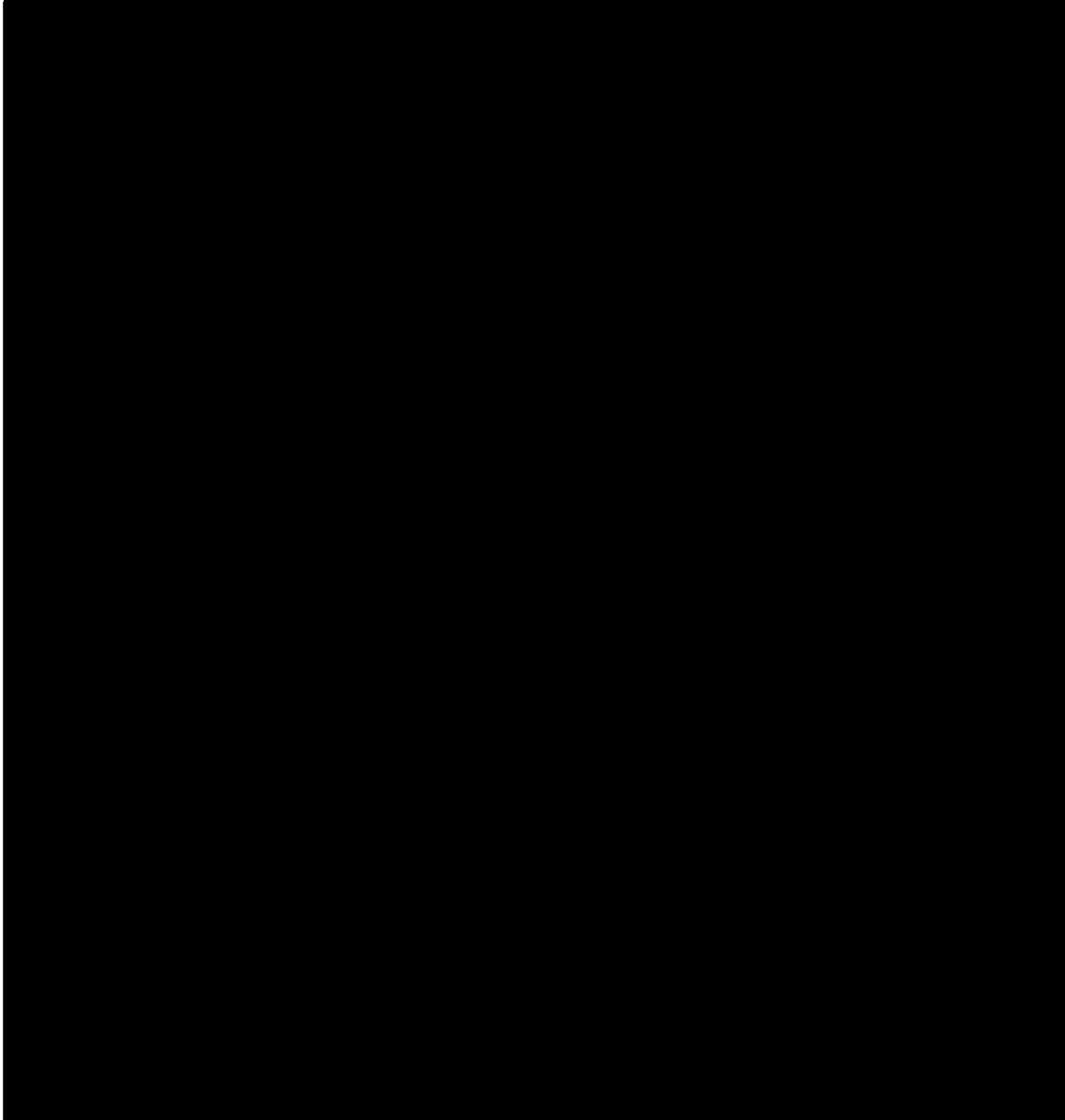


● Roost locations

0 1,250 2,500 Meters



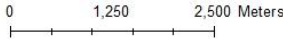


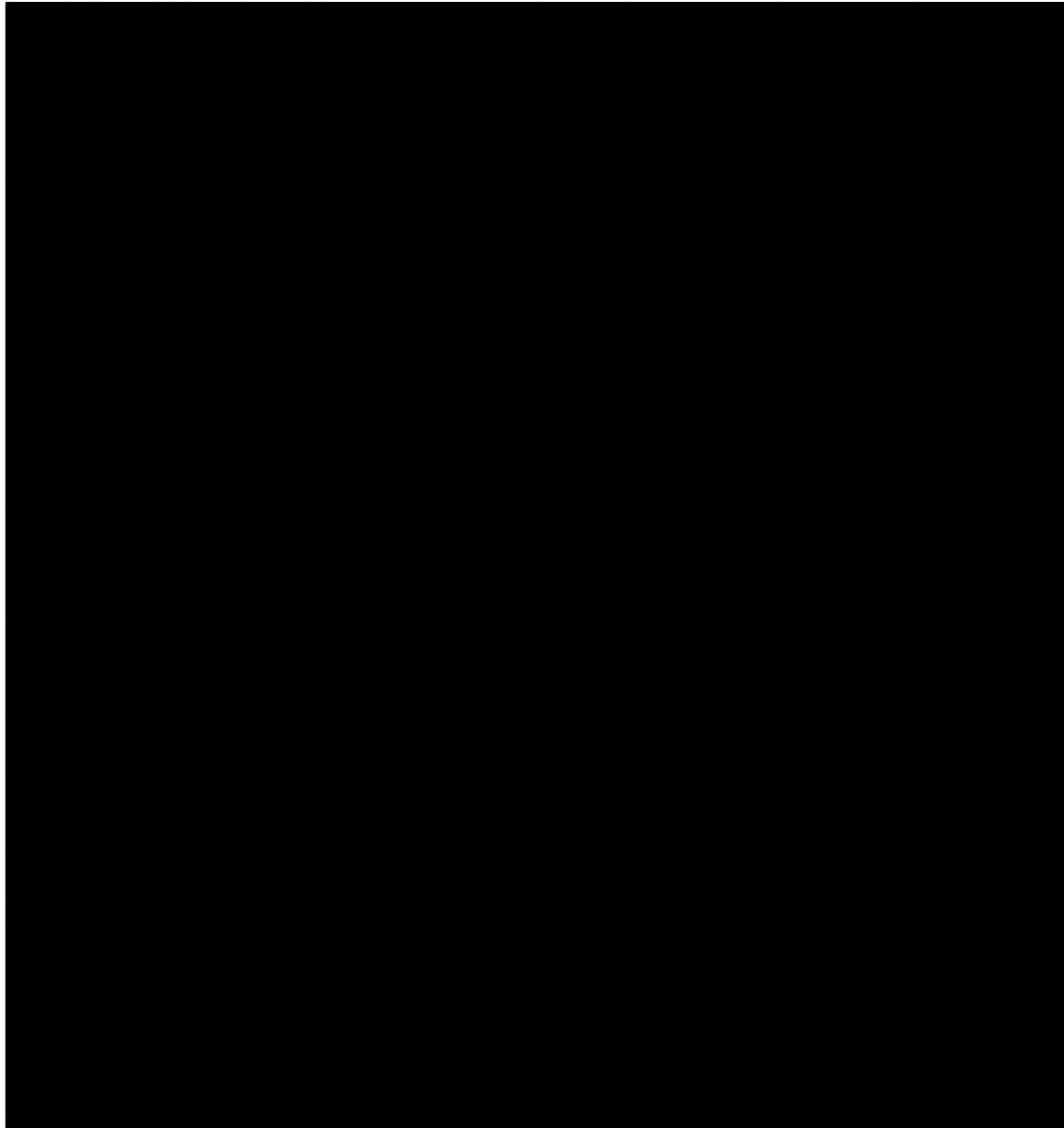


Name
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2 Hartlepool West Harbour roost
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4 North Gare
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19 Coatham Boating Lake



**Cormorant**

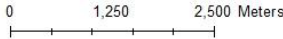


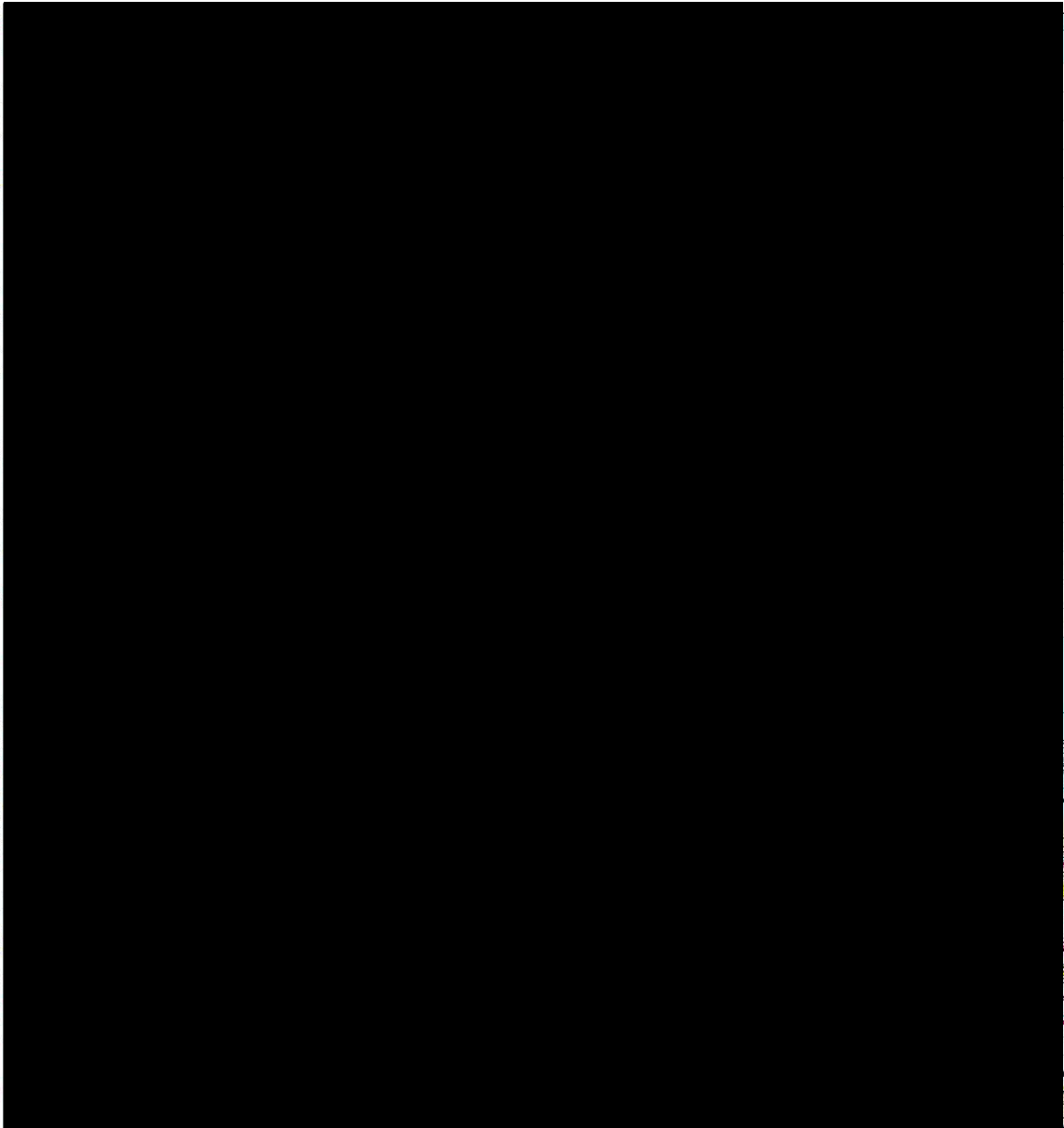



Name
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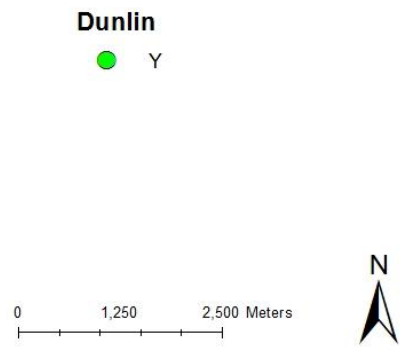


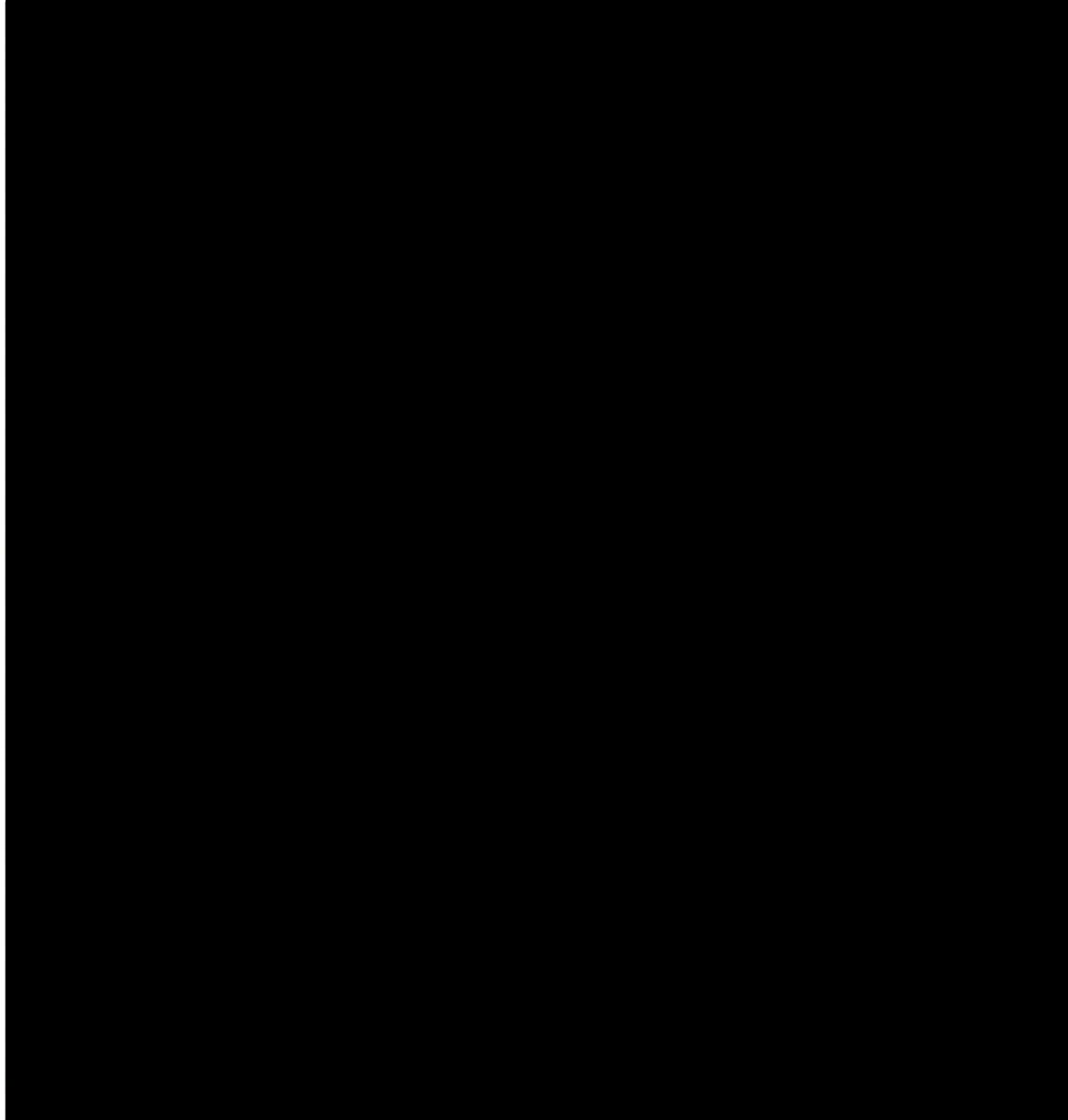
**Curlew**





Name
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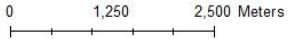


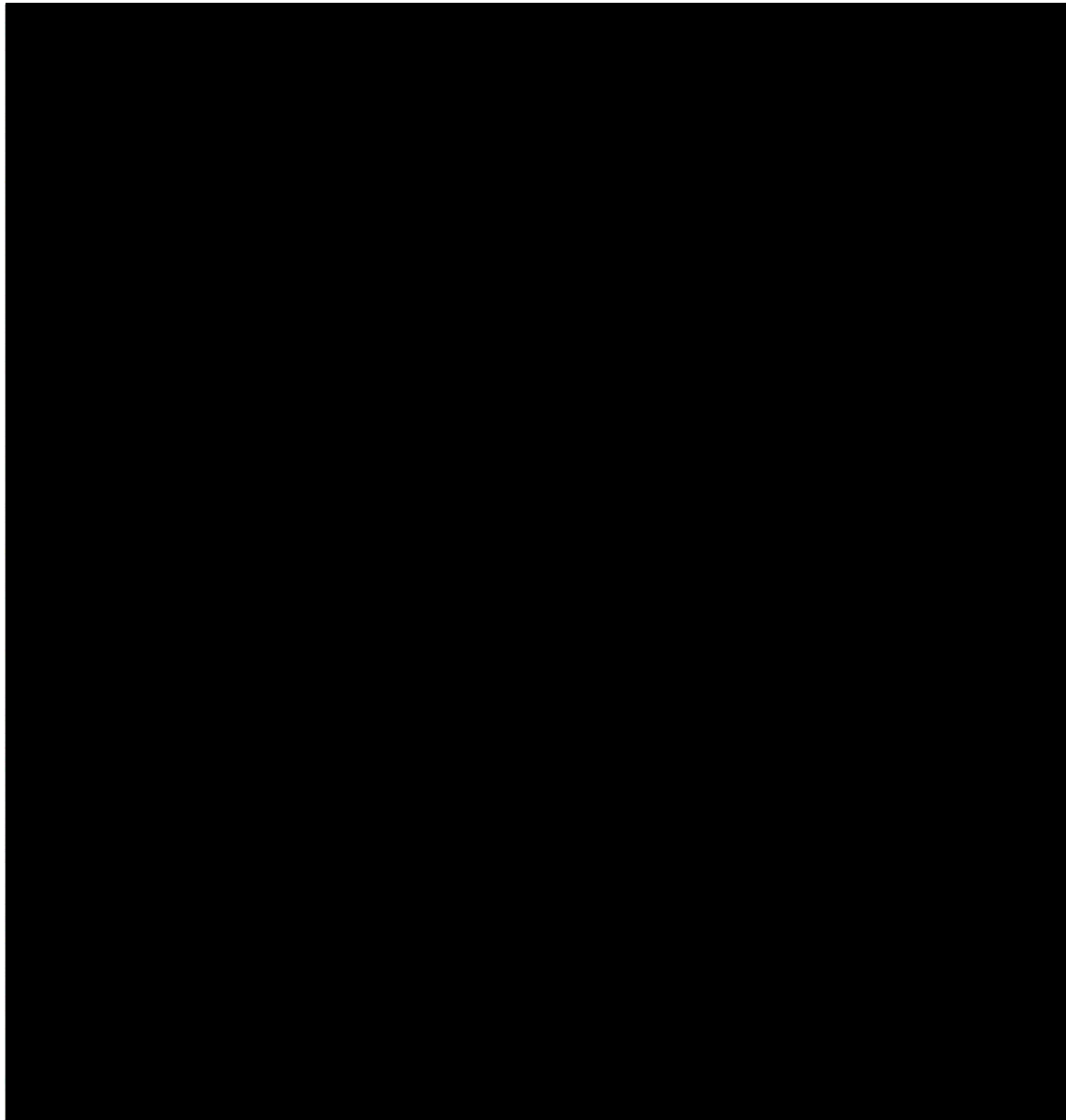
Name
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**Grey\_Plover**

● Y





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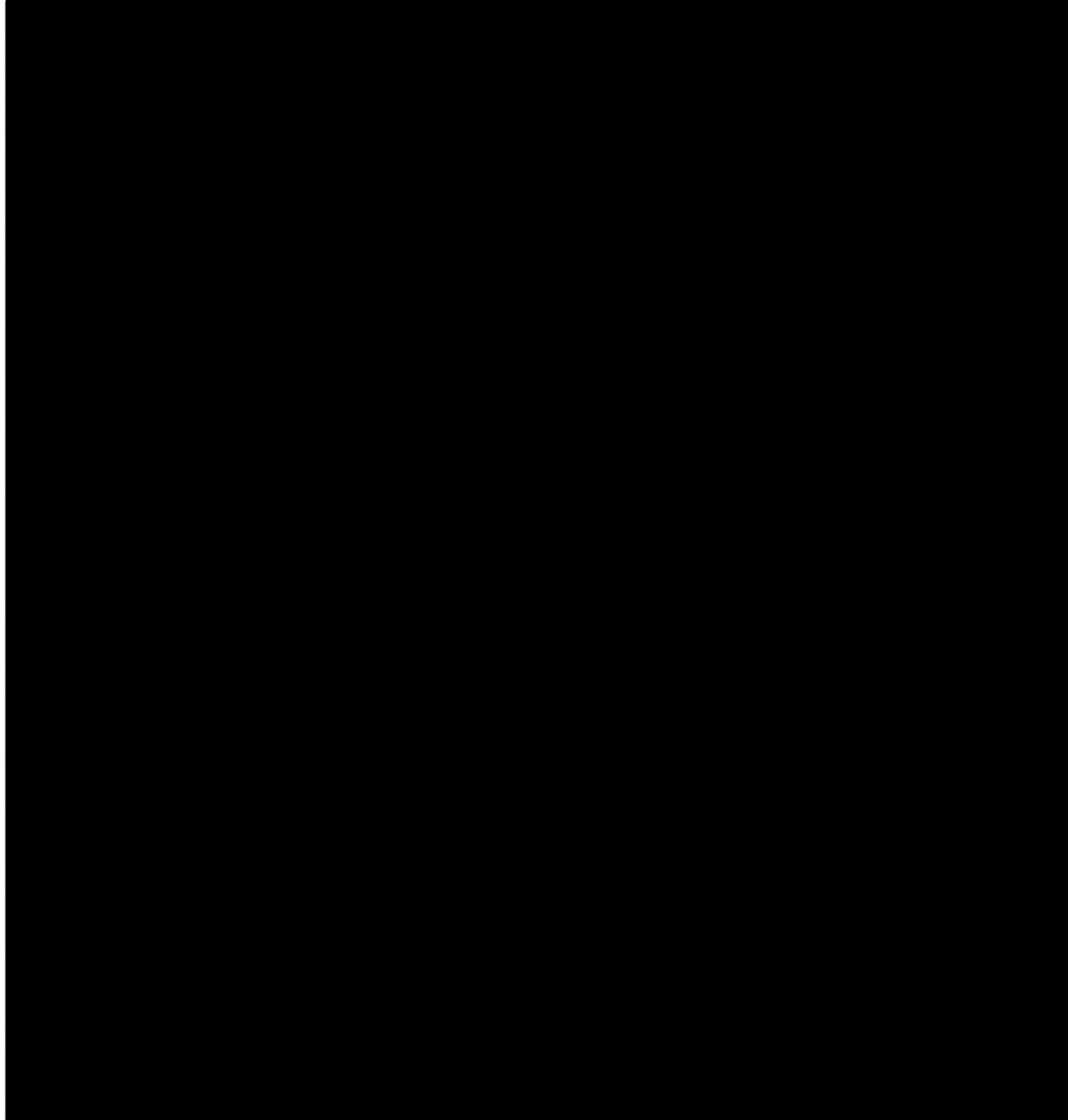


**Knot**



0 1,250 2,500 Meters

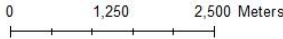


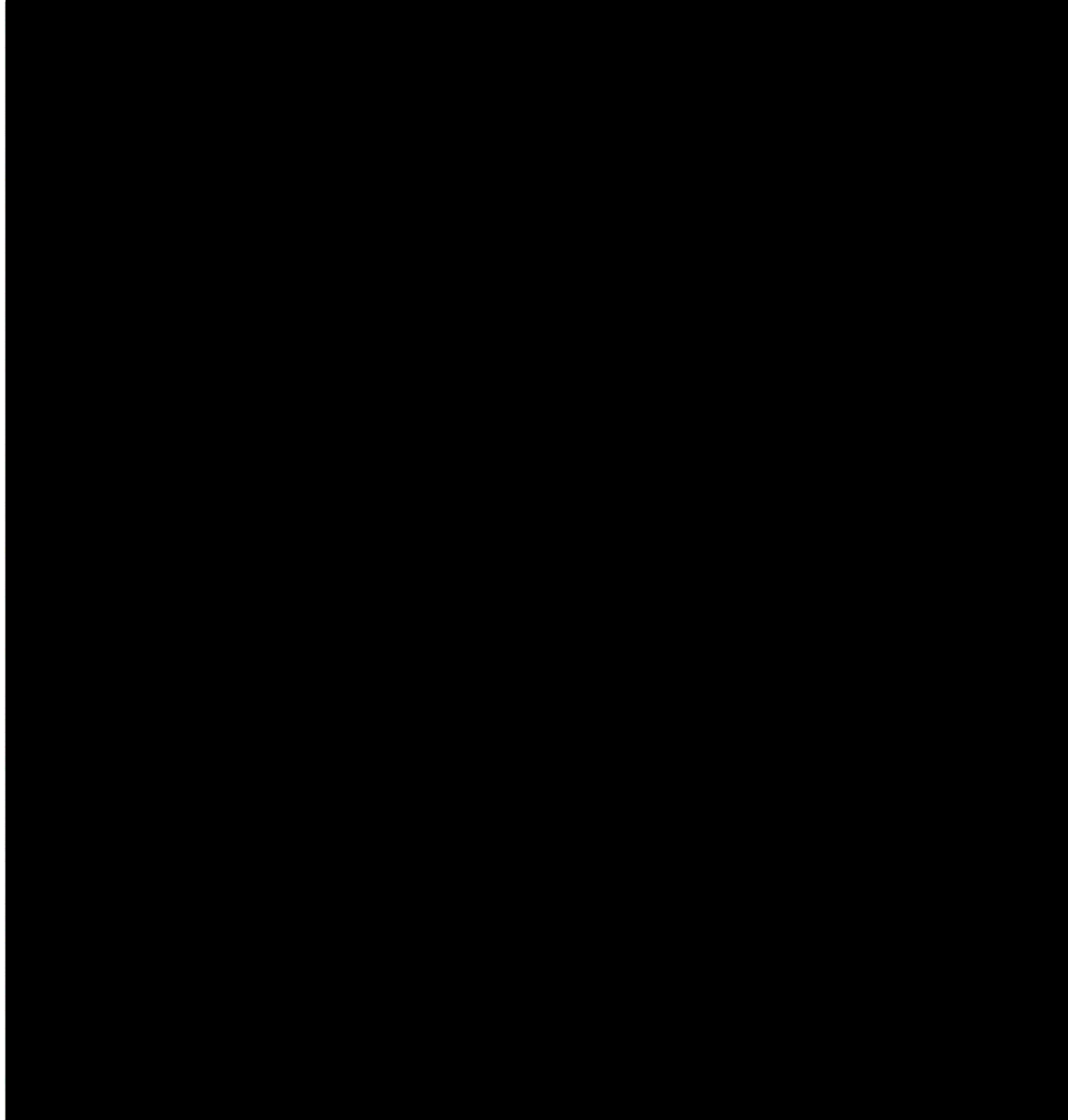


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Lapwing

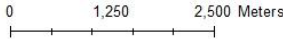




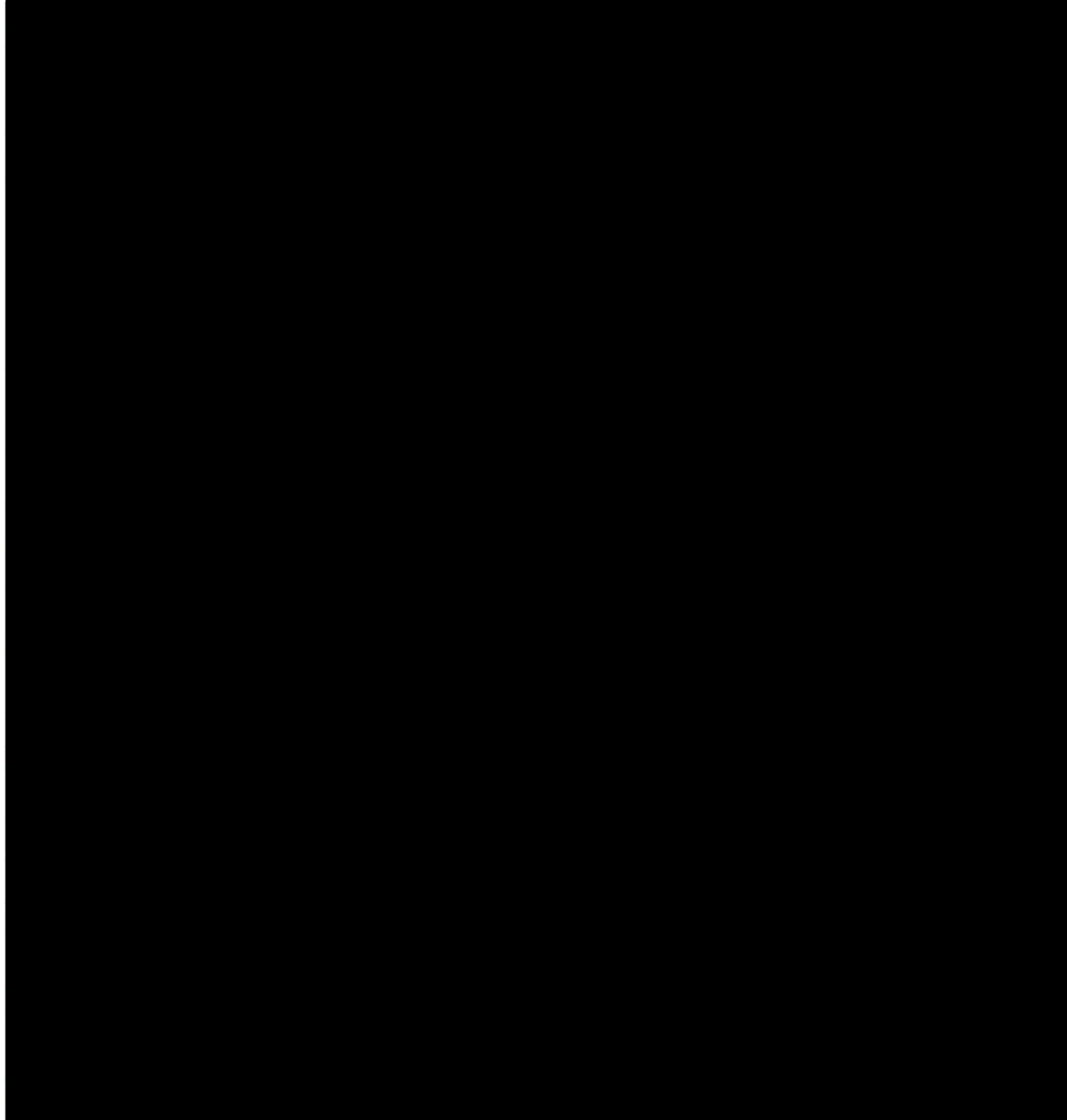
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**Oystercatcher**





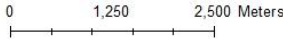


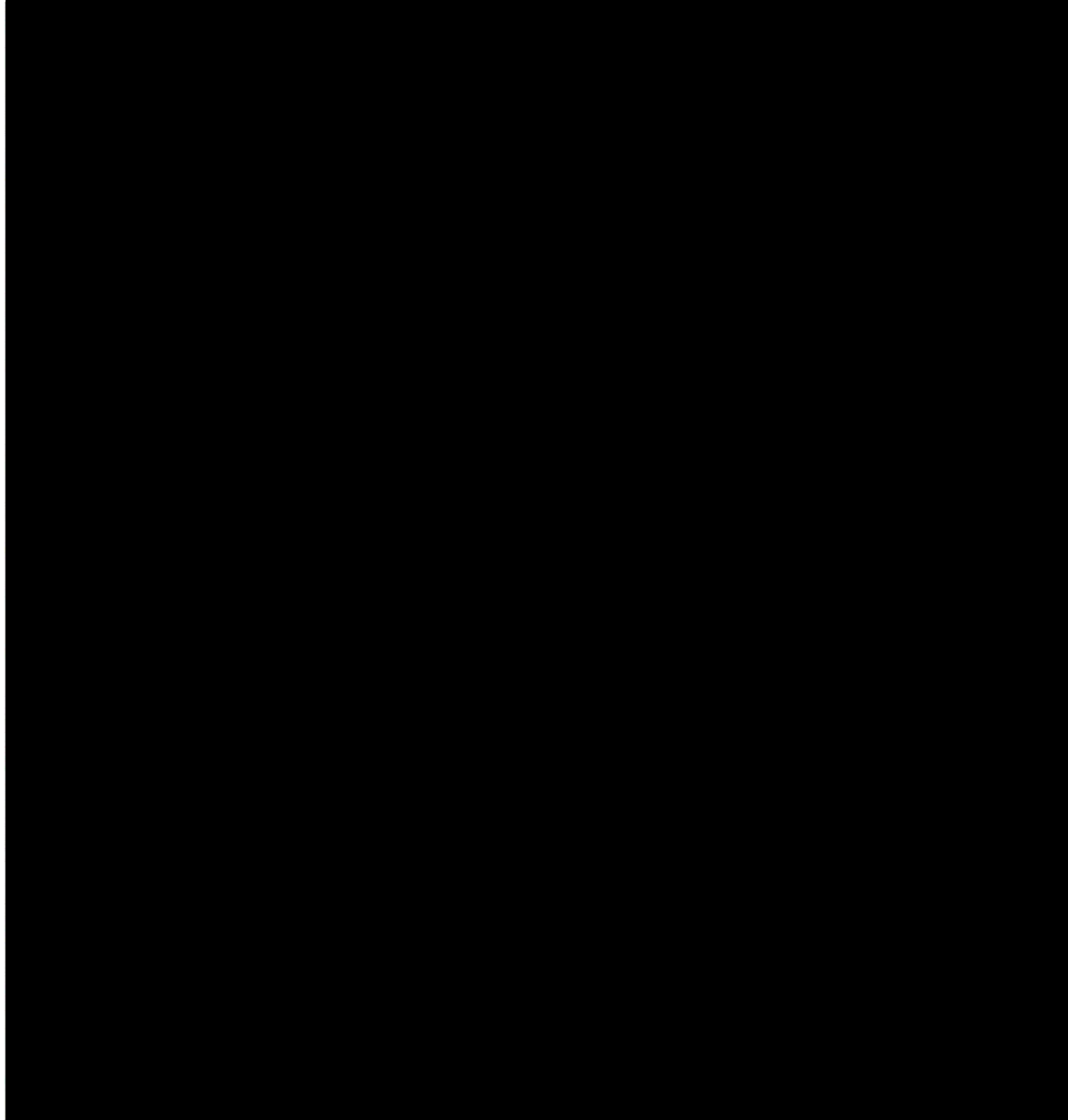
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Purple\_Sandpiper

● Y

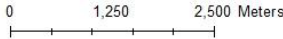


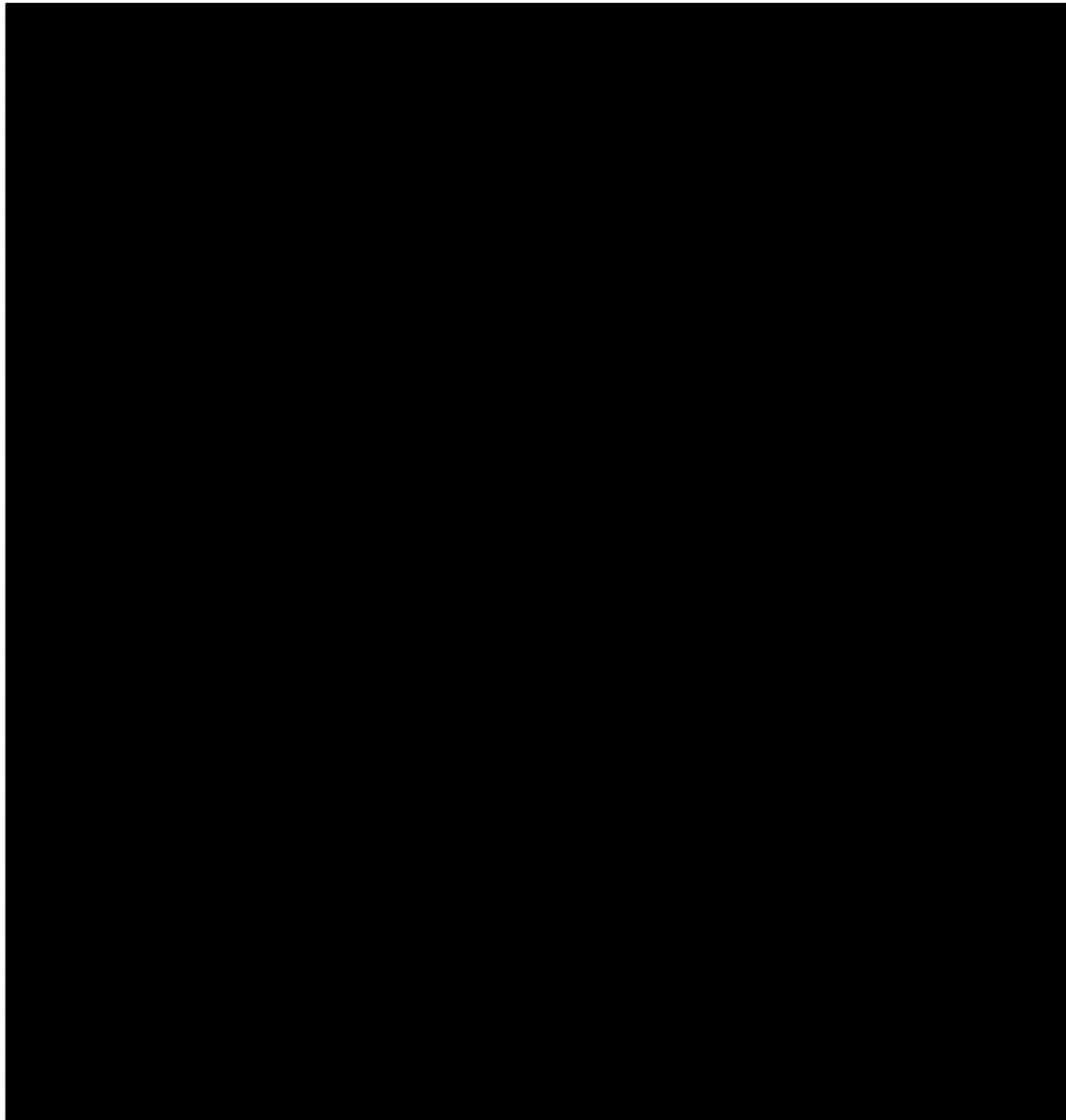


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**Redshank**



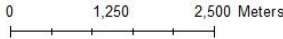


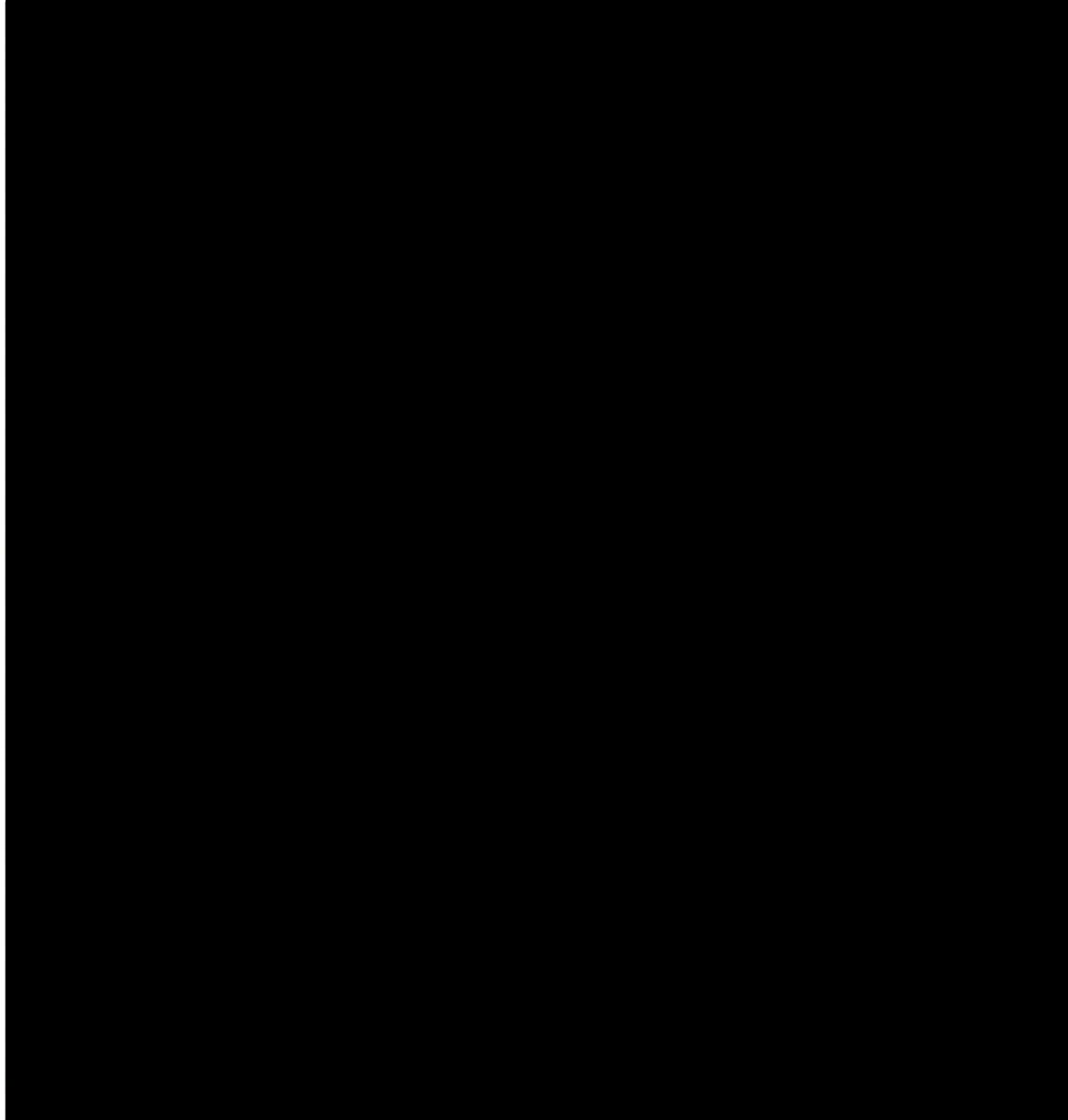
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**Ringed\_Plover**

● Y





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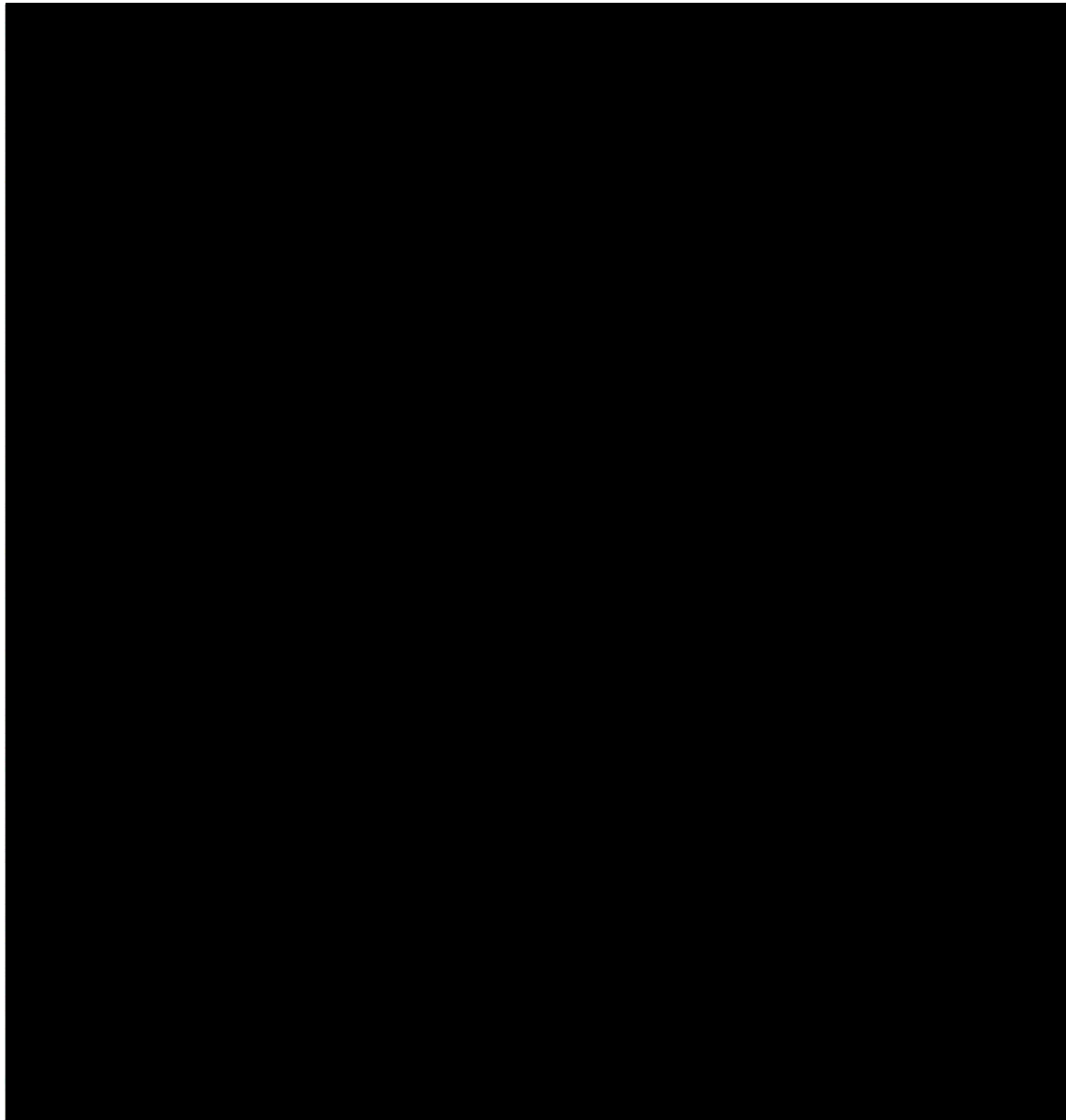


**Shelduck**



0 1,250 2,500 Meters

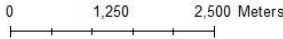




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Turnstone



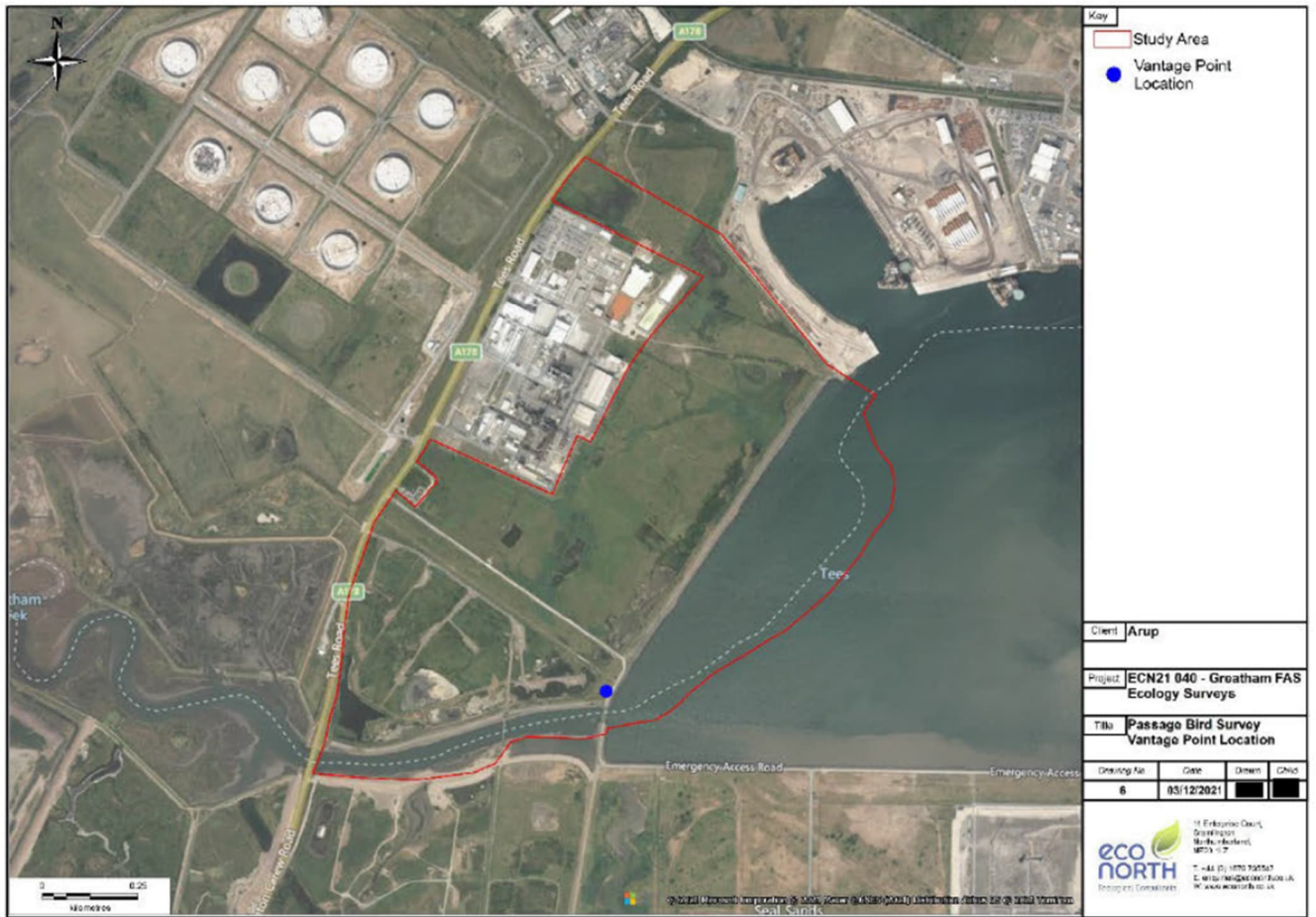


ANNEX D: ENVIRONMENT AGENCY FLOOD ALLEVIATION SCHEME BIRD SURVEY AREAS (REPRODUCED FROM TECHNICAL REPORTS TO ARUP BY ECONORTH, 2022. SOURCE: ENVIRONMENT AGENCY, 2023)

Wintering Bird Survey Area (Red Line). Other boundaries show embankments to be realigned (orange), breached (purple) or repaired. Hatching shows the extent of the Teesmouth and Cleveland Coast SPA.



Passage Birds Survey Area (Red Line)





### Breeding Birds Survey Area (Red Line)



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## ANNEX E: AREAS SURVEYED IN SUPPORT OF NATURAL ENGLAND REVIEW OF PROTECTED SITES (SOURCE: PERCIVAL, 2015)

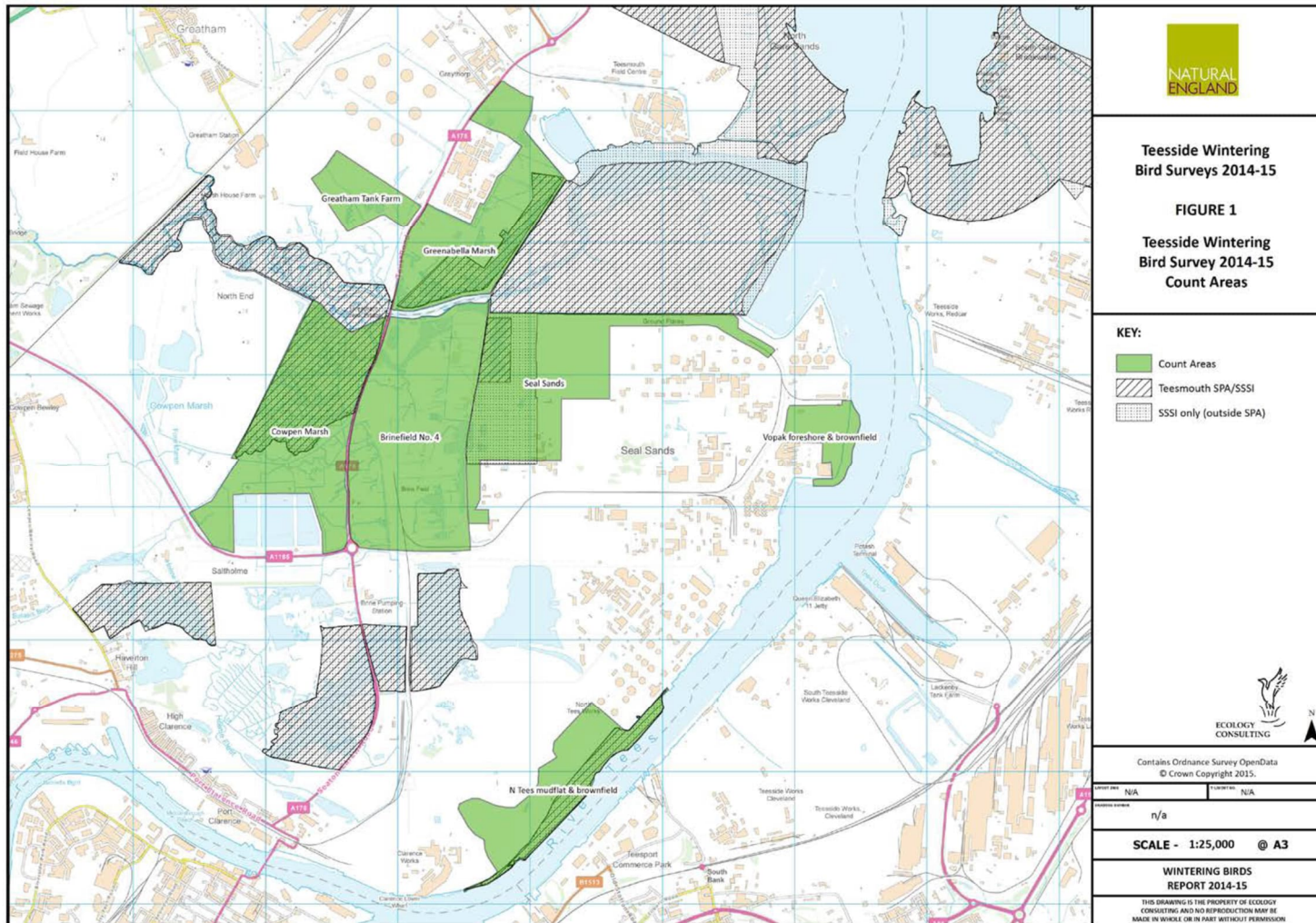
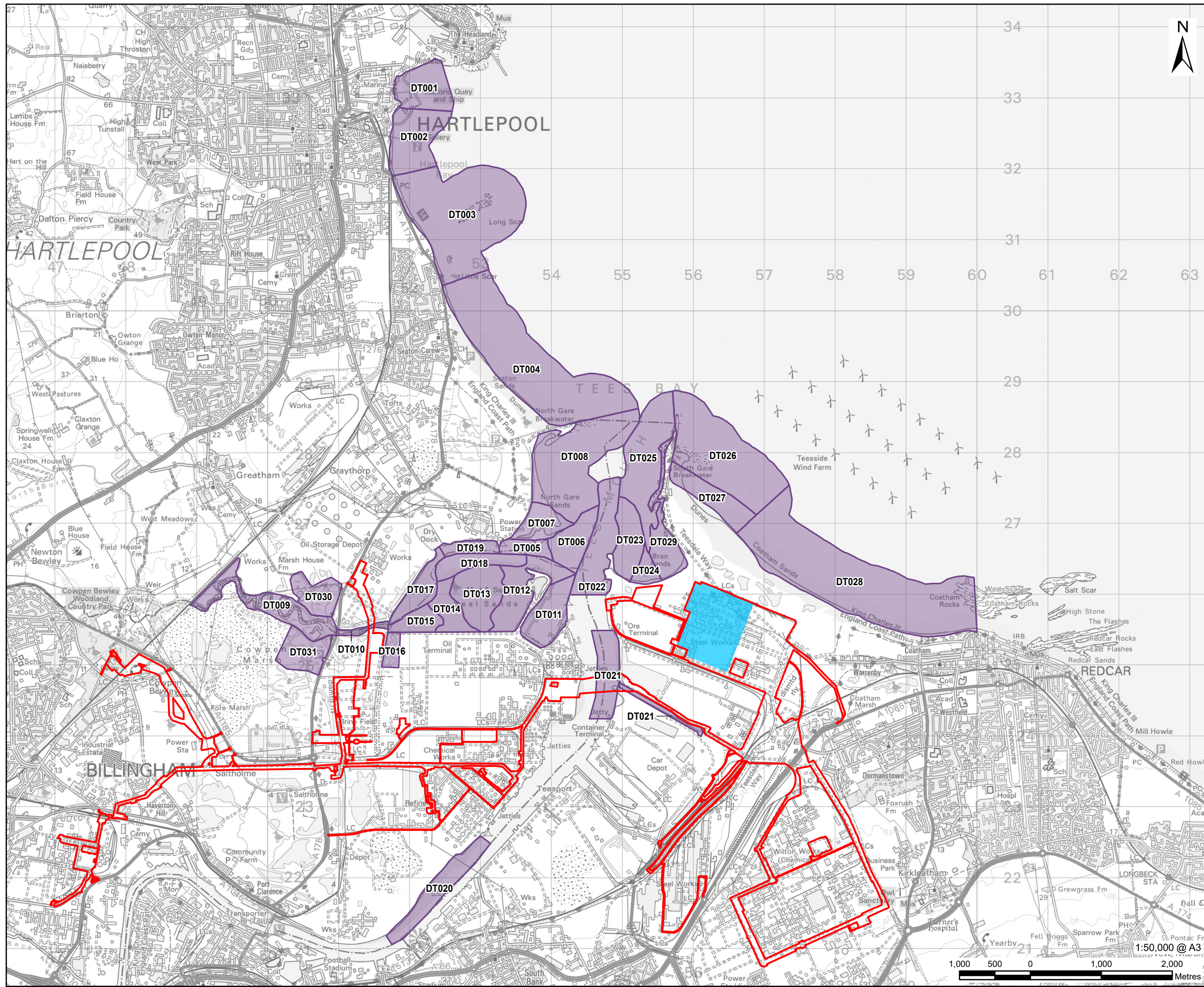


Plate 13A-4: Bird Count Areas Surveyed in Support of Natural England Review of Protected Sites (Percival, 2015)

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## ANNEX F: BRITISH TRUST FOR ORNITHOLOGY LOW TIDE COUNT DATA





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Table 1. BTO WeBS Low Tide Data for Sector DT009 (2018-19)

Species <sup>1</sup>	Preferred Habitat	Area of Preferred Habitat	Peak Count DT009	Peak Density DT009	Mean Count DT009	Mean Density DT009	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT009 as a % of whole site population
Shelduck <sup>2, 6</sup>	All habitats	57.0	6	0.11	2	0.04	132	122	147	156	156	3.8
Wigeon <sup>1</sup>	All habitats	57.0	175	3.07	124	2.17	303	160	134	25	303	57.8
Mallard	All habitats	57.0	2	0.04	1	0.01	8	6	18	15	18	11.1
Teal	All habitats	57.0	33	0.58	25	0.43	1020	816	937	387	1020	3.2
Little Grebe	Sub-tidal	0.1	1	10.00	1	5.00	3	2	.	.	3	33.3
Grey Heron	Intertidal & non-tidal	57.0	1	0.02	0	0.00	9	17	7	5	17	5.9
Little Egret	Intertidal & non-tidal	57.0	2	0.04	1	0.01	2	1	2	.	2	100.0
Cormorant	All habitats	57.0	1	0.02	1	0.01	42	55	38	36	55	1.8
Moorhen	All habitats	57.0	3	0.05	1	0.01	1	7	.	2	7	42.9
Oystercatcher	Intertidal	16.0	2	0.13	1	0.06	344	417	387	314	417	0.5
Lapwing <sup>1</sup>	Intertidal & non-tidal	57.0	1175	20.61	450	7.89	616	267	1952	436	1952	60.2
Golden Plover	Intertidal & non-tidal	57.0	1455	25.53	718	12.60	1332	893	1856	174	1856	78.4
Grey Plover	Intertidal	16.0	1	0.06	0	0.02	2	9	14	5	14	7.1
Curlew	Intertidal & non-tidal	57.0	20	0.35	7	0.13	45	42	63	62	63	31.7
Dunlin	Intertidal	16.0	2	0.13	1	0.03	10	.	1	9	10	20.0
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	57.0	67	1.18	22	0.39	308	323	491	415	491	13.6
Spotted Redshank	Intertidal & non-tidal	57.0	1	0.02	0	0.00	.	.	1	1	1	100.0
Black-headed Gull <sup>1</sup>	All habitats	57.0	7	0.12	5	0.08	348	290	628	626	628	1.1
Mediterranean Gull	All habitats	57.0	1	0.02	0	0.00	.	1	.	1	1	100.0
Herring Gull <sup>1</sup>	All habitats	57.0	4	0.07	2	0.03	860	1355	1607	1447	1607	0.2

<sup>1</sup> = Qualifying species of Teesmouth and Cleveland Coast SPA as part of the assemblage feature;

2 = Qualifying species of Teesmouth and Cleveland Coast SSSI

3 = Qualifying species of Teesmouth and Cleveland Coast SPA

4 = Qualifying species of Northumbria Coast SPA;

5 = Qualifying species of Durham Coast SSSI; and

6 = Qualifying species of Teesmouth NNR.



Table 2. BTO WeBS Low Tide Data for Sector DT010 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT010	Peak Density DT010	Mean Count DT010	Mean Density DT010	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT010 % of whole site population
Teal	All habitats	6.0	16	2.67	5	0.83	1020	816	937	387	1020	1.6
Red-breasted Merganser	Sub-tidal	1.0	3	3.00	1	0.75	9	12	11	16	16	18.8
Little Grebe	Sub-tidal	1.0	1	1.00	0	0.25	3	2	.	.	3	33.3
Grey Heron	Intertidal & non-tidal	5.0	3	0.60	1	0.20	9	17	7	5	17	17.6
Little Egret	Intertidal & non-tidal	5.0	1	0.20	0	0.05	2	1	2	.	2	50.0
Lapwing <sup>1</sup>	Intertidal & non-tidal	5.0	1	0.20	0	0.05	616	267	1952	436	1952	0.1
Curlew	Intertidal & non-tidal	5.0	3	0.60	2	0.40	45	42	63	62	63	4.8
Black-tailed Godwit	Intertidal & non-tidal	5.0	2	0.40	1	0.10	10	6	3	2	10	20.0
Turnstone <sup>4</sup>	Intertidal	5.0	1	0.20	0	0.05	61	75	17	27	75	1.3
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	5.0	11	2.20	9	1.80	308	323	491	415	491	2.2
Black-headed Gull <sup>1</sup>	All habitats	6.0	4	0.67	2	0.25	348	290	628	626	628	0.6
Herring Gull <sup>1</sup>	All habitats	6.0	7	1.17	3	0.42	860	1355	1607	1447	1607	0.4

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Table 3, BTO WeBS Low Tide Data for Sector DT021 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT021	Peak Density DT021	Mean Count DT021	Mean Density DT021	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT021 % of whole site population
Mute Swan	Sub-tidal	33.0	2	0.06	1	0.02	2	.	.	.	2	100.0
Shelduck <sup>2,6</sup>	All habitats	40.0	138	3.45	129	3.23	132	122	147	156	156	88.5
Gadwall <sup>2</sup>	All habitats	40.0	43	1.08	21	0.52	20	32	21	43	43	100.0
Mallard	All habitats	40.0	13	0.33	9	0.23	8	6	18	15	18	72.2
Teal	All habitats	40.0	848	21.20	677	16.92	1020	816	937	387	1020	83.1
Red-breasted Merganser	Sub-tidal	33.0	2	0.06	1	0.02	9	12	11	16	16	12.5
Grey Heron	Intertidal & non-tidal	7.0	5	0.71	4	0.50	9	17	7	5	17	29.4
Cormorant	All habitats	40.0	11	0.28	3	0.08	42	55	38	36	55	20.0
Moorhen	All habitats	40.0	2	0.05	1	0.02	1	7	.	2	7	28.6
Oystercatcher	Intertidal	7.0	13	1.86	8	1.14	344	417	387	314	417	3.1
Lapwing <sup>1</sup>	Intertidal & non-tidal	7.0	548	78.29	227	32.36	616	267	1952	436	1952	28.1
Curlew	Intertidal & non-tidal	7.0	8	1.14	7	1.04	45	42	63	62	63	12.7
Turnstone <sup>4</sup>	Intertidal	7.0	3	0.43	1	0.18	61	75	17	27	75	4.0
Redshank <sup>2,3,6</sup>	Intertidal & non-tidal	7.0	134	19.14	86	12.21	308	323	491	415	491	27.3
Black-headed Gull <sup>1</sup>	All habitats	40.0	80	2.00	60	1.50	348	290	628	626	628	12.7
Common Gull	All habitats	40.0	1	0.03	1	0.01	33	69	97	108	108	0.9
Great Black-backed Gull	All habitats	40.0	1	0.03	1	0.01	63	180	107	11	180	0.6
Herring Gull <sup>1</sup>	All habitats	40.0	61	1.53	31	0.78	860	1355	1607	1447	1607	3.8
Kingfisher	All habitats	40.0	1	0.03	0	0.01	.	.	.	1	1	100.0

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5 = Qualifying species of Durham Coast SSSI; and

6 = Qualifying species of Teesmouth NNR.

Table 4. BTO WeBS Low Tide Data for Sector DT022 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT022	Peak Density DT022	Mean Count DT022	Mean Density DT022	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT022 % of whole site population
Eider	Sub-tidal	47.0	2	0.04	1	0.02	29	9	2	15	29	6.9
Red-breasted Merganser	Sub-tidal	47.0	5	0.11	3	0.06	9	12	11	16	16	31.3
Grey Heron	Intertidal & non-tidal	13.0	4	0.31	1	0.10	9	17	7	5	17	23.5
Shag	Sub-tidal	47.0	8	0.17	2	0.04	13	8	31	15	31	25.8
Cormorant	All habitats	60.0	4	0.07	2	0.03	42	55	38	36	55	7.3
Oystercatcher	Intertidal	12.0	35	2.92	24	1.96	344	417	387	314	417	8.4
Grey Plover	Intertidal	12.0	2	0.17	1	0.04	2	9	14	5	14	14.3
Curlew	Intertidal & non-tidal	13.0	5	0.38	3	0.23	45	42	63	62	63	7.9
Bar-tailed Godwit	Intertidal	12.0	1	0.08	0	0.02	18	19	16	30	30	3.3
Turnstone <sup>4</sup>	Intertidal	12.0	2	0.17	1	0.06	61	75	17	27	75	2.7
Knot <sup>1, 2, 3, 6</sup>	Intertidal	12.0	1	0.08	0	0.02	2	.	6	115	115	0.9
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	13.0	17	1.31	8	0.60	308	323	491	415	491	3.5
Black-headed Gull <sup>1</sup>	All habitats	60.0	3	0.05	1	0.02	348	290	628	626	628	0.5
Common Gull	All habitats	60.0	4	0.07	1	0.02	33	69	97	108	108	3.7
Great Black-backed Gull	All habitats	60.0	7	0.12	5	0.08	63	180	107	11	180	3.9
Herring Gull <sup>1</sup>	All habitats	60.0	100	1.67	44	0.73	860	1355	1607	1447	1607	6.2

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Table 5. BTO WeBS Low Tide Data for Sector DT023 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT023	Peak Density DT023	Mean Count DT023	Mean Density DT023	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT023 % of whole site population
Oystercatcher	Intertidal	18.0	9	0.50	6	0.35	344	417	387	314	417	2.2
Curlew	Intertidal & non-tidal	19.0	3	0.16	1	0.07	45	42	63	62	63	4.8
Bar-tailed Godwit	Intertidal	18.0	2	0.11	1	0.03	18	19	16	30	30	6.7
Dunlin	Intertidal	18.0	2	0.11	1	0.03	10	.	1	9	10	20.0
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	19.0	5	0.26	3	0.14	308	323	491	415	491	1.0
Black-headed Gull <sup>1</sup>	All habitats	37.0	82	2.22	28	0.76	290	628	626	628	628	13.1
Common Gull	All habitats	37.0	62	1.68	35	0.95	69	97	108	108	108	57.4
Great Black-backed Gull	All habitats	37.0	8	0.22	3	0.07	180	107	11	180	180	4.4
Herring Gull <sup>1</sup>	All habitats	37.0	27	0.73	11	0.29	1355	1607	1447	1607	1607	1.7

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Table 6. BTO WeBS Low Tide Data for Sector DT024 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT024	Peak Density DT024	Mean Count DT024	Mean Density DT024	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT024 % of whole site population
Goldeneye	Sub-tidal	4.0	1	0.25	0	0.06	7	1	.	1	7	14.3
Red-breasted Merganser	Sub-tidal	4.0	3	0.75	1	0.19	9	12	11	16	16	18.8
Oystercatcher	Intertidal	8.0	15	1.88	7	0.84	344	417	387	314	417	3.6
Ringed Plover <sup>2</sup>	Intertidal	8.0	3	0.38	1	0.09	23	3	26	22	26	11.5
Curlew	Intertidal & non-tidal	8.0	6	0.75	4	0.44	45	42	63	62	63	9.5
Bar-tailed Godwit	Intertidal	8.0	12	1.50	4	0.53	18	19	16	30	30	40.0
Knot <sup>2, 3, 6</sup>	Intertidal	8.0	1	0.13	0	0.03	2	.	6	115	115	0.9
Dunlin	Intertidal	8.0	2	0.25	1	0.06	10	.	1	9	10	20.0
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	8.0	8	1.00	6	0.75	308	323	491	415	491	1.6
Black-headed Gull <sup>1</sup>	All habitats	12.0	16	1.33	6	0.50	290	628	626	628	628	2.5
Common Gull	All habitats	12.0	15	1.25	6	0.52	69	97	108	108	108	13.9
Great Black-backed Gull	All habitats	12.0	26	2.17	7	0.54	180	107	11	180	180	14.4
Herring Gull <sup>1</sup>	All habitats	12.0	109	9.08	38	3.15	1355	1607	1447	1607	1607	6.8

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Table 7. BTO WeBS Low Tide Data for Sector DT025 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT025	Peak Density DT025	Mean Count DT025	Mean Density DT025	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT025 % of whole site population
Gadwall <sup>2</sup>	All habitats	123.0	2	0.02	1	0.00	20	32	21	43	43	4.7
Eider	Sub-tidal	88.0	1	0.01	0	0.00	29	9	2	15	29	3.4
Red-breasted Merganser	Sub-tidal	88.0	3	0.03	1	0.01	9	12	11	16	16	18.8
Grey Heron	Intertidal & non-tidal	35.0	1	0.03	1	0.02	9	17	7	5	17	5.9
Shag	Sub-tidal	88.0	3	0.03	1	0.01	13	8	31	15	31	9.7
Cormorant	All habitats	123.0	10	0.08	6	0.05	42	55	38	36	55	18.2
Oystercatcher	Intertidal	35.0	11	0.31	7	0.20	344	417	387	314	417	2.6
Curlew	Intertidal & non-tidal	35.0	4	0.11	3	0.08	45	42	63	62	63	6.3
Bar-tailed Godwit	Intertidal	35.0	26	0.74	12	0.33	18	19	16	30	30	86.7
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	35.0	7	0.20	7	0.19	308	323	491	415	491	1.4
Black-headed Gull <sup>1</sup>	All habitats	123.0	24	0.20	14	0.11	290	628	626	628	628	3.8
Common Gull	All habitats	123.0	2	0.02	1	0.00	69	97	108	108	108	1.9
Great Black-backed Gull	All habitats	123.0	12	0.10	8	0.06	180	107	11	180	180	6.7
Herring Gull <sup>1</sup>	All habitats	123.0	69	0.56	57	0.47	1355	1607	1447	1607	1607	4.3

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Table 8. BTO WeBS Low Tide Data for Sector DT026 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT026	Peak Density DT026	Mean Count DT026	Mean Density DT026	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT026 % of whole site population
Eider	Sub-tidal	130.0	7	0.05	3	0.02	29	9	2	15	29	24.1
Long-tailed Duck	Sub-tidal	130.0	3	0.02	1	0.01	.	.	.	3	3	100.0
Red-throated Diver	Sub-tidal	130.0	4	0.03	3	0.02	4	17	8	4	17	23.5
Great Northern Diver	Sub-tidal	130.0	1	0.01	0	0.00	.	.	1	2	2	50.0
Shag	Sub-tidal	130.0	13	0.10	5	0.04	13	8	31	15	31	41.9
Cormorant	All habitats	141.0	12	0.09	8	0.05	42	55	38	36	55	21.8
Oystercatcher	Intertidal	11.0	43	3.91	24	2.14	344	417	387	314	417	10.3
Grey Plover	Intertidal	11.0	1	0.09	1	0.05	2	9	14	5	14	7.1
Curlew	Intertidal & non-tidal	11.0	5	0.45	3	0.25	45	42	63	62	63	7.9
Turnstone <sup>4</sup>	Intertidal	11.0	4	0.36	2	0.14	61	75	17	27	75	5.3
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	11.0	3	0.27	1	0.09	308	323	491	415	491	0.6
Black-headed Gull <sup>1</sup>	All habitats	141.0	48	0.34	17	0.12	348	290	628	626	628	7.6
Mediterranean Gull	All habitats	141.0	1	0.01	0	0.00	.	1	.	1	1	100.0
Common Gull	All habitats	141.0	3	0.02	2	0.01	33	69	97	108	108	2.8
Great Black-backed Gull	All habitats	141.0	6	0.04	3	0.02	63	180	107	11	180	3.3
Herring Gull <sup>1</sup>	All habitats	141.0	77	0.55	55	0.39	860	1355	1607	1447	1607	4.8

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Table 9. BTO WeBS Low Tide Data for Sector DT027 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT027	Peak Density DT027	Mean Count DT027	Mean Density DT027	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT027 % of whole site population
Red-breasted Merganser	Sub-tidal	24.0	2	0.08	1	0.04	9	12	11	16	16	12.5
Red-throated Diver	Sub-tidal	24.0	1	0.04	0	0.01	4	17	8	4	17	5.9
Black-throated Diver	Sub-tidal	24.0	1	0.04	0	0.01	.	.	1	.	1	100.0
Shag	Sub-tidal	24.0	1	0.04	0	0.01	13	8	31	15	31	3.2
Cormorant	All habitats	39.0	1	0.03	0	0.01	42	55	38	36	55	1.8
Oystercatcher	Intertidal	15.0	23	1.53	17	1.12	344	417	387	314	417	5.5
Ringed Plover <sup>2</sup>	Intertidal	15.0	9	0.60	2	0.15	23	3	26	22	26	34.6
Curlew	Intertidal & non-tidal	15.0	1	0.07	0	0.02	45	42	63	62	63	1.6
Bar-tailed Godwit	Intertidal	15.0	5	0.33	3	0.17	18	19	16	30	30	16.7
Turnstone <sup>4</sup>	Intertidal	15.0	43	2.87	17	1.15	61	75	17	27	75	57.3
Sanderling <sup>1, 2, 5</sup>	Intertidal	15.0	15	1.00	6	0.37	46	34	71	135	135	11.1
Dunlin	Intertidal	15.0	1	0.07	0	0.02	10	.	1	9	10	10.0
Purple Sandpiper <sup>2, 4, 5</sup>	Intertidal	15.0	1	0.07	0	0.02	4	7	.	2	7	14.3
RedshankError! Bookmark not defined. <sup>3</sup>	Intertidal & non-tidal	15.0	26	1.73	13	0.85	308	323	491	415	491	5.3
Black-headed Gull <sup>1</sup>	All habitats	39.0	89	2.28	62	1.58	290	628	626	628	628	14.2
Common Gull	All habitats	39.0	9	0.23	8	0.20	69	97	108	108	108	8.3
Great Black-backed Gull	All habitats	39.0	1	0.03	0	0.01	180	107	11	180	180	0.6
Herring Gull <sup>1</sup>	All habitats	39.0	59	1.51	37	0.96	1355	1607	1447	1607	1607	3.7

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Table 10. BTO WeBS Low Tide Data for Sector DT028 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT028	Peak Density DT028	Mean Count DT028	Mean Density DT028	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT028 % of whole site population
Brent Goose (Dark-bellied - bernicla)	All habitats	272.0	7	0.03	2	0.01	7	.	.	.	7	100.0
Wigeon <sup>1</sup>	All habitats	272.0	6	0.02	2	0.01	303	160	134	25	303	2.0
Eider	Sub-tidal	177.0	16	0.09	5	0.03	29	9	2	15	29	55.2
Velvet Scoter	Sub-tidal	177.0	3	0.02	1	0.01	1	3	2	.	3	100.0
Common Scoter	Sub-tidal	177.0	74	0.42	34	0.19	106	106	62	.	106	69.8
Red-breasted Merganser	Sub-tidal	177.0	1	0.01	0	0.00	9	12	11	16	16	6.3
Red-throated Diver	Sub-tidal	177.0	5	0.03	2	0.01	4	17	8	4	17	29.4
Great Crested Grebe	Sub-tidal	177.0	1	0.01	0	0.00	6	14	16	25	25	4.0
Grey Heron	Intertidal & non-tidal	95.0	2	0.02	1	0.01	9	17	7	5	17	11.8
Shag	Sub-tidal	177.0	4	0.02	2	0.01	13	8	31	15	31	12.9
Cormorant	All habitats	272.0	12	0.04	6	0.02	42	55	38	36	55	21.8
Oystercatcher	Intertidal	95.0	221	2.33	177	1.87	344	417	387	314	417	53.0
Curlew	Intertidal & non-tidal	95.0	8	0.08	5	0.05	45	42	63	62	63	12.7
Turnstone <sup>4</sup>	Intertidal	95.0	8	0.08	5	0.05	61	75	17	27	75	10.7
Knot <sup>2, 3, 6</sup>	Intertidal	95.0	115	1.21	29	0.30	2	.	6	115	115	100.0
Sanderling <sup>1, 2, 5</sup>	Intertidal	95.0	120	1.26	55	0.58	46	34	71	135	135	88.9
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	95.0	11	0.12	9	0.09	308	323	491	415	491	2.2
Black-headed Gull <sup>1</sup>	All habitats	272.0	280	1.03	99	0.36	348	290	628	626	628	44.6
Common Gull	All habitats	272.0	20	0.07	8	0.03	33	69	97	108	108	18.5
Great Black-backed Gull	All habitats	272.0	25	0.09	14	0.05	63	180	107	11	180	13.9
Herring Gull <sup>1</sup>	All habitats	272.0	240	0.88	120	0.44	860	1355	1607	1447	1607	14.9

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Table 11. BTO WeBS Low Tide Data for Sector DT029 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT029	Peak Density DT029	Mean Count DT029	Mean Density DT029	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT029 % of whole site population
Shelduck <sup>2, 6</sup>	All habitats	35.0	3	0.09	1	0.02	132	122	147	156	156	1.9
Red-breasted Merganser	Sub-tidal	0.1	3	30.00	1	7.50	9	12	11	16	16	18.8
Oystercatcher	Intertidal	35.0	18	0.51	13	0.36	344	417	387	314	417	4.3
Curlew	Intertidal & non-tidal	35.0	3	0.09	2	0.06	45	42	63	62	63	4.8
Bar-tailed Godwit	Intertidal	35.0	2	0.06	1	0.04	18	19	16	30	30	6.7
Redshank <sup>2, 3, 6</sup>	Intertidal & non-tidal	35.0	10	0.29	6	0.16	308	323	491	415	491	2.0
Black-headed Gull <sup>1</sup>	All habitats	35.0	18	0.51	5	0.14	348	290	628	626	628	2.9
Common Gull	All habitats	35.0	3	0.09	2	0.04	33	69	97	108	108	2.8
Herring Gull <sup>1</sup>	All habitats	35.0	138	3.94	41	1.17	860	1355	1607	1447	1607	8.6

1 = Qualifying species of Teesmouth and Cleveland Coast SPA as part of the assemblage feature;

2 = Qualifying species of Teesmouth and Cleveland Coast SSSI

3 = Qualifying species of Teesmouth and Cleveland Coast SPA

4 = Qualifying species of Northumbria Coast SPA;

5 = Qualifying species of Durham Coast SSSI; and

6 = Qualifying species of Teesmouth NNR.

Table 12. BTO WeBS Low Tide Data for Sector DT030 (2018-19)

Species	Preferred Habitat	Area of Preferred Habitat	Peak Count DT030	Peak Density DT030	Mean Count DT030	Mean Density DT030	Raw Monthly Whole Site NOV	Raw Monthly Whole Site DEC	Raw Monthly Whole Site JAN	Raw Monthly Whole Site FEB	Raw Monthly Whole Site WINTER MAXIMUM	DT030 % of whole site population
Shelduck <sup>2,6</sup>	All habitats	29.0	19	0.66	6	0.21	122	147	156	156	156	12.2
Wigeon <sup>1</sup>	All habitats	29.0	29	1.00	7	0.25	160	134	25	303	303	9.6
Mallard	All habitats	29.0	2	0.07	1	0.02	6	18	15	18	18	11.1
Teal	All habitats	29.0	52	1.79	28	0.97	816	937	387	1020	1020	5.1
Little Grebe	Sub-tidal	1.0	2	2.00	1	0.50	3	2	.	.	3	66.7
Grey Heron	Intertidal & non-tidal	28.0	2	0.07	1	0.02	9	17	7	5	17	11.8
Little Egret	Intertidal & non-tidal	28.0	1	0.04	0	0.01	2	1	2	.	2	50.0
Oystercatcher	Intertidal	28.0	1	0.04	0	0.01	344	417	387	314	417	0.2
Lapwing <sup>1</sup>	Intertidal & non-tidal	28.0	183	6.54	62	2.21	616	267	1952	436	1952	9.4
Cormorant	Intertidal	28.0	26	0.93	11	0.38	23	3	26	22	26	100.0
Curlew	Intertidal & non-tidal	28.0	14	0.50	8	0.29	45	42	63	62	63	22.2
Bar-tailed Godwit	Intertidal	28.0	1	0.04	1	0.02	18	19	16	30	30	3.3
Black-tailed Godwit	Intertidal & non-tidal	28.0	5	0.18	1	0.04	10	6	3	2	10	50.0
Dunlin	Intertidal	28.0	3	0.11	1	0.04	10	.	1	9	10	30.0
Snipe	Non-tidal	0.1	1	10.00	0	2.50	1	.	.	.	1	100.0
Redshank <sup>2,3,6</sup>	Intertidal & non-tidal	28.0	124	4.43	74	2.65	308	323	491	415	491	25.3
Spotted Redshank	Intertidal & non-tidal	28.0	1	0.04	0	0.01	.	.	1	1	1	100.0
Black-headed Gull <sup>1</sup>	All habitats	29.0	1	0.03	0	0.01	348	290	628	626	628	0.2
Herring Gull <sup>1</sup>	All habitats	29.0	1	0.03	0	0.01	860	1355	1607	1447	1607	0.1

1 = Qualifying species of Teesmouth and Cleveland Coast SPA as part of the assemblage feature;

2 = Qualifying species of Teesmouth and Cleveland Coast SSSI

3 = Qualifying species of Teesmouth and Cleveland Coast SPA

4 = Qualifying species of Northumbria Coast SPA;

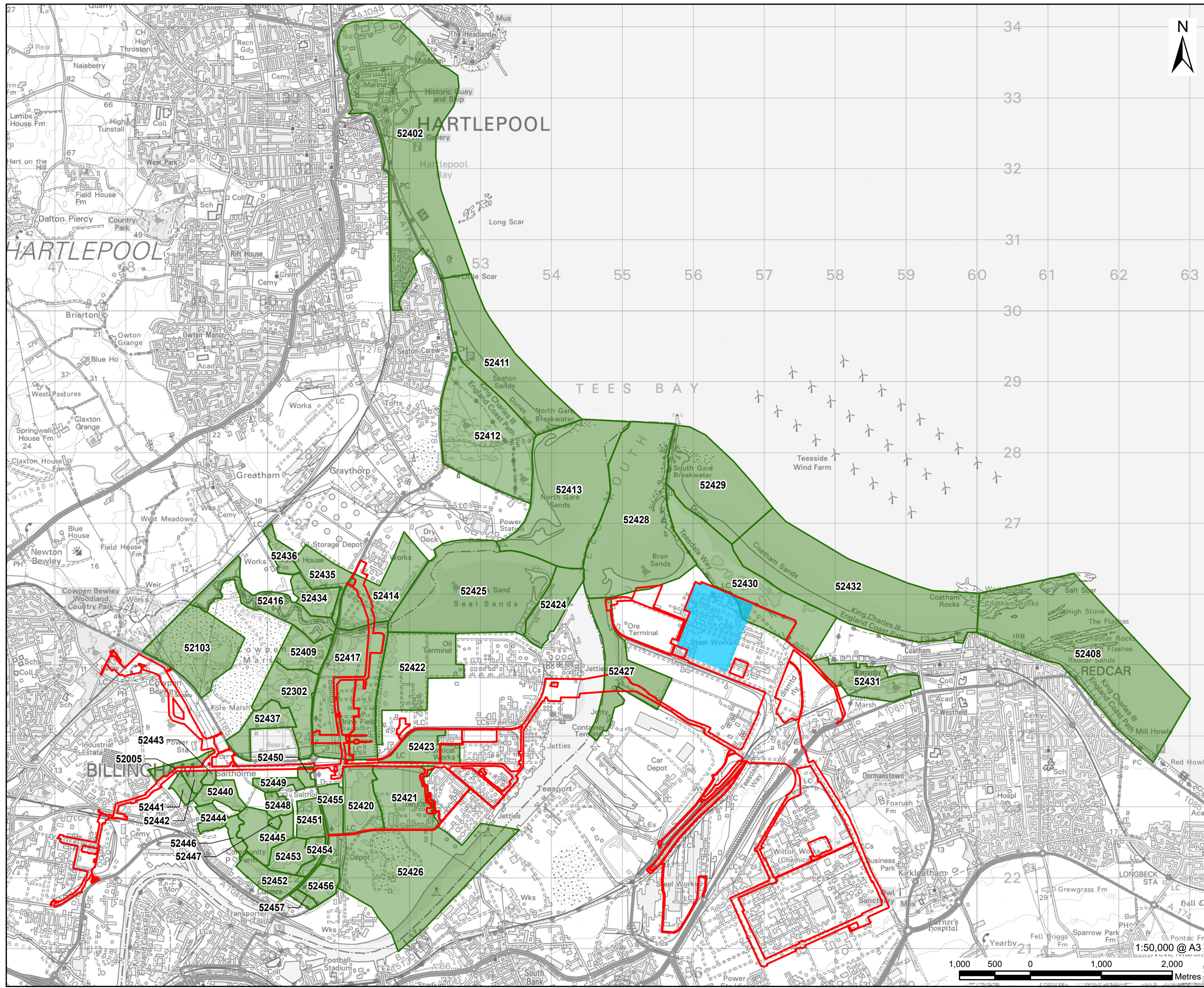
5 = Qualifying species of Durham Coast SSSI; and

6 = Qualifying species of Teesmouth NNR.

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## ANNEX G: BRITISH TRUST FOR ORNITHOLOGY CORE COUNT DATA





**AECOM**

**PROJECT**  
H2Teesside DCO

**APPLICANT**  
H2 Teesside Limited

**CONSULTANT**  
AECOM Limited  
100 Embankment,  
Cathedral Approach,  
Manchester, M3 7FB  
www.aecom.com

**LEGEND**

- Proposed Development Site
- Main Site
- BTO Tees Estuary High Tide

**NOTES**

- 1: Contains Ordnance Survey Data © Crown Copyright and database right 2024.
- 2: Data provided by © British Trust for Ornithology (2022)

**ISSUE PURPOSE**  
Environmental Statement

**PROJECT NUMBER**  
60689030

**FIGURE TITLE**  
BTO WeBS Core Count Sectors

**FIGURE NUMBER**  
Annex G

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## Footnotes to all Tables

1 As stated on one or more of the data/information sheets for Teesmouth and Cleveland Coast SPA (<https://jncc.gov.uk/jncc-assets/SPA-N2K/UK9006061.pdf>), Northumbria Coast SPA (<https://jncc.gov.uk/jncc-assets/SPA-N2K/UK9006131.pdf>), Teesmouth and Cleveland Coast Ramsar (<https://jncc.gov.uk/jncc-assets/RIS/UK11068.pdf>) and Northumbria Coast Ramsar (<https://jncc.gov.uk/jncc-assets/RIS/UK11049.pdf>). b = breeding; w = wintering; p = passage.

2 As stated in Austin et al. (2023; Ref XX. Austin, G.E., Calbrade, N.A., Birtles, G.A., Peck, K., Shaw, J.M. Wotton, S.R., Balmer, D.E. and Frost, T.M. 2023. Waterbirds in the UK 2021/22: The Wetland Bird Survey and Goose & Swan Monitoring Programme. BTO/RSPB/JNCC/NatureScot. Thetford; <https://app.bto.org/webs-reporting/numbers.jsp>, accessed January 2024). N/A = Not Applicable

3 Species is a qualifying feature of the Teesmouth and Cleveland Coast SPA/Ramsar either individually or as assemblage species.

4 Species is a qualifying feature of the Teesmouth and Cleveland Coast SSSI either individually or as assemblage species.

5 Species is a qualifying feature of the Northumbria Coast SPA/Ramsar.

6 Species is a qualifying feature of the Durham Coast SSSI either individually or as assemblage species.

7 Species is a qualifying feature of Teesmouth NNR.

Table 1. BTO WeBS Core Count Five-year summary for Sector 52444, Allotment Pool

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22 <sup>2</sup>	SPA/Ramsar 1% Threshold
Canada Goose	*94%	*4%	*18%	*34%	N/A	N/A	N/A	N/A	47	2	9	17	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	0%	0%	0%	N/A	N/A	N/A	N/A	N/A	1	4	4	N/A	N/A	N/A
Hybrid goose	N/A	N/A	*2%	*2%	N/A	N/A	N/A	N/A	N/A	N/A	1	1	N/A	N/A	N/A
Mute Swan	0%	0%	0%	0%	0%	0%	0%	0%	1	2	1	2	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	4%	5%	6%	11%	1%	2%	2%	3%	8	10	11	21	Assemblage	182	2
Gadwall <sup>4</sup>	12%	5%	0%	8%	3%	1%	0%	2%	38	15	0	25	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	6	0	N/A	3	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	3	3	2	3	N/A	N/A	N/A
Teal	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	1	N/A	N/A	N/A
Pochard	2%	3%	5%	6%	0%	0%	1%	1%	5	8	12	14	N/A	N/A	N/A
Tufted Duck	1%	1%	1%	1%	0%	0%	0%	0%	8	17	8	17	N/A	N/A	N/A
Goldeneye	N/A	1%	0%	1%	N/A	0%	0%	0%	N/A	2	0	2	N/A	N/A	N/A
Little Grebe	2%	1%	2%	3%	0%	0%	0%	0%	3	2	3	4	N/A	N/A	N/A
Great Crested Grebe	2%	1%	2%	2%	0%	0%	0%	0%	4	2	3	4	N/A	N/A	N/A
Grey Heron	1%	0%	0%	1%	0%	0%	0%	0%	5	1	1	3	N/A	N/A	N/A
Cormorant <sup>6</sup>	1%	0%	0%	0%	0%	0%	0%	0%	4	2	1	3	N/A	N/A	N/A
Coot	3%	5%	1%	5%	0%	1%	0%	1%	51	95	12	95	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	73	6	23	62	Assemblage	2169	22
Great Black-backed Gull	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	6	17	5	26	Assemblage	1705	17
Lesser Black-backed Gull	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	0	1	2	N/A	N/A	N/A

Table 2. BTO WeBS Core Count Five-year summary for Sector 52453, Back Saltholme

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak of International Threshold	Winter peak of International Threshold	Spring peak cf International Threshold	Annual peak of International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation!	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*294%	*346%	*192%	*428%	N/A	N/A	N/A	N/A	147	173	96	214	N/A	N/A	N/A
Barnacle Goose	*258%	*0%	*2%	*172%	N/A	N/A	N/A	N/A	129	0	1	86	N/A	N/A	N/A
Greylag Goose (British/Irish)	35%	5%	8%	28%	N/A	N/A	N/A	N/A	490	63	113	387	N/A	N/A	N/A
Pink-footed Goose	0%	N/A	0%	0%	0%	N/A	0%	0%	2	N/A	1	2	N/A	N/A	N/A
Hybrid goose	N/A	*2%	*2%	*2%	N/A	N/A	N/A	N/A	N/A	1	1	1	N/A	N/A	N/A
Mute Swan	1%	1%	1%	1%	1%	1%	1%	1%	6	4	6	7	N/A	N/A	N/A
Whooper Swan	6%	N/A	N/A	3%	3%	N/A	N/A	1%	9	N/A	N/A	5	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	1%	3%	3%	3%	0%	1%	1%	1%	5	13	16	16	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	24%	22%	7%	25%	7%	6%	2%	7%	46	42	13	47	Assemblage	182	2
Gadwall <sup>4</sup>	28%	13%	21%	28%	7%	3%	5%	7%	88	39	64	88	N/A	N/A	N/A
Wigeon <sup>3</sup>	7%	20%	2%	20%	2%	7%	1%	7%	317	918	70	918	Assemblage	4112	41
Mallard	1%	0%	0%	0%	0%	0%	0%	0%	40	6	14	31	N/A	N/A	N/A
Pintail	1%	7%	1%	7%	0%	2%	0%	2%	1	14	1	14	N/A	N/A	N/A
Teal	4%	7%	1%	7%	3%	6%	1%	6%	157	300	46	300	N/A	N/A	N/A
Pochard	5%	5%	4%	6%	1%	1%	0%	1%	11	11	9	14	N/A	N/A	N/A
Tufted Duck	3%	1%	2%	2%	0%	0%	0%	0%	38	9	22	29	N/A	N/A	N/A
Goldeneye	N/A	3%	1%	3%	N/A	0%	0%	0%	N/A	5	1	5	N/A	N/A	N/A
Red-breasted Merganser	N/A	4%	1%	4%	N/A	0%	0%	0%	N/A	4	1	4	N/A	N/A	N/A
Little Grebe	1%	0%	N/A	1%	0%	0%	N/A	0%	1	0	N/A	1	N/A	N/A	N/A
Great Crested Grebe	3%	1%	3%	3%	0%	0%	0%	0%	5	2	5	5	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	2	2	0	2	N/A	N/A	N/A
Little Egret	5%	2%	1%	5%	1%	0%	0%	0%	6	2	1	5	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	1	1	1	N/A	N/A	N/A

SPECIES	Autumn peak of National Threshold	Winter peak of National Threshold	Spring peak of National Threshold	Annual peak of National Threshold	Autumn peak of International Threshold	Winter peak of International Threshold	Spring peak of International Threshold	Annual peak of International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22	SPA/Ramsar 1% Threshold
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	3	2	2	4	N/A	N/A	N/A
Coot	4%	1%	3%	4%	1%	0%	0%	0%	81	16	54	70	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	1	2	1	2	N/A	N/A	N/A
Avocet <sup>3,4</sup>	5%	3%	11%	11%	0%	0%	1%	1%	4	3	10	10	18 pairs (b)	N/A	2
Lapwing Bookmark not defined.	1%	4%	0%	4%	0%	1%	0%	1%	60	247	17	247	Assemblage	3690	37
Ringed Plover <sup>4,7</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	1	N/A	N/A	N/A
Little Ringed Plover	*2%	N/A	*2%	*2%	0%	N/A	0%	0%	1	N/A	1	1	N/A	N/A	N/A
Curlew	2%	3%	0%	3%	0%	1%	0%	1%	20	38	1	38	N/A	N/A	N/A
Black-tailed Godwit	9%	2%	N/A	5%	3%	1%	N/A	2%	35	9	N/A	20	N/A	N/A	N/A
Knot <sup>3,4,7</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	1	5509 individuals (w)	N/A	55
Ruff <sup>3,4</sup>	*6%	N/A	N/A	*4%	0%	N/A	N/A	0%	3	N/A	N/A	2	19 individuals (w, p)	N/A	1
Dunlin	0%	0%	0%	0%	0%	0%	0%	0%	2	7	1	8	N/A	N/A	N/A
Little Stint	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	5	0	N/A	3	N/A	N/A	N/A
Common Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	2	2	2	2	1648 individuals (p)	N/A	16
Greenshank	*6%	N/A	N/A	*4%	0%	N/A	N/A	0%	3	N/A	N/A	2	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	1%	1%	1%	1%	1%	1%	1%	1%	160	174	227	235	Assemblage	2169	22
Common Gull	0%	0%	0%	0%	0%	0%	0%	0%	5	2	2	4	N/A	N/A	N/A
Great Black-backed Gull	8%	8%	1%	10%	2%	2%	0%	2%	59	57	7	75	N/A	N/A	N/A
Herring Gull <sup>3</sup>	5%	1%	0%	4%	4%	1%	0%	3%	385	92	10	280	Assemblage	1705	17
Lesser Black-backed Gull	2%	0%	0%	1%	0%	0%	0%	0%	19	3	5	14	N/A	N/A	N/A
Sandwich Tern <sup>3,4,7</sup>	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	1900 individuals (p)	N/A	19
Common Tern <sup>3,4</sup>	*4%	N/A	*4%	*4%	0%	N/A	0%	0%	2	N/A	2	2	399 pairs (b)	N/A	8





Table 3. BTO WeBS Core Count Five-year summary for Sector 52454, Big and Old Field

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*354%	*508%	*46%	*688%	N/A	N/A	N/A	N/A	177	254	23	344	N/A	N/A	N/A
Barnacle Goose	*60%	*0%	*2%	*40%	N/A	N/A	N/A	N/A	30	0	1	20	N/A	N/A	N/A
Greylag Goose (British/Irish)	29%	0%	5%	19%	N/A	N/A	N/A	N/A	404	6	65	269	N/A	N/A	N/A
Hybrid goose	*2%	*0%	N/A	*2%	N/A	N/A	N/A	N/A	1	0	N/A	1	N/A	N/A	N/A
Mute Swan	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Whooper Swan	1%	N/A	N/A	1%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	0%	1%	2%	2%	0%	0%	0%	0%	1	5	8	10	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	1%	2%	2%	N/A	0%	0%	1%	N/A	2	3	4	Assemblage	182	2
Gadwall <sup>4</sup>	N/A	14%	11%	25%	N/A	4%	3%	6%	N/A	42	34	76	N/A	N/A	N/A
Wigeon <sup>3</sup>	8%	13%	1%	14%	3%	4%	0%	5%	377	604	27	645	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	3	4	6	7	N/A	N/A	N/A
Pintail	N/A	1%	1%	1%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Teal	0%	1%	2%	3%	0%	1%	2%	2%	5	40	94	110	N/A	N/A	N/A
Tufted Duck	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	3	3	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	1	0	1	1	N/A	N/A	N/A
Little Egret	2%	1%	0%	1%	0%	0%	0%	0%	2	1	0	1	N/A	N/A	N/A
Moorhen	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Coot	0%	1%	2%	2%	0%	0%	0%	0%	7	23	30	34	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	2	1	1	2	N/A	N/A	N/A
Avocet <sup>3,4</sup>	N/A	N/A	2%	2%	N/A	N/A	0%	0%	N/A	N/A	2	2	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	7%	16%	0%	16%	2%	5%	0%	5%	414	1007	13	1007	Assemblage	3690	37
Golden Plover	0%	0%	N/A	0%	0%	0%	N/A	0%	9	1	N/A	7	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	N/A	N/A	1%	1%	N/A	N/A	1%	1%	N/A	N/A	4	4	N/A	N/A	N/A
Little Ringed Plover	N/A	N/A	*4%	*4%	N/A	N/A	0%	0%	N/A	N/A	2	2	N/A	N/A	N/A
Curlew	2%	3%	0%	3%	0%	0%	0%	0%	20	34	1	34	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Black-tailed Godwit	1%	N/A	N/A	1%	0%	N/A	N/A	0%	3	N/A	N/A	2	N/A	N/A	N/A
Dunlin	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	1	1	2	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	76	52	42	95	Assemblage	2169	22
Common Gull	0%	0%	0%	0%	0%	0%	0%	0%	1	1	0	1	N/A	N/A	N/A
Great Black-backed Gull	11%	0%	1%	8%	2%	0%	0%	2%	87	2	9	58	N/A	N/A	N/A
Herring Gull <sup>3</sup>	1%	0%	0%	1%	1%	0%	0%	1%	92	0	12	61	Assemblage	1705	17
Lesser Black-backed Gull	1%	0%	0%	1%	0%	0%	0%	0%	8	1	2	6	N/A	N/A	N/A

Table 4. BTO WeBS Core Count Five-year summary for Sector 52428, Bran Sands North

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Brent Goose (Svalbard Light-bellied)	N/A	*4%	N/A	*4%	N/A	2%	N/A	2%	N/A	2	N/A	2	N/A	N/A	N/A
Whooper Swan	1%	N/A	N/A	1%	1%	N/A	N/A	1%	2	N/A	N/A	2	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	0%	1%	1%	1%	0%	0%	0%	0%	1	3	4	6	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	3	1	N/A	3	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	2	N/A	N/A	N/A
Pintail	1%	N/A	N/A	1%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Teal	0%	0%	N/A	0%	0%	0%	N/A	0%	4	17	N/A	17	N/A	N/A	N/A
Tufted Duck	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Eider	0%	1%	0%	1%	0%	0%	0%	0%	2	5	3	6	N/A	N/A	N/A
Goldeneye	1%	N/A	N/A	1%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Red-breasted Merganser	1%	5%	0%	5%	0%	1%	0%	1%	1	5	0	5	N/A	N/A	N/A
Red-throated Diver	N/A	2%	0%	1%	N/A	0%	0%	0%	N/A	4	0	3	N/A	N/A	N/A
Great Northern Diver	N/A	*2%	N/A	*2%	N/A	2%	N/A	2%	N/A	1	N/A	1	N/A	N/A	N/A
Great Crested Grebe	1%	2%	1%	3%	0%	0%	0%	0%	1	4	1	5	N/A	N/A	N/A
Slavonian Grebe	N/A	*2%	N/A	*2%	N/A	2%	N/A	2%	N/A	1	N/A	1	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	1	1	0	1	N/A	N/A	N/A
Little Egret	1%	1%	0%	2%	0%	0%	0%	0%	1	1	0	2	N/A	N/A	N/A
Shag	0%	2%	0%	2%	0%	1%	0%	1%	5	25	2	27	N/A	N/A	N/A
Cormorant <sup>6</sup>	13%	8%	5%	16%	7%	4%	2%	8%	82	49	29	100	N/A	N/A	N/A
Oystercatcher	5%	4%	2%	5%	2%	1%	1%	2%	131	107	67	150	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Lapwing <sup>3</sup>	2%	2%	N/A	3%	1%	1%	N/A	1%	133	154	N/A	193	Assemblage	3690	37
Golden Plover	0%	1%	N/A	1%	0%	0%	N/A	0%	5	31	N/A	28	N/A	N/A	N/A
Grey Plover	9%	27%	3%	27%	2%	4%	1%	4%	30	88	10	88	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	9%	3%	19%	19%	7%	2%	14%	15%	39	13	78	80	N/A	N/A	N/A
Whimbrel	*6%	N/A	*0%	*6%	0%	N/A	0%	0%	3	N/A	0	3	N/A	N/A	N/A
Curlew	4%	2%	0%	4%	1%	0%	0%	1%	43	20	1	51	N/A	N/A	N/A
Bar-tailed Godwit	4%	6%	1%	6%	1%	2%	0%	2%	18	32	4	32	N/A	N/A	N/A
Turnstone <sup>5</sup>	6%	4%	1%	6%	2%	1%	0%	2%	24	17	3	25	1739 individuals (w)	N/A	17
Knot <sup>3,4,7</sup>	4%	3%	0%	5%	2%	1%	0%	2%	91	70	5	123	5509 individuals (w)	N/A	55
Sanderling <sup>3,4,6</sup>	8%	2%	2%	7%	1%	0%	0%	1%	15	4	4	13	Assemblage	310	3
Dunlin	2%	6%	1%	6%	1%	2%	0%	2%	83	200	39	200	N/A	N/A	N/A
Purple Sandpiper <sup>4,5,6</sup>	N/A	1%	N/A	1%	N/A	1%	N/A	1%	N/A	1	N/A	1	787 individuals (w)	N/A	8
Redshank <sup>3,4,7</sup>	22%	9%	4%	22%	8%	3%	2%	8%	203	81	42	203	1648 individuals (p)	N/A	16
Kittiwake <sup>6</sup>	*4%	*60%	*4%	*52%	0%	0%	0%	0%	2	30	2	26	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	1%	0%	0%	0%	100	34	3	86	Assemblage	2169	22
Common Gull	0%	0%	0%	0%	0%	0%	0%	0%	12	9	3	18	N/A	N/A	N/A
Great Black-backed Gull	4%	1%	0%	4%	1%	0%	0%	1%	33	10	2	30	N/A	N/A	N/A
Herring Gull <sup>3</sup>	1%	1%	1%	2%	1%	1%	1%	1%	75	101	65	114	Assemblage	1705	17
Lesser Black-backed Gull	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Sandwich Tern <sup>3,4,7</sup>	*214%	N/A	*10%	*214%	6%	N/A	0%	6%	107	N/A	5	107	1900 individuals (p)	N/A	19

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Little Tern <sup>3,4,5,6,7</sup>	*4%	N/A	*2%	*6%	1%	N/A	1%	2%	2	N/A	1	3	81 pairs (b) <sup>3</sup> 40 pairs (b) <sup>5</sup>	N/A	2 1
Common Tern <sup>3,4</sup>	*52%	N/A	*6%	*54%	1%	N/A	0%	2%	26	N/A	3	27	399 pairs (b)	N/A	8

Table 5. BTO WeBS Core Count Five-year summary for Sector 52427, Bran Sands South

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*8%	N/A	*4%	*10%	N/A	N/A	N/A	N/A	4	N/A	2	5	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	8%	12%	9%	14%	2%	2%	2%	3%	39	55	42	65	N/A	N/A	N/A
GadwallError! Bookmark not defined.	1%	7%	1%	7%	0%	2%	0%	2%	3	23	2	23	N/A	N/A	N/A
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	6	12	5	14	N/A	N/A	N/A
Teal	2%	9%	0%	9%	2%	7%	0%	7%	87	374	4	374	N/A	N/A	N/A
Eider	N/A	0%	0%	0%	N/A	0%	0%	0%		1	1	2	N/A	N/A	N/A
Goldeneye	1%	14%	0%	14%	0%	0%	0%	0%	2	26	0	26	N/A	N/A	N/A
Red-breasted Merganser	27%	46%	15%	46%	3%	5%	2%	5%	27	46	15	46	N/A	N/A	N/A
Little Grebe	9%	11%	0%	12%	0%	0%	0%	0%	13	17	0	18	N/A	N/A	N/A
Great Crested Grebe	0%	1%	N/A	2%	0%	0%	N/A	0%	0	2	N/A	3	N/A	N/A	N/A
Grey Heron	1%	1%	0%	1%	0%	0%	0%	0%	4	4	1	5	N/A	N/A	N/A
Little Egret	8%	2%	0%	8%	1%	0%	0%	1%	9	2	0	9	N/A	N/A	N/A
Cormorant <sup>6</sup>	14%	17%	3%	19%	7%	9%	2%	10%	84	107	18	117	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	1	2	1	2	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	1	1	2	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	4%	8%	0%	10%	1%	3%	0%	3%	248	522	3	618	Assemblage	3690	37
Curlew	0%	0%	0%	0%	0%	0%	0%	0%	2	2	2	3	N/A	N/A	N/A
Black-tailed Godwit	0%	1%	1%	1%	0%	0%	0%	0%	1	2	3	3	N/A	N/A	N/A
Turnstone <sup>5</sup>	1%	1%	1%	2%	0%	0%	0%	0%	4	4	2	6	1739 individuals (w)	N/A	17
Dunlin	0%	N/A	N/A	0%	0%	N/A	N/A	0%	3	N/A	N/A	3	N/A	N/A	N/A
Common Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A



SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Redshank <sup>3,4,7</sup>	8%	16%	4%	16%	3%	6%	2%	6%	76	149	38	149	1648 individuals (p)	N/A	16
Kittiwake <sup>6</sup>	*4%	N/A	*32%	*32%	0%	N/A	0%	0%	2	N/A	16	16	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	1%	1%	0%	2%	2%	1%	0%	2%	300	298	96	390	Assemblage	2169	22
Common Gull	1%	6%	1%	6%	0%	3%	0%	3%	38	414	35	414	N/A	N/A	N/A
Great Black-backed Gull	22%	16%	0%	27%	5%	3%	0%	6%	166	123	3	208	N/A	N/A	N/A
Herring Gull <sup>3</sup>	2%	2%	2%	3%	1%	1%	2%	2%	127	152	161	230	Assemblage	1705	17
Lesser Black-backed Gull	0%	0%	0%	1%	0%	0%	0%	0%	5	0	3	6	N/A	N/A	N/A
Sandwich Tern <sup>3,4,7</sup>	*4%	N/A	*0%	*4%	0%	N/A	0%	0%	2	N/A	0	2	1900 individuals (p)	N/A	19
Common Tern <sup>3,4</sup>	*14%	N/A	*6%	*16%	0%	N/A	0%	0%	7	N/A	3	8	399 pairs (b)	N/A	8
Kingfisher	*0%	*2%	N/A	*2%	0%	0%	N/A	0%	0	1	N/A	1	N/A	N/A	N/A

Table 6. BTO WeBS Core Count Five-year summary for Sector 52417, Brinefields

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*14%	*8%	*8%	*18%	N/A	N/A	N/A	N/A	7	4	4	9	N/A	N/A	N/A
Greylag Goose (British/Irish)	1%	1%	1%	1%	N/A	N/A	N/A	N/A	9	8	8	17	N/A	N/A	N/A
Mute Swan	1%	0%	0%	1%	1%	0%	0%	1%	3	2	1	4	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	3%	2%	4%	4%	1%	0%	1%	1%	14	9	17	18	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	2%	5%	1%	5%	1%	1%	0%	2%	4	9	1	10	Assemblage	182	2
Gadwall <sup>4</sup>	10%	5%	4%	11%	3%	1%	1%	3%	30	17	12	33	N/A	N/A	N/A
Wigeon <sup>3</sup>	1%	3%	0%	3%	0%	1%	0%	1%	25	154	6	154	Assemblage	4112	41
Mallard	1%	0%	0%	1%	0%	0%	0%	0%	37	27	27	47	N/A	N/A	N/A
Pintail	1%	1%	N/A	1%	0%	0%	N/A	0%	1	2	N/A	2	N/A	N/A	N/A
Teal	1%	2%	0%	2%	1%	2%	0%	2%	58	87	12	87	N/A	N/A	N/A
Pochard	0%	2%	1%	3%	0%	0%	0%	0%	1	4	3	6	N/A	N/A	N/A
Tufted Duck	1%	1%	1%	1%	0%	0%	0%	0%	7	8	8	11	N/A	N/A	N/A
Little Grebe	1%	1%	1%	1%	0%	0%	0%	0%	1	2	1	2	N/A	N/A	N/A
Grey Heron	1%	0%	0%	1%	0%	0%	0%	0%	3	1	1	3	N/A	N/A	N/A
Little Egret	6%	2%	5%	8%	1%	0%	0%	1%	7	2	5	9	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	0%	0%	0%	0%	0%	0	0	1	1	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	7	5	2	7	N/A	N/A	N/A
Coot	1%	0%	0%	1%	0%	0%	0%	0%	12	8	4	12	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	4	6	4	5	N/A	N/A	N/A
Avocet <sup>3,4,7</sup>	20%	3%	43%	37%	2%	0%	4%	3%	17	3	37	32	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	1%	1%	0%	1%	0%	0%	0%	0%	46	70	11	65	Assemblage	3690	37
Golden Plover	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	36	N/A	36	N/A	N/A	N/A
Grey Plover	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Ringed Plover <sup>4,7</sup>	1%	N/A	0%	1%	1%	N/A	0%	1%	3	N/A	1	3	N/A	N/A	N/A
Little Ringed Plover	N/A	N/A	*2%	*2%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Whimbrel	*0%	N/A	*2%	*2%	0%	N/A	0%	0%	0	N/A	1	1	N/A	N/A	N/A
Curlew	1%	5%	1%	5%	0%	1%	0%	1%	16	65	13	65	N/A	N/A	N/A
Black-tailed Godwit	4%	4%	3%	4%	1%	1%	1%	2%	14	15	13	17	N/A	N/A	N/A
Knot <sup>3,4,7</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	12	N/A	N/A	12	5509 individuals (w)	N/A	55
Dunlin	1%	0%	N/A	1%	0%	0%	N/A	0%	24	1	N/A	24	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	1	2	N/A	2	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	4%	2%	1%	4%	2%	1%	1%	2%	37	20	13	39	1648 individuals (p)	N/A	16
Greenshank	*2%	*2%	N/A	*2%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	68	11	83	86	Assemblage	2169	22
Common Gull	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	4	4	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	1	2	3	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	*2%	N/A	*4%	*6%	0%	N/A	0%	0%	1	N/A	2	3	1900 individuals (p)	N/A	19
Common Tern <sup>3,4</sup>	*56%	N/A	*84%	*92%	2%	N/A	2%	3%	28	N/A	42	46	399 pairs (b)	N/A	8

Table 7. BTO WeBS Core Count Five-year summary for Sector 52431, Coatham Marsh

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22 <sup>Error! Bookmark not defined.</sup>	SPA/Ramsar 1% Threshold
Canada Goose	N/A	*4%	*2%	*4%	N/A	N/A	N/A	N/A	N/A	2	1	2	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	0%	0%	0%	N/A	N/A	N/A	N/A	N/A	2	1	3	N/A	N/A	N/A
Mute Swan	2%	1%	1%	2%	2%	1%	1%	2%	9	7	4	9	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	2%	3%	0%	3%	1%	1%	0%	1%	4	6	0	6	Assemblage	182	2
Gadwall <sup>4</sup>	16%	24%	3%	24%	4%	6%	1%	6%	50	73	10	73	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	1%	N/A	1%	0%	0%	N/A	0%	3	24	N/A	25	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	20	7	6	20	N/A	N/A	N/A
Teal	0%	0%	0%	0%	0%	0%	0%	0%	5	13	1	14	N/A	N/A	N/A
Pochard	0%	0%	0%	1%	0%	0%	0%	0%	0	1	1	2	N/A	N/A	N/A
Tufted Duck	0%	1%	1%	1%	0%	0%	0%	0%	3	18	8	18	N/A	N/A	N/A
Goldeneye	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Little Grebe	3%	2%	2%	4%	0%	0%	0%	0%	5	3	3	6	N/A	N/A	N/A
Grey Heron	1%	1%	0%	1%	0%	0%	0%	0%	3	3	2	4	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	0%	0%	0%	0%	0%	2	2	1	2	N/A	N/A	N/A
Water Rail	*2%	*6%	*2%	*6%	0%	0%	0%	0%	1	3	1	3	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	11	10	4	13	N/A	N/A	N/A
Coot	1%	1%	0%	1%	0%	0%	0%	0%	12	17	6	17	N/A	N/A	N/A
Oystercatcher	0%	0%	N/A	0%	0%	0%	N/A	0%	0	5	N/A	5	N/A	N/A	N/A
Lapwing <sup>3</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	16	4	N/A	16	Assemblage	3690	37
Redshank <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	0	1	N/A	1	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	24	68	3	74	Assemblage	2169	22
Common Gull	0%	0%	N/A	0%	0%	0%	N/A	0%	1	2	N/A	2	N/A	N/A	N/A
Great Black-backed Gull	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	21	27	18	32	AssemblageError! Bookmark not defined.	1705	17

Table 8. BTO WeBS Core Count Five-year summary for Sector 52429, Coatham Sands North

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Wigeon <sup>3</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	10	N/A	N/A	10	Assemblage	4112	41
Mallard	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Teal	1%	N/A	N/A	1%	0%	N/A	N/A	0%	23	N/A	N/A	23	N/A	N/A	N/A
Eider	1%	1%	1%	1%	0%	0%	0%	0%	8	6	6	9	N/A	N/A	N/A
Common Scoter	N/A	0%	N/A	1%	N/A	0%	N/A	0%	(3)	2	N/A	8	N/A	N/A	N/A
Red-breasted Merganser	1%	0%	N/A	1%	0%	0%	N/A	0%	1	0	N/A	1	N/A	N/A	N/A
Red-throated Diver	N/A	1%	0%	2%	N/A	0%	0%	0%	(2)	3	0	4	N/A	N/A	N/A
Shag	1%	1%	0%	1%	1%	0%	0%	1%	15	7	2	13	N/A	N/A	N/A
Cormorant <sup>6</sup>	5%	3%	1%	6%	3%	2%	1%	3%	30	19	6	39	N/A	N/A	N/A
Oystercatcher	8%	4%	1%	9%	3%	2%	0%	3%	244	123	21	247	N/A	N/A	N/A
Golden Plover	0%	N/A	N/A	0%	0%	N/A	N/A	0%	3	N/A	N/A	3	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	12%	0%	15%	25%	9%	0%	12%	19%	49	1	63	105	N/A	N/A	N/A
Whimbrel	*2%	N/A	*0%	*2%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Curlew	0%	0%	0%	1%	0%	0%	0%	0%	3	1	4	6	N/A	N/A	N/A
Bar-tailed Godwit	1%	0%	N/A	1%	0%	0%	N/A	0%	3	1	N/A	3	N/A	N/A	N/A
Turnstone <sup>5</sup>	12%	6%	6%	12%	3%	2%	2%	3%	46	23	22	46	1739 individuals (w)	N/A	17
Knot <sup>3,4,7</sup>	2%	0%	0%	3%	1%	0%	0%	2%	56	1	2	84	5509 individuals (w)	N/A	55
Curlew Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Sanderling <sup>3,4,6</sup>	54%	79%	97%	96%	5%	8%	10%	10%	107	157	194	191	Assemblage	310	3



SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Dunlin	7%	0%	1%	7%	2%	0%	0%	2%	231	0	30	231	N/A	N/A	N/A
Purple Sandpiper <sup>4,5,6</sup>	N/A	12%	N/A	9%	N/A	11%	N/A	8%	N/A	12	N/A	9	787 individuals (w)	N/A	8
Redshank <sup>3,4,7</sup>	1%	1%	N/A	1%	0%	1%	N/A	1%	5	14	N/A	14	1648 individuals (p)	N/A	16
Kittiwake <sup>6</sup>	*46%	*2%	*6%	*34%	0%	0%	0%	0%	23	1	3	17	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	1%	1%	1%	0%	1%	109	105	4	131	Assemblage	2169	22
Little Gull	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Common Gull	0%	0%	N/A	0%	0%	0%	N/A	0%	6	7	N/A	8	N/A	N/A	N/A
Great Black-backed Gull	1%	1%	0%	1%	0%	0%	0%	0%	7	4	2	7	N/A	N/A	N/A
Herring Gull <sup>3</sup>	2%	1%	1%	2%	1%	1%	1%	2%	113	76	101	164	Assemblage	1705	17
Lesser Black-backed Gull	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Sandwich Tern <sup>3,4,7</sup>	*136%	N/A	*16%	*136%	4%	N/A	0%	4%	68	N/A	8	68	1900 individuals (p)	N/A	19
Little Tern <sup>3,4,5,6,7</sup>	*126%	N/A	*8%	*88%	33%	N/A	2%	23%	63	N/A	4	44	81 pairs (b) 40 pairs (b)	N/A	2 1
Roseate Tern	*4%	N/A	N/A	*4%	N/A	N/A	N/A	N/A	2	N/A	N/A	2	N/A	N/A	N/A
Common Tern <sup>3,4</sup>	*256%	N/A	*50%	*256%	7%	N/A	1%	7%	128	N/A	25	128	399 pairs (b)	N/A	8
Arctic Tern <sup>5</sup>	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	1549 pairs (b)	N/A	15
Black Tern	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A

Table 9. BTO WeBS Core Count Five-year summary for Sector 52103, Cowpen Bewley Landfill Site

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*512%	*246%	*26%	*590%	N/A	N/A	N/A	N/A	256	123	13	295	N/A	N/A	N/A
Barnacle Goose	N/A	*4%	N/A	*4%	N/A	N/A	N/A	N/A	N/A	2	N/A	2	N/A	N/A	N/A
Greylag Goose (British/Irish)	7%	32%	N/A	34%	N/A	N/A	N/A	N/A	97	445	N/A	474	N/A	N/A	N/A
Tundra Bean Goose	N/A	*2%	N/A	*2%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Pink-footed Goose	3%	0%	N/A	2%	3%	0%	N/A	2%	162	5	N/A	122	N/A	N/A	N/A
White-fronted Goose (European - albifrons)	N/A	*2%	*0%	*2%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Mute Swan	1%	1%	0%	1%	1%	1%	0%	1%	6	3	2	7	N/A	N/A	N/A
Whooper Swan	3%	N/A	N/A	2%	1%	N/A	N/A	1%	4	N/A	N/A	3	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	1%	0%	2%	2%	0%	0%	0%	0%	7	2	10	11	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	9%	11%	2%	12%	3%	3%	0%	3%	18	20	3	22	Assemblage	182	2
Gadwall <sup>4</sup>	19%	10%	5%	16%	5%	3%	1%	4%	59	31	17	51	N/A	N/A	N/A
Wigeon <sup>3</sup>	1%	1%	N/A	1%	0%	0%	N/A	0%	26	59		59	Assemblage	4112	41
Mallard	6%	1%	0%	4%	2%	0%	0%	2%	387	77	23	300	N/A	N/A	N/A
Pintail	2%	N/A	N/A	2%	1%	N/A	N/A	1%	4	N/A	N/A	3	N/A	N/A	N/A
Teal	1%	1%	0%	1%	1%	1%	0%	1%	49	52	11	54	N/A	N/A	N/A
Pochard	15%	8%	13%	16%	2%	1%	1%	2%	34	19	29	36	N/A	N/A	N/A
Tufted Duck	5%	2%	3%	4%	1%	0%	0%	1%	61	22	34	54	N/A	N/A	N/A
Goldeneye	1%	14%	3%	14%	0%	0%	0%	0%	1	27	5	27	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Little Grebe	7%	3%	1%	5%	0%	0%	0%	0%	10	4	1	8	N/A	N/A	N/A
Great Crested Grebe	4%	2%	3%	4%	0%	0%	0%	0%	7	3	5	6	N/A	N/A	N/A
Black-necked Grebe	*2%	N/A	*0%	*2%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Grey Heron	1%	0%	0%	1%	0%	0%	0%	0%	3	2	2	3	N/A	N/A	N/A
Little Egret	2%	2%	1%	3%	0%	0%	0%	0%	2	2	1	3	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	1%	0%	0%	0%	0%	2	3	3	5	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	2	2	2	3	N/A	N/A	N/A
Coot	4%	1%	1%	3%	0%	0%	0%	0%	73	24	17	66	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	1	N/A	N/A	N/A
Lapwing <sup>3</sup>	3%	1%	0%	2%	1%	0%	0%	1%	177	39	11	136	Assemblage	3690	37
Ringed Plover <sup>4,7</sup>	1%	N/A	N/A	1%	1%	N/A	N/A	1%	3	N/A	N/A	3	N/A	N/A	N/A
Little Ringed Plover	*2%	*0%	*6%	*6%	0%	0%	0%	0%	1	0	3	3	N/A	N/A	N/A
Whimbrel	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Curlew	0%	1%	0%	1%	0%	0%	0%	0%	3	6	1	7	N/A	N/A	N/A
Black-tailed Godwit	1%	N/A	N/A	1%	0%	N/A	N/A	0%	2	N/A	N/A	2	N/A	N/A	N/A
Ruff <sup>3,4</sup>	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	19 individuals (w)	N/A	1
Dunlin	1%	0%	N/A	0%	0%	0%	N/A	0%	17	3	N/A	13	N/A	N/A	N/A
Snipe	0%	0%	0%	0%	0%	0%	0%	0%	2	1	0	2	N/A	N/A	N/A
Common Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Green Sandpiper	*2%	*0%	N/A	*2%	0%	0%	N/A	0%	1	0	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	1%	0%	1%	0%	0%	0%	0%	2	7	2	7	1648 individuals (p)	N/A	16
Greenshank	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	1%	0%	1%	0%	1%	0%	1%	95	119	47	123	Assemblage	2169	22
Common Gull	0%	0%	0%	0%	0%	0%	0%	0%	2	16	0	16	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Herring Gull <sup>3</sup>	1%	0%	1%	1%	1%	0%	1%	1%	68	12	59	75	Assemblage	1705	17
Lesser Black-backed Gull	1%	0%	0%	1%	0%	0%	0%	0%	9	1	5	9	N/A	N/A	N/A

Table 10. BTO WeBS Core Count Five-year summary for Sector 52302, Cowpen Marsh non-tidal

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*32%	*280%	*42%	*218%	N/A	N/A	N/A	N/A	16	140	21	109	N/A	N/A	N/A
Greylag Goose (British/Irish)	3%	5%	1%	5%	N/A	N/A	N/A	N/A	35	73	16	65	N/A	N/A	N/A
Pink-footed Goose	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	3	N/A	3	N/A	N/A	N/A
Mute Swan	1%	1%	0%	1%	1%	1%	0%	1%	4	3	2	4	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	1%	5%	6%	7%	0%	1%	1%	1%	3	24	26	34	N/A	N/A	N/A
Garganey	*0%	N/A	*2%	*2%	0%	N/A	0%	0%	0	N/A	1	1	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	5%	6%	5%	8%	1%	2%	2%	2%	9	11	10	15	Assemblage	182	2
Gadwall <sup>4</sup>	7%	17%	10%	17%	2%	4%	3%	5%	21	53	30	54	N/A	N/A	N/A
Wigeon <sup>3</sup>	N/A	14%	0%	11%	N/A	5%	0%	3%	N/A	646	5	486	Assemblage	4112	41
Mallard	0%	1%	0%	1%	0%	0%	0%	0%	26	37	25	36	N/A	N/A	N/A
Pintail	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Teal	1%	1%	0%	1%	1%	1%	0%	1%	36	58	12	55	N/A	N/A	N/A
Pochard	1%	5%	7%	8%	0%	1%	1%	1%	2	11	17	19	N/A	N/A	N/A
Tufted Duck	0%	1%	0%	1%	0%	0%	0%	0%	3	15	6	13	N/A	N/A	N/A
Little Grebe	2%	1%	1%	1%	0%	0%	0%	0%	3	1	1	2	N/A	N/A	N/A
Grey Heron	1%	0%	1%	1%	0%	0%	0%	0%	5	1	3	4	N/A	N/A	N/A
Great White Egret	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Little Egret	3%	4%	2%	3%	0%	0%	0%	0%	3	4	2	3	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	0%	0%	0%	0%	0%	0	0	2	2	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	2	5	2	4	N/A	N/A	N/A
Coot	1%	4%	1%	3%	0%	1%	0%	0%	21	80	13	64	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	3%	10%	1%	8%	1%	3%	0%	2%	182	607	42	471	Assemblage	3690	37

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Golden Plover	N/A	2%	N/A	1%	N/A	1%	N/A	1%	N/A	74	N/A	55	N/A	N/A	N/A
Little Ringed Plover	N/A	N/A	*2%	*2%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Whimbrel	N/A	N/A	*6%	*6%	N/A	N/A	0%	0%	N/A	N/A	3	3	N/A	N/A	N/A
Curlew	2%	15%	0%	12%	0%	2%	0%	2%	28	185	1	139	N/A	N/A	N/A
Black-tailed Godwit	N/A	4%	N/A	3%	N/A	1%	N/A	1%	N/A	14	N/A	10	N/A	N/A	N/A
Dunlin	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	4	N/A	3	N/A	N/A	N/A
Snipe	0%	0%	0%	0%	0%	0%	0%	0%	5	9	2	8	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	1%	0%	1%	0%	0%	0%	0%	2	9	3	7	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	23	14	81	86	Assemblage	2169	22
Common Tern <sup>3,4</sup>	*116%	N/A	*80%	*130%	3%	N/A	2%	4%	58	N/A	40	65	399 pairs (b)	N/A	8



Table 11. BTO WeBS Core Count Five-year summary for Sector 52437, Cowpen Marsh Southwest

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria 5-year Peak mean Population at SPA DesignationError! Bookmark not defined.	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	Tees Estuary 1% Threshold
Canada Goose	*38%	*800%	*44%	*554%	N/A	N/A	N/A	N/A	19	400	22	277	N/A	N/A	N/A
Barnacle Goose	*32%	*106%	N/A	*70%	N/A	N/A	N/A	N/A	16	53	N/A	35	N/A	N/A	N/A
Greylag Goose (British/Irish)	1%	7%	0%	5%	N/A	N/A	N/A	N/A	11	102	4	69	N/A	N/A	N/A
Pink-footed Goose	N/A	1%	N/A	0%	N/A	1%	N/A	0%	N/A	29	N/A	19	N/A	N/A	N/A
White-fronted Goose (European - albifrons)	N/A	*12%	N/A	*8%	N/A	0%	N/A	0%	N/A	6	N/A	4	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	1%	4%	9%	9%	0%	1%	2%	2%	3	18	40	40	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	1%	7%	7%	9%	0%	2%	2%	3%	2	14	14	17	Assemblage	182	2
Gadwall <sup>4</sup>	1%	2%	5%	5%	0%	1%	1%	1%	2	6	16	16	N/A	N/A	N/A
Wigeon <sup>3</sup>	1%	12%	0%	8%	0%	4%	0%	3%	33	550	5	367	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	6	13	11	11	N/A	N/A	N/A
Teal	1%	2%	1%	1%	1%	1%	1%	1%	29	72	61	61	N/A	N/A	N/A
Pochard	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Tufted Duck	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Little Egret	1%	1%	1%	1%	0%	0%	0%	0%	1	1	1	1	N/A	N/A	N/A
Moorhen	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Coot	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	2	2	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	3	3	N/A	N/A	N/A
Avocet <sup>3,4,7</sup>	2%	N/A	5%	5%	0%	N/A	0%	0%	2	N/A	4	4	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	5%	6%	0%	5%	1%	2%	0%	2%	293	352	17	301	Assemblage	3690	37
Golden Plover	2%	9%	N/A	7%	1%	4%	N/A	3%	83	357	N/A	293	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	N/A	N/A	3%	3%	N/A	N/A	2%	2%	N/A	N/A	11	11	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria 5-year Peak mean Population at SPA Designation	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22	Tees Estuary 1% Threshold
Little Ringed Plover	N/A	N/A	*2%	*2%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Curlew	3%	12%	3%	8%	0%	2%	0%	1%	33	149	31	99	N/A	N/A	N/A
Black-tailed Godwit	0%	1%	0%	1%	0%	0%	0%	0%	1	5	0	3	N/A	N/A	N/A
Dunlin	N/A	1%	0%	1%	N/A	0%	0%	0%		31	7	20	N/A	N/A	N/A
Snipe	0%	0%	0%	0%	0%	0%	0%	0%	6	3	1	5	N/A	N/A	N/A
Green Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	3	3	4	1648 individuals (p)	N/A	16
Wood Sandpiper	N/A	N/A	*2%	*2%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Spotted Redshank	N/A	N/A	*2%	*2%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Greenshank	*2%	N/A	*0%	*0%	0%	N/A	0%	0%	1	N/A	0	0	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	6	25	25	Assemblage	2169	22
Common Gull	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	0	N/A	N/A	N/A

Table 12. BTO WeBS Core Count Five-year summary for Sector 52409, Cowpen Marsh tidal

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Greylag Goose (British/Irish)	N/A	N/A	0%	0%	N/A	N/A	N/A	N/A	N/A	N/A	1	1	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	8%	11%	13%	18%	2%	2%	3%	3%	39	51	63	86	N/A	N/A	N/A
Gadwall <sup>4</sup>	1%	0%	0%	1%	0%	0%	0%	0%	3	1	1	3	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	8%	N/A	6%	0%	3%	N/A	2%	4	381	N/A	286	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	6	24	6	19	N/A	N/A	N/A
Teal	2%	7%	0%	5%	2%	6%	0%	4%	76	287	2	216	N/A	N/A	N/A
Little Grebe	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	2	N/A	2	N/A	N/A	N/A
Spoonbill	N/A	*2%	N/A	*2%	N/A	1%	N/A	1%	N/A	1	N/A	1	N/A	N/A	N/A
Grey Heron	2%	0%	N/A	1%	0%	0%	N/A	0%	7	0	N/A	5	N/A	N/A	N/A
Little Egret	10%	4%	2%	8%	1%	0%	0%	1%	11	4	2	9	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	1	1	1	2	N/A	N/A	N/A
Avocet <sup>3,4</sup>	2%	N/A	15%	15%	0%	N/A	1%	1%	2	N/A	13	13	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	2%	1%	0%	2%	1%	0%	0%	1%	152	47	11	129	Assemblage	3690	37
Golden Plover	0%	0%	N/A	0%	0%	0%	N/A	0%	0	10	N/A	8	N/A	N/A	N/A
Grey Plover	1%	N/A	N/A	1%	0%	N/A	N/A	0%	2	N/A	N/A	2	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	2%	0%	N/A	1%	1%	0%	N/A	1%	7	1	N/A	6	N/A	N/A	N/A
Little Ringed Plover	*6%	N/A	*4%	*6%	0%	N/A	0%	0%	3	N/A	2	3	N/A	N/A	N/A
Whimbrel	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A		1	N/A	N/A	N/A
Curlew	3%	2%	0%	3%	0%	0%	0%	0%	31	25	2	34	N/A	N/A	N/A
Black-tailed Godwit	1%	3%	N/A	2%	0%	1%	N/A	1%	5	11	N/A	9	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Knot <sup>3,4,7</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	5509 individuals (w)	N/A	55
Ruff <sup>3,4</sup>	*8%	N/A	N/A	*6%	0%	N/A	N/A	0%	4	N/A	N/A	3	19 individuals (w)	N/A	1
Dunlin	1%	0%	N/A	1%	0%	0%	N/A	0%	32	6	N/A	25	N/A	N/A	N/A
Snipe	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	2	N/A	2	N/A	N/A	N/A
Green Sandpiper	*2%	*0%	N/A	*2%	0%	0%	N/A	0%	1	0	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	13%	5%	1%	10%	5%	2%	0%	4%	122	48	8	92	1648 individuals (p)	N/A	16
Greenshank	*8%	N/A	N/A	*6%	0%	N/A	N/A	0%	4	N/A	N/A	3	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	1%	0%	0%	1%	1%	0%	0%	1%	176	16	35	176	Assemblage	2169	22
Great Black-backed Gull	0%	N/A	1%	1%	0%	N/A	0%	0%	1	N/A	5	5	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	6	1	7	9	Assemblage	1705	17
Lesser Black-backed Gull	0%	N/A	0%	0%	0%	N/A	0%	0%	1	N/A	1	1	N/A	N/A	N/A
Common Tern <sup>3,4</sup>	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	399 pairs (b)	N/A	8

Table 13. BTO WeBS Core Count Five-year summary for Sector 52420, Dormans Pool

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*36%	*10%	*20%	*38%	N/A	N/A	N/A	N/A	18	5	10	19	N/A	N/A	N/A
Greylag Goose (British/Irish)	3%	8%	1%	10%	N/A	N/A	N/A	N/A	43	109	16	143	N/A	N/A	N/A
Black Swan	*2%	*0%	N/A	*2%	N/A	N/A	N/A	N/A	1	0	N/A	1	N/A	N/A	N/A
Mute Swan	2%	2%	1%	3%	2%	2%	1%	3%	10	9	6	13	N/A	N/A	N/A
Whooper Swan	5%	N/A	N/A	5%	2%	N/A	N/A	2%	8	N/A	N/A	8	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	0%	0%	0%	1%	0%	0%	0%	0%	2	2	2	3	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	7%	3%	1%	9%	2%	1%	0%	3%	14	5	1	17	Assemblage	182	2
Gadwall <sup>4</sup>	42%	12%	21%	46%	11%	3%	5%	12%	131	36	65	144	N/A	N/A	N/A
Wigeon <sup>3</sup>	2%	0%	0%	2%	1%	0%	0%	1%	89	4	1	91	Assemblage	4112	41
Mallard	1%	0%	0%	1%	0%	0%	0%	0%	58	13	28	58	N/A	N/A	N/A
Pintail	6%	9%	1%	11%	2%	3%	0%	4%	11	18	1	22	N/A	N/A	N/A
Teal	7%	2%	0%	7%	6%	2%	0%	6%	300	78	9	300	N/A	N/A	N/A
Pochard	1%	2%	3%	3%	0%	0%	0%	0%	2	4	6	8	N/A	N/A	N/A
Tufted Duck	0%	1%	1%	1%	0%	0%	0%	0%	1	13	10	14	N/A	N/A	N/A
Goldeneye	N/A	2%	1%	2%	N/A	0%	0%	0%	N/A	3	1	3	N/A	N/A	N/A
Little Grebe	3%	1%	3%	4%	0%	0%	0%	0%	5	2	4	6	N/A	N/A	N/A
Great Crested Grebe	2%	1%	2%	2%	0%	0%	0%	0%	3	2	3	4	N/A	N/A	N/A
Grey Heron	1%	0%	1%	1%	0%	0%	0%	0%	5	1	3	6	N/A	N/A	N/A
Little Egret	9%	2%	2%	9%	1%	0%	0%	1%	10	2	2	10	N/A	N/A	N/A
Water Rail	*2%	*2%	*2%	*2%	0%	0%	0%	0%	1	1	1	1	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	8	6	3	9	N/A	N/A	N/A
Coot	3%	3%	2%	4%	0%	0%	0%	0%	55	53	31	72	N/A	N/A	N/A
Oystercatcher	0%	N/A	0%	0%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Lapwing <sup>3</sup>	1%	6%	0%	7%	0%	2%	0%	2%	43	382	2	408	Assemblage	3690	37
Golden Plover	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	15	N/A	18	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	3%	N/A	0%	3%	3%	N/A	0%	3%	14	N/A	0	14	N/A	N/A	N/A
Curlew	0%	0%	N/A	0%	0%	0%	N/A	0%	0	3	N/A	3	N/A	N/A	N/A
Black-tailed Godwit	1%	1%	N/A	3%	0%	0%	N/A	1%	5	5	N/A	11	N/A	N/A	N/A
Ruff <sup>3,4</sup>	*6%	N/A	N/A	*6%	0%	N/A	N/A	0%	3	N/A	N/A	3	19 individuals (w)	N/A	1
Dunlin	0%	0%	N/A	0%	0%	0%	N/A	0%	16	1	N/A	16	N/A	N/A	N/A
Jack Snipe	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	2	N/A	N/A	N/A
Snipe	0%	0%	0%	0%	0%	0%	0%	0%	13	5	0	14	N/A	N/A	N/A
Green Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	2	2	0	2	1648 individuals (p)	N/A	16
Greenshank	*4%	N/A	N/A	*4%	0%	N/A	N/A	0%	2	N/A	N/A	2	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	61	67	16	78	Assemblage	2169	22
Common Gull	0%	0%	0%	0%	0%	0%	0%	0%	10	27	6	27	N/A	N/A	N/A
Great Black-backed Gull	6%	7%	1%	9%	1%	1%	0%	2%	42	50	11	69	N/A	N/A	N/A
Herring Gull <sup>3</sup>	1%	1%	1%	1%	1%	1%	1%	1%	71	59	62	108	Assemblage	1705	17
Lesser Black-backed Gull	1%	0%	0%	1%	0%	0%	0%	0%	7	0	4	8	N/A	N/A	N/A
Common Tern <sup>3,4</sup>	*8%	N/A	N/A	*8%	0%	N/A	N/A	0%	4	N/A	N/A	4	399 pairs (b)	N/A	8
Kingfisher	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A

Table 14. BTO WeBS Core Count Five-year summary for Sector 52450, Fire Station Field

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	N/A	*26%	*8%	*32%	N/A	N/A	N/A	N/A	N/A	13	4	16	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	0%	1%	1%	N/A	N/A	N/A	N/A	N/A	5	9	11	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	2%	1%	3%	N/A	0%	0%	1%	N/A	3	1	5	Assemblage	182	2
Gadwall <sup>4</sup>	N/A	0%	0%	1%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	0%	N/A	1%	0%	0%	N/A	0%	14	17	N/A	26	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	14	1	2	5	N/A	N/A	N/A
Teal	0%	0%	0%	1%	0%	0%	0%	1%	16	17	9	26	N/A	N/A	N/A
Glossy Ibis	N/A	N/A	*2%	*4%	N/A	N/A	0%	0%	N/A	N/A	1	2	N/A	N/A	N/A
Grey Heron	0%	0%	N/A	0%	0%	0%	N/A	0%	1	0	N/A	1	N/A	N/A	N/A
Great White Egret	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Moorhen	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	3	2	3	N/A	N/A	N/A
Coot	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Curlew	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	2	N/A	N/A	N/A
Black-tailed Godwit	3%	2%	1%	3%	1%	1%	0%	1%	12	6	3	10	N/A	N/A	N/A
Snipe	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	2	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	3	5	Assemblage	2169	22



Table 15. BTO WeBS Core Count Five-year summary for Sector 52416, Greatham Creek Channel

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*114%	*0%	*50%	*140%	N/A	N/A	N/A	N/A	57	0	25	70	N/A	N/A	N/A
Greylag Goose (British/Irish)	0%	N/A	0%	1%	N/A	N/A	N/A	N/A	6	N/A	1	7	N/A	N/A	N/A
Pink-footed Goose	1%	N/A	N/A	1%	1%	N/A	N/A	1%	46	N/A	N/A	46	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	2%	6%	8%	9%	0%	1%	1%	2%	10	26	36	43	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	2%	N/A	2%	N/A	1%	N/A	1%	N/A	4	N/A	4	Assemblage	182	2
Gadwall <sup>4</sup>	0%	0%	1%	1%	0%	0%	0%	0%	1	0	3	3	N/A	N/A	N/A
Wigeon <sup>3</sup>	1%	11%	0%	11%	0%	4%	0%	4%	37	515	0	515	Assemblage	4112	41
Mallard	1%	0%	0%	1%	0%	0%	0%	0%	35	25	6	48	N/A	N/A	N/A
Teal	1%	5%	0%	5%	1%	4%	0%	4%	46	219	6	219	N/A	N/A	N/A
Tufted Duck	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Goldeneye	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1		1	N/A	N/A	N/A
Red-breasted Merganser	N/A	2%	0%	2%	N/A	0%	0%	0%	N/A	2	0	2	N/A	N/A	N/A
Little Grebe	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Grey Heron	3%	0%	1%	3%	0%	0%	0%	0%	14	1	4	14	N/A	N/A	N/A
Little Egret	15%	2%	3%	15%	1%	0%	0%	1%	16	2	3	16	N/A	N/A	N/A
Cormorant <sup>6</sup>	1%	0%	0%	1%	0%	0%	0%	0%	4	1	1	4	N/A	N/A	N/A
Moorhen	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Coot	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Oystercatcher	1%	0%	0%	1%	0%	0%	0%	0%	30	2	6	30	N/A	N/A	N/A
Avocet <sup>3,4</sup>	1%	2%	15%	16%	0%	0%	1%	1%	1	2	13	14	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	2%	8%	0%	8%	1%	3%	0%	3%	152	518	2	518	Assemblage	3690	37
Golden Plover	N/A	15%	N/A	15%	N/A	6%	N/A	6%	N/A	586	N/A	586	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Grey Plover	1%	0%	0%	1%	0%	0%	0%	0%	3	0	0	4	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	1%	N/A	0%	1%	1%	N/A	0%	1%	4	N/A	0	4	N/A	N/A	N/A
Little Ringed Plover	*2%	N/A	*0%	*2%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Whimbrel	*2%	N/A	*2%	*2%	0%	N/A	0%	0%	1	N/A	1	1	N/A	N/A	N/A
Curlew	17%	3%	6%	17%	3%	0%	1%	3%	203	31	70	203	N/A	N/A	N/A
Bar-tailed Godwit	1%	N/A	0%	2%	0%	N/A	0%	1%	7	N/A	2	9	N/A	N/A	N/A
Black-tailed Godwit	5%	6%	1%	9%	2%	2%	0%	3%	21	23	3	37	N/A	N/A	N/A
Turnstone <sup>5</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	1	1739 individuals (w)	N/A	17
Knot <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	5	1	1	5	5509 individuals (w)	N/A	55
Curlew Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Dunlin	2%	0%	0%	2%	0%	0%	0%	0%	59	7	0	59	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	2	2	N/A	3	N/A	N/A	N/A
Common Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	17%	12%	3%	19%	7%	5%	1%	7%	163	115	29	178	1648 individuals (p)	N/A	16
Greenshank	*4%	N/A	*0%	*4%	0%	N/A	0%	0%	2	N/A	0	2	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	1%	1%	0%	0%	1%	105	35	27	114	Assemblage	2169	22
Great Black-backed Gull	1%	0%	1%	2%	0%	0%	0%	0%	8	2	7	12	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	1%	1%	0%	0%	1%	1%	19	28	73	91	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	*0%	N/A	*2%	*2%	0%	N/A	0%	0%	0	N/A	1	1	1900 individuals (p)	N/A	19
Common Tern <sup>3,4</sup>	*6%	N/A	*2%	*6%	0%	N/A	0%	0%	3	N/A	1	3	399 pairs (b)	N/A	8

Table 16. BTO WeBS Core Count Five-year summary for Sector 52414, Greenabella

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*6%	N/A	*2%	*6%	N/A	N/A	N/A	N/A	3	N/A	1	3	N/A	N/A	N/A
Greylag Goose (British/Irish)	0%	0%	0%	0%	N/A	N/A	N/A	N/A	1	3	2	5	N/A	N/A	N/A
Mute Swan	1%	0%	0%	1%	1%	0%	0%	1%	3	2	1	3	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	1%	2%	3%	3%	0%	0%	1%	1%	4	8	13	14	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	7%	17%	4%	17%	2%	5%	1%	5%	14	33	7	33	Assemblage	182	2
Gadwall <sup>4</sup>	4%	6%	1%	7%	1%	2%	0%	2%	11	20	3	21	N/A	N/A	N/A
Wigeon <sup>3</sup>	1%	1%	0%	1%	0%	0%	0%	0%	34	51	4	54	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	17	10	10	17	N/A	N/A	N/A
Teal	2%	1%	0%	2%	1%	1%	0%	2%	73	63	13	87	N/A	N/A	N/A
Pochard	1%	1%	3%	3%	0%	0%	0%	0%	2	3	6	7	N/A	N/A	N/A
Tufted Duck	1%	1%	1%	1%	0%	0%	0%	0%	10	12	8	14	N/A	N/A	N/A
Red-breasted Merganser	1%	4%	1%	4%	0%	0%	0%	0%	1	4	1	4	N/A	N/A	N/A
Little Grebe	3%	3%	1%	4%	0%	0%	0%	0%	5	5	1	6	N/A	N/A	N/A
Grey Heron	0%	0%	0%	1%	0%	0%	0%	0%	2	1	1	3	N/A	N/A	N/A
Little Egret	5%	2%	5%	5%	0%	0%	0%	1%	5	2	5	6	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	3	1	3	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	6	4	2	6	N/A	N/A	N/A
Coot	1%	1%	0%	1%	0%	0%	0%	0%	14	23	8	25	N/A	N/A	N/A
Oystercatcher	1%	0%	0%	1%	0%	0%	0%	0%	17	2	4	19	N/A	N/A	N/A
Avocet <sup>3,4</sup>	7%	14%	15%	18%	1%	1%	1%	2%	6	12	13	16	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	1%	0%	0%	1%	0%	0%	0%	0%	32	5	2	36	Assemblage	3690	37
Grey Plover	0%	0%	N/A	1%	0%	0%	N/A	0%	1	1		2	N/A	N/A	N/A
Little Ringed Plover	*2%	N/A	*2%	*4%	0%	N/A	0%	0%	1	N/A	1	2	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Whimbrel	*4%	N/A	N/A	*4%	0%	N/A	N/A	0%	2	N/A	N/A	2	N/A	N/A	N/A
Curlew	3%	5%	2%	6%	1%	1%	0%	1%	39	57	20	73	N/A	N/A	N/A
Bar-tailed Godwit	0%	1%	1%	2%	0%	0%	0%	1%	0	3	3	8	N/A	N/A	N/A
Black-tailed Godwit	3%	3%	0%	5%	1%	1%	0%	2%	12	10	1	19	N/A	N/A	N/A
Turnstone <sup>5</sup>	0%	0%	0%	1%	0%	0%	0%	0%	1	1	1	3	1739 individuals (w)	N/A	17
Knot <sup>3,4,7</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	7	N/A	N/A	7	5509 individuals (w)	N/A	55
Dunlin	0%	0%	0%	0%	0%	0%	0%	0%	13	2	1	11	N/A	N/A	N/A
Snipe	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Common Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	8%	6%	2%	10%	3%	2%	1%	4%	72	52	15	93	1648 individuals (p)	N/A	16
Greenshank	*4%	*2%	N/A	*4%	0%	0%	N/A	0%	2	1	N/A	2	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	11	71	6	78	Assemblage	2169	22
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	4	1	6	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	N/A	N/A	*6%	*4%	N/A	N/A	0%	0%	N/A	N/A	3	2	1900 individuals (p)	N/A	19
Little Tern <sup>3,4,5,6,7</sup>	N/A	N/A	*2%	*0%	N/A	N/A	1%	0%	N/A	N/A	1	0	81 pairs (b) <sup>3</sup> 40 pairs (b) <sup>5</sup>	N/A	2 1
Common Tern <sup>3,4</sup>	*2%	N/A	*4%	*4%	0%	N/A	0%	0%	1	N/A	2	2	399 pairs (b)	N/A	8

Table 17. BTO WeBS Core Count Five-year summary for Sector 52440, Haverton Hole Pool

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*120%	*60%	*74%	*114%	N/A	N/A	N/A	N/A	60	30	37	57	N/A	N/A	N/A
Greylag Goose (British/Irish)	0%	0%	1%	1%	N/A	N/A	N/A	N/A	2	3	15	17	N/A	N/A	N/A
Mute Swan	1%	1%	0%	1%	1%	1%	0%	1%	5	4	1	4	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	13%	7%	1%	10%	4%	2%	0%	3%	24	14	1	19	Assemblage	182	2
Gadwall <sup>4</sup>	11%	13%	9%	14%	3%	3%	2%	4%	35	41	29	42	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	4%	0%	4%	0%	1%	0%	1%	2	183	2	183	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	13	8	6	15	N/A	N/A	N/A
Pintail	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	2	N/A	2	N/A	N/A	N/A
Teal	0%	2%	0%	2%	0%	1%	0%	1%	16	70	2	70	N/A	N/A	N/A
Pochard	1%	1%	1%	1%	0%	0%	0%	0%	2	2	2	3	N/A	N/A	N/A
Tufted Duck	0%	1%	0%	1%	0%	0%	0%	0%	1	9	4	9	N/A	N/A	N/A
Little Grebe	1%	1%	0%	1%	0%	0%	0%	0%	2	1	0	1	N/A	N/A	N/A
Great Crested Grebe	2%	1%	2%	2%	0%	0%	0%	0%	4	1	4	4	N/A	N/A	N/A
Grey Heron	1%	0%	0%	0%	0%	0%	0%	0%	3	0	1	2	N/A	N/A	N/A
Little Egret	1%	1%	1%	1%	0%	0%	0%	0%	1	1	1	1	N/A	N/A	N/A
Cormorant <sup>6</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Water Rail	*2%	N/A	*0%	*2%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Moorhen	N/A	1%	0%	1%	N/A	0%	0%	0%	N/A	18	3	18	N/A	N/A	N/A
Coot	6%	10%	1%	10%	1%	1%	0%	1%	122	206	26	206	N/A	N/A	N/A
Avocet <sup>3,4</sup>	N/A	N/A	1%	1%	N/A	N/A	0%	0%	N/A	N/A	1	1	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	0%	N/A	0%	0%	0%	N/A	0%	0%	2	N/A	6	7	Assemblage	3690	37
Curlew	N/A	3%	N/A	3%	N/A	0%	N/A	0%	N/A	35	N/A	35	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Black-tailed Godwit	2%	1%	N/A	2%	1%	0%	N/A	1%	8	2	N/A	6	N/A	N/A	N/A
Snipe	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	1	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	10	1	16	18	Assemblage	2169	22
Lesser Black-backed Gull	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	2	2	N/A	N/A	N/A
Common Tern <sup>3,4</sup>	*4%	N/A	N/A	*2%	0%	N/A	N/A	0%	2	N/A	N/A	1	399 pairs (b)	N/A	8

Table 18. BTO WeBS Core Count Five-year summary for Sector 52443, Little Pool

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	N/A	*20%	*6%	*20%	N/A	N/A	N/A	N/A	N/A	10	3	10	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	0%	0%	0%	N/A	N/A	N/A	N/A	N/A	3	1	3	N/A	N/A	N/A
Mute Swan	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	2	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	1%	0%	1%	N/A	0%	0%	0%	N/A	1	0	2	Assemblage	182	2
Gadwall <sup>4</sup>	9%	1%	1%	6%	2%	0%	0%	2%	27	2	2	19	N/A	N/A	N/A
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	11	7	4	9	N/A	N/A	N/A
Teal	0%	0%	0%	0%	0%	0%	0%	0%	1	4	6	8	Assemblage	1409	14
Tufted Duck	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	2	0	2	N/A	N/A	N/A
Goldeneye	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Little Grebe	N/A	1%	0%	1%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Grey Heron	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	1	N/A	N/A	N/A
Coot	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	2	1	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	Assemblage	3690	37
Black-headed Gull <sup>3</sup>	0%	N/A	0%	0%	0%	N/A	0%	0%	1	N/A	0	1	Assemblage	2169	22



Table 19. BTO WeBS Core Count Five-year summary for Sector 52448, Main Lake

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*92%	*20%	*64%	*78%	N/A	N/A	N/A	N/A	46	10	32	39	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	N/A	0%	0%	N/A	N/A	N/A	N/A	N/A	N/A	1	1	N/A	N/A	N/A
Mute Swan	3%	0%	2%	3%	3%	0%	2%	3%	16	1	8	13	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	4%	2%	1%	2%	1%	0%	0%	1%	7	3	1	4	Assemblage	182	2
Gadwall <sup>4</sup>	4%	1%	8%	8%	1%	0%	2%	2%	12	3	25	25	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	1%	N/A	1%	0%	0%	N/A	0%	3	57	N/A	57	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	18	20	8	20	N/A	N/A	N/A
Teal	0%	1%	N/A	1%	0%	1%	N/A	1%	21	33	N/A	34	N/A	N/A	N/A
Pochard	4%	5%	1%	5%	0%	1%	0%	1%	9	12	3	12	N/A	N/A	N/A
Tufted Duck	1%	1%	1%	1%	0%	0%	0%	0%	13	9	10	11	N/A	N/A	N/A
Scaup	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Goldeneye	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Little Grebe	5%	1%	1%	3%	0%	0%	0%	0%	7	1	1	5	N/A	N/A	N/A
Great Crested Grebe	4%	1%	2%	2%	0%	0%	0%	0%	6	2	3	4	N/A	N/A	N/A
Grey Heron	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	1	N/A	N/A	N/A
Little Egret	1%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	0	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	7	7	5	8	N/A	N/A	N/A
Coot	2%	0%	0%	1%	0%	0%	0%	0%	36	4	6	28	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	1%	0%	0%	0%	0%	0%	0%	0%	40	0	1	27	Assemblage	3690	37
Ruff <sup>3,4</sup>	*8%	N/A	N/A	*4%	0%	N/A	N/A	0%	4	N/A	N/A	2	19 individuals (w)	N/A	1
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	9	4	N/A	6	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Redshank <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	2	4	N/A	4	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	2%	2%	0%	0%	2%	2%	94	70	458	458	Assemblage	2169	22
Herring Gull <sup>3</sup>	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	Assemblage	1705	17
Lesser Black-backed Gull	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	0	1	1	N/A	N/A	N/A
Little Tern <sup>3,4,5,6,7</sup>	*4%	N/A	N/A	*2%	1%	N/A	N/A	1%	2	N/A	N/A	1	81 pairs (b)Error! Bookmark not defined. 40 pairs (b)Error! Bookmark not defined.	N/A	2 1
Common Tern <sup>3,4</sup>	*324%	N/A	*200%	*242%	9%	N/A	6%	7%	162	N/A	100	121	399 pairs (b)	N/A	8

Table 20. BTO WeBS Core Count Five-year summary for Sector 52424, Peninsula East

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Eider	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	2	N/A	2	N/A	N/A	N/A
Red-breasted Merganser	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Great Crested Grebe	1%	0%	N/A	1%	0%	0%	N/A	0%	1	0	N/A	1	N/A	N/A	N/A
Shag	1%	0%	1%	1%	1%	0%	0%	1%	13	5	7	14	N/A	N/A	N/A
Cormorant <sup>6</sup>	29%	10%	3%	29%	15%	5%	1%	15%	178	60	17	179	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	1648 individuals (p)	N/A	16
Kittiwake <sup>6</sup>	*144%	*2%	*112%	*180%	0%	0%	0%	0%	72	1	56	90	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	6	2	2	8	Assemblage	2169	22
Great Black-backed Gull	0%	1%	1%	1%	0%	0%	0%	0%	2	8	4	11	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	1%	0%	0%	0%	0%	10	25	35	43	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	*18%	N/A	*4%	*18%	1%	N/A	0%	1%	9	N/A	2	9	1900 individuals (p)	N/A	19
Common Tern <sup>3,4</sup>	*34%	N/A	*36%	*44%	1%	N/A	1%	1%	17	N/A	18	22	399 pairs (b)	N/A	8

Table 21. BTO WeBS Core Count Five-year summary for Sector 52425, Peninsula West

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Brent Goose (Dark-bellied - bernicla)	0%	0%	N/A	0%	0%	0%	N/A	0%	1	2	N/A	2	N/A	N/A	N/A
Brent Goose (Svalbard Light-bellied)	*6%	*8%	N/A	*10%	3%	4%	N/A	5%	3	4	N/A	5	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	43%	63%	26%	69%	8%	12%	5%	13%	203	298	120	326	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	1%	N/A	0%	1%	0%	N/A	0%	0%	2	N/A	0	2	Assemblage	182	2
Wigeon <sup>3</sup>	3%	3%	N/A	3%	1%	1%	N/A	1%	137	122	N/A	148	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	17	29	1	32	N/A	N/A	N/A
Pintail	1%	1%	N/A	2%	0%	0%	N/A	1%	2	2	N/A	3	N/A	N/A	N/A
Teal	3%	6%	N/A	7%	3%	6%	N/A	6%	127	278	N/A	291	N/A	N/A	N/A
Eider	0%	0%	0%	0%	0%	0%	0%	0%	2	0	1	2	N/A	N/A	N/A
Red-breasted Merganser	3%	5%	2%	6%	0%	1%	0%	1%	3	5	2	6	N/A	N/A	N/A
Great Crested Grebe	1%	N/A	N/A	1%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Grey Heron	3%	2%	0%	3%	0%	0%	0%	0%	13	8	2	13	N/A	N/A	N/A
Little Egret	3%	0%	N/A	3%	0%	0%	N/A	0%	3	0	N/A	3	N/A	N/A	N/A
Cormorant <sup>6</sup>	7%	1%	1%	7%	4%	1%	1%	4%	44	6	6	44	N/A	N/A	N/A
Oystercatcher	13%	12%	8%	15%	5%	4%	3%	5%	369	338	227	421	N/A	N/A	N/A
Lapwing <sup>3</sup>	2%	5%	N/A	6%	1%	1%	N/A	2%	135	294		360	Assemblage	3690	37
Golden Plover	0%	0%	N/A	0%	0%	0%	N/A	0%	8	1	N/A	8	N/A	N/A	N/A
Grey Plover	2%	0%	0%	2%	0%	0%	0%	0%	7	0	0	7	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	2%	0%	1%	3%	2%	0%	1%	2%	10	0	5	13	N/A	N/A	N/A
Whimbrel	*12%	N/A	*2%	*12%	0%	N/A	0%	0%	6	N/A	1	6	N/A	N/A	N/A
Curlew	22%	11%	6%	22%	4%	2%	1%	4%	268	136	71	268	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Bar-tailed Godwit	8%	3%	3%	10%	3%	1%	1%	3%	39	16	17	50	N/A	N/A	N/A
Black-tailed Godwit	1%	5%	0%	6%	0%	2%	0%	2%	4	20	1	25	N/A	N/A	N/A
Turnstone <sup>5</sup>	3%	5%	1%	5%	1%	1%	0%	1%	10	19	2	19	1739 individuals (w)	N/A	17
Knot <sup>3,4,7</sup>	4%	2%	1%	5%	2%	1%	1%	2%	92	61	27	126	5509 individuals (w)	N/A	55
Dunlin	6%	2%	0%	7%	2%	1%	0%	2%	203	82	2	225	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	20%	21%	9%	26%	8%	8%	4%	10%	189	193	85	249	1648 individuals (p)	N/A	16
Greenshank	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Kittiwake <sup>6</sup>	*52%	N/A	*28%	*62%	0%	N/A	0%	0%	26	N/A	14	31	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	68	52	6	93	Assemblage	2169	22
Common Gull	0%	0%	0%	0%	0%	0%	0%	0%	1	8	0	8	N/A	N/A	N/A
Great Black-backed Gull	3%	2%	0%	4%	1%	0%	0%	1%	26	14	1	31	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	1%	1%	0%	0%	0%	0%	36	29	43	50	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	*168%	N/A	*2%	*168%	5%	N/A	0%	5%	84	N/A	1	84	1900 individuals	N/A	19
Little Tern <sup>3,4,5,6,7</sup>	*16%	N/A	N/A	*16%	4%	N/A	N/A	4%	8	N/A	N/A	8	81 pairs (b) <sup>3</sup> 40 pairs (b) <sup>5</sup>	N/A	2 1
Common Tern <sup>3,4</sup>	*58%	N/A	*40%	*68%	2%	N/A	1%	2%	29	N/A	20	34	399 pairs (b)	N/A	8

Table 22. BTO WeBS Core Count Five-year summary for Sector 52456, Petropolis Field

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*258%	*232%	*52%	*304%	N/A	N/A	N/A	N/A	129	116	26	152	N/A	N/A	N/A
Greylag Goose (British/Irish)	0%	1%	1%	1%	N/A	N/A	N/A	N/A	4	9	14	14	N/A	N/A	N/A
Mute Swan	2%	0%	1%	1%	2%	0%	1%	1%	8	1	6	6	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	1%	1%	N/A	0%	0%	0%	N/A	1	3	3	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	1%	1%	1%	N/A	0%	0%	0%	N/A	1	1	1	Assemblage	182	2
Gadwall <sup>4</sup>	2%	1%	1%	1%	0%	0%	0%	0%	5	3	2	4	N/A	N/A	N/A
Wigeon <sup>3</sup>	1%	9%	1%	9%	0%	3%	0%	3%	29	396	39	396	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	1	2	4	4	N/A	N/A	N/A
Pintail	N/A	2%	N/A	2%	N/A	1%	N/A	1%	N/A	3	N/A	3	N/A	N/A	N/A
Teal	0%	1%	0%	1%	0%	0%	0%	0%	18	23	3	23	N/A	N/A	N/A
Pochard	5%	3%	N/A	4%	1%	0%	N/A	1%	11	6	N/A	10	N/A	N/A	N/A
Tufted Duck	1%	1%	0%	1%	0%	0%	0%	0%	8	8	5	9	N/A	N/A	N/A
Goldeneye	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Red-breasted Merganser	N/A	2%	N/A	2%	N/A	0%	N/A	0%	N/A	2	N/A	2	N/A	N/A	N/A
Little Grebe	1%	1%	N/A	1%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A
Great Crested Grebe	N/A	N/A	1%	1%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Grey Heron	1%	0%	0%	0%	0%	0%	0%	0%	3	1	1	2	N/A	N/A	N/A
Little Egret	2%	0%	1%	1%	0%	0%	0%	0%	2	0	1	1	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	1	1	1	2	N/A	N/A	N/A
Coot	3%	1%	1%	2%	0%	0%	0%	0%	64	28	10	46	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	2	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	1%	1%	0%	1%	0%	0%	0%	0%	42	86	9	89	Assemblage	3690	37

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Curlew	1%	3%	0%	3%	0%	1%	0%	1%	15	38	1	38	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	1	2	N/A	2	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	1	1	1	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	25	74	27	74	Assemblage	2169	22
Common Gull	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Great Black-backed Gull	2%	4%	0%	4%	0%	1%	0%	1%	12	27	0	28	N/A	N/A	N/A
Herring Gull <sup>3</sup>	1%	1%	1%	1%	0%	0%	1%	1%	47	49	54	73	Assemblage	1705	17
Lesser Black-backed Gull	0%	N/A	1%	1%	0%	N/A	0%	0%	2	N/A	9	9	N/A	N/A	N/A



Table 23. BTO WeBS Core Count Five-year summary for Sector 52005, Pipeline Pools (RSPB Saltholme)

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*396%	*354%	*8%	*378%	N/A	N/A	N/A	N/A	198	177	4	189	N/A	N/A	N/A
Greylag Goose (British/Irish)	1%	0%	0%	1%	N/A	N/A	N/A	N/A	20	5	5	15	N/A	N/A	N/A
Domestic Greylag Goose	N/A	*2%	N/A	*2%	N/A	N/A	N/A	N/A	N/A	1	N/A	1	N/A	N/A	N/A
Hybrid goose	*2%	*0%	N/A	*2%	N/A	N/A	N/A	N/A	1	0	N/A	1	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	Assemblage	182	2
Wigeon <sup>3</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	14	N/A	18	Assemblage	4112	41
Mallard	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	1	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	1	N/A	N/A	N/A
Little Egret	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Lapwing <sup>3</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	Assemblage	3690	37
Curlew	0%	0%	N/A	1%	0%	0%	N/A	0%	4	3	N/A	6	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	7	5	5	10	Assemblage	1705	17

Table 24. BTO WeBS Core Count Five-year summary for Sector 52430, Quarries and Lagoons

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	N/A	N/A	*2%	*2%	N/A	N/A	N/A	N/A	N/A	N/A	1	1	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	N/A	0%	0%	N/A	N/A	N/A	N/A	N/A	N/A	1	1	N/A	N/A	N/A
Gadwall <sup>4</sup>	0%	N/A	0%	0%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	1	1	1	1	N/A	N/A	N/A
Teal	0%	0%	0%	0%	0%	0%	0%	0%	3	1	0	3	N/A	N/A	N/A
Tufted Duck	0%	N/A	0%	0%	0%	N/A	0%	0%	0	N/A	1	1	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	2	0	0	2	N/A	N/A	N/A
Little Egret	1%	N/A	0%	1%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	3	2	1	3	N/A	N/A	N/A
Coot	0%	N/A	0%	0%	0%	N/A	0%	0%	1	N/A	0	1	N/A	N/A	N/A
Lapwing <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	19	6	0	19	Assemblage	3690	37
Redshank <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	0	2	N/A	2	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	17	6	2	21	Assemblage	2169	22
Common Gull	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	4	2	7	10	Assemblage	1705	17

Table 25. BTO WeBS Core Count Five-year summary for Sector 52432, Redcar and Coatham Sands South

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Brent Goose (Svalbard Light-bellied)	N/A	N/A	*2%	N/A	N/A	N/A	1%	N/A	N/A	N/A	1	(2)	N/A	N/A	N/A
Canada Goose	N/A	N/A	*2%	*2%	N/A	N/A	N/A	N/A	N/A	N/A	1	1	N/A	N/A	N/A
Pink-footed Goose	0%	N/A	N/A	0%	0%	N/A	N/A	0%	2	N/A	N/A	2	N/A	N/A	N/A
Teal	0%	N/A	N/A	0%	0%	N/A	N/A	0%	3	N/A	N/A	3	Assemblage	1409	14
Eider	15%	4%	1%	9%	1%	0%	0%	1%	113	27	9	69	N/A	N/A	N/A
Velvet Scoter	N/A	*6%	N/A	*10%	N/A	0%	N/A	0%	N/A	3	N/A	5	N/A	N/A	N/A
Common Scoter	0%	3%	0%	4%	0%	1%	0%	1%	2	43	4	57	N/A	N/A	N/A
Long-tailed Duck	N/A	1%	N/A	N/A	N/A	0%	N/A	N/A	N/A	1	N/A	(3)	N/A	N/A	N/A
Red-throated Diver	1%	2%	1%	2%	0%	0%	0%	0%	3	4	2	4	N/A	N/A	N/A
Shag	0%	0%	0%	0%	0%	0%	0%	0%	5	1	3	3	N/A	N/A	N/A
Cormorant <sup>6</sup>	2%	1%	1%	2%	1%	1%	0%	1%	10	8	5	11	N/A	N/A	N/A
Oystercatcher	4%	2%	1%	4%	1%	1%	0%	2%	102	45	31	126	N/A	N/A	N/A
Grey Plover	7%	N/A	N/A	7%	1%	N/A	N/A	1%	22	N/A		22	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	9%	N/A	10%	11%	7%	N/A	7%	8%	37	N/A	40	45	N/A	N/A	N/A
Bar-tailed Godwit	1%	N/A	N/A	1%	0%	N/A	N/A	0%	5	N/A		5	N/A	N/A	N/A
Turnstone <sup>5</sup>	6%	12%	7%	15%	2%	3%	2%	4%	24	46	28	60	1739 individuals (w)	N/A	17
Knot <sup>3,4,7</sup>	0%	15%	N/A	15%	0%	7%	N/A	7%	3	385	N/A	385	5509 individuals (w)	N/A	55

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Sanderling <sup>3,4,6</sup>	74%	79%	16%	112%	7%	8%	2%	11%	148	157	32	224	Assemblage	310	3
Dunlin	1%	N/A	0%	1%	0%	N/A	0%	0%	20	N/A	5	20	N/A	N/A	N/A
Purple Sandpiper <sup>4,5,6</sup>	N/A	1%	N/A	2%	N/A	1%	N/A	2%	N/A	1	N/A	2	787 individuals (w)	N/A	8
Redshank <sup>3,4,7</sup>	5%	21%	4%	21%	2%	8%	1%	8%	50	200	33	200	1648 individuals (p)	N/A	16
Kittiwake <sup>6</sup>	*20%	*2%	*6%	*20%	0%	0%	0%	0%	10	1	3	10	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	1%	0%	1%	1%	1%	0%	1%	103	152	6	166	Assemblage	2169	22
Little Gull	*4%	*0%	N/A	*4%	0%	0%	N/A	0%	2	0	N/A	2	N/A	N/A	N/A
Common Gull	0%	0%	N/A	0%	0%	0%	N/A	0%	4	8	N/A	8	N/A	N/A	N/A
Great Black-backed Gull	1%	1%	0%	1%	0%	0%	0%	0%	7	5	1	8	N/A	N/A	N/A
Herring Gull <sup>3</sup>	2%	1%	2%	2%	1%	1%	1%	1%	124	103	150	138	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	*30%	N/A	*28%	*32%	1%	N/A	1%	1%	15	N/A	14	16	1900 individuals (p)	N/A	19
Common Tern <sup>3,4</sup>	*28%	N/A	*2%	*28%	1%	N/A	0%	1%	14	N/A	1	14	399 pairs (b)	N/A	8
Arctic Tern <sup>5</sup>	N/A	N/A	*2%	N/A	N/A	N/A	0%	N/A	N/A	N/A	1	(2)	1549 pairs (b)	N/A	31

Table 26. BTO WeBS Core Count Five-year summary for Sector 52434, Saltern Wetlands

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	N/A	N/A	*4%	*4%	N/A	N/A	N/A	N/A	N/A	N/A	2	2	N/A	N/A	N/A
Greylag Goose (British/Irish)	N/A	N/A	0%	0%	N/A	N/A	N/A	N/A	N/A	N/A	2	2	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	3%	11%	7%	11%	1%	2%	1%	2%	15	51	35	54	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	Assemblage	182	2
Gadwall <sup>4</sup>	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	Assemblage	680	7
Wigeon <sup>3</sup>	3%	6%	N/A	7%	1%	2%	N/A	2%	138	263	N/A	295	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	22	13	5	26	N/A	N/A	N/A
Pintail	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Teal	2%	3%	0%	3%	1%	3%	0%	3%	74	142	2	150	N/A	N/A	N/A
Grey Heron	1%	0%	0%	1%	0%	0%	0%	0%	3	0	1	4	N/A	N/A	N/A
Little Egret	5%	1%	0%	5%	0%	0%	0%	0%	5	1	0	5	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	11	3	5	13	N/A	N/A	N/A
Avocet <sup>3,4</sup>	2%	23%	16%	30%	0%	2%	1%	3%	2	20	14	26	18 pairs (b)	N/A	2
Lapwing <sup>3</sup>	1%	1%	0%	2%	0%	0%	0%	1%	88	63	1	138	Assemblage	3690	37
Golden Plover	1%	0%	N/A	1%	0%	0%	N/A	0%	28	17	N/A	45	N/A	N/A	N/A
Grey Plover	1%	1%	0%	1%	0%	0%	0%	0%	2	2	1	4	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	0%	0%	0%	1%	0%	0%	0%	1%	1	2	0	3	N/A	N/A	N/A
Whimbrel	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Curlew	9%	9%	2%	12%	1%	1%	0%	2%	107	102	23	149	N/A	N/A	N/A
Black-tailed Godwit	1%	3%	0%	4%	0%	1%	0%	1%	2	13	0	14	N/A	N/A	N/A
Turnstone <sup>5</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	0	1	N/A	1	1739 individuals (w)	N/A	17

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Knot <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	2	5	N/A	6	5509 individuals (w)	N/A	55
Dunlin	0%	0%	N/A	0%	0%	0%	N/A	0%	12	5	N/A	13	N/A	N/A	N/A
Green Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	9%	13%	3%	14%	4%	5%	1%	5%	85	123	25	130	1648 individuals (p)	N/A	16
Spotted Redshank	*2%	*2%	N/A	*2%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A
Greenshank	*2%	*2%	*0%	*2%	0%	0%	0%	0%	1	1	0	1	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	1%	0%	0%	0%	1%	97	38	26	110	Assemblage	2169	22
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	4	2	3	6	Assemblage	1705	17
Sandwich Tern <sup>3,4,7</sup>	*4%	N/A	N/A	*4%	0%	N/A	N/A	0%	2	N/A	N/A	2	1900 individuals (p)	N/A	19

Table 27. BTO WeBS Core Count Five-year summary for Sector 52455, Saltholme East

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*58%	*72%	*26%	*108%	N/A	N/A	N/A	N/A	29	36	13	54	N/A	N/A	N/A
Greylag Goose (British/Irish)	0%	1%	1%	1%	N/A	N/A	N/A	N/A	2	9	15	15	N/A	N/A	N/A
Black Swan	*2%	N/A	N/A	*0%	N/A	N/A	N/A	N/A	1	N/A	N/A	0	N/A	N/A	N/A
Mute Swan	5%	1%	3%	4%	5%	1%	3%	4%	26	4	15	22	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	1	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	28%	11%	1%	27%	8%	3%	0%	8%	53	21	2	51	Assemblage	182	2
Gadwall <sup>4</sup>	46%	2%	3%	31%	12%	1%	1%	8%	144	7	9	96	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	0%	N/A	1%	0%	0%	N/A	0%	15	22	N/A	24	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	18	13	7	16	N/A	N/A	N/A
Pintail	2%	2%	N/A	2%	1%	1%	N/A	1%	4	3	N/A	3	N/A	N/A	N/A
Teal	1%	1%	0%	1%	1%	1%	0%	1%	30	32	5	46	N/A	N/A	N/A
Pochard	6%	9%	3%	9%	1%	1%	0%	1%	14	21	6	21	N/A	N/A	N/A
Tufted Duck	2%	1%	2%	2%	0%	0%	0%	0%	20	17	20	23	N/A	N/A	N/A
Goldeneye	1%	4%	3%	4%	0%	0%	0%	0%	1	8	5	8	N/A	N/A	N/A
Little Grebe	8%	2%	1%	5%	0%	0%	0%	0%	12	3	1	8	N/A	N/A	N/A
Great Crested Grebe	5%	2%	4%	5%	0%	0%	0%	0%	9	3	6	8	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	1	2	0	2	N/A	N/A	N/A
Great White Egret	*2%	*2%	*0%	*2%	0%	0%	0%	0%	1	1	0	1	N/A	N/A	N/A
Little Egret	2%	5%	2%	5%	0%	1%	0%	1%	2	6	2	6	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	1	2	N/A	2	N/A	N/A	N/A
Moorhen	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Coot	11%	1%	1%	8%	1%	0%	0%	1%	225	15	21	160	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A



SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Lapwing <sup>3</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	27	2	27	Assemblage	3690	37
Curlew	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Black-tailed Godwit	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	2	N/A	2	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	6	48	40	61	Assemblage	2169	22
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	1	Assemblage	1705	17
Lesser Black-backed Gull	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Common Tern <sup>3,4</sup>	*10%	N/A	N/A	*6%	0%	N/A	N/A	0%	5	N/A	N/A	3	399 pairs (b)	N/A	8

Table 28. BTO WeBS Core Count Five-year summary for Sector 52451, Saltholme West, Scrape and Saltholme Field

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*204%	*94%	*58%	*188%	N/A	N/A	N/A	N/A	102	47	29	94	N/A	N/A	N/A
Barnacle Goose	*210%	*114%	*0%	*166%	N/A	N/A	N/A	N/A	105	57	0	83	N/A	N/A	N/A
Greylag Goose (British/Irish)	14%	0%	1%	9%	N/A	N/A	N/A	N/A	192	3	18	129	N/A	N/A	N/A
Mute Swan	1%	0%	1%	1%	1%	0%	1%	1%	4	1	4	5	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	0%	4%	2%	4%	0%	1%	0%	1%	2	18	9	18	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	21%	2%	4%	14%	6%	1%	1%	4%	39	4	8	27	Assemblage	182	2
Gadwall <sup>4</sup>	18%	5%	18%	24%	5%	1%	5%	6%	57	15	57	73	N/A	N/A	N/A
Wigeon <sup>3</sup>	3%	13%	0%	13%	1%	4%	0%	4%	113	587	4	587	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	16	5	11	13	N/A	N/A	N/A
Pintail	N/A	1%	1%	1%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Teal	3%	1%	0%	2%	2%	1%	0%	2%	114	53	10	106	N/A	N/A	N/A
Pochard	0%	2%	6%	7%	0%	0%	1%	1%	1	5	14	16	N/A	N/A	N/A
Tufted Duck	0%	0%	1%	1%	0%	0%	0%	0%	4	3	7	9	N/A	N/A	N/A
Red-breasted Merganser	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Great Crested Grebe	N/A	N/A	1%	1%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Spoonbill	*2%	N/A	N/A	*0%	1%	N/A	N/A	0%	1	N/A	N/A	0	N/A	N/A	N/A
Grey Heron	1%	0%	0%	0%	0%	0%	0%	0%	3	1	1	2	N/A	N/A	N/A
Little Egret	3%	1%	2%	3%	0%	0%	0%	0%	3	1	2	3	N/A	N/A	N/A
Cormorant <sup>6</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Moorhen	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	3	1	3	N/A	N/A	N/A
Coot	4%	0%	1%	3%	1%	0%	0%	0%	80	9	14	56	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	2	1	2	N/A	N/A	N/A
Avocet <sup>3,4</sup>	3%	6%	26%	26%	0%	1%	2%	2%	3	5	23	23	18 pairs (b)	N/A	2

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Lapwing <sup>3</sup>	7%	12%	0%	12%	2%	4%	0%	4%	450	769	23	769	Assemblage	3690	37
Golden Plover	8%	8%	0%	8%	3%	3%	0%	3%	315	309	0	313	N/A	N/A	N/A
Ringed Plover <sup>4,7</sup>	1%	0%	0%	1%	1%	0%	0%	1%	5	1	2	5	N/A	N/A	N/A
Little Ringed Plover	N/A	N/A	*2%	*2%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Curlew	0%	5%	0%	5%	0%	1%	0%	1%	3	63	0	63	N/A	N/A	N/A
Black-tailed Godwit	6%	0%	0%	4%	2%	0%	0%	1%	22	1	0	14	N/A	N/A	N/A
Ruff <sup>3,4</sup>	*4%	N/A	N/A	*2%	0%	N/A	N/A	0%	2	N/A	N/A	1	19 individuals (w)	N/A	1
Dunlin	0%	0%	0%	0%	0%	0%	0%	0%	16	4	1	12	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	1	8	N/A	8	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	0%	0%	0%	0%	0%	0%	2	2	1	2	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	3	21	70	70	Assemblage	2169	22
Common Gull	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Herring Gull <sup>3</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	3	1	3	Assemblage	1705	17
Lesser Black-backed Gull	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	2	1	2	N/A	N/A	N/A
Common Tern <sup>3,4</sup>	*2%	N/A	*2%	*2%	0%	N/A	0%	0%	1	N/A	1	1	399 pairs (b)	N/A	8

Table 29. BTO WeBS Core Count Five-year summary for Sector 52422, Seal Sands SW and Main

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Shelduck <sup>4,7</sup>	1%	1%	0%	1%	0%	0%	0%	0%	4	5	2	6	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	Assemblage	182	2
Wigeon <sup>3</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	5	N/A	5	Assemblage	4112	41
Teal	0%	0%	N/A	0%	0%	0%	N/A	0%	9	9	N/A	15	N/A	N/A	N/A
Little Egret	1%	N/A	N/A	1%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Moorhen	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	0	1	1	N/A	N/A	N/A
Oystercatcher	0%	0%	0%	0%	0%	0%	0%	0%	3	1	1	3	N/A	N/A	N/A
Grey Plover	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	0	1	N/A	N/A	N/A
Curlew	8%	6%	0%	9%	1%	1%	0%	1%	93	69	4	110	N/A	N/A	N/A
Black-tailed Godwit	0%	0%	N/A	0%	0%	0%	N/A	0%	0	1	N/A	1	N/A	N/A	N/A
Knot <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	1	3	N/A	3	5509 individuals (w)	N/A	55
Dunlin	0%	0%	N/A	0%	0%	0%	N/A	0%	3	0	N/A	3	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	0	3	N/A	3	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	9%	3%	2%	10%	4%	1%	1%	4%	88	28	19	91	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	3	1	0	3	Assemblage	2169	22
Common Gull	0%	0%	N/A	0%	0%	0%	N/A	0%	0	5	N/A	4	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	0	2	1	2	Assemblage	1705	17

Table 30. BTO WeBS Core Count Five-year summary for Sector 52441, Square Pool

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation!	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*164%	*388%	*120%	*388%	N/A	N/A	N/A	N/A	82	194	60	194	N/A	N/A	N/A
Greylag Goose (British/Irish)	4%	0%	0%	3%	N/A	N/A	N/A	N/A	62	1	1	41	N/A	N/A	N/A
Mute Swan	0%	0%	0%	0%	0%	0%	0%	0%	2	2	2	2	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	2	1	2	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	4%	3%	1%	4%	1%	1%	0%	1%	7	6	2	8	Assemblage	182	2
Gadwall <sup>4</sup>	14%	1%	5%	10%	4%	0%	1%	3%	43	3	15	31	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	3%	0%	3%	0%	1%	0%	1%	6	120	3	120	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	31	6	3	23	N/A	N/A	N/A
Domestic Mallard	N/A	*2%	N/A	*2%	N/A	N/A	N/A	N/A	N/A	1	N/A	1	N/A	N/A	N/A
Pintail	N/A	1%	N/A	1%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Teal	1%	1%	0%	1%	1%	1%	0%	1%	48	43	1	61	N/A	N/A	N/A
Pochard	0%	0%	0%	1%	0%	0%	0%	0%	1	1	1	2	N/A	N/A	N/A
Tufted Duck	0%	0%	0%	1%	0%	0%	0%	0%	6	6	5	7	N/A	N/A	N/A
Little Grebe	1%	0%	N/A	1%	0%	0%	N/A	0%	2	0	N/A	1	N/A	N/A	N/A
Great Crested Grebe	N/A	N/A	1%	1%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	1	N/A	N/A	N/A
Great White Egret	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Little Egret	2%	1%	N/A	1%	0%	0%	N/A	0%	2	1	N/A	1	N/A	N/A	N/A
Cormorant <sup>6</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	1	N/A	N/A	N/A
Water Rail	*4%	N/A	N/A	*2%	0%	N/A	N/A	0%	2	N/A	N/A	1	N/A	N/A	N/A
Moorhen	0%	N/A	0%	0%	0%	N/A	0%	0%	6	N/A	0	3	N/A	N/A	N/A
Coot	2%	2%	0%	2%	0%	0%	0%	0%	41	35	4	47	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	2	1	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	17	6	5	14	Assemblage	3690	37
Curlew	N/A	4%	N/A	4%	N/A	1%	N/A	1%	N/A	48	N/A	48	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Black-tailed Godwit	3%	N/A	N/A	2%	1%	N/A	N/A	1%	12	N/A	N/A	6	N/A	N/A	N/A
Ruff <sup>3,4</sup>	*2%	N/A	N/A	*0%	0%	N/A	N/A	0%	1	N/A	N/A	0	19 individuals (w)	N/A	1
Jack Snipe	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	0	N/A	N/A	N/A
Snipe	0%	N/A	N/A	0%	0%	N/A	N/A	0%	3	N/A	N/A	2	N/A	N/A	N/A
Green Sandpiper	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	1	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	9	3	4	8	AssemblageError! Bookmark not defined.	2169	22
Great Black-backed Gull	0%	1%	0%	1%	0%	0%	0%	0%	1	4	1	5	N/A	N/A	N/A
Herring Gull <sup>3</sup>	0%	0%	1%	1%	0%	0%	0%	0%	12	19	47	49	Assemblage	1705	17
Common Tern <sup>3,4</sup>	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	399 pairs (b)	N/A	8

Table 31. BTO WeBS Core Count Five-year summary for Sector 52435, Tank Farm

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation!	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*76%	*170%	*44%	*188%	N/A	N/A	N/A	N/A	38	85	22	94	N/A	N/A	N/A
Greylag Goose (British/Irish)	10%	5%	0%	13%	N/A	N/A	N/A	N/A	144	63	6	186	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	0%	1%	N/A	0%	0%	0%	N/A	2	1	3	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	0%	3%	1%	3%	0%	1%	0%	1%	0	5	2	5	Assemblage	182	2
Gadwall <sup>4</sup>	3%	0%	1%	4%	1%	0%	0%	1%	10	1	3	11	N/A	N/A	N/A
Wigeon <sup>3</sup>	N/A	5%	N/A	5%	N/A	2%	N/A	2%	N/A	216	N/A	216	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	6	6	3	7	N/A	N/A	N/A
Teal	0%	1%	0%	1%	0%	1%	0%	1%	15	49	7	49	N/A	N/A	N/A
Tufted Duck	N/A	N/A	0%	0%	N/A	N/A	0%	0%	N/A	N/A	1	1	N/A	N/A	N/A
Grey Heron	0%	2%	0%	2%	0%	0%	0%	0%	2	8	1	8	N/A	N/A	N/A
Little Egret	1%	N/A	1%	1%	0%	N/A	0%	0%	1	N/A	1	1	N/A	N/A	N/A
Coot	0%	0%	0%	0%	0%	0%	0%	0%	1	1	3	3	N/A	N/A	N/A
Oystercatcher	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	2	2	N/A	N/A	N/A
Lapwing <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	16	3	17	AssemblageError! Bookmark not defined.	3690	37
Curlew	1%	6%	0%	6%	0%	1%	0%	1%	8	68	4	68	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	0	2	N/A	2	1648 individuals (p)	N/A	16
Black-headed Gull <sup>3</sup>	0%	N/A	0%	0%	0%	N/A	0%	0%	2	N/A	4	5	Assemblage	2169	22
Great Black-backed Gull	N/A	3%	N/A	2%	N/A	1%	N/A	0%	N/A	19	N/A	15	N/A	N/A	N/A
Herring Gull <sup>3</sup>	N/A	2%	0%	2%	N/A	1%	0%	1%	N/A	118	26	112	Assemblage	1705	17



Table 32 BTO WeBS Core Count Five-year summary for Sector 52449, The Tanks

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*8%	N/A	*4%	*4%	N/A	N/A	N/A	N/A	4	N/A	2	2	N/A	N/A	N/A
Greylag Goose (British/Irish)	2%	0%	0%	1%	N/A	N/A	N/A	N/A	23	1	1	16	N/A	N/A	N/A
Mute Swan	0%	1%	0%	1%	0%	1%	0%	1%	2	3	2	3	N/A	N/A	N/A
Shelduck <sup>4,7</sup>	N/A	0%	0%	0%	N/A	0%	0%	0%	N/A	1	1	2	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	1%	2%	2%	3%	0%	0%	1%	1%	1	3	4	5	Assemblage	182	2
Gadwall <sup>4</sup>	7%	3%	1%	4%	2%	1%	0%	1%	23	9	3	13	N/A	N/A	N/A
Wigeon <sup>3</sup>	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	3	N/A	3	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	13	9	6	10	N/A	N/A	N/A
Teal	1%	1%	0%	1%	1%	1%	0%	1%	33	25	6	32	N/A	N/A	N/A
Pochard	N/A	1%	1%	2%	N/A	0%	0%	0%	N/A	3	3	5	N/A	N/A	N/A
Tufted Duck	0%	0%	0%	0%	0%	0%	0%	0%	6	2	6	6	N/A	N/A	N/A
Little Grebe	3%	0%	1%	1%	0%	0%	0%	0%	4	0	1	2	N/A	N/A	N/A
Grey Heron	0%	0%	0%	0%	0%	0%	0%	0%	2	1	2	2	N/A	N/A	N/A
Little Egret	2%	1%	4%	5%	0%	0%	0%	0%	2	1	4	5	N/A	N/A	N/A
Moorhen	0%	0%	0%	0%	0%	0%	0%	0%	9	7	3	9	N/A	N/A	N/A
Coot	0%	0%	0%	0%	0%	0%	0%	0%	7	7	5	8	N/A	N/A	N/A
Oystercatcher	N/A	0%	N/A	0%	N/A	0%	N/A	0%	N/A	1	N/A	1	N/A	N/A	N/A
Avocet <sup>3,4</sup>	N/A	N/A	2%	3%	N/A	N/A	0%	0%	N/A	N/A	2	3	18 pairs (b)	N/A	2
Black-tailed Godwit	1%	1%	5%	6%	0%	0%	2%	2%	5	3	20	22	N/A	N/A	N/A
Snipe	0%	N/A	0%	0%	0%	N/A	0%	0%	1	N/A	1	1	N/A	N/A	N/A
Redshank <sup>3,4,7</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	2	0		1	1648 individuals (p)	N/A	16
Greenshank	*2%	N/A	N/A	*2%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Black-headed Gull <sup>3</sup>	0%	0%	0%	0%	0%	0%	0%	0%	4	2	10	10	Assemblage	2169	22
Lesser Black-backed Gull	0%	N/A	N/A	0%	0%	N/A	N/A	0%	1	N/A	N/A	1	N/A	N/A	N/A

Table 33. BTO WeBS Core Count Five-year summary for Sector 52442, Triangle Pool

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Canada Goose	*728%	*124%	*36%	*504%	N/A	N/A	N/A	N/A	364	62	18	252	N/A	N/A	N/A
Barnacle Goose	*4%	N/A	N/A	*2%	N/A	N/A	N/A	N/A	2	N/A	N/A	1	N/A	N/A	N/A
Greylag Goose (British/Irish)	5%	0%	1%	4%	N/A	N/A	N/A	N/A	71	3	12	49	N/A	N/A	N/A
Mute Swan	0%	0%	0%	1%	0%	0%	0%	1%	2	2	1	3	N/A	N/A	N/A
Shoveler <sup>3,4</sup>	2%	N/A	N/A	2%	1%	N/A	N/A	0%	4	N/A	N/A	3	Assemblage	182	2
Gadwall <sup>4</sup>	3%	1%	0%	2%	1%	0%	0%	1%	9	2	1	7	N/A	N/A	N/A
Wigeon <sup>3</sup>	0%	0%	N/A	0%	0%	0%	N/A	0%	3	2	N/A	3	Assemblage	4112	41
Mallard	0%	0%	0%	0%	0%	0%	0%	0%	10	3	2	7	N/A	N/A	N/A
Teal	0%	0%	N/A	0%	0%	0%	N/A	0%	5	0	N/A	3	N/A	N/A	N/A
Pochard	1%	1%	0%	1%	0%	0%	0%	0%	2	3	0	3	N/A	N/A	N/A
Tufted Duck	1%	1%	0%	1%	0%	0%	0%	0%	19	7	0	11	N/A	N/A	N/A
Little Grebe	1%	N/A	1%	1%	0%	N/A	0%	0%	1	N/A	1	1	N/A	N/A	N/A
Great Crested Grebe	1%	1%	1%	1%	0%	0%	0%	0%	2	1	1	2	N/A	N/A	N/A
Bittern	*2%	N/A	*0%	*2%	1%	N/A	0%	1%	1	N/A	0	1	N/A	N/A	N/A
Grey Heron	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A
Little Egret	N/A	0%	1%	1%	N/A	0%	0%	0%	N/A	0	1	1	N/A	N/A	N/A
Cormorant <sup>5</sup>	0%	0%	0%	0%	0%	0%	0%	0%	1	0	0	1	N/A	N/A	N/A
Coot	2%	1%	0%	1%	0%	0%	0%	0%	40	20	7	27	N/A	N/A	N/A
Curlew	0%	N/A	N/A	0%	0%	N/A	N/A	0%	5	N/A	N/A	3	N/A	N/A	N/A
Snipe	0%	0%	N/A	0%	0%	0%	N/A	0%	1	1	N/A	1	N/A	N/A	N/A
Black-headed Gull <sup>3</sup>	0%	N/A	0%	0%	0%	N/A	0%	0%	13	N/A	1	9	Assemblage	2169	22

SPECIES	Autumn peak cf National Threshold	Winter peak cf National Threshold	Spring peak cf National Threshold	Annual peak cf National Threshold	Autumn peak cf International Threshold	Winter peak cf International Threshold	Spring peak cf International Threshold	Annual peak cf International Threshold	Autumn 5yr mean of peaks	Winter 5yr mean of peaks	Spring 5yr mean of peaks	Annual 5yr mean of peaks	Teesmouth and Cleveland Coast / Northumbria Coast 5-year Peak mean Population at SPA and Ramsar Designation <sup>1</sup>	Tees Estuary 5-year Peak mean population 2017/18 – 2021/22Error! Bookmark not defined.	SPA/Ramsar 1% Threshold
Herring Gull <sup>3</sup>	0%	N/A	N/A	0%	0%	N/A	N/A	0%	8	N/A	N/A	N/A	Assemblage	1705	17

## ANNEX H: AECOM SUMMARY WETLAND BIRD COUNT DATA

Table 13A-14: Summary count data for The Foundry count sectors (1-8a) – High Tide

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
<b>Bar-tailed Godwit</b> <i>(Limosa lapponica)</i>	0	N/A	0	N/A	0	N/A	7 (Sep 22)	1.06 (5)	11 (Sep 22)	0.76 (3)	0	N/A	0	N/A
<b>Black-headed Gull**</b> <i>(Chroicocephalus ridibundus)</i>	0	N/A	3 (Aug 23)	0.17 (1)	1 (Jan 22)	0.06 (1)	110 (Jan 23)	16.44 (8)	200 (Feb 22)	16.41 (7)	45 (Feb 22)	3 (1)	7 (Feb 22)	1.6 (5)
<b>Black-tailed Godwit</b> ( <i>Limosa limosa</i> )	0	N/A	0	N/A	0	N/A	5 (Dec 22)	0.31 (1)	0	N/A	0	N/A	0	N/A

<sup>36</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Black-throated Diver ( <i>Gavia arctica</i> )	0	N/A	0	N/A	0	N/A	0	N/A	1 (Oct 22)	0.06 (1)	0	N/A	2 (Aug 23)	0.13 (1)
Canada Goose ( <i>Branta canadensis</i> )	0	N/A	0	N/A	3 (Mar 23)	0.18 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Common Gull ( <i>Larus canus</i> )	1 (Feb 23)	0.06 (1)	2 (Feb 22)	0.11 (1)	0	N/A	14 (Oct 22)	2.56 (4)	150 (Feb 22)	14.18 (6)	103 (Feb 22)	6.87 (1)	3 (Feb 22)	0.27 (2)
Common Scoter ( <i>Melanitta nigra</i> )	0	N/A	5 (Jan 22)	0.28 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Common Tern* ( <i>Sterna hirundo</i> )	0	N/A	0	N/A	0	N/A	0	N/A	16 (Jul 23)	1.71 (3)	0	N/A	28 (Aug 23)	1.87 (1)
Cormorant** ( <i>Phalacrocorax carbo</i> )	0	N/A	3 (Oct 22)	0.5 (4)	0	N/A	1 (Nov 22)	0.06 (1)	35 (Mar 22)	5.94 (11)	0	N/A	0	N/A

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Cormorant/shag ( <i>Phalacrocorax carbo</i> / <i>Gulosus aristotelis</i> )	0	N/A	0	N/A	0	N/A	0	N/A	9 (Jan 22)	0.53 (1)	0	N/A	0	N/A
Curlew ( <i>Numenius arquata</i> )	0	N/A	0	N/A	0	N/A	23 (Feb 22)	4.44 (9)	15 (Feb 23)	2.88 (9)	2 (Mar 22)	0.27 (2)	8 (Dec 22)	1.47 (8)
Curlew Sandpiper ( <i>Calidris ferruginea</i> )	0	N/A	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.06 (1)	0	N/A	0	N/A
Dunlin ( <i>Calidris alpina</i> )	0	N/A	0	N/A	0	N/A	160 (Sep 22)	17.44 (5)	130 (Feb 22)	13.82 (9)	0	N/A	0	N/A
Eider ( <i>Somateria mollissima</i> )	5 (Feb 22)	0.28 (1)	6 (Jan 22)	0.33 (1)	0	N/A	0	N/A	3 (Dec 22)	0.35 (4)	0	N/A	3 (May 23)	0.33 (2)



SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Great Black-backed Gull ( <i>Larus marinus</i> )	1 (Nov 22)	0.06 (1)	1 (Nov 22)	0.06 (1)	0	N/A	0	N/A	8 (Sep 22)	0.76 (5)	0	N/A	0	N/A
Golden Plover ( <i>Pluvialis apricaria</i> )	0	N/A	0	N/A	0	N/A	0	N/A	2 (Sep 22)	0.18 (2)	0	N/A	0	N/A
Great Crested Grebe ( <i>Podiceps cristatus</i> )	0	N/A	0	N/A	0	N/A	1 (Mar 22)	0.13 (2)	0	N/A	0	N/A	0	N/A
Grey Heron ( <i>Ardea cinerea</i> )	0	N/A	0	N/A	1 (Mar 23)	0.06 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Grey Plover ( <i>Pluvialis squatarola</i> )	0	N/A	0	N/A	0	N/A	2 (Sep 22)	0.19 (2)	48 (Feb 22)	8.29 (8)	0	N/A	0	N/A

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Herring Gull** ( <i>Larus argentatus</i> )	19 (Aug 23)	2.17 (5)	16 (Jun 23)	1.72 (4)	0	N/A	36 (Feb 22)	7.56 (8)	133 (Feb 22)	15.71 (11)	18 (Sep 22)	2.73 (3)	3 (Mar 22)	0.67 (5)
Knot* ( <i>Calidris canutus</i> )	0	N/A	0	N/A	0	N/A	10 (Sep 22)	1.69 (5)	55 (Feb 22)	11.12 (9)	0	N/A	2 (Feb 22)	0.13 (1)
Lapwing** ( <i>Vanellus vanellus</i> )	0	N/A	0	N/A	2 (Jul 23)	0.12 (1)	0	N/A	0	N/A	0	N/A	56 (Nov 22)	8.13 (4)
Lesser Black-backed Gull ( <i>Larus fuscus</i> )	2 (Nov 22)	0.11 (1)	1 (Feb 22)	0.06 (1)	0	N/A	0	N/A	3 (Sep 22)	0.29 (2)	22 (Sep 22)	1.47 (1)	0	N/A
Little Ringed Plover ( <i>Charadrius dubius</i> )	0	N/A	0	N/A	2 (Jun 23)	0.12 (1)	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Mallard ( <i>Anas platyrhynchos</i> )	0	N/A	0	N/A	0	N/A	2 (Feb 22)	0.13 (1)	0	N/A	0	N/A	4 (Nov 22)	0.4 (2)
Mixed Gulls	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Moorhen ( <i>Gallinula chloropus</i> )	0	N/A	0	N/A	3 (Jul 23)	0.59 (8)	0	N/A	0	N/A	0	N/A	0	N/A
Oystercatcher ( <i>Haematopus ostralegus</i> )	3 (Sep 22)	0.17 (1)	8 (Jun 23)	0.56 (2)	0	N/A	54 (Feb 23)	17.19 (12)	69 (Feb 23)	25.06 (13)	1 (Mar 22)	0.07 (1)	4 (Nov 22)	1.07 (5)
Purple Sandpiper* ( <i>Calidris maritima</i> )	0	N/A	0	N/A	0	N/A	0	N/A	2 (Feb 22)	0.12 (1)	0	N/A	0	N/A
Razorbill ( <i>Alca torda</i> )	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.07 (1)

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Red-breasted Merganser ( <i>Mergus serrator</i> )	0	N/A	0	N/A	0	N/A	16 (Mar 22)	1 (1)	1 (Dec 22)	0.06 (1)	0	N/A	2 (Mar 22)	0.4 (3)
Redshank* ( <i>Tringa totanus</i> )	0	N/A	5 (Feb 22)	0.28 (1)	13 (Nov 22)	0.76 (1)	140 (Jan 23)	53.25 (13)	17 (Feb 22)	3.71 (6)	0	N/A	45 (Sep 22)	12.47 (11)
Ringed Plover ( <i>Charadrius hiaticula</i> )	2 (Sep 22)	0.22 (2)	7 (Sep 22)	0.39 (1)	0	N/A	0	N/A	34 (Feb 23)	5 (7)	0	N/A	0	N/A
Roseate Tern ( <i>Sterna dougallii</i> )	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.07 (1)
Sanderling** ( <i>Calidris alba</i> )	22 (May 23)	4.72 (8)	17 (Aug 23)	2.5 (5)	0	N/A	1 (Sep 22)	0.19 (3)	2 (Feb 22)	0.12 (1)	0	N/A	0	N/A
Sandwich Tern* ( <i>Thalasseus sandvicensis</i> )	0	N/A	4 (May 23)	0.22 (1)	0	N/A	0	N/A	60 (Jul 23)	4.53 (4)	0	N/A	8 (Aug 23)	0.53 (1)

SPECIES <sup>36</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	18		18		17		16		17		15		15	
Shag ( <i>Gulosus aristotelis</i> )	0	N/A	4 (Jan 22)	0.5 (4)	0	N/A	0	N/A	44 (Oct 22)	9.47 (11)	0	N/A	0	N/A
Shelduck** ( <i>Tadorna tadorna</i> )	3 (Feb 22)	0.17 (1)	0	N/A	0	N/A	8 (Mar 22)	0.88 (3)	4 (Nov 22)	0.24 (1)	0	N/A	4 (Mar 22)	0.67 (5)
Teal** ( <i>Anas crecca</i> )	0	N/A	0	N/A	2 (Mar 23)	0.18 (2)	0	N/A	8 (Sep 22)	0.47 (1)	0	N/A	26 (Jan 23)	4.27 (5)
Tufted Duck ( <i>Aythya fuligula</i> )	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	52 (Nov 22)	3.47 (1)
Turnstone* ( <i>Arenaria interpres</i> )	0	N/A	0	N/A	0	N/A	26 (Mar 23)	4.63 (8)	11 (Feb 23)	2.88 (9)	0	N/A	4 (Dec 22)	0.47 (3)
Wigeon** ( <i>Anas penelope</i> )	0	N/A	2 (Feb 23)	0.11 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

Table 13A-15: Summary count data for The Foundry count sectors (9-15) – High Tide

SPECIES <sup>37</sup>	COUNT SECTOR													
	9		10		11		12		13		14		15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		16		15		16		16		15		16	
Black-headed Gull**	10 (Nov 22)	0.94 (3)	0	N/A	0	N/A	0	N/A	0	N/A	170 (Aug 23)	15.4 (6)	14 (May 23)	1.81 (3)
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	7 (Aug 23)	0.44 (1)
Common Gull	52 (Dec 22)	4 (3)	0	N/A	0	N/A	0	N/A	0	N/A	59 (Aug 23)	4.33 (4)	0	N/A
Coot	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 22)	0.06 (1)
Curlew	0	N/A	2 (Jan 22)	0.13 (1)	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.07 (1)	1 (Mar 23)	0.06 (1)
Gadwall	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.13 (1)

<sup>37</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>37</sup>	COUNT SECTOR													
	9		10		11		12		13		14		15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		16		15		16		16		15		16	
Great Black-backed Gull	5 (Nov 22)	0.63 (2)	0	N/A	0	N/A	0	N/A	0	N/A	82 (Nov 22)	8.67 (3)	0	N/A
Grey Heron	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 22)	0.13 (1)
Herring Gull**	28 (Mar 22)	2.5 (3)	20 (Jan 22)	1.25 (1)	0	N/A	0	N/A	5 (Jan 22)	0.31 (1)	152 (Jul 23)	21.27 (10)	40 (Jun 23)	7.5 (4)
Kittiwake	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jul 23)	0.27 (2)	0	N/A
Lapwing**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	234 (Aug 23)	15.6 (1)	8 (Mar 22)	1.69 (5)
Lesser Black-backed Gull	0	N/A	0	N/A	1 (Sep 22)	0.07 (1)	0	N/A	0	N/A	8 (Aug 23)	0.67 (2)	0	N/A
Little Ringed Plover	0	N/A	2 (May 23)	0.25 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A



SPECIES <sup>37</sup>	COUNT SECTOR													
	9		10		11		12		13		14		15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		16		15		16		16		15		16	
Mallard	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (Jan 22)	0.25 (1)
Moorhen	2 (Jan 22)	0.13 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.13 (1)	0	N/A
Sandwich Tern*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	14 (Aug 23)	0.93 (1)	0	N/A
Shelduck**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	22 (Aug 23)	5.6 (7)	10 (Mar 22)	1 (4)
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.07 (1)	7 (Apr 23)	0.75 (4)

Table 13A-16: Summary count data for The Foundry count sectors (15a-18) – High Tide

SPECIES <sup>38</sup>	COUNT SECTOR							
	15A		16		17		18	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		16		5		13	
Bar-tailed Godwit	0	N/A	55 (Sep 22)	3.44 (1)	0	N/A	0	N/A
Black-headed Gull**	0	N/A	84 (Jun 23)	26.06 (12)	0	N/A	90 (Jan 23)	24.46 (10)
Black-tailed Godwit	0	N/A	16 (Dec 22)	1.19 (2)	0	N/A	40 (Jan 23)	4.23 (2)
Common Tern*	0	N/A	0	N/A	0	N/A	2 (May 23)	0.15 (1)
Cormorant**	1 (Sep 22)	0.06 (1)	2 (Feb 22)	0.31 (3)	0	N/A	2 (Feb 22)	0.54 (5)
Curlew	0	N/A	4 (Dec 22)	1.13 (8)	0	N/A	1 (Jan 23)	0.15 (2)
Dunlin	0	N/A	0	N/A	0	N/A	1 (Dec 23)	0.08 (1)
Gadwall	0	N/A	5 (Mar 22)	0.56 (2)	0	N/A	25 (Sep 23)	7.54 (10)
Great Black-backed Gull	0	N/A	6 (Dec 22)	0.38 (1)	0	N/A	0	N/A

<sup>38</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>38</sup>	COUNT SECTOR							
	15A		16		17		18	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		16		5		13	
Goldeneye	0	N/A	16 (Mar 22)	1.5 (2)	0	N/A	0	N/A
Golden Plover	0	N/A	38 (Jan 23)	2.38 (1)	0	N/A	0	N/A
Grey Heron	1 (Feb 22)	0.06 (1)	1 (Sep 22)	0.06 (1)	0	N/A	3 (Jan 23)	0.31 (2)
Herring Gull**	0	N/A	62 (Dec 22)	11.63 (8)	0	N/A	7 (Jun 23)	1.54 (5)
Kittiwake	0	N/A	5 (Mar 22)	0.88 (3)	0	N/A	0	N/A
Lapwing**	0	N/A	77 (Sep 22)	9 (7)	0	N/A	12 (Aug 23)	2.23 (5)
Lesser Black-backed Gull	0	N/A	3 (Mar 22)	0.38 (2)	0	N/A	0	N/A
Little Egret	0	N/A	4 (Sep 22)	0.63 (4)	0	N/A	0	N/A
Little Grebe	0	N/A	6 (Nov 22)	0.75 (3)	0	N/A	1 (Jan 23)	0.08 (1)
Mallard	0	N/A	13 (Jan 23)	1.19 (4)	0	N/A	16 (Mar 23)	4.54 (7)
Moorhen	2 (Jul 23)	0.19 (2)	0	N/A	0	N/A	6 (Jan 23)	0.77 (3)
Oystercatcher	0	N/A	2 (Mar 23)	0.38 (4)	0	N/A	0	N/A

SPECIES <sup>38</sup>	COUNT SECTOR							
	15A		16		17		18	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		16		5		13	
Red-breasted Merganser	0	N/A	28 (Mar 23)	3.69 (6)	0	N/A	6 (Jan 23)	0.62 (2)
Redshank*	0	N/A	92 (Mar 22)	8.5 (8)	0	N/A	120 (Mar 23)	29.46 (9)
Scaup	0	N/A	1 (Aug 23)	0.06 (1)	0	N/A	0	N/A
Shelduck**	0	N/A	46 (Mar 22)	9.25 (9)	0	N/A	26 (Feb 23)	10.92 (10)
Snipe	0	N/A	2 (Mar 22)	0.13 (1)	0	N/A	1 (Jan 23)	0.23 (3)
Teal**	0	N/A	63 (Jan 23)	8 (4)	0	N/A	400 (Jan 23)	108.08 (10)
Turnstone*	0	N/A	0	N/A	0	N/A	10 (Mar 23)	2.92 (6)

Table 13A-17: Summary count data for The Foundry count sectors (1-8a) – Low Tide

SPECIES <sup>39</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		12		13		17		13		13	
Arctic Skua	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.15 (1)
Bar-tailed Godwit	0	N/A	0	N/A	0	N/A	25 (Mar 22)	4.31 (5)	18 (Feb 22)	3.29 (9)	0	N/A	0	N/A
Black-headed Gull**	50 (Dec 22)	7.31 (4)	40 (Dec 22)	5.69 (4)	1 (Feb 22)	0.08 (1)	96 (Sep 22)	16.77 (9)	130 (Feb 23)	27.47 (13)	0	N/A	4 (Dec 22)	1.62 (8)
Black-tailed Godwit	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.08 (1)	1 (Apr 23)	0.06 (1)	0	N/A	0	N/A
Canada Goose	0	N/A	1 (Sep 22)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Caspian Gull	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.06 (1)	0	N/A	0	N/A

<sup>39</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>39</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		12		13		17		13		13	
Common Gull	3 (Mar 23)	0.31 (2)	26 (Dec 22)	2.69 (3)	0	N/A	25 (Feb 22)	4.62 (6)	320 (Feb 22)	30.59 (10)	0	N/A	5 (Mar 22)	0.54 (2)
Common Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	3 (Jan 22)	0.18 (1)	0	N/A	0	N/A
Common Scoter	100 (Mar 23)	7.69 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Common Tern*	0	N/A	0	N/A	0	N/A	0	N/A	54 (Aug 23)	3.47 (2)	0	N/A	0	N/A
Cormorant**	5 (Sep 22)	0.46 (2)	30 (Sep 22)	3.54 (5)	0	N/A	1 (Oct 22)	0.08 (1)	130 (Feb 22)	16.65 (12)	0	N/A	0	N/A
Curlew	0	N/A	3 (Feb 23)	0.38 (3)	2 (Oct 22)	0.17 (1)	17 (Oct 22)	4.38 (11)	19 (Oct 22)	5.24 (13)	6 (Jan 22)	0.54 (2)	2 (Oct 22)	0.62 (7)
Dunlin	0	N/A	0	N/A	0	N/A	92 (Mar 22)	18.77 (6)	220 (Sep 22)	22.59 (9)	0	N/A	2 (Oct 22)	0.15 (1)

SPECIES <sup>39</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		12		13		17		13		13	
Eider	0	N/A	10 (Sep 22)	0.92 (2)	0	N/A	0	N/A	3 (Mar 23)	0.29 (3)	0	N/A	0	N/A
Great Black-backed Gull	3 (Oct 22)	0.23 (1)	2 (Oct 22)	0.15 (1)	0	N/A	1 (Sep 22)	0.08 (1)	96 (Oct 22)	10.12 (5)	4 (Sep 22)	0.31 (1)	0	N/A
Great Crested Grebe	1 (Mar 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Grey Heron	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.15 (2)	9 (Nov 22)	0.76 (4)	0	N/A	1 (Jan 22)	0.31 (4)
Grey Plover	0	N/A	0	N/A	0	N/A	13 (Mar 22)	1.77 (3)	25 (Mar 22)	2.35 (5)	0	N/A	0	N/A
Guillemot	5 (Sep 22)	0.38 (1)	18 (Sep 22)	1.38 (1)	0	N/A	0	N/A	46 (Aug 23)	2.71 (1)	0	N/A	1 (Aug 23)	0.08 (1)
Herring Gull**	31 (Dec 22)	5 (7)	65 (Sep 22)	15.85 (8)	0	N/A	56 (Mar 22)	23.54 (12)	92 (Feb 23)	45 (18)	0	N/A	3 (Feb 23)	0.77 (5)



SPECIES <sup>39</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		12		13		17		13		13	
Kittiwake	0	N/A	0	N/A	0	N/A	0	N/A	10 (Aug 23)	0.59 (1)	0	N/A	0	N/A
Knot*	0	N/A	0	N/A	0	N/A	20 (Sep 22)	2.85 (3)	21 (Sep 22)	1.88 (4)	0	N/A	0	N/A
Lapwing**	0	N/A	0	N/A	2 (Jun 23)	0.33 (2)	0	N/A	86 (Nov 22)	5.06 (1)	0	N/A	42 (Aug 23)	3.23 (1)
Lesser Black-backed Gull	0	N/A	1 (Mar 23)	0.08 (1)	0	N/A	0	N/A	12 (Aug 23)	0.94 (3)	0	N/A	0	N/A
Little Egret	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.08 (1)	5 (Sep 22)	0.59 (5)	0	N/A	0	N/A
Little Ringed Plover	0	N/A	0	N/A	2 (Jun 23)	0.25 (2)	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.08 (1)
Mallard	0	N/A	0	N/A	2 (Mar 23)	0.17 (1)	0	N/A	0	N/A	0	N/A	2 (Mar 22)	0.23 (2)

SPECIES <sup>39</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		12		13		17		13		13	
Mediterranean Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.08 (1)
Mixed Gulls	300 (Jan 22)	23.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Moorhen	0	N/A	0	N/A	2 (Jul 23)	0.5 (4)	0	N/A	0	N/A	0	N/A	0	N/A
Oystercatcher	600 (Jan 22)	48.46 (5)	150 (Feb 23)	13.46 (8)	0	N/A	34 (Jan 23)	13.69 (11)	57 (Feb 23)	19.35 (17)	0	N/A	2 (Mar 22)	0.15 (1)
Razorbill	0	N/A	0	N/A	0	N/A	0	N/A	22 (Aug 23)	1.29 (1)	0	N/A	0	N/A
Red-breasted Merganser	0	N/A	2 (Feb 23)	0.15 (1)	0	N/A	4 (Feb 23)	0.31 (1)	24 (Mar 23)	2.59 (3)	0	N/A	7 (Mar 23)	0.85 (2)
Redshank*	0	N/A	0	N/A	0	N/A	75 (Mar 22)	22.69 (12)	36 (Mar 22)	9.06 (12)	0	N/A	4 (Oct 22)	1.31 (10)
Red-throated Diver	0	N/A	1 (Feb 22)	0.23 (3)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>39</sup>	COUNT SECTOR													
	1		2		3A		6		7		8		8A	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		12		13		17		13		13	
Ringed Plover	4 (Aug 23)	0.31 (1)	8 (Aug 23)	0.62 (1)	1 (Jul 23)	0.08 (1)	3 (Mar 22)	0.92 (5)	60 (Sep 22)	4.53 (7)	0	N/A	0	N/A
Sanderling**	62 (Aug 23)	5.38 (3)	62 (Sep 22)	8.08 (5)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Sandwich Tern*	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.08 (1)	66 (Aug 23)	4 (2)	0	N/A	0	N/A
Shag	1 (Feb 22)	0.08 (1)	10 (Mar 23)	1.08 (4)	0	N/A	0	N/A	42 (Aug 23)	7.47 (10)	0	N/A	0	N/A
Shelduck**	0	N/A	0	N/A	0	N/A	12 (Mar 22)	2.46 (3)	10 (Mar 23)	1.12 (5)	0	N/A	0	N/A
Teal**	0	N/A	0	N/A	0	N/A	6 (Mar 22)	0.46 (1)	2 (Aug 23)	0.12 (1)	0	N/A	32 (Dec 22)	3.69 (4)
Turnstone*	4 (Dec 22)	0.62 (2)	0	N/A	0	N/A	25 (Oct 22)	2.77 (5)	9 (Oct 22)	1.18 (5)	0	N/A	0	N/A

Table 13A-18: Summary count data for The Foundry count sectors (9-15) – Low Tide

SPECIES <sup>40</sup>	COUNT SECTOR													
	9		10		11		12		13		14		15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		13		12		12		13		12		13	
Black-headed Gull**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	34 (Jul 23)	4.17 (3)	0	N/A
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.15 (1)
Common Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.08 (1)	0	N/A
Common Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.08 (1)
Great Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	48 (Nov 22)	4.17 (2)	0	N/A

<sup>40</sup> Species in bold are SSSI qualifying species, \* means individual qualifying species of SPA, \*\* means assemblage qualifying species of SPA, figures in bold denote where 1% of the SPA qualifying population is exceeded.

SPECIES <sup>40</sup>	COUNT SECTOR													
	9		10		11		12		13		14		15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		13		12		12		13		12		13	
Herring Gull**	6 (Jan 22)	0.5 (1)	38 (Jan 22)	2.92 (1)	0	N/A	40 (Apr 23)	5.75 (2)	1 (Jan 22)	0.08 (1)	28 (Nov 22)	7.5 (6)	36 (Mar 23)	8.08 (5)
Lapwing**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	21 (Jul 23)	4.42 (3)	7 (Mar 23)	1.85 (5)
Lesser Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	6 (Sep 22)	0.5 (1)	0	N/A
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 22)	0.08 (1)
Shelduck**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.17 (1)	3 (Jan 22)	0.23 (1)
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Nov 22)	0.38 (3)

SPECIES <sup>40</sup>	COUNT SECTOR													
	9		10		11		12		13		14		15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		13		12		12		13		12		13	
Teal**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.15 (1)

Table 13A-19: Summary count data for The Foundry count sectors (15a-18) – Low Tide

SPECIES <sup>41</sup>	COUNT SECTOR							
	15A		16		17		18	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		6		13	
Avocet*	0	N/A	0	N/A	0	N/A	1 (May 23)	0.08 (1)
Bar-tailed Godwit	0	N/A	0	N/A	0	N/A	3 (Nov 23)	0.23 (1)
Black-headed Gull**	0	N/A	128 (Feb 23)	33.83 (12)	0	N/A	105 (Feb 23)	44.62 (12)
Black-tailed Godwit	0	N/A	0	N/A	0	N/A	7 (Feb 23)	0.54 (1)
Common Gull	0	N/A	6 (Dec 22)	0.5 (1)	0	N/A	0	N/A
Common Sandpiper	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.08 (1)
Cormorant**	1 (Feb 23)	0.08 (1)	3 (Sep 22)	0.42 (3)	0	N/A	5 (May 23)	0.38 (1)
Curlew	0	N/A	2 (Mar 23)	0.42 (4)	0	N/A	6 (Mar 23)	1.23 (4)
Egyptian Goose	0	N/A	0	N/A	0	N/A	1 (May 23)	0.08 (1)
Gadwall	0	N/A	0	N/A	0	N/A	20 (Sep 23)	7 (9)
Great Black-backed Gull	0	N/A	9 (Dec 22)	0.75 (1)	0	N/A	0	N/A

<sup>41</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.



SPECIES <sup>41</sup>	COUNT SECTOR							
	15A		16		17		18	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		6		13	
Goldeneye	0	N/A	10 (Dec 22)	3.25 (5)	0	N/A	0	N/A
Goosander	0	N/A	0	N/A	0	N/A	4 (May 23)	0.31 (1)
Grey Heron	5 (Mar 23)	0.62 (4)	2 (Nov 22)	0.17 (1)	0	N/A	2 (Oct 23)	0.31 (2)
Herring Gull**	0	N/A	43 (Dec 22)	7.92 (4)	0	N/A	5 (Mar 23)	2.08 (9)
Kingfisher	0	N/A	0	N/A	0	N/A	1 (Nov 23)	0.15 (2)
Kittiwake	0	N/A	6 (Mar 22)	1 (3)	0	N/A	0	N/A
Lapwing**	0	N/A	83 (Sep 22)	6.92 (1)	0	N/A	48 (Aug 23)	10.31 (7)
Lesser Black-backed Gull	0	N/A	1 (Sep 22)	0.08 (1)	0	N/A	1 (Sep 23)	0.08 (1)
Little Egret	0	N/A	2 (Sep 22)	0.42 (3)	0	N/A	3 (Oct 22)	0.23 (1)
Little Grebe	0	N/A	3 (Oct 22)	0.83 (5)	0	N/A	1 (Nov 23)	0.08 (1)
Mallard	2 (Mar 22)	0.15 (1)	0	N/A	0	N/A	20 (Jun 23)	9.31 (12)
Moorhen	2 (Jul 23)	0.15 (1)	0	N/A	0	N/A	8 (Dec 23)	1.31 (4)
Mute Swan	1 (Oct 22)	0.08 (1)	0	N/A	0	N/A	0	N/A

SPECIES <sup>41</sup>	COUNT SECTOR							
	15A		16		17		18	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		6		13	
Oystercatcher	0	N/A	1 (Mar 22)	0.08 (1)	0	N/A	17 (Sep 23)	2 (4)
Red-breasted Merganser	0	N/A	23 (Mar 22)	5.5 (7)	0	N/A	2 (Dec 23)	0.15 (1)
Redshank*	0	N/A	5 (Mar 22)	1 (4)	0	N/A	105 (Feb 23)	27.77 (9)
Shelduck**	0	N/A	29 (Mar 22)	4.17 (4)	0	N/A	65 (Feb 23)	26.92 (12)
Snipe	0	N/A	2 (Jan 23)	0.17 (1)	0	N/A	3 (Feb 23)	0.23 (1)
Teal**	0	N/A	5 (Mar 22)	0.67 (2)	0	N/A	400 (Nov 23)	110.23 (9)
Turnstone*	0	N/A	0	N/A	0	N/A	1 (Nov 23)	0.08 (1)
Wigeon**	0	N/A	6 (Mar 22)	0.5 (1)	0	N/A	0	N/A

Table 13A-20: Summary count data for Seal Sands count sectors (2-9, 25) – High Tide

SPECIES <sup>42</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		16		10		10		4		9		8		9	
Bar-tailed Godwit	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Oct 23)	0.44 (2)
Black-headed Gull**	0	N/A	2 (Jul 23)	0.25 (3)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Oct 23)	0.22 (2)
Common Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	5 (Oct 23)	0.56 (1)
Cormorant**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	7 (Oct 23)	0.78 (1)
Curlew	2 (Mar 23)	0.31 (3)	2 (Apr 23)	0.31 (4)	0	N/A	22 (Jan 23)	6.2 (6)	0	N/A	56 (Feb 22)	10.22 (5)	9 (Feb 22)	1.5 (2)	1 (Sep 23)	0.33 (3)
Dunlin	0	N/A	2 (Oct 22)	0.25 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

<sup>42</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>42</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		16		10		10		4		9		8		9	
Gadwall	0	N/A	3 (Jan 23)	0.19 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Greenshank	0	N/A	1 (Jul 23)	0.06 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Grey Heron	0	N/A	1 (Jul 23)	0.06 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Guillemot	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Oct 23)	0.11 (1)
Herring Gull**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Feb 22)	0.22 (1)	0	N/A	3 (Oct 23)	0.44 (2)
Lapwing**	4 (Jan 23)	0.31 (1)	0	N/A	0	N/A	7 (Jan 23)	0.7 (1)	0	N/A	0	N/A	0	N/A	43 (Oct 23)	7.89 (3)
Mute Swan	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.22 (1)	0	N/A	0	N/A

SPECIES <sup>42</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		16		10		10		4		9		8		9	
Oystercatcher	0	N/A	3 (Aug 23)	0.5 (4)	0	N/A	0	N/A	0	N/A	8 (Feb 22)	0.89 (1)	0	N/A	29 (Sep 23)	7.78 (4)
Pintail	0	N/A	2 (Mar 22)	0.13 (1)	0	N/A	0	N/A	0	N/A	3 (Mar 22)	0.33 (1)	0	N/A	0	N/A
Red-breasted Merganser	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	5 (Oct 23)	0.56 (1)
Red-necked Grebe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Oct 23)	0.11 (1)
Redshank*	0	N/A	50 (Mar 23)	11.38 (12)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	20 (Dec 23)	3.56 (4)
Sanderling**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 23)	0.11 (1)
Shag	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	5 (Feb 22)	0.56 (1)	0	N/A	0	N/A

SPECIES <sup>42</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		16		10		10		4		9		8		9	
Shelduck**	0	N/A	9 (Aug 23)	1.06 (3)	0	N/A	0	N/A	0	N/A	2 (Mar 22)	0.22 (1)	0	N/A	0	N/A
Shoveler**	0	N/A	30 (Jan 23)	2.13 (3)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Snipe	0	N/A	2 (Oct 22)	0.13 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Teal**	0	N/A	36 (Jan 23)	3.13 (3)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

Table 13A-21: Summary count data for Seal Sands count sectors (18-20, 24, G4, G5) – High Tide

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Avocet*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	7 (Mar 23)	1.18 (3)
Bar-tailed Godwit	0	N/A	24 (Feb 23)	2.89 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Black-headed Gull**	15 (Feb 22)	3.18 (3)	35 (Jul 23)	4.11 (2)	5 (Feb 22)	0.44 (3)	19 (Aug 23)	2.72 (7)	25 (Jan 23)	5.13 (4)	42 (Mar 23)	3.91 (2)	200 (Oct 22)	24.91 (8)
Black-tailed Godwit	0	N/A	6 (May 23)	0.67 (1)	0	N/A	0	N/A	1 (Jan 23)	0.13 (1)	1 (Nov 22)	0.09 (1)	0	N/A
Brent Goose (Dark-bellied)	0	N/A	0	N/A	2 (Oct 22)	0.11 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	55 (Dec 22)	12.5 (5)	6 (May 23)	1 (3)	34 (Nov 22)	3.91 (4)

<sup>43</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Common Gull	0	N/A	3 (Jan 23)	0.33 (1)	0	N/A	0	N/A	1 (Dec 22)	0.13 (1)	0	N/A	2 (Oct 22)	0.18 (1)
Common Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.09 (1)
Common Tern*	4 (Aug 23)	0.36 (1)	10 (Jul 23)	1.11 (1)	1 (Jul 23)	0.06 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Coot	0	N/A	0	N/A	0	N/A	0	N/A	18 (Jan 23)	4.88 (5)	0	N/A	2 (Mar 23)	0.45 (3)
Cormorant**	0	N/A	10 (Jun 23)	1.11 (1)	1 (Mar 22)	0.17 (3)	2 (Jan 23)	0.28 (3)	0	N/A	0	N/A	0	N/A
Curlew	30 (Sep 22)	2.73 (1)	147 (Jul 23)	45.33 (4)	10 (Sep 22)	0.94 (2)	12 (Feb 22)	0.67 (1)	65 (Jan 23)	8.5 (3)	60 (Jan 23)	16.73 (6)	65 (Feb 23)	12.36 (9)
Dunlin	0	N/A	45 (Feb 23)	7.78 (3)	0	N/A	0	N/A	0	N/A	0	N/A	20 (Dec 22)	2.45 (3)



SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Eider	0	N/A	1 (Jan 23)	0.11 (1)	5 (May 23)	0.28 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Gadwall	0	N/A	0	N/A	0	N/A	0	N/A	185 (Aug 23)	23.13 (1)	4 (May 23)	0.55 (2)	16 (Dec 22)	1.45 (1)
Great Black-backed Gull	0	N/A	1 (Feb 22)	0.11 (1)	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.09 (1)	0	N/A
Goldeneye	0	N/A	0	N/A	0	N/A	0	N/A	4 (Jan 23)	1 (2)	0	N/A	0	N/A
Golden Plover	0	N/A	33 (Aug 23)	3.67 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.09 (1)
Great Crested Grebe	0	N/A	0	N/A	0	N/A	3 (Sep 22)	0.17 (1)	8 (Mar 23)	2 (4)	0	N/A	0	N/A
Grey Heron	0	N/A	6 (Jul 23)	0.78 (2)	0	N/A	0	N/A	2 (May 23)	0.25 (1)	1 (Sep 22)	0.45 (5)	1 (Nov 22)	0.36 (4)
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	10 (Mar 23)	3 (3)	17 (Nov 22)	4 (5)	26 (Nov 22)	3 (2)

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Grey Plover	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.09 (1)
Guillemot	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Herring Gull**	5 (Mar 22)	0.64 (2)	29 (Feb 23)	5.89 (3)	3 (Jul 23)	0.17 (1)	23 (Aug 23)	1.56 (2)	3 (Dec 22)	0.5 (2)	0	N/A	0	N/A
Jack Snipe	0	N/A	1 (Feb 23)	0.11 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Kingfisher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Dec 22)	0.18 (1)	0	N/A
Knot*	0	N/A	14 (Feb 23)	1.56 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Lapwing**	0	N/A	333 (Feb 22)	45.56 (4)	0	N/A	0	N/A	15 (Jan 23)	3.13 (3)	105 (Jan 23)	14.91 (3)	150 (Oct 22)	37.64 (8)

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Lesser Black-backed Gull	0	N/A	2 (Jul 23)	0.22 (1)	0	N/A	0	N/A	1 (Aug 23)	0.13 (1)	0	N/A	0	N/A
Little Egret	0	N/A	40 (Feb 22)	4.78 (2)	0	N/A	0	N/A	2 (Mar 23)	0.25 (1)	1 (Mar 23)	0.09 (1)	4 (Sep 22)	0.91 (6)
Little Grebe	0	N/A	0	N/A	2 (Jan 23)	0.22 (3)	0	N/A	5 (Jul 23)	0.63 (1)	1 (Oct 22)	0.09 (1)	2 (Mar 23)	0.18 (1)
Long-tailed Duck	0	N/A	1 (Aug 23)	0.11 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.09 (1)
Mallard	12 (Feb 22)	1.55 (3)	6 (Jan 23)	1.11 (3)	3 (Mar 22)	0.17 (1)	0	N/A	24 (Aug 23)	8.75 (7)	9 (Mar 23)	1.73 (3)	20 (Dec 22)	6.27 (8)
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.63 (3)	1 (Nov 22)	0.09 (1)	1 (Jul 23)	0.09 (1)
Mute Swan	0	N/A	57 (Aug 23)	6.33 (1)	1 (Feb 23)	0.11 (2)	0	N/A	18 (Aug 23)	4.63 (3)	0	N/A	5 (Nov 22)	0.73 (2)

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Oystercatcher	150 (Sep 22)	14.55 (2)	154 (Feb 23)	65.89 (7)	0	N/A	0	N/A	2 (Mar 23)	0.25 (1)	2 (Mar 23)	0.27 (2)	4 (Aug 23)	1.45 (6)
Pintail	7 (Mar 22)	0.73 (2)	0	N/A	4 (Mar 22)	0.22 (1)	0	N/A	12 (Feb 23)	4.63 (5)	0	N/A	0	N/A
Pomarine Skua	4 (Aug 23)	0.36 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Razorbill	4 (Aug 23)	0.36 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Red-breasted Merganser	0	N/A	3 (Feb 23)	0.33 (1)	17 (Nov 22)	2.67 (5)	2 (Mar 22)	0.33 (3)	0	N/A	0	N/A	0	N/A
Redshank*	3 (Mar 22)	0.27 (1)	202 (Jan 23)	48.67 (6)	30 (Sep 22)	1.83 (3)	20 (Feb 23)	2.28 (3)	0	N/A	0	N/A	11 (Feb 23)	4.64 (10)
Red-throated Diver	0	N/A	5 (Jan 23)	0.56 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Sandwich Tern*	2 (Aug 23)	0.18 (1)	28 (Jul 23)	3.89 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Shag	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.09 (1)
Shelduck**	188 (Feb 22)	49.09 (8)	217 (Feb 22)	55 (9)	45 (Feb 23)	4.28 (5)	0	N/A	0	N/A	2 (Mar 23)	0.36 (2)	8 (Jul 23)	1.82 (6)
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	5 (Aug 23)	0.63 (1)	2 (May 23)	0.18 (1)	0	N/A
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.18 (1)	0	N/A
Spotted Redshank	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.18 (2)
Teal**	3 (Mar 22)	0.27 (1)	39 (Feb 22)	5.44 (3)	0	N/A	5 (Jan 23)	0.39 (2)	10 (Jan 23)	1.75 (3)	1 (Mar 23)	0.09 (1)	74 (Dec 22)	18.36 (7)

SPECIES <sup>43</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		9		18		18		8		11		11	
Tufted Duck	0	N/A	0	N/A	0	N/A	0	N/A	12 (Feb 23)	4 (4)	0	N/A	4 (Dec 22)	0.36 (1)
Turnstone*	0	N/A	4 (Jan 23)	0.44 (1)	4 (Feb 22)	0.33 (3)	0	N/A	0	N/A	0	N/A	0	N/A
Whimbrel	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.09 (1)
Wigeon**	4 (Jan 23)	0.36 (1)	28 (Jan 23)	3.11 (1)	8 (Jan 23)	0.44 (1)	0	N/A	9 (Aug 23)	2.88 (4)	0	N/A	166 (Dec 22)	19.45 (6)

Table 13A-22: Summary count data for Seal Sands count sectors (17, 17a, 21-22b) – High Tide

SPECIES <sup>44</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		13		8		8		8	
Avocet*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 22)	0.38 (2)
Black-headed Gull**	0	N/A	0	N/A	2 (Mar 23)	0.31 (3)	0	N/A	0	N/A	6 (Feb 22)	0.88 (2)
Common Sandpiper	0	N/A	0	N/A	1 (Aug 23)	0.08 (1)	0	N/A	0	N/A	0	N/A
Common Tern*	0	N/A	4 (Jul 23)	0.31 (1)	2 (Jul 23)	0.15 (1)	0	N/A	0	N/A	0	N/A
Coot	0	N/A	0	N/A	0	N/A	5 (Feb 22)	0.63 (1)	39 (Nov 23)	19.38 (7)	4 (Feb 22)	0.63 (2)
Cormorant**	1 (Oct 22)	0.08 (1)	0	N/A	1 (Oct 22)	0.08 (1)	0	N/A	0	N/A	0	N/A
Curlew	0	N/A	0	N/A	2 (Sep 22)	0.23 (2)	2 (Dec 22)	0.38 (2)	0	N/A	0	N/A
Dunlin	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Sep 23)	0.13 (1)

<sup>44</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>44</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		13		8		8		8	
Gadwall	0	N/A	0	N/A	7 (Jan 23)	0.54 (1)	0	N/A	34 (Nov 23)	8.5 (5)	0	N/A
Grey Heron	0	N/A	1 (Sep 22)	0.08 (1)	0	N/A	1 (Dec 22)	0.13 (1)	0	N/A	0	N/A
Herring Gull**	0	N/A	0	N/A	3 (Aug 23)	0.31 (2)	0	N/A	0	N/A	0	N/A
Kingfisher	0	N/A	0	N/A	1 (Nov 22)	0.08 (1)	0	N/A	0	N/A	0	N/A
Little Egret	0	N/A	0	N/A	1 (Nov 22)	0.15 (2)	0	N/A	0	N/A	1 (Feb 22)	0.25 (2)
Little Grebe	1 (Dec 22)	0.15 (2)	0	N/A	4 (Jan 23)	0.54 (3)	0	N/A	4 (Aug 23)	1.88 (6)	0	N/A
Mallard	4 (Feb 23)	0.31 (1)	8 (Jan 23)	0.92 (3)	20 (Jan 23)	3.08 (5)	0	N/A	10 (Nov 23)	3.13 (5)	6 (Feb 22)	0.88 (2)
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.5 (3)	1 (Mar 22)	0.13 (1)
Oystercatcher	9 (Feb 22)	0.69 (1)	0	N/A	2 (Mar 23)	0.31 (2)	0	N/A	0	N/A	0	N/A
Pintail	0	N/A	0	N/A	2 (Mar 22)	0.15 (1)	4 (Feb 22)	0.5 (1)	0	N/A	1 (Mar 22)	0.13 (1)
Pochard	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 22)	0.13 (1)	0	N/A



SPECIES <sup>44</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		13		13		8		8		8	
Red-breasted Merganser	0	N/A	0	N/A	6 (Jan 23)	0.46 (1)	0	N/A	0	N/A	0	N/A
Redshank*	0	N/A	2 (Oct 22)	0.31 (3)	6 (Sep 22)	1.38 (9)	0	N/A	0	N/A	0	N/A
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	49 (Nov 23)	11.13 (5)	18 (Feb 22)	2.25 (1)
Teal**	4 (Jan 23)	0.31 (1)	2 (Mar 22)	0.23 (2)	37 (Dec 22)	6.38 (4)	0	N/A	35 (Sep 23)	6.75 (4)	11 (Mar 22)	2.25 (3)
Tufted Duck	0	N/A	0	N/A	0	N/A	7 (Feb 22)	0.88 (1)	12 (Dec 23)	5.5 (7)	0	N/A
Wigeon**	0	N/A	0	N/A	7 (Dec 22)	0.85 (3)	0	N/A	0	N/A	6 (Feb 22)	0.75 (1)

Table 13A-23: Summary count data for Seal Sands count sectors (22c-23b) – High Tide

SPECIES <sup>45</sup>	COUNT SECTOR													
	22C		22D		22E		22F		23		23A		23B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	8		8		8		7		14		9		9	
Avocet*	0	N/A	0	N/A	2 (Mar 22)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Black-headed Gull**	0	N/A	0	N/A	11 (Dec 22)	1.75 (2)	0	N/A	0	N/A	9 (Feb 23)	1 (1)	0	N/A
Coot	2 (Mar 22)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Curlew	0	N/A	1 (Sep 23)	0.25 (2)	1 (Sep 23)	0.13 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Gadwall	22 (Sep 23)	2.75 (1)	0	N/A	10 (Mar 22)	2.38 (2)	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.22 (1)

<sup>45</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>45</sup>	COUNT SECTOR													
	22C		22D		22E		22F		23		23A		23B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	8		8		8		7		14		9		9	
Grey Heron	1 (Aug 23)	0.13 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Lapwing**	38 (Aug 23)	4.75 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Little Egret	2 (Sep 23)	0.38 (2)	1 (Aug 23)	0.25 (2)	6 (Aug 23)	1 (2)	3 (Aug 23)	0.43 (1)	0	N/A	0	N/A	1 (Apr 23)	0.11 (1)
Mallard	2 (Feb 22)	0.38 (2)	6 (Feb 22)	0.75 (1)	3 (Dec 22)	0.5 (2)	4 (Mar 22)	0.57 (1)	0	N/A	0	N/A	0	N/A
Red-breasted Merganser	0	N/A	0	N/A	2 (Mar 22)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Redshank*	1 (Mar 22)	0.13 (1)	3 (Sep 23)	0.88 (3)	1 (Mar 22)	0.5 (4)	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>45</sup>	COUNT SECTOR													
	22C		22D		22E		22F		23		23A		23B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	8		8		8		7		14		9		9	
Shelduck**	1 (Feb 22)	0.13 (1)	2 (Feb 22)	0.25 (1)	2 (Mar 22)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Shoveler**	2 (Feb 22)	0.25 (1)	3 (Feb 22)	0.38 (1)	10 (Mar 22)	2.5 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Teal**	26 (Nov 23)	4.88 (3)	57 (Nov 23)	9.25 (4)	37 (Nov 23)	6.63 (3)	0	N/A	0	N/A	0	N/A	0	N/A
Wigeon**	55 (Oct 23)	8 (3)	12 (Feb 22)	1.5 (1)	2 (Dec 22)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A

Table 13A-24: Summary count data for Seal Sands count sectors (23c-24) – High Tide

SPECIES <sup>46</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	9		15		9		9		9		8	
Avocet*	0	N/A	4 (Mar 22)	0.27 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Black-headed Gull**	0	N/A	1 (Jun 23)	0.07 (1)	0	N/A	0	N/A	2 (Jun 23)	0.22 (1)	25 (Jan 23)	5.13 (4)
Black-tailed Godwit	0	N/A	2 (Feb 23)	0.13 (1)	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.13 (1)
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	55 (Dec 22)	12.5 (5)
Common Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.13 (1)
Coot	0	N/A	1 (Mar 22)	0.07 (1)	0	N/A	0	N/A	0	N/A	18 (Jan 23)	4.88 (5)
Curlew	0	N/A	15 (Oct 23)	1.07 (2)	0	N/A	0	N/A	0	N/A	65 (Jan 23)	8.5 (3)
Dunlin	0	N/A	6 (Sep 23)	0.4 (1)	0	N/A	0	N/A	0	N/A	0	N/A

<sup>46</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>46</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	9		15		9		9		9		8	
Gadwall	0	N/A	3 (Feb 23)	0.33 (2)	0	N/A	0	N/A	0	N/A	185 (Aug 23)	23.13 (1)
Goldeneye	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (Jan 23)	1 (2)
Great Crested Grebe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	8 (Mar 23)	2 (4)
Grey Heron	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.22 (2)	2 (May 23)	0.25 (1)
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	10 (Mar 23)	3 (3)
Herring Gull**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Dec 22)	0.5 (2)
Knot*	0	N/A	1 (Sep 23)	0.07 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Lapwing**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	15 (Jan 23)	3.13 (3)
Lesser Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.13 (1)
Little Egret	0	N/A	4 (Sep 23)	0.53 (5)	0	N/A	1 (Apr 23)	0.11 (1)	1 (Mar 23)	0.22 (2)	2 (Mar 23)	0.25 (1)

SPECIES <sup>46</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	9		15		9		9		9		8	
Little Grebe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	5 (Jul 23)	0.63 (1)
Mallard	0	N/A	1 (Mar 22)	0.07 (1)	0	N/A	0	N/A	0	N/A	24 (Aug 23)	8.75 (7)
Moorhen	0	N/A	1 (Aug 23)	0.07 (1)	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.63 (3)
Mute Swan	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	18 (Aug 23)	4.63 (3)
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.25 (1)
Pintail	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	12 (Feb 23)	4.63 (5)
Redshank*	0	N/A	9 (Aug 23)	2.4 (6)	0	N/A	0	N/A	0	N/A	0	N/A
Shelduck**	0	N/A	1 (Jun 23)	0.07 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	5 (Aug 23)	0.63 (1)
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	4 (Jan 23)	0.89 (2)	0	N/A

SPECIES <sup>46</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	9		15		9		9		9		8	
Teal**	0	N/A	20 (Feb 23)	3.33 (5)	0	N/A	0	N/A	0	N/A	10 (Jan 23)	1.75 (3)
Tufted Duck	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	12 (Feb 23)	4 (4)
Water Rail	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jun 23)	0.22 (1)	0	N/A
Wigeon**	0	N/A	5 (Sep 23)	0.47 (2)	0	N/A	0	N/A	0	N/A	9 (Aug 23)	2.88 (4)



Table 13A-25: Summary count data for Seal Sands count sectors (2-9, 25) – Low Tide

SPECIES <sup>47</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		19		11		11		7		10		11		10	
<b>Black-headed Gull**</b>	2 (Jul 23)	0.13 (1)	1 (Nov 22)	0.11 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	54 (Aug 23)	8.7 (9)
<b>Cormorant**</b>	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	16 (Aug 23)	2 (4)
<b>Curlew</b>	0	N/A	1 (Dec 22)	0.11 (2)	0	N/A	14 (Mar 22)	2.09 (3)	0	N/A	58 (Mar 22)	6.7 (5)	3 (Mar 22)	0.27 (1)	3 (Dec 23)	0.7 (4)
<b>Dunlin</b>	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (Sep 23)	0.7 (3)
<b>Great Black-backed Gull</b>	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 23)	0.1 (1)
<b>Grey Heron</b>	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Oct 23)	0.2 (1)

<sup>47</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>47</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		19		11		11		7		10		11		10	
Herring Gull**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	8 (Aug 23)	3.2 (7)
Kingfisher	0	N/A	1 (Nov 22)	0.05 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Lapwing**	4 (Jul 23)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	35 (Dec 23)	4.9 (3)
Lesser Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (Oct 23)	0.6 (3)
Little Egret	0	N/A	1 (Dec 22)	0.05 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Mallard	1 (May 23)	0.06 (1)	2 (Jun 23)	0.11 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Oystercatcher	1 (Jul 23)	0.06 (1)	2 (Mar 22)	0.16 (2)	0	N/A	0	N/A	0	N/A	3 (Mar 22)	0.6 (3)	0	N/A	17 (Aug 23)	7.5 (7)

SPECIES <sup>47</sup>	COUNT SECTOR															
	2		4		5		6		7		8		9		25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	16		19		11		11		7		10		11		10	
Redshank*	9 (Jul 23)	0.56 (1)	35 (Mar 22)	3.32 (8)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	20 (Nov 23)	4.6 (6)
Shelduck**	0	N/A	6 (Mar 22)	0.42 (2)	0	N/A	0	N/A	0	N/A	2 (Mar 22)	0.2 (1)	0	N/A	7 (Jun 23)	1.5 (3)
Teal**	0	N/A	12 (Mar 23)	0.84 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Turnstone*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 23)	0.1 (1)

Table 13A-26: Summary count data for Seal Sands count sectors (18-20, 24, G4, G5) – Low Tide

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Avocet*	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.1 (1)	1 (May 23)	0.11 (1)	0	N/A	14 (Mar 23)	1.62 (5)
Bar-tailed Godwit	7 (Mar 22)	0.57 (2)	20 (Mar 22)	1.67 (1)	22 (Dec 22)	2.38 (6)	37 (Jan 23)	5.57 (11)	0	N/A	0	N/A	0	N/A
Black-headed Gull**	54 (Feb 22)	8.71 (10)	9 (Jul 23)	1.58 (4)	31 (Aug 23)	6.95 (16)	54 (Aug 23)	12.43 (12)	3 (Apr 23)	0.67 (3)	1 (May 23)	0.07 (1)	9 (Sep 22)	2.31 (9)
Black-tailed Godwit	2 (Mar 22)	0.14 (1)	0	N/A	11 (Nov 22)	2.38 (9)	18 (Jan 23)	4.57 (8)	0	N/A	0	N/A	0	N/A
Brent Goose (Dark-bellied)	1 (Mar 22)	0.07 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	50 (Jan 23)	10.11 (4)	6 (Nov 22)	0.71 (2)	0	N/A

<sup>48</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Common Gull	8 (Mar 22)	2.14 (6)	1 (Mar 22)	0.08 (1)	3 (Dec 22)	0.19 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Common Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jul 23)	0.15 (1)
Common Tern*	2 (Aug 23)	0.14 (1)	7 (Aug 23)	0.92 (2)	2 (May 23)	0.1 (1)	0	N/A	0	N/A	0	N/A	2 (May 23)	0.23 (2)
Coot	0	N/A	0	N/A	0	N/A	0	N/A	102 (Aug 23)	15.89 (7)	3 (Jan 23)	0.21 (1)	2 (Mar 23)	0.23 (2)
Cormorant**	51 (Feb 22)	3.86 (3)	15 (Jun 23)	1.75 (3)	5 (Jul 23)	0.48 (3)	6 (Feb 22)	1.05 (5)	1 (May 23)	0.11 (1)	0	N/A	0	N/A
Curlew	71 (Mar 22)	23.79 (11)	17 (Mar 22)	3.17 (5)	27 (Mar 22)	11.43 (20)	42 (Mar 23)	11 (18)	10 (Feb 23)	1.67 (2)	65 (Mar 23)	10.36 (5)	9 (Aug 23)	2 (4)
Dunlin	78 (Mar 22)	12.36 (4)	5 (Mar 22)	0.42 (1)	284 (Dec 22)	51.62 (14)	305 (Jan 23)	47.33 (10)	0	N/A	0	N/A	1 (Mar 23)	0.08 (1)

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Eider	0	N/A	2 (Jun 23)	0.17 (1)	0	N/A	2 (May 23)	0.1 (1)	0	N/A	0	N/A	0	N/A
Gadwall	0	N/A	0	N/A	0	N/A	0	N/A	86 (Aug 23)	10.44 (4)	1 (May 23)	0.07 (1)	14 (Nov 22)	2.31 (4)
Great Black-backed Gull	0	N/A	1 (Aug 23)	0.08 (1)	0	N/A	2 (Aug 23)	0.1 (1)	0	N/A	0	N/A	0	N/A
Goldeneye	0	N/A	0	N/A	0	N/A	0	N/A	3 (Feb 23)	0.33 (1)	0	N/A	0	N/A
Golden Plover	0	N/A	44 (Aug 23)	3.67 (1)	4 (Oct 22)	0.19 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Great Crested Grebe	0	N/A	0	N/A	0	N/A	2 (Mar 22)	0.1 (1)	7 (Mar 23)	2.22 (5)	0	N/A	0	N/A
Great Egret	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.33 (2)	0	N/A	0	N/A

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Grey Heron	0	N/A	7 (Aug 23)	0.75 (3)	0	N/A	0	N/A	2 (May 23)	0.44 (3)	0	N/A	1 (Sep 22)	0.31 (4)
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	20 (Jan 23)	4.44 (6)	21 (Nov 22)	2.36 (5)	2 (Nov 22)	0.15 (1)
Grey Plover	18 (Jan 23)	1.71 (3)	0	N/A	67 (Mar 22)	7.29 (11)	50 (Jan 23)	6.71 (10)	0	N/A	0	N/A	0	N/A
Guillemot	0	N/A	0	N/A	0	N/A	5 (Sep 22)	0.24 (1)	0	N/A	0	N/A	0	N/A
Herring Gull**	274 (Mar 22)	46.93 (9)	78 (Feb 23)	17.08 (6)	30 (Feb 23)	8.33 (16)	70 (Jun 23)	17.71 (15)	0	N/A	0	N/A	0	N/A
Kingfisher	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.05 (1)	0	N/A	0	N/A	0	N/A
Kittiwake	0	N/A	6 (Jun 23)	0.5 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Knot*	5 (Feb 22)	1 (3)	2 (Aug 23)	0.17 (1)	44 (Jan 23)	4.24 (7)	77 (Mar 23)	12.38 (7)	0	N/A	0	N/A	0	N/A

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Lapwing**	0	N/A	220 (Jan 23)	29.33 (5)	4 (Dec 22)	0.19 (1)	0	N/A	35 (Jan 23)	5.11 (4)	15 (Dec 22)	1.64 (4)	28 (Dec 22)	6 (5)
Lesser Black-backed Gull	1 (Mar 22)	0.07 (1)	0	N/A	0	N/A	2 (Feb 22)	0.1 (1)	2 (Aug 23)	0.33 (2)	0	N/A	0	N/A
Little Egret	2 (Jun 23)	0.21 (2)	0	N/A	1 (Oct 22)	0.05 (1)	0	N/A	2 (Mar 23)	0.44 (3)	1 (Jan 23)	0.21 (3)	1 (Sep 22)	0.23 (3)
Little Grebe	0	N/A	0	N/A	1 (Dec 22)	0.05 (1)	2 (Nov 22)	0.14 (2)	0	N/A	0	N/A	2 (Mar 23)	0.31 (3)
Little Ringed Plover	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.23 (2)
Mallard	8 (Jan 23)	0.86 (3)	0	N/A	4 (Dec 22)	0.19 (1)	9 (Mar 22)	0.43 (1)	17 (Aug 23)	5.67 (7)	8 (Mar 23)	0.86 (2)	22 (Nov 22)	4.46 (9)
Marsh Harrier	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.07 (1)	0	N/A



SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	4 (Aug 23)	1.11 (3)	0	N/A	2 (Jun 23)	0.38 (4)
Mute Swan	0	N/A	0	N/A	0	N/A	0	N/A	27 (Jul 23)	5.56 (5)	2 (Sep 22)	0.14 (1)	3 (Nov 22)	0.23 (1)
Oystercatcher	198 (Jan 23)	69 (10)	150 (Mar 22)	22.75 (6)	48 (Mar 23)	13.86 (17)	40 (Mar 23)	14.1 (18)	2 (Mar 23)	0.22 (1)	3 (May 23)	0.21 (1)	2 (Mar 23)	0.54 (4)
Pintail	0	N/A	5 (Mar 22)	0.42 (1)	0	N/A	0	N/A	12 (Mar 23)	2.67 (4)	0	N/A	1 (May 23)	0.08 (1)
Pochard	0	N/A	0	N/A	0	N/A	0	N/A	10 (Jan 23)	1.11 (1)	0	N/A	0	N/A
Red-breasted Merganser	7 (Mar 22)	0.93 (3)	1 (Jan 23)	0.17 (2)	11 (Mar 22)	0.9 (5)	4 (Feb 22)	0.67 (5)	0	N/A	0	N/A	0	N/A
Redshank*	60 (Mar 22)	10.29 (8)	139 (Mar 22)	15 (7)	141 (Dec 22)	41.86 (18)	127 (Nov 22)	33.48 (16)	0	N/A	1 (May 23)	0.07 (1)	7 (Mar 23)	1.92 (6)

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Ringed Plover	2 (Feb 22)	0.29 (2)	0	N/A	12 (Aug 23)	1.71 (6)	2 (Mar 23)	0.1 (1)	0	N/A	0	N/A	0	N/A
Sandwich Tern*	29 (Jun 23)	2.07 (1)	29 (Aug 23)	3.83 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Shag	3 (Feb 22)	0.21 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Shelduck**	206 (Mar 22)	85.64 (13)	102 (Feb 23)	9.17 (3)	45 (Feb 23)	18.19 (18)	12 (Mar 22)	3.86 (14)	0	N/A	2 (Mar 23)	0.14 (1)	4 (May 23)	0.69 (3)
Shoveler**	0	N/A	0	N/A	15 (Dec 22)	1.29 (2)	0	N/A	7 (Jul 23)	1.22 (3)	0	N/A	0	N/A
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.07 (1)	1 (Dec 22)	0.08 (1)
Spotted Redshank	1 (Feb 22)	0.07 (1)	0	N/A	1 (Mar 22)	0.1 (2)	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.08 (1)

SPECIES <sup>48</sup>	COUNT SECTOR													
	18		18A		19		20		24		G4		G5	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		12		21		21		9		14		13	
Teal**	0	N/A	5 (Mar 22)	0.67 (2)	66 (Dec 22)	5.33 (8)	6 (Mar 22)	0.33 (2)	10 (Jan 23)	2.22 (3)	0	N/A	31 (Dec 22)	5.69 (6)
Tufted Duck	0	N/A	0	N/A	0	N/A	0	N/A	20 (Jun 23)	6.22 (4)	0	N/A	1 (May 23)	0.08 (1)
Turnstone*	4 (Feb 22)	0.86 (4)	6 (Mar 22)	0.75 (3)	8 (Aug 23)	0.62 (4)	0	N/A	0	N/A	0	N/A	0	N/A
Whimbrel	0	N/A	0	N/A	1 (Apr 23)	0.05 (1)	0	N/A	0	N/A	7 (Apr 23)	0.5 (1)	0	N/A
Wigeon**	0	N/A	0	N/A	67 (Oct 22)	3.52 (2)	0	N/A	26 (Jul 23)	4.44 (3)	0	N/A	76 (Oct 22)	9.69 (3)

Table 13A-27: Summary count data for Seal Sands count sectors (17, 17a, 21-22b) – Low Tide

SPECIES <sup>49</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	17		18		18		8		8		8	
Black-headed Gull**	30 (Nov 22)	3.47 (7)	2 (Mar 22)	0.39 (5)	9 (Mar 22)	1.11 (8)	1 (Dec 23)	0.13 (1)	0	N/A	0	N/A
Common Tern*	1 (Jun 23)	0.12 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Coot	0	N/A	0	N/A	0	N/A	0	N/A	40 (Nov 23)	18.88 (8)	0	N/A
Cormorant**	1 (Nov 22)	0.12 (2)	0	N/A	1 (Dec 22)	0.11 (2)	0	N/A	0	N/A	0	N/A
Curlew	1 (Mar 22)	0.18 (3)	2 (Dec 22)	0.22 (3)	2 (Mar 22)	0.78 (10)	1 (Feb 22)	0.25 (2)	0	N/A	0	N/A
Gadwall	4 (Dec 22)	0.24 (1)	0	N/A	0	N/A	0	N/A	26 (Nov 23)	4.88 (5)	0	N/A

<sup>49</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>49</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	17		18		18		8		8		8	
Great Egret	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 23)	0.13 (1)
Grey Heron	1 (Dec 22)	0.12 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Herring Gull**	4 (Aug 23)	0.71 (7)	0	N/A	21 (Sep 22)	3.44 (13)	0	N/A	0	N/A	0	N/A
Lapwing**	0	N/A	0	N/A	1 (Dec 22)	0.11 (2)	0	N/A	0	N/A	0	N/A
Little Egret	3 (Aug 23)	0.24 (2)	0	N/A	2 (Oct 22)	0.33 (4)	0	N/A	0	N/A	1 (Oct 23)	0.13 (1)
Little Grebe	0	N/A	0	N/A	3 (Nov 22)	0.28 (3)	0	N/A	7 (Aug 23)	2.25 (5)	0	N/A
Long-tailed Duck	0	N/A	0	N/A	1 (Oct 22)	0.06 (1)	0	N/A	0	N/A	0	N/A

SPECIES <sup>49</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	17		18		18		8		8		8	
Mallard	3 (Dec 22)	0.18 (1)	2 (Mar 22)	0.11 (1)	15 (Dec 22)	1.61 (3)	0	N/A	8 (Aug 23)	1.75 (3)	0	N/A
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.5 (3)	0	N/A
Oystercatcher	3 (Nov 22)	0.47 (5)	5 (Mar 22)	0.28 (1)	3 (Feb 23)	0.61 (7)	0	N/A	0	N/A	0	N/A
Pintail	0	N/A	0	N/A	0	N/A	0	N/A	5 (Feb 22)	1 (2)	0	N/A
Red-breasted Merganser	19 (Dec 22)	1.12 (1)	0	N/A	7 (Dec 22)	0.61 (3)	0	N/A	0	N/A	0	N/A
Redshank*	2 (Nov 22)	0.29 (3)	6 (Jan 23)	1.22 (10)	5 (Mar 22)	2.11 (12)	0	N/A	0	N/A	1 (Mar 22)	0.13 (1)
Ringed Plover	0	N/A	1 (Dec 22)	0.06 (1)	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>49</sup>	COUNT SECTOR											
	17		17A		21		22		22A		22B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	17		18		18		8		8		8	
Shelduck**	0	N/A	2 (Jun 23)	0.11 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	12 (Oct 23)	1.75 (2)	4 (Feb 22)	0.5 (1)
Spotted Redshank	0	N/A	6 (Mar 22)	0.39 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Teal**	2 (Dec 22)	0.12 (1)	15 (Dec 22)	1.61 (6)	85 (Feb 23)	10.22 (6)	0	N/A	3 (Feb 22)	0.63 (2)	5 (Feb 22)	0.63 (1)
Tufted Duck	0	N/A	0	N/A	0	N/A	0	N/A	16 (Feb 22)	8.5 (8)	0	N/A
Wigeon**	0	N/A	0	N/A	12 (Sep 22)	1.56 (5)	0	N/A	1 (Sep 23)	0.13 (1)	2 (Feb 22)	0.25 (1)

Table 13A-28: Summary count data for Seal Sands count sectors (22c-23b) – Low Tide

SPECIES <sup>50</sup>	COUNT SECTOR													
	22C		22D		22E		22F		23		23A		23B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	8		8		7		7		16		11		11	
Avocet*	2 (Mar 22)	0.25 (1)	8 (Mar 22)	1 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Black-headed Gull**	3 (Mar 22)	1 (4)	1 (Sep 23)	0.25 (2)	2 (Oct 23)	0.71 (4)	0	N/A	0	N/A	0	N/A	0	N/A
Coot	2 (Aug 23)	0.38 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Curlew	0	N/A	1 (Sep 23)	0.25 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Gadwall	14 (Oct 23)	1.75 (1)	8 (Feb 22)	1 (1)	12 (Feb 22)	1.71 (1)	0	N/A	0	N/A	0	N/A	0	N/A

<sup>50</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.



SPECIES <sup>50</sup>	COUNT SECTOR													
	22C		22D		22E		22F		23		23A		23B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	8		8		7		7		16		11		11	
Grey Heron	1 (Aug 23)	0.25 (2)	0	N/A	1 (Sep 23)	0.14 (1)	0	N/A	1 (Feb 22)	0.13 (2)	0	N/A	0	N/A
Kingfisher	0	N/A	0	N/A	1 (Sep 23)	0.14 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Lapwing**	24 (Aug 23)	3 (1)	53 (Aug 23)	6.63 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Little Egret	0	N/A	1 (Mar 22)	0.38 (3)	2 (Sep 23)	0.43 (2)	1 (Nov 23)	0.14 (1)	0	N/A	0	N/A	0	N/A
Little Grebe	1 (Aug 23)	0.25 (2)	0	N/A	4 (Oct 23)	0.57 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Mallard	1 (Feb 22)	0.13 (1)	3 (Oct 23)	1 (3)	3 (Feb 22)	1 (3)	0	N/A	0	N/A	0	N/A	0	N/A
Moorhen	0	N/A	0	N/A	2 (Mar 22)	0.43 (2)	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>50</sup>	COUNT SECTOR													
	22C		22D		22E		22F		23		23A		23B	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	8		8		7		7		16		11		11	
Pintail	5 (Feb 22)	0.75 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Redshank*	0	N/A	2 (Oct 23)	0.63 (3)	1 (Mar 22)	0.14 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Shelduck**	0	N/A	2 (Feb 22)	0.38 (2)	2 (Mar 22)	0.29 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Shoveler**	26 (Feb 22)	3.75 (2)	0	N/A	17 (Mar 22)	2.86 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Teal**	8 (Feb 22)	3.63 (4)	8 (Sep 23)	1.25 (2)	11 (Mar 22)	2.71 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Whooper Swan	20 (Oct 23)	2.5 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Wigeon**	35 (Oct 23)	8.38 (4)	5 (Feb 22)	0.63 (1)	3 (Feb 22)	0.71 (2)	0	N/A	0	N/A	0	N/A	0	N/A

Table 13A-29: Summary count data for Seal Sands count sectors (23c-24) – Low Tide

SPECIES <sup>51</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		17		11		11		11		9	
Avocet*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.11 (1)
Black-headed Gull**	0	N/A	2 (Feb 22)	0.12 (1)	0	N/A	0	N/A	15 (Feb 22)	2.09 (3)	3 (Apr 23)	0.67 (3)
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	50 (Jan 23)	10.11 (4)
Coot	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	102 (Aug 23)	15.89 (7)
Cormorant**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.11 (1)
Curlew	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	10 (Feb 23)	1.67 (2)
Gadwall	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	86 (Aug 23)	10.44 (4)

<sup>51</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>51</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		17		11		11		11		9	
Goldeneye	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Feb 23)	0.33 (1)
Great Crested Grebe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	7 (Mar 23)	2.22 (5)
Great Egret	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.33 (2)
Grey Heron	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.09 (1)	2 (May 23)	0.44 (3)
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	20 (Jan 23)	4.44 (6)
Lapwing**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	35 (Jan 23)	5.11 (4)
Lesser Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.33 (2)
Little Egret	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.36 (4)	2 (Mar 23)	0.44 (3)
Mallard	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	17 (Aug 23)	5.67 (7)
Moorhen	0	N/A	1 (Apr 23)	0.06 (1)	0	N/A	0	N/A	0	N/A	4 (Aug 23)	1.11 (3)

SPECIES <sup>51</sup>	COUNT SECTOR											
	23C		23D		23E		23F		23G		24	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		17		11		11		11		9	
Mute Swan	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	27 (Jul 23)	5.56 (5)
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.22 (1)
Pintail	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	12 (Mar 23)	2.67 (4)
Pochard	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	10 (Jan 23)	1.11 (1)
Redshank*	0	N/A	6 (Feb 22)	0.47 (3)	0	N/A	0	N/A	0	N/A	0	N/A
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	7 (Jul 23)	1.22 (3)
Snipe	0	N/A	1 (Feb 22)	0.06 (1)	0	N/A	0	N/A	6 (Jan 23)	0.55 (1)	0	N/A
Teal**	0	N/A	6 (Mar 22)	0.94 (4)	0	N/A	0	N/A	0	N/A	10 (Jan 23)	2.22 (3)
Tufted Duck	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	20 (Jun 23)	6.22 (4)
Wigeon**	0	N/A	4 (Feb 22)	0.24 (1)	0	N/A	0	N/A	0	N/A	26 (Jul 23)	4.44 (3)

Table 13A-30: Summary count data for North Tees Marshes count sectors (Cowpen Bewley) – High Tide

SPECIES <sup>52</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		11		11		11		11		11		12	
Black-headed Gull**	2 (May 23)	0.33 (3)	0	N/A	0	N/A	0	N/A	0	N/A	10 (May 23)	0.91 (1)	71 (Dec 22)	11.83 (2)
Canada Goose	60 (Dec 22)	5.67 (2)	0	N/A	7 (Mar 23)	0.64 (1)	2 (Feb 23)	0.36 (2)	8 (Dec 22)	1 (2)	26 (Sep 23)	3 (3)	0	N/A
Coot	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.18 (1)	0	N/A
Curlew	75 (Jan 23)	8 (4)	1 (Nov 22)	0.09 (1)	0	N/A	0	N/A	30 (Dec 22)	2.73 (1)	81 (Jan 23)	7.64 (3)	0	N/A
Gadwall	4 (Mar 23)	0.33 (1)	0	N/A	0	N/A	0	N/A	0	N/A	4 (May 23)	0.36 (1)	0	N/A

<sup>52</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>52</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		11		11		11		11		11		12	
Green Sandpiper	1 (Sep 23)	0.17 (2)	0	N/A	0	N/A	0	N/A	0	N/A	2 (Feb 23)	0.27 (2)	0	N/A
Grey Heron	1 (Sep 22)	0.08 (1)	2 (Mar 23)	0.36 (3)	2 (Sep 23)	0.36 (3)	1 (Sep 23)	0.09 (1)	0	N/A	1 (Feb 23)	0.18 (2)	0	N/A
Greylag Goose	5 (May 23)	0.42 (1)	2 (May 23)	0.18 (1)	35 (Mar 23)	3.18 (1)	99 (Feb 23)	9.82 (3)	38 (Dec 22)	5.45 (2)	10 (Jul 23)	0.91 (1)	0	N/A
Lapwing**	58 (Sep 23)	6.58 (6)	0	N/A	0	N/A	0	N/A	240 (Jan 23)	21.91 (2)	57 (Jan 23)	16.91 (8)	50 (Dec 22)	8.33 (2)
Little Egret	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jun 23)	0.09 (1)	1 (Sep 23)	0.09 (1)	0	N/A
Mallard	15 (Sep 23)	2.92 (3)	2 (May 23)	0.18 (1)	2 (Mar 23)	0.27 (2)	2 (Jan 23)	0.36 (2)	3 (May 23)	0.64 (3)	23 (Nov 22)	4.55 (5)	2 (Feb 23)	0.33 (2)
Marsh Harrier	0	N/A	1 (Jan 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>52</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		11		11		11		11		11		12	
Mute Swan	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.09 (1)	0	N/A
Pink-footed Goose	0	N/A	0	N/A	3 (Mar 23)	0.27 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Redshank*	1 (Dec 22)	0.17 (2)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.09 (1)	1 (Dec 22)	0.17 (2)
Ruff*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	8 (Sep 23)	0.73 (1)	0	N/A
Shelduck**	0	N/A	0	N/A	2 (Mar 23)	0.18 (1)	0	N/A	0	N/A	2 (May 23)	0.18 (1)	0	N/A
Shoveler**	1 (May 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	4 (May 23)	0.64 (2)	1 (May 23)	0.08 (1)
Snipe	10 (Sep 23)	1.08 (2)	12 (Jan 23)	1.27 (3)	16 (Dec 22)	1.55 (2)	1 (Jan 23)	0.09 (1)	1 (Sep 23)	0.09 (1)	1 (Sep 23)	0.09 (1)	1 (Jan 23)	0.08 (1)



SPECIES <sup>52</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		11		11		11		11		11		12	
Teal**	30 (Dec 22)	7.58 (5)	0	N/A	70 (Dec 22)	7.64 (2)	6 (Feb 23)	0.55 (1)	50 (Dec 22)	4.64 (2)	76 (Sep 23)	16.82 (4)	3 (Mar 23)	0.25 (1)
Tufted Duck	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.18 (1)	0	N/A
Wigeon**	70 (Dec 22)	5.83 (1)	0	N/A	20 (Dec 22)	1.82 (1)	0	N/A	0	N/A	75 (Nov 22)	6.82 (1)	0	N/A
Woodcock	0	N/A	0	N/A	1 (Dec 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A

Table 13A-31: Summary count data for North Tees Marshes count sectors (G2, G6, B7, B8) – High Tide

SPECIES <sup>53</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		12		10		10	
Avocet*	4 (May 23)	0.54 (3)	1 (May 23)	0.08 (1)	8 (Mar 23)	1.33 (4)	0	N/A	0	N/A
Barnacle Goose	154 (Oct 22)	11.85 (1)	7 (Dec 22)	0.58 (1)	0	N/A	0	N/A	0	N/A
Bar-tailed Godwit	0	N/A	0	N/A	1 (Nov 22)	0.08 (1)	0	N/A	0	N/A
Black-headed Gull**	58 (Mar 23)	6.54 (5)	31 (Apr 23)	4.75 (5)	24 (Jul 23)	3.75 (9)	5 (Apr 23)	0.6 (2)	0	N/A
Black-tailed Godwit	12 (May 23)	0.92 (1)	0	N/A	3 (Nov 22)	0.58 (3)	0	N/A	0	N/A
Canada Goose	147 (Oct 22)	15.46 (4)	50 (May 23)	15.5 (8)	2 (Feb 23)	0.17 (1)	0	N/A	1 (Nov 22)	0.1 (1)
Common Tern*	2 (May 23)	0.15 (1)	18 (May 23)	1.5 (1)	2 (Jun 23)	0.25 (2)	0	N/A	0	N/A
Coot	0	N/A	80 (Feb 23)	9.08 (6)	4 (Dec 22)	0.5 (2)	20 (Aug 23)	5.7 (8)	12 (Nov 22)	2.4 (7)
Cormorant**	2 (Dec 22)	0.15 (1)	20 (Apr 23)	1.67 (1)	0	N/A	0	N/A	0	N/A

<sup>53</sup> Species in bold are SSSI qualifying species, \* means individual qualifying species of SPA, \*\* means assemblage qualifying species of SPA, figures in bold denote where 1% of the SPA qualifying population is exceeded.

SPECIES <sup>53</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		12		10		10	
Curlew	70 (Dec 22)	6.54 (5)	80 (Jan 23)	14.08 (7)	91 (Aug 23)	17.75 (9)	2 (Feb 23)	0.3 (2)	0	N/A
Dunlin	16 (May 23)	1.23 (1)	0	N/A	71 (Sep 22)	6.67 (4)	0	N/A	0	N/A
Egyptian Goose	8 (Jul 23)	0.85 (3)	3 (Nov 22)	0.25 (1)	0	N/A	0	N/A	0	N/A
Gadwall	20 (May 23)	1.85 (2)	28 (Feb 23)	4.25 (5)	2 (Nov 22)	0.17 (1)	14 (Jul 23)	4 (6)	7 (Nov 22)	0.9 (2)
Garganey	2 (May 23)	0.15 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Goldeneye	0	N/A	0	N/A	0	N/A	3 (Feb 23)	0.5 (2)	3 (Dec 22)	0.5 (3)
Golden Plover	8 (Dec 22)	0.62 (1)	1 (Oct 22)	0.08 (1)	0	N/A	0	N/A	0	N/A
Great Crested Grebe	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.3 (2)	1 (Mar 23)	0.1 (1)
Great Egret	0	N/A	1 (Mar 23)	0.08 (1)	0	N/A	0	N/A	0	N/A
Greenshank	1 (May 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Grey Heron	0	N/A	3 (May 23)	0.83 (5)	0	N/A	1 (Feb 23)	0.3 (3)	1 (Nov 22)	0.3 (3)
Greylag Goose	8 (Oct 22)	0.77 (2)	42 (Nov 22)	13.5 (9)	2 (Mar 23)	0.17 (1)	0	N/A	1 (Nov 22)	0.1 (1)

SPECIES <sup>53</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		12		10		10	
Grey Plover	0	N/A	0	N/A	4 (Nov 22)	0.42 (2)	0	N/A	0	N/A
Herring Gull**	0	N/A	0	N/A	2 (Apr 23)	0.42 (4)	0	N/A	1 (Apr 23)	0.1 (1)
Lapwing**	200 (Jan 23)	20.77 (5)	183 (Oct 22)	30.92 (10)	172 (Aug 23)	16.83 (4)	4 (Apr 23)	0.9 (3)	0	N/A
Lesser Black-backed Gull	2 (Mar 23)	0.15 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Little Egret	0	N/A	4 (Jul 23)	1.17 (8)	7 (Oct 22)	1.83 (7)	1 (Jul 23)	0.2 (2)	0	N/A
Little Grebe	0	N/A	1 (Sep 22)	0.17 (2)	3 (Feb 23)	0.25 (1)	1 (Jan 23)	0.2 (2)	0	N/A
Mallard	4 (Jun 23)	0.38 (2)	17 (May 23)	5.75 (6)	21 (Sep 22)	4.5 (6)	20 (Jan 23)	4.4 (5)	2 (Jan 23)	0.4 (2)
Marsh Harrier	0	N/A	2 (Dec 22)	0.33 (2)	0	N/A	0	N/A	0	N/A
Moorhen	0	N/A	6 (Dec 22)	1 (5)	3 (Jan 23)	0.42 (2)	0	N/A	0	N/A
Mute Swan	0	N/A	2 (Sep 22)	0.58 (5)	0	N/A	1 (May 23)	0.2 (2)	0	N/A
Oystercatcher	1 (May 23)	0.08 (1)	4 (Mar 23)	0.5 (2)	7 (Jul 23)	0.92 (3)	0	N/A	0	N/A

SPECIES <sup>53</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		12		10		10	
Pink-footed Goose	0	N/A	1 (Feb 23)	0.08 (1)	0	N/A	0	N/A	0	N/A
Pintail	1 (Feb 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Pochard	0	N/A	15 (Feb 23)	1.92 (2)	0	N/A	41 (Jun 23)	11.6 (10)	4 (Mar 23)	0.8 (4)
Razorbill	0	N/A	0	N/A	1 (Aug 23)	0.08 (1)	0	N/A	0	N/A
Redshank*	4 (May 23)	0.38 (2)	2 (Dec 22)	0.42 (3)	40 (Sep 22)	15.08 (9)	0	N/A	0	N/A
Red-throated Diver	0	N/A	0	N/A	53 (Nov 22)	4.42 (1)	0	N/A	0	N/A
Ringed Plover	0	N/A	0	N/A	1 (Dec 22)	0.08 (1)	0	N/A	0	N/A
Ruff*	3 (May 23)	0.23 (1)	0	N/A	3 (Sep 22)	0.25 (1)	0	N/A	0	N/A
Shag	0	N/A	0	N/A	1 (Nov 22)	0.08 (1)	0	N/A	0	N/A
Shelduck**	27 (May 23)	5.38 (5)	2 (Mar 23)	0.33 (2)	11 (Jul 23)	2.92 (5)	0	N/A	2 (May 23)	0.2 (1)
Shoveler**	27 (Feb 23)	6.31 (6)	10 (May 23)	1 (2)	0	N/A	2 (May 23)	0.2 (1)	2 (May 23)	0.3 (2)
Snipe	0	N/A	0	N/A	57 (Nov 22)	4.83 (2)	0	N/A	1 (Feb 23)	0.1 (1)

SPECIES <sup>53</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	13		12		12		10		10	
Spotted Redshank	0	N/A	0	N/A	1 (Mar 23)	0.08 (1)	0	N/A	0	N/A
Teal**	41 (Mar 23)	8.23 (7)	12 (Feb 23)	1.5 (2)	106 (Dec 22)	29.33 (7)	48 (Nov 22)	9.3 (7)	1 (Feb 23)	0.2 (2)
Temminck's Stint	1 (May 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Tufted Duck	0	N/A	2 (May 23)	0.17 (1)	0	N/A	7 (Jan 23)	2.8 (7)	9 (Jul 23)	2.6 (6)
Turnstone*	0	N/A	7 (Nov 22)	0.58 (1)	0	N/A	0	N/A	0	N/A
White-fronted Goose	0	N/A	1 (Mar 23)	0.08 (1)	0	N/A	0	N/A	0	N/A
Whooper Swan	1 (Oct 22)	0.08 (1)	0	N/A	135 (Nov 22)	11.25 (1)	0	N/A	0	N/A
Wigeon**	222 (Feb 23)	17.54 (2)	110 (Feb 23)	15 (2)	188 (Dec 22)	27.75 (5)	59 (Dec 22)	10.7 (3)	4 (Feb 23)	0.4 (1)

Table 13A-32: Summary count data for North Tees Marshes count sectors (B9-B15) – High Tide

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Avocet*	0	N/A	2 (Mar 23)	0.18 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Oct 22)	0.09 (1)
Black-headed Gull**	1 (May 23)	0.1 (1)	31 (Nov 22)	4.55 (4)	36 (Aug 23)	7.3 (6)	61 (Mar 23)	11.6 (6)	0	N/A	36 (Mar 23)	3.9 (2)	60 (Jul 23)	13.64 (9)
Black-tailed Godwit	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	63 (Dec 22)	16.45 (4)
Canada Goose	0	N/A	44 (Nov 22)	8.27 (4)	0	N/A	0	N/A	0	N/A	0	N/A	8 (Jun 23)	0.73 (1)
Common Gull	0	N/A	7 (Jan 23)	0.64 (1)	0	N/A	87 (Feb 23)	9.3 (3)	0	N/A	0	N/A	4 (Dec 22)	0.55 (3)
Common Sandpiper	0	N/A	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.18 (2)

<sup>54</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Common Tern*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.18 (1)
Coot	0	N/A	27 (Sep 22)	5.82 (6)	7 (Jul 23)	1.5 (4)	18 (Aug 23)	3.5 (4)	0	N/A	0	N/A	0	N/A
Cormorant**	0	N/A	0	N/A	4 (Jun 23)	0.6 (2)	0	N/A	0	N/A	0	N/A	3 (Aug 23)	0.64 (4)
Curlew	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.1 (1)	0	N/A	82 (Dec 22)	8.5 (2)	65 (Feb 23)	12.91 (6)
Dunlin	0	N/A	0	N/A	0	N/A	4 (Dec 22)	0.4 (1)	0	N/A	0	N/A	58 (Dec 22)	10.45 (6)
Eider	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (May 23)	0.36 (1)
Gadwall	0	N/A	8 (Sep 22)	1.91 (5)	4 (Jan 23)	0.4 (1)	7 (Aug 23)	1.2 (2)	0	N/A	0	N/A	0	N/A



SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Great Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.18 (2)
Goldeneye	2 (Nov 22)	0.2 (1)	7 (Feb 23)	1.09 (3)	2 (Dec 22)	0.2 (1)	2 (Jan 23)	0.4 (2)	0	N/A	0	N/A	0	N/A
Golden Plover	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	25 (Dec 22)	2.5 (1)	120 (Nov 22)	10.91 (1)
Goosander	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Oct 22)	0.09 (1)
Great Crested Grebe	0	N/A	1 (May 23)	0.27 (3)	2 (Mar 23)	0.4 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Great Egret	0	N/A	0	N/A	1 (Mar 23)	0.1 (1)	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.09 (1)
Greenshank	0	N/A	2 (Aug 23)	0.18 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.09 (1)

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Grey Heron	1 (Apr 23)	0.1 (1)	0	N/A	2 (Aug 23)	0.3 (2)	0	N/A	0	N/A	0	N/A	6 (Aug 23)	0.55 (1)
Greylag Goose	0	N/A	5 (Jul 23)	0.64 (3)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Grey Plover	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Dec 22)	0.45 (3)
Herring Gull**	0	N/A	0	N/A	0	N/A	37 (Jun 23)	9.2 (4)	0	N/A	0	N/A	53 (Jun 23)	19.18 (11)
Kingfisher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.09 (1)
Lapwing**	0	N/A	21 (Jun 23)	1.91 (1)	23 (Aug 23)	4.2 (4)	4 (Jun 23)	0.6 (2)	2 (Mar 23)	0.36 (2)	118 (Dec 22)	11.9 (2)	221 (Nov 22)	43.18 (5)
Lesser Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	9 (Sep 22)	0.82 (1)

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Little Egret	0	N/A	0	N/A	2 (Aug 23)	0.3 (2)	0	N/A	0	N/A	0	N/A	7 (Aug 23)	1.09 (4)
Little Grebe	1 (Nov 22)	0.1 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Little Gull	0	N/A	0	N/A	1 (May 23)	0.1 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Little Ringed Plover	0	N/A	0	N/A	3 (Mar 23)	0.4 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Mallard	2 (Nov 22)	0.4 (2)	33 (Jun 23)	4.27 (4)	37 (Jan 23)	9.3 (8)	3 (Aug 23)	0.3 (1)	0	N/A	0	N/A	25 (Dec 22)	5.64 (6)
Mediterranean Gull	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.1 (1)	0	N/A	0	N/A	0	N/A
Moorhen	2 (Dec 22)	0.6 (4)	0	N/A	2 (Nov 22)	0.3 (2)	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.09 (1)

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Mute Swan	1 (Jun 23)	0.1 (1)	3 (Sep 22)	0.55 (2)	0	N/A	2 (Mar 23)	0.4 (3)	0	N/A	0	N/A	0	N/A
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	21 (Jul 23)	3.27 (6)
Pintail	0	N/A	0	N/A	1 (Jan 23)	0.1 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Pochard	2 (Apr 23)	0.5 (3)	13 (Jun 23)	3.55 (6)	12 (Aug 23)	2.6 (4)	16 (Aug 23)	1.6 (1)	0	N/A	0	N/A	1 (May 23)	0.09 (1)
Red-breasted Merganser	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.18 (2)
Redshank*	0	N/A	2 (Mar 23)	0.27 (2)	1 (Nov 22)	0.2 (2)	3 (Feb 23)	0.6 (4)	0	N/A	2 (May 23)	0.2 (1)	48 (Sep 22)	19.82 (9)
Red-throated Diver	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.09 (1)
Sandwich Tern*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	21 (Jul 23)	1.91 (1)

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Scaup	0	N/A	1 (Feb 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Shag	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.09 (1)
Shelduck**	2 (Apr 23)	0.6 (3)	30 (Jun 23)	7.36 (6)	4 (Feb 23)	0.8 (3)	4 (Jul 23)	0.8 (3)	0	N/A	0	N/A	20 (May 23)	3.36 (4)
Shoveler**	0	N/A	26 (Nov 22)	3.27 (2)	2 (May 23)	0.2 (1)	1 (Apr 23)	0.1 (1)	0	N/A	0	N/A	8 (Jan 23)	0.73 (1)
Snipe	2 (Dec 22)	0.3 (2)	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.18 (1)	0	N/A	0	N/A
Teal**	0	N/A	34 (Mar 23)	6.82 (5)	5 (Dec 22)	0.8 (2)	0	N/A	0	N/A	0	N/A	29 (Dec 22)	4.09 (4)
Tufted Duck	2 (Nov 22)	0.6 (3)	10 (Aug 23)	2.27 (5)	24 (Jan 23)	4.5 (5)	6 (Jul 23)	1 (2)	0	N/A	0	N/A	0	N/A

SPECIES <sup>54</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		11		10		10		11		10		11	
Wigeon**	2 (Mar 23)	0.2 (1)	32 (Nov 22)	3.64 (4)	46 (Jan 23)	4.6 (1)	26 (Feb 23)	3 (2)	0	N/A	0	N/A	100 (Jan 23)	12.64 (5)
Woodcock	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.09 (1)	0	N/A	0	N/A
Wood Sandpiper	0	N/A	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

Table 13A-33: Summary count data for North Tees Marshes count sectors (B16-B19, B22-B23, G7) – High Tide

SPECIES <sup>55</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		4		9		6		10		11		12	
Avocet*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.08 (1)
Black-headed Gull**	16 (May 23)	1.6 (1)	0	N/A	2 (Mar 23)	0.22 (1)	0	N/A	0	N/A	0	N/A	32 (Jul 23)	5.33 (4)
Black-tailed Godwit	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	68 (Aug 23)	11.83 (4)
Canada Goose	26 (Jul 23)	2.6 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	23 (Aug 23)	2.17 (2)
Common Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.08 (1)
Common Tern*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.08 (1)

<sup>55</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>55</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		4		9		6		10		11		12	
Cormorant**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Aug 23)	0.25 (1)
Curlew	125 (Jan 23)	12.7 (2)	1 (Jan 23)	0.25 (1)	3 (Oct 22)	0.44 (2)	0	N/A	0	N/A	2 (Feb 23)	0.27 (2)	120 (Jul 23)	25.08 (9)
Dunlin	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	11 (Aug 23)	1.17 (2)
Eider	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.08 (1)
Gadwall	3 (Feb 23)	0.6 (3)	0	N/A	0	N/A	0	N/A	17 (Aug 23)	1.7 (1)	2 (Apr 23)	0.18 (1)	1 (Sep 22)	0.08 (1)
Great Crested Grebe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.08 (1)
Great Egret	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.08 (1)



SPECIES <sup>55</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		4		9		6		10		11		12	
Grey Heron	1 (Nov 22)	0.4 (4)	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.1 (1)	7 (Feb 23)	0.91 (4)	2 (Oct 22)	0.42 (4)
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (May 23)	0.25 (1)
Herring Gull**	4 (Jun 23)	0.4 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (Jun 23)	0.58 (3)
Kingfisher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.08 (1)
Knot*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jul 23)	0.17 (1)
Lapwing**	0	N/A	3 (Jan 23)	0.75 (1)	28 (Jan 23)	3.11 (1)	0	N/A	0	N/A	0	N/A	78 (Aug 23)	15 (4)
Little Egret	1 (Feb 23)	0.1 (1)	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.1 (1)	2 (Dec 22)	0.45 (4)	3 (Nov 22)	0.67 (5)

SPECIES <sup>55</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		4		9		6		10		11		12	
Little Grebe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.09 (1)	3 (Oct 22)	0.33 (2)
Mallard	12 (Jan 23)	3.5 (7)	0	N/A	0	N/A	0	N/A	6 (Nov 22)	0.6 (1)	22 (Jan 23)	4.18 (6)	30 (Dec 22)	5.58 (7)
Mediterranean Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.08 (1)
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.09 (1)	0	N/A
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	7 (May 23)	1.08 (3)
Redshank*	5 (Jan 23)	1.8 (4)	3 (Dec 22)	1.75 (3)	1 (Jan 23)	0.11 (1)	0	N/A	2 (Oct 22)	0.4 (3)	8 (Dec 22)	2.27 (7)	143 (Jan 23)	39.67 (10)
Sandwich Tern*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.08 (1)

SPECIES <sup>55</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	10		4		9		6		10		11		12	
Shelduck**	35 (Mar 23)	8 (5)	7 (Mar 23)	2.5 (2)	0	N/A	0	N/A	6 (Mar 23)	0.8 (2)	6 (Mar 23)	0.91 (2)	32 (Jul 23)	8.67 (5)
Shoveler**	4 (Aug 23)	0.4 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	20 (Dec 22)	2.33 (2)
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.17 (1)
Spoonbill	1 (Apr 23)	0.1 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Teal**	9 (Nov 22)	1.5 (3)	30 (Dec 22)	7.75 (2)	0	N/A	0	N/A	10 (Nov 22)	1 (1)	37 (Feb 23)	6.55 (5)	225 (Nov 22)	54.08 (6)
Turnstone*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.25 (2)
Whimbrel	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Jul 23)	0.33 (2)
Wigeon**	36 (Nov 22)	4.6 (2)	150 (Dec 22)	38.5 (3)	0	N/A	0	N/A	0	N/A	97 (Jan 23)	10.36 (4)	605 (Jan 23)	117 (5)

Table 13A-34: Summary count data for North Tees Marshes count sectors (G8-G13a, B25) – High Tide

SPECIES <sup>56</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		7		7		6		6		9		8		0	
Avocet*	2 (Mar 23)	0.18 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Black-headed Gull**	62 (Jul 23)	13.09 (8)	0	N/A	0	N/A	30 (Feb 23)	10 (4)	0	N/A	2 (Feb 23)	0.22 (1)	20 (Dec 22)	6.38 (6)	0	N/A
Black-tailed Godwit	1 (Jan 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	113 (Jan 23)	23.11 (4)	60 (Aug 23)	13.38 (5)	0	N/A
Common Gull	1 (Feb 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.25 (2)	0	N/A
Common Sandpiper	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

<sup>56</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>56</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		7		7		6		6		9		8		0	
Coot	0	N/A	0	N/A	0	N/A	3 (Oct 22)	1.67 (4)	2 (Feb 23)	0.5 (2)	6 (Mar 23)	1 (4)	20 (Jan 23)	8.75 (6)	0	N/A
Curlew	3 (Oct 22)	0.91 (5)	0	N/A	0	N/A	0	N/A	0	N/A	75 (Jan 23)	20.89 (6)	0	N/A	0	N/A
Dunlin	21 (Sep 22)	3.55 (3)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.13 (1)	0	N/A
Gadwall	0	N/A	0	N/A	0	N/A	8 (Oct 22)	2.5 (2)	0	N/A	3 (Mar 23)	0.33 (1)	1 (Aug 23)	0.13 (1)	0	N/A
Great Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.13 (1)	0	N/A
Grey Heron	1 (May 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	10 (Dec 22)	3.11 (6)	1 (Jul 23)	0.13 (1)	0	N/A
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	100 (Jan 23)	19.11 (3)	2 (Sep 23)	0.63 (4)	0	N/A

SPECIES <sup>56</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		7		7		6		6		9		8		0	
Grey Plover	3 (Oct 22)	0.27 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Herring Gull**	2 (Feb 23)	0.18 (1)	0	N/A	1 (Feb 23)	0.14 (1)	0	N/A	0	N/A	0	N/A	100 (Dec 22)	27.5 (4)	0	N/A
Lapwing**	0	N/A	0	N/A	10 (Jan 23)	1.57 (2)	17 (Sep 22)	2.83 (1)	0	N/A	38 (Jan 23)	4.22 (1)	8 (Mar 23)	1 (1)	0	N/A
Lesser Black-backed Gull	1 (Sep 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jul 23)	0.25 (1)	0	N/A
Little Egret	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.22 (2)	1 (Jul 23)	0.13 (1)	0	N/A
Little Grebe	1 (Jan 23)	0.09 (1)	0	N/A	0	N/A	1 (Oct 22)	0.33 (2)	0	N/A	0	N/A	3 (Jan 23)	1.25 (6)	0	N/A
Mallard	18 (Nov 22)	4.18 (6)	0	N/A	2 (Dec 22)	0.29 (1)	8 (Oct 22)	2.67 (2)	0	N/A	10 (Mar 23)	3.22 (4)	12 (Dec 22)	5.63 (6)	0	N/A

SPECIES <sup>56</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		7		7		6		6		9		8		0	
Moorhen	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.33 (1)	1 (Feb 23)	0.17 (1)	1 (Aug 23)	0.11 (1)	8 (Jan 23)	3.75 (6)	0	N/A
Mute Swan	1 (Feb 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.25 (1)	0	N/A
Oystercatcher	1 (Jun 23)	0.18 (2)	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.22 (1)	2 (Mar 23)	0.5 (2)	0	N/A
Pink-footed Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.22 (2)	0	N/A	0	N/A
Pochard	0	N/A	0	N/A	0	N/A	2 (Feb 23)	0.33 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Redshank*	85 (Oct 22)	33.64 (8)	2 (Mar 23)	0.29 (1)	0	N/A	0	N/A	1 (Oct 22)	0.17 (1)	2 (Dec 22)	0.33 (2)	0	N/A	0	N/A
Shelduck**	8 (Feb 23)	3 (6)	0	N/A	2 (Mar 23)	0.29 (1)	0	N/A	0	N/A	2 (Mar 23)	0.22 (1)	5 (Mar 23)	0.63 (1)	0	N/A

SPECIES <sup>56</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		7		7		6		6		9		8		0	
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	6 (Dec 22)	0.67 (1)	4 (Aug 23)	1.13 (4)	0	N/A
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.17 (1)	1 (Dec 22)	0.11 (1)	1 (Jan 23)	0.13 (1)	0	N/A
Teal**	80 (Dec 22)	15.27 (5)	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.17 (1)	32 (Feb 23)	5.33 (3)	14 (Feb 23)	4 (5)	0	N/A
Tufted Duck	0	N/A	0	N/A	0	N/A	8 (Feb 23)	3.67 (3)	0	N/A	0	N/A	10 (Dec 22)	2 (4)	0	N/A
White-fronted Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	17 (Feb 23)	3.56 (2)	0	N/A	0	N/A
Wigeon**	50 (Dec 22)	7 (3)	0	N/A	0	N/A	0	N/A	0	N/A	30 (Dec 22)	4.11 (2)	0	N/A	0	N/A



Table 13A-35 Summary count data for North Tees Marshes count sectors (Cowpen Bewley) – Low Tide

SPECIES <sup>57</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		11		11		11		11		11		12	
Black-headed Gull**	1 (Mar 23)	0.18 (2)	0	N/A	0	N/A	0	N/A	0	N/A	46 (May 23)	6.27 (3)	0	N/A
Canada Goose	100 (Dec 22)	9.36 (2)	0	N/A	0	N/A	20 (Dec 22)	1.82 (1)	9 (Jan 23)	0.82 (1)	90 (Dec 22)	13.18 (2)	0	N/A
Caspian Gull	1 (Apr 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Coot	2 (Apr 23)	0.18 (1)	0	N/A	0	N/A	0	N/A	0	N/A	6 (Apr 23)	0.55 (1)	0	N/A
Curlew	23 (Aug 23)	3 (4)	4 (Nov 22)	0.36 (1)	0	N/A	30 (Dec 22)	2.73 (1)	40 (Dec 22)	3.64 (1)	90 (Dec 22)	8.36 (2)	1 (Oct 22)	0.08 (1)

<sup>57</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>57</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		11		11		11		11		11		12	
Gadwall	5 (Aug 23)	0.45 (1)	2 (Jan 23)	0.18 (1)	0	N/A	0	N/A	1 (Apr 23)	0.18 (2)	2 (May 23)	0.36 (2)	2 (Apr 23)	0.17 (1)
Green Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Aug 23)	0.27 (2)	0	N/A
Grey Heron	1 (Jun 23)	0.18 (2)	1 (Dec 22)	0.18 (2)	0	N/A	1 (Dec 22)	0.09 (1)	0	N/A	2 (Jan 23)	0.27 (2)	0	N/A
Greylag Goose	4 (Apr 23)	0.82 (3)	0	N/A	2 (Mar 23)	0.18 (1)	35 (Dec 22)	3.18 (1)	0	N/A	20 (Dec 22)	2.73 (2)	0	N/A
Herring Gull**	1 (Mar 23)	0.18 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Lapwing**	2 (Dec 22)	0.45 (3)	12 (Dec 22)	1.36 (2)	0	N/A	6 (Dec 22)	0.55 (1)	4 (Apr 23)	0.36 (1)	20 (Dec 22)	3.73 (6)	0	N/A
Little Egret	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.09 (1)	0	N/A

SPECIES <sup>57</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		11		11		11		11		11		12	
Mallard	14 (Aug 23)	2.27 (5)	8 (Jan 23)	0.82 (2)	0	N/A	7 (Feb 23)	1.36 (5)	1 (May 23)	0.09 (1)	11 (Nov 22)	2.91 (7)	8 (Jan 23)	1.33 (4)
Marsh Harrier	0	N/A	0	N/A	1 (Jun 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Apr 23)	0.09 (1)	0	N/A
Mute Swan	0	N/A	0	N/A	0	N/A	2 (Dec 22)	0.18 (1)	0	N/A	0	N/A	0	N/A
Redshank*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	3 (Nov 22)	0.27 (1)	4 (Nov 22)	0.33 (1)
Shelduck**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.18 (1)	0	N/A
Shoveler**	1 (Apr 23)	0.18 (2)	1 (Apr 23)	0.09 (1)	0	N/A	2 (Apr 23)	0.18 (1)	4 (Apr 23)	0.36 (1)	0	N/A	2 (Apr 23)	0.17 (1)

SPECIES <sup>57</sup>	COUNT SECTOR													
	G1		B1		B2		B3		B4		B5		B6	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		11		11		11		11		11		12	
Snipe	4 (Dec 22)	0.64 (3)	10 (Dec 22)	1.36 (2)	10 (Dec 22)	0.91 (1)	5 (Dec 22)	0.45 (1)	0	N/A	5 (Dec 22)	0.55 (2)	0	N/A
Teal**	2 (Dec 22)	0.18 (1)	6 (Dec 22)	1 (2)	0	N/A	5 (Dec 22)	0.55 (2)	0	N/A	21 (Nov 22)	2.73 (4)	33 (Jan 23)	5.17 (4)
White-fronted Goose	0	N/A	0	N/A	0	N/A	2 (Dec 22)	0.18 (1)	0	N/A	0	N/A	0	N/A
Wigeon**	62 (Feb 23)	5.91 (3)	0	N/A	0	N/A	0	N/A	0	N/A	64 (Nov 22)	7 (2)	70 (Feb 23)	6.58 (2)

Table 13A-36: Summary count data for North Tees Marshes count sectors (G2, G6, B7, B8) – Low Tide

SPECIES <sup>58</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		13		13		11		11	
Avocet*	4 (May 23)	0.5 (3)	0	N/A	9 (Apr 23)	1 (5)	0	N/A	0	N/A
Barnacle Goose	0	N/A	6 (Feb 23)	0.46 (1)	0	N/A	0	N/A	0	N/A
Bar-tailed Godwit	0	N/A	0	N/A	1 (Nov 22)	0.08 (1)	0	N/A	0	N/A
Black-headed Gull**	26 (Jun 23)	3.14 (2)	14 (Apr 23)	1.77 (3)	18 (Jul 23)	2.85 (7)	2 (Jan 23)	0.36 (2)	0	N/A
Black-tailed Godwit	0	N/A	0	N/A	3 (Nov 22)	0.23 (1)	0	N/A	0	N/A
Brent Goose (Dark-bellied)	0	N/A	3 (Oct 22)	0.23 (1)	0	N/A	0	N/A	0	N/A
Canada Goose	10 (Nov 22)	1.86 (4)	42 (May 23)	14.69 (7)	2 (Mar 23)	0.15 (1)	19 (Aug 23)	1.73 (1)	7 (Aug 23)	0.64 (1)
Common Tern*	0	N/A	35 (May 23)	3.23 (3)	0	N/A	0	N/A	0	N/A
Coot	4 (Jun 23)	0.43 (2)	90 (Feb 23)	16.54 (7)	1 (Mar 23)	0.08 (1)	23 (Aug 23)	7.91 (9)	6 (Dec 22)	2.27 (10)

<sup>58</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>58</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		13		13		11		11	
Cormorant**	0	N/A	1 (Mar 23)	0.08 (1)	0	N/A	2 (Dec 22)	0.18 (1)	1 (Mar 23)	0.09 (1)
Curlew	19 (Mar 23)	1.5 (2)	150 (Jan 23)	24.31 (8)	38 (Dec 22)	11.23 (13)	0	N/A	0	N/A
Dunlin	8 (Jun 23)	0.57 (1)	0	N/A	18 (Mar 23)	3.77 (7)	0	N/A	0	N/A
Egyptian Goose	10 (Jul 23)	0.71 (1)	2 (Feb 23)	0.31 (3)	3 (Dec 22)	0.23 (1)	0	N/A	0	N/A
Gadwall	2 (May 23)	0.21 (2)	26 (Feb 23)	4.92 (6)	0	N/A	19 (Aug 23)	5.18 (8)	3 (Dec 22)	0.73 (4)
Great Black-backed Gull	0	N/A	0	N/A	1 (Sep 22)	0.08 (1)	0	N/A	0	N/A
Goldeneye	0	N/A	0	N/A	0	N/A	2 (Dec 22)	0.36 (2)	3 (Feb 23)	0.45 (2)
Golden Plover	3 (Dec 22)	0.21 (1)	0	N/A	210 (Nov 22)	16.23 (2)	0	N/A	0	N/A
Great Crested Grebe	0	N/A	0	N/A	0	N/A	2 (Jul 23)	0.27 (2)	1 (Mar 23)	0.09 (1)
Green Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.09 (1)
Grey Heron	1 (Apr 23)	0.07 (1)	2 (Jul 23)	0.31 (3)	1 (Jul 23)	0.15 (2)	1 (Nov 22)	0.27 (3)	0	N/A
Greylag Goose	18 (May 23)	1.57 (3)	28 (Feb 23)	8.38 (7)	3 (Jun 23)	0.38 (2)	0	N/A	1 (Dec 22)	0.09 (1)

SPECIES <sup>58</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		13		13		11		11	
Grey Plover	0	N/A	0	N/A	1 (Oct 22)	0.08 (1)	0	N/A	0	N/A
Herring Gull**	0	N/A	0	N/A	3 (Mar 23)	0.92 (6)	0	N/A	0	N/A
Knot*	0	N/A	0	N/A	2 (Sep 22)	0.15 (1)	0	N/A	0	N/A
Lapwing**	35 (Mar 23)	5.5 (5)	65 (Oct 22)	11.77 (8)	250 (Nov 22)	27.08 (7)	2 (Feb 23)	0.73 (4)	0	N/A
Lesser Black-backed Gull	2 (Apr 23)	0.14 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Little Egret	0	N/A	3 (Feb 23)	0.69 (4)	5 (Oct 22)	2.38 (9)	1 (Aug 23)	0.09 (1)	0	N/A
Little Grebe	0	N/A	2 (Mar 23)	0.31 (3)	4 (Nov 22)	0.46 (2)	1 (Oct 22)	0.45 (5)	2 (Oct 22)	0.27 (2)
Little Stint	1 (Jun 23)	0.07 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Mallard	2 (Jun 23)	0.14 (1)	15 (Feb 23)	3.08 (6)	12 (Jan 23)	3.15 (7)	20 (Oct 22)	8.27 (10)	13 (Apr 23)	1.73 (3)
Marsh Harrier	0	N/A	1 (Feb 23)	0.08 (1)	0	N/A	0	N/A	0	N/A
Moorhen	0	N/A	3 (Mar 23)	0.69 (5)	1 (Aug 23)	0.08 (1)	0	N/A	0	N/A

SPECIES <sup>58</sup>	COUNT SECTOR									
	G2		G3		G6		B7		B8	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	14		13		13		11		11	
Mute Swan	0	N/A	2 (Mar 23)	0.38 (4)	0	N/A	0	N/A	4 (Nov 22)	0.36 (1)
Oystercatcher	1 (May 23)	0.07 (1)	2 (Mar 23)	0.23 (2)	5 (Sep 22)	1.31 (6)	0	N/A	0	N/A
Pintail	1 (Jan 23)	0.14 (2)	0	N/A	1 (Dec 22)	0.08 (1)	0	N/A	0	N/A
Pochard	0	N/A	14 (Mar 23)	1.77 (3)	0	N/A	22 (Jan 23)	5.91 (6)	10 (Dec 22)	2.64 (7)
Redshank*	21 (Jan 23)	2.07 (3)	0	N/A	47 (Mar 23)	15.62 (11)	0	N/A	1 (Dec 22)	0.18 (2)
Ringed Plover	10 (Jun 23)	0.71 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Shelduck**	6 (Apr 23)	1.93 (6)	10 (Mar 23)	1.38 (6)	26 (Jun 23)	4.62 (6)	3 (Jun 23)	0.36 (2)	0	N/A
Shoveler**	28 (Mar 23)	7.07 (6)	2 (May 23)	0.15 (1)	0	N/A	2 (Jul 23)	0.18 (1)	0	N/A
Snipe	0	N/A	3 (Dec 22)	0.23 (1)	1 (Dec 22)	0.08 (1)	0	N/A	0	N/A
Teal**	32 (Apr 23)	5.29 (3)	20 (Mar 23)	2.92 (4)	220 (Dec 22)	34 (8)	40 (Nov 22)	11 (7)	4 (Dec 22)	0.36 (1)
Tufted Duck	0	N/A	2 (Mar 23)	0.15 (1)	0	N/A	15 (Jul 23)	2.36 (4)	8 (Jul 23)	2.27 (6)
Wigeon**	526 (Jan 23)	60.86 (3)	200 (Mar 23)	26.92 (2)	70 (Jan 23)	15.69 (5)	100 (Oct 22)	22.18 (4)	0	N/A



Table 13A-37: Summary count data for North Tees Marshes count sectors (B9-B15) – Low Tide

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Avocet*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	4 (Mar 23)	0.42 (2)
Bar-tailed Godwit	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.08 (1)
Black-headed Gull**	1 (Jul 23)	0.09 (1)	16 (May 23)	3.75 (6)	23 (Jul 23)	2.91 (5)	22 (Feb 23)	3.55 (6)	0	N/A	0	N/A	22 (Aug 23)	8.42 (10)
Black-tailed Godwit	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	11 (Oct 22)	1.5 (3)
Canada Goose	1 (Nov 22)	0.09 (1)	32 (Jul 23)	2.92 (2)	2 (Jul 23)	0.18 (1)	2 (Aug 23)	0.18 (1)	0	N/A	250 (Oct 22)	22.82 (2)	2 (May 23)	0.17 (1)
Common Gull	0	N/A	0	N/A	0	N/A	24 (Feb 23)	2.18 (1)	0	N/A	0	N/A	0	N/A

<sup>59</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Common Sandpiper	0	N/A	4 (Jul 23)	0.33 (1)	0	N/A	0	N/A	0	N/A	0	N/A	20 (Mar 23)	1.75 (2)
Common Tern*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.25 (2)
Coot	1 (May 23)	0.09 (1)	28 (Sep 22)	8.67 (5)	6 (Jul 23)	1.09 (3)	16 (Aug 23)	2.82 (4)	0	N/A	0	N/A	0	N/A
Cormorant**	0	N/A	0	N/A	3 (Jun 23)	0.91 (6)	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.17 (2)
Curlew	0	N/A	1 (Feb 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	72 (Feb 23)	11.58 (11)
Curlew Sandpiper	0	N/A	1 (Apr 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Dunlin	0	N/A	6 (Jul 23)	0.5 (1)	0	N/A	0	N/A	0	N/A	0	N/A	25 (Aug 23)	3.58 (3)

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Eider	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.08 (1)
Gadwall	1 (May 23)	0.09 (1)	39 (Aug 23)	5.92 (6)	6 (Dec 22)	0.55 (1)	4 (Jul 23)	0.91 (4)	0	N/A	0	N/A	0	N/A
Goldeneye	2 (Nov 22)	0.18 (1)	4 (Dec 22)	0.92 (3)	4 (Dec 22)	0.45 (2)	7 (Mar 23)	1 (2)	0	N/A	0	N/A	0	N/A
Golden Plover	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	500 (Nov 22)	41.83 (2)
Great Crested Grebe	0	N/A	1 (Nov 22)	0.25 (3)	2 (Jul 23)	0.45 (3)	0	N/A	0	N/A	0	N/A	0	N/A
Green Sandpiper	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	1 (Feb 23)	0.09 (1)	0	N/A	0	N/A	0	N/A
Greenshank	0	N/A	3 (Jul 23)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Grey Heron	0	N/A	1 (May 23)	0.17 (2)	2 (Aug 23)	0.45 (4)	0	N/A	0	N/A	0	N/A	2 (Sep 22)	0.5 (4)
Greylag Goose	1 (Nov 22)	0.09 (1)	34 (Jul 23)	2.83 (1)	1 (Dec 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Herring Gull**	0	N/A	3 (Dec 22)	0.25 (1)	0	N/A	53 (May 23)	10.45 (5)	0	N/A	0	N/A	25 (Mar 23)	7.42 (12)
Lapwing**	0	N/A	2 (May 23)	0.17 (1)	34 (Jul 23)	4.55 (3)	74 (Aug 23)	11.09 (4)	4 (Apr 23)	0.5 (2)	0	N/A	255 (Oct 22)	44.83 (4)
Lesser Black-backed Gull	0	N/A	1 (Jul 23)	0.08 (1)	0	N/A	8 (May 23)	1 (2)	0	N/A	0	N/A	1 (Apr 23)	0.08 (1)
Little Egret	0	N/A	0	N/A	1 (Aug 23)	0.09 (1)	0	N/A	0	N/A	0	N/A	9 (Sep 22)	3.5 (9)
Little Grebe	0	N/A	1 (Oct 22)	0.17 (2)	1 (Dec 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	5 (Dec 22)	0.58 (3)

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Little Ringed Plover	0	N/A	2 (Apr 23)	0.25 (2)	2 (Jun 23)	0.18 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Mallard	4 (Jul 23)	0.82 (5)	14 (Aug 23)	2.67 (6)	68 (Dec 22)	15.09 (7)	4 (Mar 23)	0.36 (1)	0	N/A	0	N/A	14 (Dec 22)	2.33 (3)
Moorhen	1 (Feb 23)	0.18 (2)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Mute Swan	0	N/A	5 (Oct 22)	1 (5)	2 (May 23)	0.18 (1)	2 (Aug 23)	0.18 (1)	0	N/A	0	N/A	0	N/A
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	6 (Mar 23)	1.25 (5)
Pochard	43 (Jun 23)	4.64 (3)	15 (Jun 23)	2.25 (4)	32 (Jun 23)	6.82 (5)	12 (Aug 23)	1.55 (2)	0	N/A	0	N/A	0	N/A
Red-breasted Merganser	0	N/A	0	N/A	1 (Nov 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Redshank*	1 (Aug 23)	0.09 (1)	1 (Oct 22)	0.08 (1)	1 (Dec 22)	0.09 (1)	2 (Oct 22)	0.36 (3)	0	N/A	0	N/A	210 (Mar 23)	40.17 (10)
Ringed Plover	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	28 (Aug 23)	4.58 (2)
Scaup	0	N/A	2 (Feb 23)	0.17 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Shelduck**	2 (Jun 23)	0.36 (2)	18 (Apr 23)	4.75 (6)	8 (Apr 23)	1.18 (2)	2 (Mar 23)	0.45 (3)	0	N/A	0	N/A	7 (May 23)	1.08 (3)
Shoveler**	0	N/A	35 (Oct 22)	7.08 (8)	4 (Apr 23)	0.36 (1)	0	N/A	0	N/A	0	N/A	24 (Dec 22)	4.33 (3)
Spoonbill	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (May 23)	0.08 (1)
Teal**	0	N/A	40 (Nov 22)	8.75 (4)	32 (Nov 22)	2.91 (1)	13 (Jul 23)	1.91 (3)	0	N/A	0	N/A	420 (Jan 23)	51.33 (7)

SPECIES <sup>59</sup>	COUNT SECTOR													
	B9		B10		B11		B12		B13		B14		B15	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		12		11		11		12		11		12	
Tufted Duck	13 (Jul 23)	1.27 (2)	18 (Aug 23)	1.92 (3)	29 (Apr 23)	5.45 (5)	9 (Jul 23)	1.18 (2)	0	N/A	0	N/A	0	N/A
Turnstone*	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.08 (1)
Whooper Swan	0	N/A	0	N/A	1 (Oct 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Wigeon**	0	N/A	45 (Jan 23)	5.33 (3)	5 (Dec 22)	0.45 (1)	0	N/A	0	N/A	0	N/A	1000 (Nov 22)	226.25 (8)

Table 13A-38: Summary count data for North Tees Marshes count sectors (B16-B19, B22-B23, G7) – Low Tide

SPECIES <sup>60</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		6		9		6		10		12		12	
Avocet*	0	N/A	4 (Apr 23)	0.67 (1)	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jun 23)	0.08 (1)
Black-headed Gull**	16 (Jul 23)	1.45 (1)	1 (Apr 23)	0.17 (1)	2 (Mar 23)	0.22 (1)	0	N/A	1 (Nov 22)	0.1 (1)	2 (May 23)	0.42 (3)	3 (Jul 23)	0.67 (4)
Canada Goose	20 (Jun 23)	1.82 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (May 23)	0.17 (1)
Common Gull	1 (Oct 22)	0.09 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Curlew	14 (Jul 23)	1.55 (4)	0	N/A	10 (Oct 22)	1.11 (1)	0	N/A	1 (Oct 22)	0.2 (2)	2 (Oct 22)	0.33 (3)	82 (Jan 23)	9.58 (9)
Dunlin	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	11 (Oct 22)	0.92 (1)

<sup>60</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.



SPECIES <sup>60</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		6		9		6		10		12		12	
Great Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.08 (1)
Greenshank	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Nov 22)	0.08 (1)	0	N/A
Grey Heron	2 (Aug 23)	0.45 (4)	0	N/A	4 (Nov 22)	0.44 (1)	0	N/A	1 (Oct 22)	0.3 (3)	5 (Oct 22)	0.67 (4)	0	N/A
Herring Gull**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jun 23)	0.42 (4)
Lapwing**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	32 (Dec 22)	2.67 (1)
Lesser Black-backed Gull	0	N/A	1 (Apr 23)	0.17 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Little Egret	5 (Jul 23)	0.82 (4)	0	N/A	0	N/A	0	N/A	1 (Oct 22)	0.2 (2)	2 (May 23)	0.42 (4)	2 (Aug 23)	0.33 (3)

SPECIES <sup>60</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		6		9		6		10		12		12	
Mallard	7 (Jan 23)	2 (8)	0	N/A	0	N/A	0	N/A	10 (Nov 22)	1.3 (2)	4 (Jan 23)	1.17 (5)	2 (Apr 23)	0.17 (1)
Moorhen	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.25 (2)	0	N/A
Oystercatcher	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jun 23)	0.42 (3)
Redshank*	3 (Nov 22)	0.27 (1)	1 (Nov 22)	0.33 (2)	0	N/A	0	N/A	12 (Nov 22)	1.7 (2)	4 (Feb 23)	1 (5)	76 (Dec 22)	13.92 (7)
Shelduck**	10 (Mar 23)	2.36 (6)	3 (Feb 23)	1.17 (3)	0	N/A	0	N/A	0	N/A	4 (Jun 23)	0.67 (3)	18 (Jun 23)	6.08 (7)
Shoveler**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.17 (1)	0	N/A
Spoonbill	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.08 (1)

SPECIES <sup>60</sup>	COUNT SECTOR													
	B16		B17		B18		B19		B22		B23		G7	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	11		6		9		6		10		12		12	
Teal**	200 (Nov 22)	18.36 (2)	0	N/A	0	N/A	0	N/A	0	N/A	25 (Mar 23)	2.25 (2)	42 (Dec 22)	3.5 (1)
Wigeon**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	28 (Dec 22)	2.75 (2)	21 (Dec 22)	2.67 (2)

Table 13A-39: Summary count data for North Tees Marshes count sectors (G8-G13a, B25) – Low Tide

SPECIES <sup>61</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		8		8		8		8		10		7		0	
Avocet*	16 (Apr 23)	1.33 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Black-headed Gull**	21 (Aug 23)	2.67 (4)	0	N/A	1 (Apr 23)	0.13 (1)	17 (Feb 23)	3.63 (3)	0	N/A	6 (Mar 23)	0.6 (1)	10 (Dec 22)	1.71 (2)	0	N/A
Black-tailed Godwit	14 (Jul 23)	1.17 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Canada Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	120 (Dec 22)	18.3 (5)	108 (Aug 23)	25.43 (6)	0	N/A
Common Gull	1 (Jan 23)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Coot	0	N/A	0	N/A	1 (Apr 23)	0.13 (1)	4 (Nov 22)	1.75 (6)	1 (Feb 23)	0.13 (1)	3 (Feb 23)	1.1 (4)	20 (Jan 23)	13 (6)	0	N/A

<sup>61</sup> Species in bold font are SPA and/or SSSI qualifying species; \* means individual qualifying species of SPA; \*\* means assemblage qualifying species of SPA; figures in bold font denote where 1% of the SPA qualifying population is equalled or exceeded.

SPECIES <sup>61</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		8		8		8		8		10		7		0	
Curlew	5 (Oct 22)	1.25 (6)	0	N/A	0	N/A	0	N/A	0	N/A	55 (Jan 23)	13.1 (6)	0	N/A	0	N/A
Dunlin	3 (Dec 22)	0.25 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Gadwall	0	N/A	0	N/A	0	N/A	7 (Nov 22)	1.13 (2)	0	N/A	0	N/A	12 (Aug 23)	1.71 (1)	0	N/A
Golden Plover	1 (Dec 22)	0.08 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Green Sandpiper	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Aug 23)	0.14 (1)	0	N/A
Grey Heron	0	N/A	0	N/A	0	N/A	1 (Apr 23)	0.13 (1)	0	N/A	13 (Jan 23)	3.2 (4)	1 (Dec 22)	0.14 (1)	0	N/A
Greylag Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	100 (Dec 22)	10.7 (4)	3 (Aug 23)	0.71 (3)	0	N/A

SPECIES <sup>61</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		8		8		8		8		10		7		0	
Herring Gull**	2 (Dec 22)	0.17 (1)	0	N/A	0	N/A	0	N/A	0	N/A	2 (Jan 23)	0.2 (1)	100 (Dec 22)	24.14 (4)	0	N/A
Lapwing**	17 (Dec 22)	1.67 (2)	0	N/A	1 (Mar 23)	0.13 (1)	7 (Sep 22)	1.63 (2)	0	N/A	60 (Dec 22)	6.1 (2)	6 (Mar 23)	1.43 (2)	0	N/A
Lesser Black-backed Gull	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jul 23)	0.14 (1)	0	N/A
Little Egret	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Jan 23)	0.2 (2)	0	N/A	0	N/A
Little Grebe	0	N/A	0	N/A	0	N/A	2 (Sep 22)	0.38 (2)	0	N/A	0	N/A	3 (Feb 23)	0.86 (4)	0	N/A
Long-tailed Duck	0	N/A	0	N/A	0	N/A	1 (Mar 23)	0.13 (1)	0	N/A	0	N/A	0	N/A	0	N/A
Mallard	4 (Jan 23)	0.33 (1)	0	N/A	0	N/A	14 (Jan 23)	2.63 (3)	0	N/A	8 (Jan 23)	2.7 (5)	70 (Jan 23)	17.71 (7)	0	N/A
Mediterranean Gull	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.13 (1)	0	N/A	0	N/A	0	N/A	0	N/A

SPECIES <sup>61</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		8		8		8		8		10		7		0	
Moorhen	0	N/A	0	N/A	0	N/A	1 (Sep 22)	0.13 (1)	0	N/A	0	N/A	10 (Dec 22)	3.14 (6)	0	N/A
Mute Swan	0	N/A	0	N/A	0	N/A	2 (Apr 23)	0.38 (2)	0	N/A	0	N/A	0	N/A	0	N/A
Oystercatcher	6 (Jun 23)	1.08 (3)	0	N/A	0	N/A	0	N/A	0	N/A	2 (Mar 23)	0.2 (1)	2 (Mar 23)	0.29 (1)	0	N/A
Pochard	0	N/A	0	N/A	0	N/A	4 (Feb 23)	0.5 (1)	0	N/A	0	N/A	2 (Jan 23)	0.29 (1)	0	N/A
Redshank*	40 (Nov 22)	7.92 (6)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Ringed Plover	2 (May 23)	0.17 (1)	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A
Shelduck**	13 (Feb 23)	4.25 (6)	0	N/A	0	N/A	0	N/A	0	N/A	6 (Feb 23)	1 (2)	1 (Jul 23)	0.14 (1)	0	N/A

SPECIES <sup>61</sup>	COUNT SECTOR															
	G8		G9		G10		G11		G12		G13		G13A		B25	
	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)	PEAK (MONTH)	MEAN (FREQ)
NUMBER OF SURVEYS	12		8		8		8		8		10		7		0	
Shoveler**	0	N/A	0	N/A	1 (Apr 23)	0.13 (1)	7 (Nov 22)	1 (2)	0	N/A	4 (Mar 23)	0.7 (2)	11 (Aug 23)	3 (3)	0	N/A
Snipe	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.2 (2)	1 (Dec 22)	0.14 (1)	0	N/A
Teal**	40 (Jan 23)	3.33 (1)	0	N/A	1 (Apr 23)	0.13 (1)	0	N/A	0	N/A	8 (Feb 23)	1.1 (3)	15 (Sep 23)	6.43 (5)	0	N/A
Tufted Duck	0	N/A	0	N/A	0	N/A	5 (Jan 23)	2.38 (6)	0	N/A	0	N/A	26 (Jan 23)	8.14 (5)	0	N/A
Water Rail	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Dec 22)	0.14 (1)	0	N/A
White-fronted Goose	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	1 (Feb 23)	0.1 (1)	0	N/A	0	N/A
Wigeon**	0	N/A	0	N/A	0	N/A	0	N/A	0	N/A	42 (Jan 23)	4.6 (2)	0	N/A	0	N/A