

Viking CCS pipeline

# Preliminary Environmental Information Report Volume IV

Technical Appendices



Appendix 6.2

# Ornithology Surveys Results



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## 6 Ecology and Biodiversity

### 6.1 Tables Summarising Results of Ornithology Surveys

6.1.1 **Table 6-1**, **Table 6-2** and **Table 6-3** respectively summarise:

- All birds (regardless of conservation status) recorded during non-breeding point count surveys;
- All birds (regardless of conservation status) recorded during breeding season point count surveys; and
- Summary results of all surveys (including point counts and potential functionally linked land surveys), with locations of peak counts and summary narrative on the breeding distribution and/or behaviours of each Priority Species<sup>1</sup>.

6.1.2 Species highlighted in green, amber and red in the tables below are, respectively, those species included on the Birds of Conservation Concern (BoCC) Green, Amber and Red Lists of conservation concern (Stanbury *et al.*, 2021: Ref 6-27 of the *PEIR Volume II: Chapter 6*). Those with no colour shown are not classified as BoCC species as they are non-native or were not identified to species level.

6.1.3 Further information regarding the legislation and guidance against which each species is listed is provided in section 6.2 of *Chapter 6* of *PEIR Volume II*.

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<sup>1</sup> These are also referred to as “protected and notable species”, a definition of which is provided in paragraph 6.4.16 of the PEIR Ecology and Biodiversity chapter.  
November 2022

**Table 6-1: Summary of All Birds Recorded During Non-Breeding Point Count Surveys<sup>2</sup>**

| Common name              | Taxon name                        | Schedule 1 | SSSI/SPA species <sup>3</sup> | NERC S41 | Annex 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | Peak count | Location(s) of peak count | Comments |           |  |
|--------------------------|-----------------------------------|------------|-------------------------------|----------|---------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|----------|-----------|--|
| Blackbird                | <i>Turdus merula</i>              |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            | 10                        | 5        |           |  |
| Black-headed gull        | <i>Chroicocephalus ridibundus</i> |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 140      | 6, 20     |  |
| Blue tit                 | <i>Cyanistes caeruleus</i>        |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 3        | 11        |  |
| Brambling                | <i>Fringilla montifringilla</i>   | ✓          |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 1        | 15        |  |
| Bullfinch                | <i>Pyrrhula pyrrhula</i>          |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 1        | 1, 9, 10  |  |
| Buzzard                  | <i>Buteo buteo</i>                |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 4        | 7         |  |
| Carrion crow             | <i>Corvus corone</i>              |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 65       | 15        |  |
| Chaffinch                | <i>Fringilla coelebs</i>          |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 6        | 3         |  |
| Coal tit                 | <i>Periparus ater</i>             |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 1        | 2         |  |
| Collared dove            | <i>Streptopelia decaocto</i>      |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 6        | 11        |  |
| Common gull              | <i>Larus canus</i>                |            | ✓                             |          | ✓       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 137      | 4         |  |
| Dunnock                  | <i>Prunella modularis</i>         |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 11       | 9         |  |
| Feral pigeon             | <i>Columba livia domestica</i>    |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 8        | 5         |  |
| Fieldfare                | <i>Turdus pilaris</i>             | ✓          |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 86       | 17        |  |
| Goldcrest                | <i>Regulus regulus</i>            |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 1        | 16        |  |
| Golden Plover            | <i>Pluvialis apricaria</i>        |            | ✓                             |          | ✓       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 70       | 6         |  |
| Goldfinch                | <i>Carduelis carduelis</i>        |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 6        | 16        |  |
| Great spotted woodpecker | <i>Dendrocopos major</i>          |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 1        | 1, 11, 12 |  |
| Great tit                | <i>Parus major</i>                |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 6        | 16        |  |
| Greenfinch               | <i>Chloris chloris</i>            |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |            |                           | 2        | 16        |  |

<sup>2</sup> Point count numbers are provided in the header row.

<sup>3</sup> Qualifying or designated features of the Humber Estuary Ramsar, SPA or SSSI.  
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| Common name       | Taxon name                  | Schedule 1 | SSSI/SPA species <sup>3</sup> | NERC S41 | Annex 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | Peak count | Location(s) of peak count | Comments   |
|-------------------|-----------------------------|------------|-------------------------------|----------|---------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|--|
| Grey heron        | <i>Ardea cinerea</i>        |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 7, 19, 20                 |  |
| Grey Partridge    | <i>Perdix perdix</i>        |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 10         | 6, 8                      |  |
| Herring Gull      | <i>Larus argentatus</i>     |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 15         | 12                        |  |
| House sparrow     | <i>Passer domesticus</i>    |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 10         | 21                        |  |
| Jackdaw           | <i>Corvus monedula</i>      |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 132        | 17                        |  |
| Jay               | <i>Garrulus glandarius</i>  |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 2          | 16                        |  |
| Kestrel           | <i>Falco tinnunculus</i>    |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 3          | 20                        |  |
| Lapwing           | <i>Vanellus vanellus</i>    |            | ✓                             | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 300        | 14                        |  |
| Linnet            | <i>Linaria cannabina</i>    |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 13         | 5                         |  |
| Little egret      | <i>Egretta garzetta</i>     |            |                               |          | ✓       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 3          | 18                        |  |
| Long tailed tit   | <i>Aegithalos caudatus</i>  |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 11         | 11                        |  |
| Magpie            | <i>Pica pica</i>            |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 2          | 4, 15, 17, 20             |  |
| Mallard           | <i>Anas platyrhynchos</i>   |            | ✓                             |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 2          | 8, 11, 12                 |  |
| Meadow Pipit      | <i>Anthus pratensis</i>     |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 7          | 14                        |  |
| Mistle thrush     | <i>Turdus viscivorus</i>    |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 17                        |  |
| Moorhen           | <i>Gallinula chloropus</i>  |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 1                         |  |
| Nuthatch          | <i>Sitta europaea</i>       |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 11                        |  |
| Peregrine         | <i>Falco peregrinus</i>     | ✓          |                               |          | ✓       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 12, 17                    |  |
| Pied wagtail      | <i>Motacilla alba</i>       |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 12         | 3                         |  |
| Pink-footed goose | <i>Anser brachyrhynchus</i> |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 60         | 18                        | Two records of overflying skeins recorded on 10/11/21 and 11/11/21 from PC18 and PC4, respectively |
| Pheasant          | <i>Phasianus colchicus</i>  |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 8          | 4                         |  |

| Common name             | Taxon name                     | Schedule 1 | SSSI/SPA species <sup>3</sup> | NERC S41 | Annex 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | Peak count | Location(s) of peak count | Comments  |
|-------------------------|--------------------------------|------------|-------------------------------|----------|---------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|---|
| Raven                   | <i>Corvus corax</i>            |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 12                        |   |
| Red legged partridge    | <i>Alectoris rufa</i>          |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 8          | 6                         |   |
| Redwing                 | <i>Turdus iliacus</i>          | ✓          |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 16         | 8                         |   |
| Reed bunting            | <i>Emberiza schoeniclus</i>    |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 2          | 1                         |   |
| Robin                   | <i>Erithacus rubecula</i>      |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 4          | 18                        |   |
| Rook                    | <i>Corvus frugilegus</i>       |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 230        | 17                        |   |
| Siskin                  | <i>Spinus spinus</i>           |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 20         | 3                         |   |
| Skylark                 | <i>Alauda arvensis</i>         |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 60         | 18                        |   |
| Song thrush             | <i>Turdus philomelos</i>       |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 1, 3, 9, 11, 16           |   |
| Starling                | <i>Sturnus vulgaris</i>        |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 200        | 17                        |   |
| Stock dove              | <i>Columba oenas</i>           |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 20         | 17                        |   |
| Teal                    | <i>Anas crecca</i>             |            | ✓                             |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 80         | 1                         |   |
| Treecreeper             | <i>Certhia familiaris</i>      |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 16                        |   |
| Tree sparrow            | <i>Passer montanus</i>         |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 23         | 4                         |   |
| Unidentified grey goose |                                |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 110        | 19                        | Two records of overflying skeins recorded on 10/11/21 and 21/01/22 from PC20 and PC19, respectively |
| Woodcock                | <i>Scolopax rusticola</i>      |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 15                        |   |
| Woodpigeon              | <i>Columba palumbus</i>        |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1,251      | 15                        |   |
| Wren                    | <i>Troglodytes troglodytes</i> |            |                               |          |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 8          | 5                         |   |
| Yellowhammer            | <i>Emberiza citrinella</i>     |            |                               | ✓        |         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    | 7          | 5                         |   |

**Table 6-2: Summary of All Birds Recorded During Breeding Point Count Surveys<sup>4</sup>**

| Common name      | Taxon name                     | Schedule 1 | SSSI/SPA species <sup>5</sup> | NERC S41 | Annex 1 | 2 | 3 | 4 | 5 | 6 | 7 | 12 | 13 | 14 | 15 | 17 | 18 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | Peak count | Location(s) of peak count | Breeding Status    |
|------------------|--------------------------------|------------|-------------------------------|----------|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|--------------------|
| Blackbird        | <i>Turdus merula</i>           |            |                               |          |         | █ | █ | █ | █ | █ |   | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 3          | 2, 3                      | Confirmed breeding |
| Blackcap         | <i>Sylvia atricapilla</i>      |            |                               |          |         |   | █ |   |   |   |   | █  |    |    | █  |    |    |    |    |    |    |    |    |    |    | 1          | 3, 12, 15                 | Possible breeding  |
| Blue tit         | <i>Cyanistes caeruleus</i>     |            |                               |          |         |   |   | █ |   |   |   |    |    |    | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 6          | 28                        | Confirmed breeding |
| Buzzard          | <i>Buteo buteo</i>             |            |                               |          |         | █ | █ | █ | █ | █ | █ | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 4          | 4                         | Probable breeding  |
| Carrion crow     | <i>Corvus corone</i>           |            |                               |          |         | █ | █ | █ | █ | █ | █ | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 13         | 18                        | Probable breeding  |
| Chaffinch        | <i>Fringilla coelebs</i>       |            |                               |          |         | █ | █ | █ | █ | █ | █ | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 4          | 23, 24                    | Probable breeding  |
| Chiffchaff       | <i>Phylloscopus collybita</i>  |            |                               |          |         |   | █ |   | █ | █ |   | █  |    |    | █  | █  |    |    |    | █  | █  |    | █  |    |    | 2          | 3, 12, 15                 | Probable breeding  |
| Coal tit         | <i>Periparus ater</i>          |            |                               |          |         |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | █  |    |    |    |    | 1          | 24                        | Probable breeding  |
| Collared dove    | <i>Streptopelia decaocto</i>   |            |                               |          |         |   |   |   |   |   |   |    |    |    |    |    |    | █  |    |    |    |    |    |    |    | 2          | 21                        | Probable breeding  |
| Common gull      | <i>Larus canus</i>             |            |                               |          |         |   |   |   | █ |   |   |    |    |    |    |    |    |    |    | █  |    |    |    |    |    | 15         | 5                         | Non-breeding       |
| Corn bunting     | <i>Emberiza calandra</i>       |            |                               | ✓        |         |   |   |   |   |   |   |    |    | █  |    |    |    |    |    |    |    |    |    |    |    | 1          | 14                        | Probable breeding  |
| Dunnock          | <i>Prunella modularis</i>      |            |                               | ✓        |         | █ | █ | █ |   | █ |   | █  |    | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 2          | 14, 15, 28                | Probable breeding  |
| Feral pigeon     | <i>Columba livia domestica</i> |            |                               |          |         |   |   |   |   | █ |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2          | 6                         | Possible breeding  |
| Goldfinch        | <i>Carduelis carduelis</i>     |            |                               |          |         |   | █ |   |   | █ |   | █  |    | █  |    | █  | █  |    |    | █  | █  | █  | █  | █  | █  | 2          | 3, 23, 28                 | Probable breeding  |
| Great tit        | <i>Parus major</i>             |            |                               |          |         | █ |   | █ | █ | █ |   | █  |    | █  |    | █  | █  |    |    | █  | █  | █  | █  | █  | █  | 2          | 5, 25, 26                 | Probable breeding  |
| Greenfinch       | <i>Chloris chloris</i>         |            |                               |          |         |   |   | █ |   | █ |   |    |    |    |    |    |    |    |    |    | █  |    |    |    |    | 4          | 6                         | Probable breeding  |
| Green woodpecker | <i>Picus viridis</i>           |            |                               |          |         |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | █  |    |    |    |    | 1          | 23                        | Possible breeding  |
| Greylag goose    | <i>Anser anser</i>             |            |                               |          |         |   |   |   |   | █ |   |    |    |    | █  |    |    |    |    |    |    |    |    |    |    | 2          | 17                        | Possible breeding  |
| Grey Partridge   | <i>Perdix perdix</i>           |            |                               | ✓        |         |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    | █  |    | 2          | 28                        | Possible breeding  |
| Herring gull     | <i>Larus argentatus</i>        |            |                               | ✓        |         |   |   | █ |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 4                         | Non-breeding       |
| House martin     | <i>Delichon urbicum</i>        |            |                               |          |         |   | █ | █ |   |   |   |    |    | █  |    |    |    |    |    |    |    |    |    |    | █  | 10         | 4                         | Possible breeding  |
| House sparrow    | <i>Passer domesticus</i>       |            |                               | ✓        |         |   |   | █ |   | █ |   | █  |    |    |    |    |    |    | █  |    |    |    |    |    |    | 10         | 6, 21                     | Possible breeding  |

<sup>4</sup> Point count numbers are provided in the header row.  
<sup>5</sup> Qualifying or designated features of the Humber Estuary Ramsar, SPA or SSSI.  
 November 2022



| Common name              | Taxon name                  | Schedule 1 | SSSI/SPA species <sup>5</sup> | NERC S41 | Annex 1 | 2 | 3 | 4 | 5 | 6 | 7 | 12 | 13 | 14 | 15 | 17 | 18 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | Peak count | Location(s) of peak count | Breeding Status   |
|--------------------------|-----------------------------|------------|-------------------------------|----------|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|---|
| Jackdaw                  | <i>Corvus monedula</i>      |            |                               |          |         | █ |   |   | █ |   | █ |    |    |    | █  |    |    |    |    |    |    | █  |    |    |    | 12         | 17                        | Possible breeding   |
| Jay                      | <i>Garrulus glandarius</i>  |            |                               |          |         |   |   |   |   |   |   |    |    |    | █  |    |    |    |    |    |    | █  |    |    |    | 1          | 15, 24                    | Possible breeding   |
| Kestrel                  | <i>Falco tinnunculus</i>    |            |                               |          |         | █ |   | █ | █ |   |   |    |    |    |    | █  |    |    |    | █  | █  |    |    |    |    | 2          | 23                        | Possible breeding   |
| Lapwing                  | <i>Vanellus vanellus</i>    |            | ✓                             | ✓        |         |   |   |   |   |   |   |    |    |    |    | █  |    |    |    |    |    |    |    |    |    | 4          | 17                        | Confirmed breeding (2 breeding pairs)                                   |
| Lesser Black-backed Gull | <i>Larus fuscus</i>         |            |                               |          |         |   |   |   | █ |   |   | █  |    |    |    |    |    |    |    |    |    |    |    |    |    | 3          | 5                         | Non-breeding  |
| Linnet                   | <i>Linaria cannabina</i>    |            |                               | ✓        |         | █ | █ | █ | █ | █ | █ | █  | █  |    | █  | █  |    | █  | █  | █  | █  |    | █  | █  | █  | 17         | 5                         | Confirmed breeding  |
| Long tailed tit          | <i>Aegithalos caudatus</i>  |            |                               |          |         | █ |   |   | █ |   |   |    |    |    |    |    |    |    |    |    | █  |    |    |    |    | 5          | 2                         | Possible breeding   |
| Magpie                   | <i>Pica pica</i>            |            |                               |          |         |   |   |   |   |   |   | █  | █  |    |    |    | █  | █  |    | █  | █  |    |    |    | █  | 2          | 13, 18, 24, 28            | Possible breeding   |
| Marsh harrier            | <i>Circus aeruginosus</i>   | ✓          | ✓                             |          | ✓       |   |   |   |   |   |   |    |    |    |    | █  |    |    |    |    |    |    |    |    |    | 1          | 17                        | Possible breeding (1 female [09/06/22])                                 |
| Meadow pipit             | <i>Anthus pratensis</i>     |            |                               |          |         |   |   |   | █ |   |   |    | █  |    |    |    |    |    |    | █  |    | █  |    | █  |    | 1          | 5, 13, 23, 25, 27         | Possible breeding   |
| Mistle thrush            | <i>Turdus viscivorus</i>    |            |                               |          |         |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | █  |    | █  |    |    | 1          | 24, 26                    | Possible breeding   |
| Peregrine                | <i>Falco peregrinus</i>     | ✓          |                               |          | ✓       |   |   |   |   |   |   |    |    |    |    | █  |    |    |    |    |    |    |    |    |    | 4          | 18                        | Confirmed breeding  |
| Pied wagtail             | <i>Motacilla alba</i>       |            |                               |          |         | █ |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    | █  | █  | █  | 2          | 26                        | Possible breeding   |
| Pheasant                 | <i>Phasianus colchicus</i>  |            |                               |          |         | █ |   | █ | █ |   |   | █  |    | █  | █  | █  | █  | █  | █  | █  |    | █  |    | █  | █  | 2          | 4, 15, 26                 | Possible breeding   |
| Raven                    | <i>Corvus corax</i>         |            |                               |          |         |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | █  |    |    |    |    | 2          | 24                        | Possible breeding   |
| Red legged partridge     | <i>Alectoris rufa</i>       |            |                               |          |         |   |   |   |   |   |   |    |    | █  | █  | █  |    |    |    |    |    |    |    | █  |    | 2          | 15, 17                    | Possible breeding   |
| Redwing                  | <i>Turdus iliacus</i>       | ✓          |                               |          |         | █ |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 3                         | Non-breeding (registration of a wintering migrant recorded on 18/03/22) |
| Reed bunting             | <i>Emberiza schoeniclus</i> |            |                               | ✓        |         | █ |   | █ | █ |   |   |    | █  |    |    |    |    |    | █  |    |    |    |    |    |    | 4          | 7                         | Probable breeding   |
| Red kite                 | <i>Milvus milvus</i>        | ✓          |                               |          | ✓       |   |   |   |   |   |   |    |    |    |    | █  |    |    |    |    |    |    |    |    |    | 1          | 18                        | Possible breeding   |

| Common name    | Taxon name                     | Schedule 1 | SSSI/SPA species <sup>5</sup> | NERC S41 | Annex 1 | 2 | 3 | 4 | 5 | 6 | 7 | 12 | 13 | 14 | 15 | 17 | 18 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | Peak count | Location(s) of peak count | Breeding Status   |
|----------------|--------------------------------|------------|-------------------------------|----------|---------|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|---------------------------|-------------------|
| Robin          | <i>Erithacus rubecula</i>      |            |                               |          |         | █ | █ |   | █ | █ |   | █  |    |    | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 2          | 2, 15, 23, 24, 25         | Probable breeding |
| Rook           | <i>Corvus frugilegus</i>       |            |                               |          |         | █ |   |   | █ |   |   | █  |    |    | █  | █  | █  | █  |    |    | █  |    |    |    |    | 55         | 17                        | Possible breeding |
| Skylark        | <i>Alauda arvensis</i>         |            |                               | ✓        |         | █ | █ | █ | █ | █ | █ | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 14         | 25                        | Probable breeding |
| Song thrush    | <i>Turdus philomelos</i>       |            |                               | ✓        |         | █ |   | █ |   |   |   |    |    |    | █  |    |    |    |    |    | █  |    |    |    |    | 2          | 2                         | Probable breeding |
| Sparrowhawk    | <i>Accipiter nisus</i>         |            |                               |          |         |   | █ |   | █ |   |   | █  |    | █  |    |    |    |    | █  | █  |    |    |    |    |    | 1          | 3, 5, 12, 14, 22, 23      | Possible breeding |
| Starling       | <i>Sturnus vulgaris</i>        |            |                               | ✓        |         |   |   |   | █ |   | █ |    |    |    |    |    |    | █  | █  | █  |    |    |    |    |    | 25         | 23                        | Possible breeding |
| Stock dove     | <i>Columba oenas</i>           |            |                               |          |         | █ |   |   | █ | █ | █ | █  | █  |    | █  |    |    | █  | █  | █  | █  | █  | █  | █  | █  | 10         | 7                         | Possible breeding |
| Swallow        | <i>Hirundo rustica</i>         |            |                               |          |         | █ | █ | █ | █ |   |   |    |    | █  | █  | █  |    |    |    |    |    |    | █  |    |    | 3          | 2, 3                      | Possible breeding |
| Swift          | <i>Apus apus</i>               |            |                               |          |         | █ | █ |   | █ |   |   |    |    |    | █  |    |    |    |    |    |    |    |    |    |    | 2          | 3, 5                      | Possible breeding |
| Treecreeper    | <i>Certhia familiaris</i>      |            |                               |          |         |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    | █  |    |    |    |    | 1          | 24                        | Possible breeding |
| Whitethroat    | <i>Curruca communis</i>        |            |                               |          |         |   | █ | █ |   |   | █ |    | █  |    | █  |    | █  |    |    | █  |    |    |    |    |    | 2          | 23                        | Probable breeding |
| Woodcock       | <i>Scolopax rusticola</i>      |            |                               |          |         |   |   |   | █ |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1          | 5                         | Possible breeding |
| Woodpigeon     | <i>Columba palumbus</i>        |            |                               |          |         | █ | █ | █ | █ | █ | █ | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | █  | 152        | 5                         | Probable breeding |
| Wren           | <i>Troglodytes troglodytes</i> |            |                               |          |         | █ |   | █ | █ |   |   | █  |    | █  | █  |    |    | █  | █  | █  | █  |    |    |    |    | 3          | 2                         | Probable breeding |
| Yellowhammer   | <i>Emberiza citrinella</i>     |            |                               | ✓        |         | █ |   | █ | █ | █ | █ | █  | █  | █  | █  |    | █  |    |    | █  | █  | █  | █  | █  | █  | 3          | 26, 27                    | Probable breeding |
| Yellow wagtail | <i>Motacilla flava</i>         |            |                               | ✓        |         |   | █ |   |   | █ | █ |    |    |    |    |    |    |    |    | █  |    |    |    |    |    | 2          | 3                         | Possible breeding |

**Table 6-3: Summary Results of all Ornithology Surveys Completed to Date, for Priority Species**

| Common Name         | Taxon Name                    | Schedule 1 | SSSI/SPA species <sup>6</sup> | NERC S41 | Annex 1 | Non-breeding Point Counts | Breeding Point Counts | Non-breeding FLL surveys | Breeding FLL surveys | Other surveys | Peak count          | Location(s) of peak count                | Comments/status  |
|---------------------|-------------------------------|------------|-------------------------------|----------|---------|---------------------------|-----------------------|--------------------------|----------------------|---------------|---------------------|--|--|
| Avocet              | <i>Recurvirostra avosetta</i> | ✓          | ✓                             |          | ✓       |                           |                       | ✓                        | ✓                    | ✓             | 8-10 breeding pairs |  | Breeds at two locations within the Survey Area   |
| Bar-tailed godwit   | <i>Limosa lapponica</i>       |            | ✓                             |          | ✓       |                           |                       | ✓                        |                      |               | 11                  | Rosper Road Pools                        |  |
| Black-tailed godwit | <i>Limosa limosa</i>          | ✓          | ✓                             | ✓        |         |                           |                       | ✓                        | ✓                    | ✓             | 240                 | Rosper Road Pools                        | Also feeds on Killingholme Marshes north of Rosper Road Pools  |
| Bullfinch           | <i>Pyrrhula pyrrhula</i>      |            |                               | ✓        |         | ✓                         |                       | ✓                        | ✓                    | ✓             | 1                   | PC1, PC9, PC10                           | Woodland and hedgerows.  |
| Common scoter       | <i>Melanitta nigra</i>        | ✓          | ✓                             | ✓        |         |                           |                       | ✓                        | ✓                    |               |                     | Offshore                                 | Recorded offshore at Theddlethorpe   |
| Corn bunting        | <i>Emberiza calandra</i>      |            |                               | ✓        |         |                           | ✓                     |                          |                      |               | 1                   | PC14                                     |  |
| Curlew              | <i>Numenius arquata</i>       |            | ✓                             | ✓        |         |                           |                       | ✓                        | ✓                    |               | 75                  | South West of Theddlethorpe Gas Terminal | Also present at Rosper Road Pools and feeds on Killingholme Marshes. Regularly feeds in small numbers in fields adjacent to Immingham Cemetary, adjacent to the Draft Order Limits.            |
| Dunlin              | <i>Calidris alpina</i>        |            | ✓                             |          |         |                           |                       |                          | ✓                    |               | 1                   | Theddlethorpe Wader Mitigation Area      |  |
| Dunnock             | <i>Prunella modularis</i>     |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 11                  | PC9                                      | Widespread. Localised probable breeder.  |
| Fieldfare           | <i>Turdus pilaris</i>         | ✓          |                               |          |         | ✓                         |                       | ✓                        |                      |               | 180                 | Between Manby and Theddlethorpe          | Widespread feeding on farmland.  |
| Golden plover       | <i>Pluvialis apricaria</i>    |            | ✓                             |          | ✓       | ✓                         |                       | ✓                        |                      |               | 700 flying          | Theddlethorpe All Saints.                | Widespread feeding on farmland within the southern half of the survey area during winter, especially between Manby and Theddlethorpe All Saints. Occasional scattered singles and twos between |

<sup>6</sup> Qualifying or designated features of the Humber Estuary Ramsar, SPA or SSSI. November 2022

| Common Name             | Taxon Name               | Schedule 1 | SSSI/SPA species <sup>6</sup> | NERC S41 | Annex 1 | Non-breeding Point Counts | Breeding Point Counts | Non-breeding FLL surveys | Breeding FLL surveys | Other surveys | Peak count                  | Location(s) of peak count                                  | Comments/status  |
|-------------------------|--------------------------|------------|-------------------------------|----------|---------|---------------------------|-----------------------|--------------------------|----------------------|---------------|-----------------------------|--|--|
|                         |                          |            |                               |          |         |                           |                       |                          |                      |               |                             |  | Stallingborough and Immingham.   |
| Great black-backed gull | <i>Larus marinus</i>     |            |                               |          |         |                           |                       | ✓                        |                      |               | 1 flying                    | Two Mile Bank, between Manby and Theddlethorpe             |  |
| Green sandpiper         | <i>Tringa ochropus</i>   | ✓          | ✓                             |          |         |                           |                       | ✓                        |                      |               | 1                           | Near Causeway Bridge Farm, between Manby and Theddlethorpe |  |
| Greenfinch              | <i>Chloris chloris</i>   |            |                               |          |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 4                           | PC6  | Localised non-breeder and probable breeder, predominantly in the northern half of the survey area                                |
| Grey partridge          | <i>Perdix perdix</i>     |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 10                          | PC6, PC8   | Widespread non-breeder and localised probable breeder  |
| Greenshank              | <i>Tringa nebularia</i>  | ✓          | ✓                             |          |         |                           |                       | ✓                        |                      |               | 1 flying                    | Near Causeway Bridge Farm, between Manby and Theddlethorpe |  |
| Herring gull            | <i>Larus argentatus</i>  |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        |                      |               | 15                          | PC12   | Widespread non-breeder feeding on open farmland. Localised and infrequent inland during breeding season                          |
| Hen harrier             | <i>Circus cyaneus</i>    | ✓          | ✓                             | ✓        | ✓       |                           |                       | ✓                        | ✓                    |               | 1                           | Theddlethorpe and Grimoldby                                |  |
| Hobby                   | <i>Buteo subbuteo</i>    | ✓          |                               |          |         |                           |                       |                          |                      | ✓             | 2 (minimum 1 breeding pair) |  | Hunting and breeding recorded  |
| House sparrow           | <i>Passer domesticus</i> |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 15                          | Between Manby and Theddlethorpe                            | Localised resident and probable breeder. Widespread  |
| Kingfisher              | <i>Alcedo atthis</i>     | ✓          |                               |          | ✓       |                           |                       |                          | ✓                    | ✓             | 2                           |  | Two watercourses within the survey area.   |
| Lapwing                 | <i>Vanellus vanellus</i> |            | ✓                             | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 600                         | Theddlethorpe  | Widespread non-breeding feeding flocks. Key locations are Rosper Road Pools, North Killingholme Marshes, farmland in the Manby - |

| Common Name          | Taxon Name                   | Schedule 1 | SSSI/SPA species <sup>6</sup> | NERC S41 | Annex 1 | Non-breeding Point Counts | Breeding Point Counts | Non-breeding FLL surveys | Breeding FLL surveys | Other surveys | Peak count                                 | Location(s) of peak count             | Comments/status  |
|----------------------|------------------------------|------------|-------------------------------|----------|---------|---------------------------|-----------------------|--------------------------|----------------------|---------------|--|---------------------------------------|--|
|                      |                              |            |                               |          |         |                           |                       |                          |                      |               |  |                                       | Theddlethorpe area areas. Occasional feeding and overflying winter flocks adjacent to the Draft Order Limits at Aylesby and Irby on Humber. Bred near Point Count 17 and probable breeding northern end of North Killingholme Marshes. |
| Linnet               | <i>Linaria cannabina</i>     |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 17   | PC5                                   | Widespread non-breeder feeding on farmland. Localised but widespread probable breeder  |
| Little egret         | <i>Egretta garzetta</i>      |            |                               |          | ✓       | ✓                         |                       | ✓                        | ✓                    |               | 4  | Theddlethorpe Wader Mitigation Area   | Localised non-breeder, present in small numbers  |
| Little ringed plover | <i>Charadius dubius</i>      | ✓          |                               |          |         |                           |                       | ✓                        |                      | ✓             | Minimum 12 individuals, 3-4 breeding pairs | Two locations                         | Bred at one location within the survey area  |
| Mallard              | <i>Anas platyrhynchos</i>    |            | ✓                             |          |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 87   | Rosper Road pools                     | Confirmed breeding and non-breeding/roosting   |
| Marsh harrier        | <i>Circus aeruginosus</i>    | ✓          | ✓                             |          | ✓       |                           | ✓                     |                          | ✓                    |               | 1  | PC17 & Killingholme Marshes grassland | Possible breeding in the wider area  |
| Mistle thrush        | <i>Turdus viscivorus</i>     |            |                               |          |         | ✓                         | ✓                     | ✓                        |                      |               | 1  | PC17, PC24, PC26                      | Possible breeding. Widespread  |
| Oystercatcher        | <i>Haematopus ostralegus</i> |            | ✓                             |          |         |                           |                       |                          | ✓                    |               | 6  | Theddlethorpe Wader Mitigation Area   |  |
| Peregrine            | <i>Falco peregrinus</i>      | ✓          |                               |          | ✓       | ✓                         | ✓                     | ✓                        |                      |               | 4  |                                       | Confirmed breeding. Present year-round.  |
| Pintail              | <i>Anas acuta</i>            | ✓          |                               |          |         | ✓                         |                       | ✓                        |                      |               | 18   | Rosper Road Pools                     | Non-breeding only  |
| Pink-footed goose    | <i>Anser brachyrhynchus</i>  |            |                               |          |         | ✓                         |                       | ✓                        |                      |               | 2,100                                      | Manby - Theddlethorpe                 | Rare on point counts. Occasional skeins over northern parts of survey area but no use of habitats here. Autumn/winter feeding in   |

| Common Name  | Taxon Name                  | Schedule 1 | SSSI/SPA species <sup>6</sup> | NERC S41 | Annex 1 | Non-breeding Point Counts | Breeding Point Counts | Non-breeding FLL surveys | Breeding FLL surveys | Other surveys | Peak count | Location(s) of peak count                             | Comments/status   |
|--------------|-----------------------------|------------|-------------------------------|----------|---------|---------------------------|-----------------------|--------------------------|----------------------|---------------|------------|---|---|
|              |                             |            |                               |          |         |                           |                       |                          |                      |               |            |   | large numbers on farmland between Manby and TGT in November 2021 - February 2022.       |
| Pochard      | <i>Aythya ferina</i>        |            | ✓                             |          |         |                           |                       | ✓                        |                      |               | 3          | Rosper Road Pools                                     |   |
| Red kite     | <i>Milvus milvus</i>        | ✓          |                               |          | ✓       | ✓                         |                       |                          |                      |               | 1          |   | Recorded overflying. Possible breeding in the wider area.                               |
| Redshank     | <i>Tringa totanus</i>       |            | ✓                             |          |         |                           |                       | ✓                        | ✓                    |               | 12         | Theddlethorpe Wader Mitigation Area                   |   |
| Redwing      | <i>Turdus iliacus</i>       | ✓          |                               |          |         | ✓                         | ✓                     | ✓                        |                      |               | 16         | PC8   | Non-breeding. Widespread in small numbers as a wintering bird feeding on open farmland. |
| Reed bunting | <i>Emberiza schoeniclus</i> |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 4          | PC7   | Probable breeding and wintering.  |
| Ruff         | <i>Calidris pugnax</i>      | ✓          | ✓                             |          | ✓       |                           |                       |                          | ✓                    | ✓             | 4          | Near Yarburgh and Theddlethorpe Wader Mitigation Area | Overflying during an autumn scoping visit   |
| Shelduck     | <i>Tadorna tadorna</i>      |            | ✓                             |          |         |                           |                       | ✓                        | ✓                    |               | 5          | Rosper Road Pools                                     |   |
| Skylark      | <i>Alauda arvensis</i>      |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 60         | PC18  | Widespread as a breeding and wintering farmland species                                 |
| Snipe        | <i>Gallinago gallinago</i>  |            |                               |          |         |                           |                       | ✓                        |                      |               | 4          | Near Little London, West of Stallingborough           | Localised feeding in fields.  |
| Song thrush  | <i>Turdus philomelos</i>    |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 2          | PC2   | Non-breeding and probable breeding. Widespread in small numbers.                        |
| Starling     | <i>Sturnus vulgaris</i>     |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 800        | Between Manby and Theddlethorpe                       | Non-breeding and possible breeding. Widespread feeding on farmland in winter.           |
| Swift        | <i>Apus apus</i>            |            |                               |          |         |                           | ✓                     |                          |                      |               | 2          | PC3, PC5  | A possible breeder in the southern half of the survey area.                             |

| Common Name             | Taxon Name                 | Schedule 1 | SSSI/SPA species <sup>6</sup> | NERC S41 | Annex 1 | Non-breeding Point Counts | Breeding Point Counts | Non-breeding FLL surveys | Breeding FLL surveys | Other surveys | Peak count | Location(s) of peak count           | Comments/status   |
|-------------------------|----------------------------|------------|-------------------------------|----------|---------|---------------------------|-----------------------|--------------------------|----------------------|---------------|------------|-------------------------------------|---|
| Teal                    | <i>Anas crecca</i>         |            | ✓                             |          |         | ✓                         |                       | ✓                        | ✓                    |               | 130        | Rosper Road Pools                   | Predominantly at Rosper Road Pools and the field between TGT and Theddlethorpe Dunes in winter. |
| Tree sparrow            | <i>Passer montanus</i>     |            |                               | ✓        |         | ✓                         |                       | ✓                        | ✓                    |               | 23         | PC4                                 | A very localised breeding and non-breeding resident.  |
| Unidentified grey goose |                            |            |                               |          |         | ✓                         |                       |                          |                      |               | 110        | PC19                                | Two registrations of overflying winter skeins at PC19 and PC20. No other habitat use observed.  |
| Wigeon                  | <i>Anas penelope</i>       |            | ✓                             |          |         |                           |                       | ✓                        | ✓                    |               | 850        | Theddlethorpe Wader Mitigation Area | Also present in modest numbers at Rosper Road Pools.  |
| Woodcock                | <i>Scolopax rusticola</i>  |            |                               |          |         |                           | ✓                     |                          |                      |               | 1          | PC5                                 | Possible breeding.  |
| Yellowhammer            | <i>Emberiza citrinella</i> |            |                               | ✓        |         | ✓                         | ✓                     | ✓                        | ✓                    |               | 7          | PC5                                 | Widespread in small numbers year-round. Probable breeding.                                      |
| Yellow wagtail          | <i>Motacilla flava</i>     |            |                               | ✓        |         |                           | ✓                     |                          | ✓                    |               | 2          | PC3                                 | Widespread in small numbers during breeding season only. Probable breeding                      |