

Breeding Bird Survey Report

Wansbeck Restoration for Climate Change (WRCC)



(Curlew nest at Gallows Hill Farm, May 2024 - © Birdwatch North East)



Prepared for: GROUNDWORK Author: Andrew Kinghorn ACIEEM BSc

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1 INTRODUCTION

1.1 Background and Commission

1.1.1 Birdwatch North East Ltd was commissioned by Groundwork in March 2024 to undertake a series of breeding bird surveys on pockets of land adjacent to the river Wansbeck, Northumberland. The purpose of the surveys was to inform landowners and stakeholders of the status of the avifauna utilising the land.

1.2 The Site

- 1.2.1 What is defined here as "the site" actually comprises of several smaller sites situated around the river Wansbeck in Northumberland, the closest site lies around 10 km west of Morpeth. For the purposes of this report the various parcels of land and their site boundaries will be split up into smaller sites, the first is Middleton North at OS grid reference NZ 07355 84638 (hereafter referred to as "Middleton"), the second is Dene House Farm at OS grid reference NZ 01077 84034 (hereafter referred to as "Dene House"), the third is Ralphshield at OS grid reference NZ 01534 89107, the fourth is Fairnley Farm at OS grid reference NZ 00411 88526 (hereafter referred to as "Fairnley"), the fifth and sixth is Gallows Hill Farm, with one parcel of land to the south at OS grid reference NZ 02413 89084 (hereafter referred to as "Gallows Hill south"), and one parcel of land to the north at OS grid reference NZ 02073 90040 (hereafter referred to as "Gallows Hill north").
- 1.2.2 The land is currently managed primarily for animal agriculture, with the land being utilised for sheep and cattle grazing. However, during the winter months stock is often rotated around the land, with the exception of cattle which are taken into sheds to prevent ground saturation. The wider project focus as undertaken by Groundwork aims to change the land use for each site boundary surveyed. There has been woodland and hedgerow restoration undertaken at both Middleton and Ralphshield. Grassland restoration at Gallows Hill Farm south. Restoration of a riparian corridor at Dene House, Fairnley, and part of Gallows Hill north, with additional peatland restoration at Gallows Hill north.

1.3 Survey Aims

1.3.1 The aim of the survey was to undertake a series of breeding bird surveys (hereafter BBS) to establish the diversity of avifauna within the various site boundaries and immediate surroundings. This data should allow for future comparison of changes in species diversity once restoration works take effect.

2 METHODOLOGIES

2.1 Field Survey

- 2.1.1 All visits were undertaken using a standard approach of Common Bird Census methodology (*Bibby et al. 2000*). The Common Bird Census (hereafter CBC) is a methodology used to map birds and their activities within a survey area, in this instance birds were mapped when they were within the predetermined site boundaries or seen from walked transects.
- 2.1.2 A series of four visits were made to each individual site during each month from April 2024 to July 2024. A transect route was chosen and walked at a slow ambling pace, with the utilisation of existing paths and walkways where possible. The route chosen was walked in reverse on alternate visits. Areas that could not be visited safely due to excessive vegetation or the presence of cattle were instead scanned from a distance.
- 2.1.3 Visits to Gallows Hill north during April, May, and June should be considered as an adapted version of the Brown and Shepherd methodology for censusing upland waders (*Brown et al. 1993*). During these surveys all parts of the site were approached to within 100 meters and all registrations with waders were recorded. It should be considered 'adapted' as there were three visits made as opposed to the recommended two and all registrations with all species were noted, not just with waders.
- 2.1.4 All contacts with birds were recorded whether by sight or sound, these were then plotted onto a QGIS field map using standardised BTO species codes (Standard naming and coding of species and subspecies regularly found in Britain and Ireland (long list)).
- 2.1.5 Upon completion of all surveys the registrations made were transferred onto a mapping system called QGIS. The registrations and their distribution over the surveys then allowed for assessment as to whether or not a species was nonbreeding, possibly, probably, or definitely breeding. During the analysis process standardised BTO Atlas guidance (*Breeding evidence, Bird Atlas*) was used, the categories are defined as follows:

Non-breeding:

- Flying over
- Species summering or on migration

Possible breeding:

- Species encountered in suitable nesting habitat
- A singing male (or calls associated with breeding behaviour) in suitable breeding habitat

Probable breeding:

- Pair observed in suitable breeding habitat
- Territorial behaviour (such as song) on at least two separate visits
- Courtship or display near suitable breeding habitat
- Visiting a probable nest site
- · Anxiety (alarm) calls or agitated behaviour

Nest building or excavation of a burrow

Confirmed breeding:

- Distraction display or feigning injury
- Used nest or egg shells located
- Recently fledged chicks or downy young observed
- Adults seen entering or leaving a nest site
- Adults seen carrying food or faecal sac
- Nest containing eggs
- Nest containing young
- 2.1.6 For the purpose of this report, all species that are considered to be either probable or confirmed breeding (based on BTO Atlas guidance) are marked down as territories. With non-breeding and possible breeding registrations considered as non-breeding for the purpose of this report.

2.2 Surveyors and Weather

- 2.2.1 All survey work was undertaken by Andrew Kinghorn of Birdwatch North East Ltd, an associate member of the Chartered Institute of Ecology and Environmental Management (ACIEEM), an experienced ornithologist with over 18 years of field experience and over six years of consultancy experience.
- 2.2.2 Details of weather conditions during each survey are represented below in *Table* 2.1:

Table 2.1: Survey weather conditions

Site	Date	Time	Temp . (°C)	Cloud cover (%)	Wind dir. and speed (mph)	Vis.	Precipitatio n
Ralphshield	18.04.2024	0630-0800	3	100	WSW10	>2km	Frost with semi hard ground.
Fairnley	18.04.2024	0800-0915	4	100	WSW11	>2km	
Middleton	23.04.2024	0615-0730	5	100	N12	>2km	
Dene House Farm	23.04.2024	0745-0845	6	100	N13	>2km	
Gallows Hill Farm	25.04.2024	0615-0945	4	100 then 20	N8 inc. 13	>2km	Hail shower from 0640 - 0710. Moved onto Gallows Hill north at 0730.
Fairnley	07.05.2024	0545-0715	10	100	NE5	>2km	
Ralphshield	07.05.2024	0715-0845	11	100	NE6	>2km	
Dene House Farm	10.05.2024	0540-0640	11	100	W4	>2km	
Middleton	10.05.2024	0655-0825	13	100	SW4	>2km	

Gallows Hill Farm	13.05.2024	0555-0955	10 inc. 15	30	SSE3	>2km	Moved onto Gallows Hill north at 0715.
Ralphshield	12.06.2024	0515-0630	8 inc. 9	100	W2	>2km	
Fairnley	12.06.2024	0630-0745	8 inc. 9	100	NW2	>2km	
Middleton	14.06.2024	0515-0640	12	90	S4	>2km	
Dene House Farm	14.06.2024	0655-0755	12	20	SW6	>2km	
Gallows Hill Farm	19.06.2024	0550-1000	10 inc. 12	90	NNE4	>2km	Moved onto Gallows Hill north at 0730.
Fairnley	01.07.2024	0520-0640	10	100	W9	>2km	
Ralphshield	01.07.2024	0640-0800	12	100	W12	>2km	
Dene House Farm	02.07.2024	0520-0620	11	100	W7	>2km	
Middleton	02.07.2024	0630-0745	13	100	W8	>2km	
Gallows Hill Farm	08.07.2024	0600-1000	8 inc. 15	0	W5	>2km	Moved onto Gallows Hill north at 0730.

2.3 Potential Limitations

- 2.3.1 The CBC methodology does recommend ten visits to a site, and more recent breeding bird survey guidance has revised this to six (*Breeding bird survey methodology*, *Bird Survey Guidelines*). The latter guidance goes on to comment that fewer survey visits can be justified for projects where there are very limited impacts and where habitats are of low value for birds. Given the nature of this project is restoration (opposed to commercial development) and that site is at the very beginning of its habitat restoration, it was decided that four visits to each individual site would be most appropriate. It allows for a fairer comparison of results made in 2023 where only two visits to each individual site could be made due to date of commission.
- 2.3.2 Areas that could not be accessed safely on a transect route were instead scanned carefully with binoculars from a sensible vantage point, this applied to the north-western section of Gallows Hill north during July's visit due to excessive rank vegetation.
- 2.3.3 High flying species that were not perceived to be interacting with the site in any meaningful way went unrecorded, as did any species perceived to be too distant from the site to be interacting with it.

3 RESULTS

3.1 Field Survey

3.1.1 A total of 79 species were recorded on walked transects, most registrations related to species within the site boundaries and immediate 50-meter buffer zone. A total of 43 were birds of conservation concern, sitting on either the red (15 species) or amber list (28 species). There was only one Schedule 1 species recorded and this was Green Sandpiper (*Wildlife and countryside act 1981*), this species was a passage wader and did not breed on the site or in the immediate vicinity. Full details of species recorded and a further discussion is given in *Table 3.1 to Table 3.12*.

3.2 Species recorded

3.2.1 The tables below (Tables 3.1 to 3.12) detail the entire list of bird species recorded from walked transect routes during all surveys at each site. The discussion column provides more context and discussion where appropriate. This is followed by a series of figures (Figures 1 to 6), these figures show territories based on the principles laid out in BTO Atlas quidance (Breeding evidence, Bird Atlas). A territory of a species is denoted by the presence of that species BTO code (Standard naming and coding of species and subspecies regularly found in Britain and Ireland (long list). n.d.). On many figures there are multiple territories of the same species (e.g. Wren). If a species BTO code does not appear within the figures, but went recorded at that site it will instead appear in the tables related to non-breeding. Species allocated to the non-breeding section does not necessarily mean they definitely did not breed, rather the threshold needed for allocation of a territory was not met (Breeding evidence, Bird Atlas). It should also be acknowledged that just because a species may not have been breeding, this does not mean that species was not either directly or indirectly benefitting from the habitat within the individual site boundaries and surrounding area.

3.3 Discussion

- 3.3.1 A total of 62 species were recording during the breeding season of 2023 when survey work was carried out on the same parcels of land. Though there was a difference in survey effort, only two survey visits were made, with one in late June and another in early July, whereas in 2024 there were a total of four visits from April through to July in 2024. During this year's series of surveys, the total number of species recorded had increased to 79. The number of red list species recorded also increased between the two years, with 13 in 2023 increasing to 15 in 2024. As did the number of amber list species, with 23 recorded in 2024 increasing to 28 in 2024.
- 3.3.2 This project is in its early stages, the results show a good diversity of species across the sites surveys with a good number of both red, amber, and green listed species. With the habitat enhancements it is possible that both the number of territories and the diversity of species will increase.

Table 3.1: Breeding territories at Middleton.

		Conservation	Within site boundary, 50 metre-buffer, and walked transect route.					
English Name	Scientific Name	Status (Stanbury et al. December 2021).	Min No. of Pairs	Max No. of Pairs	Discussion			
Blackbird	Turdus merula	Green	4	4	Widespread in the wider area, a common bird.			
Blackcap	Sylvia atricapilla	Green	1	1	Singing to the north of the site adjacent to the main road.			
Blue Tit	Cyanistes caeruleus	Green	3	3	Present primarily around the western end of the site boundary.			
Buzzard	Buteo buteo	Green	1	1	Bird present on two separate visits, likely breeding in the buffer to the east with the site itself forming part of the territory.			
Carrion Crow	Corvus corone	Green	2	3	Common on site and in the immediate buffer area.			
Chaffinch	Fringilla coelebs	Green	3	3	At least three territories identified, spread across the site and the buffer area.			
Chiffchaff	Phylloscopus collybita	Green	4	4	Present on the site and in the buffer zones, a common and widespread species during the spring and summer.			
Kestrel	Falco tinnunculus	Amber	1	1	Family party in the buffer, seen using the site boundary for foraging opportunities and perching.			
Lesser Redpoll	Acanthis cabaret	Red	1	1	Calling from the buffer zone.			
Linnet	Linaria cannabina	Red	1	1	Foraging in field in the buffer zone.			
Long-tailed Tit	Aegithalos caudatus	Green	1	1	Family party in the eastern buffer.			
Mallard	Anas platyrhynchos	Amber	1	1	Utilising wet areas and the adjacent river courses, often seen in family parties.			
Meadow Pipit	Anthus pratensis	Amber	5	6	At least five territories considered, possibly more. The species makes use of the improved grassland over the southern edge of the site and the grazing areas adjacent to the site boundaries.			
Redstart	Phoenicurus phoenicurus	Amber	1	1	Single territory.			

Reed Bunting	Emberiza schoeniclus	Amber	3	3	A few territories on site, most registrations were of singing males of commuting birds.
Robin	Erithacus rubecula	Green	1	1	Single registrations.
Sand Martin	Riparia riparia	Green	5	7	Birds holding territory over the site and assumed to be breeding on private parts of the bank side that could not be accessed.
Sedge Warbler	Acrocephalus schoenobaenus	Amber	1	1	Most registrations pertain to singing males.
Skylark	Alauda arvensis	Red	2	2	Birds breeding in suitable nesting habitat within the buffer zone.
Song Thrush	Turdus philomelos	Amber	1	1	Single territory held in the western buffer.
Whitethroat	Curruca communis	Amber	2	2	Males holding territory across the central section of the site boundary.
Willow Warbler	Phylloscopus trochilus	Amber	5	5	At least five territories on site, this species is retreating westwards from its former breeding range across much of lowland England.
Woodpigeon	Columba palumbus	Amber	3	5	At least three territories considered to be held in suitable habitat, more could have been present but went undetected.
Wren	Troglodytes troglodytes	Amber	6	7	Most records pertaining to singing males, numbers given are considered conservative.
Yellowhammer	Emberiza citrinella	Red	3	3	Most records pertained to singing males.

Table 3.2: Non-breeding species recorded at Middleton.

English Name	Scientific Name	Conservation Status (Stanbury et al. December 2021).	Number noted during April visit	Number noted during May visit	Number noted during June visit	Number noted during July visit	Discussion
Canada Goose	Branta canadensis	Introduced	2				Flyovers.
Cormorant	Phalacrocorax carbo	Green	2				Flyovers.

Dunnock	Prunella modularis	Amber		1	1	1	All registrations made were of singing males, but spread across the site.
Garden Warbler	Sylvia borin	Green		3		1	Singing males.
Goldfinch	Carduelis carduelis	Green				3	Commuting around the seed/weed areas.
Grasshopper Warbler	Locustella naevia	Red	1				Male reeling.
Great Tit	Parus major	Green			1		Single registration.
Green Sandpiper	Tringa ochropus	Amber			1		Passage bird.
Grey Heron	Ardea cinerea	Green				4	Post breeding dispersal.
Jay	Garrulus glandarius	Green	1				Calling.
Magpie	Pica pica	Green	1			1	Potentially controlled under licence in the immediate area.
Mistle Thrush	Turdus viscivorus	Red	1				Single bird seen during April.
Pied Wagtail	Motacilla alba	Green			1		Single bird on one visit only.
Siskin	Spinus spinus	Green	1		2		Flyovers.
Snipe	Gallinago gallinago	Amber	1				Single bird inadvertedly flushed then flew away.
Starling	Sturnus vulgaris	Red	1		3		Flyovers and non- breeders.
Swallow	Hirundo rustica	Green				4	Four flying over the site, considered post breeding dispersal.
Tree Sparrow	Passer montanus	Red		1			Single bird heard calling over the very western end of the site boundary.

Table 3.3: Breeding territories at Dene House farm.

		Conservation	Withi	n site bour	ndary, 50 metre-buffer, and walked transect route.
English Name	Scientific Name	Status (Stanbury et al. December 2021).	Min No. of Pairs	Max No. of Pairs	Discussion
Blue Tit	Cyanistes caeruleus	Green	1	1	Family party noted.
Carrion Crow	Corvus corone	Green	1	1	Juvenile witnessed during June visit.
Chiffchaff	Phylloscopus collybita	Green	2	3	Two or three pairs noted, all registrations made were of singing males.
Grey Wagtail	Motacilla cinerea	Amber	1	1	Family party noted during July visit.
Jay	Garrulus glandarius	Green	1	1	Pair heard calling in the buffer to the south-west of the site during June visit.
Meadow Pipit	Anthus pratensis	Amber	1	1	Breeding around the site, noted on most visits.
Redstart	Phoenicurus phoenicurus	Amber	1	1	Breeding by the farm track, a vocal male on two visits.
Reed Bunting	Emberiza schoeniclus	Amber	1	1	Breeding within the site boundary.
Sand Martin	Riparia riparia	Green	15	20	Nesting holes located within the sand bank on the site, a minimum of 15 pairs, possibly 20. Adults fed over the site boundary.
Sedge Warbler	Acrocephalus schoenobaenus	Amber	1	1	Male singing routinely on three visits.
Skylark	Alauda arvensis	Red	1	1	Breeding to the north-east of the site, could potentially use the site for foraging opportunities.
Swallow	Hirundo rustica	Green	3	6	Breeding amongst suitable farm buildings at Dene House Farm itself. Hard to assess just how many pairs, but these birds were watched foraging over the site boundary itself.
Woodpigeon	Columba palumbus	Amber	1	1	Breeding in the woodland to the south-west of the site boundary.

Wren	Troglodytes troglodytes	Amber	3	3	All registrations pertained to singing males, at least three pairs.
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Table 3.4: Non-breeding species recorded at Dene House farm.

English Name	Scientific Name	Conservation Status (Stanbury et al. December 2021).	Number noted during April visit	Number noted during May visit	Number noted during June visit	Number noted during July visit	Discussion
Blackbird	Turdus merula	Green	1		1		On two visits.
Blackcap	Sylvia atricapilla	Green		1			Singing male on a single visit only.
Buzzard	Buteo buteo	Green	2	1			Noted on two visits.
Chaffinch	Fringilla coelebs	Green		1		1	Birds calling on one visit and signing on another, possible breeder.
Coal Tit	Periparus ater	Green		1			Male singing during May's visit only.
Garden Warbler	Sylvia borin	Green			1		Singing male on one visit only.
Great Spotted Woodpecker	Dendrocopos major	Green			1		Calling bird.
Grey Heron	Ardea cinerea	Green			1	1	Utilising the river Wansbeck, considered post breeding dispersals.
Kestrel	Falco tinnunculus	Amber				1	Hunting.
Lapwing	Vanellus vanellus	Red	2				Likely pre-breeding gathering before dispersal.
Linnet	Linaria cannabina	Red				1	Flying over.
Mallard	Anas platyrhynchos	Amber		2			Pair during May visit.

Mandarin Duck	Aix galericulata	Introduced	2	1		Despite multiple registrations this tree-hole nester did not breed.
Pheasant	Phasianus colchicus	Introduced	1	1		Introduced species.
Robin	Erithacus rubecula	Green		1		Singing male recorded during May visit.
Song Thrush	Turdus philomelos	Amber			1	Singing male on July visit.
Starling	Sturnus vulgaris	Red			4	Post breeding birds.
Willow Warbler	Phylloscopus trochilus	Amber	1			Passage male singing.

Table 3.5: Breeding territories at Ralphshield.

		Conservation	ndary, 50 metre-buffer, and walked transect route.			
English Name	Scientific Name	Status (Stanbury et al. December 2021).	Min No. of Pairs	Max No. of Pairs	Discussion	
Blackbird	Turdus merula	Green	1	1	In the boundary hedges and trees to the eastern end of the site.	
Blue Tit	Cyanistes caeruleus	Green	2	2	At least two pairs.	
Carrion Crow	Corvus corone	Green	1	2	At least one pair, perhaps more. A widespread species in the area.	
Chaffinch	Fringilla coelebs	Green	2	2	Present within the site corridors and the eastern boundary.	
Goldcrest	Regulus regulus	Green	1	1	Singing in plantation to the south of the site boundary.	
Goldfinch	Carduelis carduelis	Green	1	1	Present in the eastern buffer.	

House Martin	Delichon urbicum	Red	1	1	Appeared to be breeding around the building to the north-east buffer of the site boundary.
Jackdaw	Corvus monedula	Green	1	2	At least one pair, potentially two breeding within the site boundary.
Mallard	Anas platyrhynchos	Amber	1	1	Appear to be breeding in the wet areas adjoining the corridors on site. Pair flushed on two dates.
Meadow Pipit	Anthus pratensis	Amber	3	4	Mostly breeding in the mixed cattle and sheep grazing area in the north-west part of the site boundary where the grassland is more suitable.
Oystercatcher	Haematopus ostralegus	Amber	1	1	Pair noted in the immediate vicinity, behaviour highly suggestive of breeding.
Redstart	Phoenicurus phoenicurus	Amber	3	3	Birds breeding with the corridors on site as well as over the southern buffer.
Reed Bunting	Emberiza schoeniclus	Amber	1	1	Pair within the site boundary.
Sand Martin	Riparia riparia	Green	1	1	Using the site for foraging opportunities.
Skylark	Alauda arvensis	Red	2	3	At least two pairs, possibly three.
Song Thrush	Turdus philomelos	Amber	1	1	Singing male on two visits.
Starling	Sturnus vulgaris	Red	2	2	Considered to be at least two pairs, one within the corridor and one within the buffer.
Stonechat	Saxicola rubicola	Green	1	1	Breeding along the south-western corridor of the site.
Swallow	Hirundo rustica	Green	1	1	Considered to be breeding in the cattle shed.
Woodpigeon	Columba palumbus	Amber	2	3	At least two pairs considered to be nesting with a much greater number of individuals noted.
Wren	Troglodytes troglodytes	Amber	3	4	At least three pairs, spread mostly around the site permitter and immediate buffer.

Table 3.6: Non-breeding species recorded at Ralphshield.

English Name	Scientific Name	Conservation Status (Stanbury et al. December 2021).	Number noted during April visit	Number noted during May visit	Number noted during June visit	Number noted during July visit	Discussion
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Blackcap	Sylvia atricapilla	Green			1		Adult male singing.
Buzzard	Buteo buteo	Green			1	1	Flying over and seen perched.
Coal Tit	Periparus ater	Green	1				Present in the plantation to the south of the site.
Common Crossbill	Loxia curvirostra	Green		9		1	Commuting over the site, calling.
Coot	Fulica atra	Green		1			Seen on pond from the transect.
Curlew	Numenius arquata	Red	1	1			Noted commuting over the site on two visits.
Dunnock	Prunella modularis	Amber				1	Singing on a single visit only.
Great Spotted Woodpecker	Dendrocopos major	Green			1		Calling in plantation to the south of the site boundary.
Grey Heron	Ardea cinerea	Green				2	Either one or two birds, could easily have been the same bird commuting in the area.
Lesser Black-backed Gull	Larus fuscus	Amber				1	Commuting over the site.
Pied Wagtail	Motacilla alba	Green	2	1			Using the site for foraging and commuting opportunities.
Pink-footed Goose	Anser brachyrhynchus	Amber	110				Flying north over the site calling.
Raven	Corvus corax	Green				2	Pair calling and lifting up from plantation to the south of the site.
Robin	Erithacus rubecula	Green	2				Singing males in April only.
Rook	Corvus frugilegus	Amber		6			Present on May visit only.

Shelduck	Tadorna tadorna	Amber	1			On April visit only.
Siskin	Spinus spinus	Green	7			Noted during April visits only.
Stock Dove	Columba oenas	Amber	2	1		Possible breeders, but not enough evidence collected.
Treecreeper	Certhia familiaris	Green		1		Calling on single visit only.
Tree Sparrow	Passer montanus	Red			1	Calling to north-east of the site in building in buffer.
Wheatear	Oenanthe oenanthe	Amber	3			Three birds noted on April during passage.

Table 3.7: Breeding territories at Fairnley.

		Conservation	Withir	ı site bour	ndary, 50 metre-buffer, and walked transect route.
English Name	Scientific Name	Status (Stanbury et al. December 2021).	Min No. of Pairs	Max No. of Pairs	Discussion
Blackbird	Turdus merula	Green	1	1	Appear to be holding territory around the felled plantation.
Blue Tit	Cyanistes caeruleus	Green	2	2	Present.
Carrion Crow	Corvus corone	Green	3	3	Widespread in the area.
Chaffinch	Fringilla coelebs	Green	3	3	Adults and juveniles witnessed.
Goldfinch	Carduelis carduelis	Green	2	3	Around the site and buffer.
Great Spotted Woodpecker	Dendrocopos major	Green	1	1	In the plantation to the east of the site boundary.
Grey Wagtail	Motacilla cinerea	Amber	1	1	Single territory held on waterway running through the site.
Jackdaw	Corvus monedula	Green	1	1	Appeared to be breeding in the dead tree to the north/north-east of the site boundary.

Meadow Pipit	Anthus pratensis	Amber	2	2	Breeding in the riparian corridor, due to suitably high grass.
Pied Wagtail	Motacilla alba	Green	2	2	Holding territory both on the site and within the buffer area to the north-east.
Robin	Erithacus rubecula	Green	1	1	Present within the felled area.
Sand Martin	Riparia riparia	Green	1	1	Using the western part of the site for foraging opportunities.
Siskin	Spinus spinus	Green	1	1	Breeding in the plantation to the east of the site boundary.
Song Thrush	Turdus philomelos	Amber	1	1	Singing males on two visits, therefore considered breeding.
Swallow	Hirundo rustica	Green	1	1	Using the site for foraging opportunities.
Tree Sparrow	Passer montanus	Red	2	4	Difficult to ascertain exact number of territories due to birds using private land. But at least two families considered to be present with juveniles seen.
Willow Warbler	Phylloscopus trochilus	Amber	1	1	In the plantation to the east of the site boundary.
Woodpigeon	Columba palumbus	Amber	1	1	Singing birds in plantation to the east of the site boundary.
Wren	Troglodytes troglodytes	Amber	3	3	Breeding within the felled area as well as the plantation to the east of the site boundary.

Table 3.8: Non-breeding species recorded at Fairnley.

English Name	Scientific Name	Conservation Status (Stanbury et al. December 2021).	Number noted during April visit	Number noted during May visit	Number noted during June visit	Number noted during July visit	Discussion
Black-headed Gull	Chroicocephalus ridibundus	Amber				1	Flew over.
Coal Tit	Periparus ater	Green	2				Singing and calling adults.

Collared Dove	Streptopelia decaocto	Green	1			2	Flyovers and feeding on nearby feeders.
Curlew	Numenius arquata	Red	1				Flew over, pre-breeding bird likely dispersing.
Fieldfare	Turdus pilaris	Red	20				Small wintering flock.
Great Black-backed Gull	Larus marinus	Amber	1				Commuting over the site.
Great Tit	Parus major	Green			1		Present.
Grey Heron	Ardea cinerea	Green			1	1	Assumed to be post- breeding dispersal.
Lesser Black-backed Gull	Larus fuscus	Amber		3			Flying over.
Lesser Redpoll	Acanthis cabaret	Red				1	Flying over, calling.
Linnet	Linaria cannabina	Red		2			Calling.
Mallard	Anas platyrhynchos	Amber		1		2	All were on water then flew off.
Red-legged Partridge	Alectoris rufa	Introduced	1				Single bird on one visit only.
Redstart	Phoenicurus phoenicurus	Amber		2			Singing males on May's visit only.
Rook	Corvus frugilegus	Amber			3		Commuting over the site at low altitude.
Sparrowhawk	Accipiter nisus	Amber				1	Flying over the site boundary.
Starling	Sturnus vulgaris	Red				20	Post-breeding aggregation.
Stock Dove	Columba oenas	Amber				3	Considered post- breeding birds.

Table 3.9: Breeding territories at Gallow Hill south.

English Name	Scientific Name	Within site boundary, 50 metre-buffer, and walked transect route.

		Conservation Status (Stanbury et al. December 2021).	Min No. of Pairs	Max No. of Pairs	Discussion	
Blackbird	Turdus merula	Green	1	1	Breeding in hedgerow along the road to farm,	
Blackcap	Sylvia atricapilla	Green	1	1	In copse to the south of farm buildings.	
Blue Tit	Cyanistes caeruleus	Green	5	6	Breeding across the site.	
Carrion Crow	Corvus corone	Green	1	1	Two territories actively held on the site.	
Chaffinch	Fringilla coelebs	Green	3	4	At least three territories held, possibly four. A declining species across most of southern England.	
Chiffchaff	Phylloscopus collybita	Green	3	3	At least three territories, nearly all records pertained to singing or calling individuals.	
Feral Pigeon	Columba livia	Green	1	3	Present around farm buildings.	
Goldfinch	Carduelis carduelis	Green	2	3	At least two territories, but possibly more. A common passerine across most of England.	
Great Spotted Woodpecker	Dendrocopos major	Green	1	1	Territory being held in trees around farmstead.	
Great Tit	Parus major	Green	1	1	Territory appeared to be being held in the quarry area.	
Jackdaw	Corvus monedula	Green	1	2	Appeared to breeding in the area around farmstead.	
Linnet	Linaria cannabina	Red	1	1	At least one pair appeared to be breeding around the quarry area.	
Meadow Pipit	Anthus pratensis	Amber	1	1	Pair within the buffer area.	
Mistle Thrush	Turdus viscivorus	Red	1	1	Pair appeared to be holding territory in the trees to the south of the farmstead.	
Nuthatch	Sitta europaea	Green	2	2	Appeared to be two pairs on site, one around farmstead and one in copse to the south.	
Pied Wagtail	Motacilla alba	Green	1	1	Appeared to holding territory around the farmstead.	
Redstart	Phoenicurus phoenicurus	Amber	1	1	One pair holding territory in the corridors being created at the middle of the site.	
Robin	Erithacus rubecula	Green	3	3	Several pairs around the site.	
Rook	Corvus frugilegus	Amber	3	5	Rookery identified, at least three pairs were noted.	
Skylark	Alauda arvensis	Red	1	1	Single territory just outside of the site and buffer zone.	

Starling	Sturnus vulgaris	Red	1	2	At least one pair appeared to be holding territory around the farmsteads, with possibly a second also in attendance.
Stock Dove	Columba oenas	Amber	1	1	Single pair appeared to be breeding around the vicinity of the farmstead.
Swallow	Hirundo rustica	Green	2	4	At least two pairs could be identified from outside farm buildings without entering, though there are considerably likely to be more.
Tree Sparrow	Passer montanus	Red	2	2	At least two territories present, potentially more.
Willow Warbler	Phylloscopus trochilus	Amber	1	1	Single territory appears to be being held along the 'Wannie Line' that runs through the site.
Woodpigeon	Columba palumbus	Amber	1	2	At least one pair breeding in the copse to the south of the farmstead, but there are likely more pairs that simply went undetected.
Wren	Troglodytes troglodytes	Amber	7	8	At least seven pairs considered to be on site, with more possible. Common and widespread.

Table 3.10: Non-breeding species recorded at Gallows Hill south.

English Name	Scientific Name	Conservation Status (Stanbury et al. December 2021).	Number noted during April visit	Number noted during May visit	Number noted during June visit	Number noted during July visit	Discussion
Bullfinch	Pyrrhula pyrrhula	Amber				1	Single registration on one visit only.
Coal Tit	Periparus ater	Green			1		Single registration made in June.
Curlew	Numenius arquata	Red		3	2		Breeding pair, but this was accounted for in Gallows Hill north, so placed here as not-

							breeding as primarily using Gallows Hill south for foraging opportunities.
Goldcrest	Regulus regulus	Green		2			Singing male.
Goosander	Mergus merganser	Green	1				Single bird flew over the site.
Greenfinch	Chloris chloris	Red	2				Pair noted on one visit only.
Grey Heron	Ardea cinerea	Green		1			A perched bird was seen then flew off.
Reed Bunting	Emberiza schoeniclus	Amber		1			Single registration made in May only.
Sand Martin	Riparia riparia	Green		1			Single registration of a calling bird in May.
Siskin	Spinus spinus	Green			2	1	Calling birds flying over, no pattern suggestive of non-breeding.
Song Thrush	Turdus philomelos	Amber			1	1	Whilst singing males were noted, they were too distant from each other to be considered the same.
Spotted Flycatcher	Muscicapa striata	Red				1	Single observation made in July only, this species was possibly breeding undetected on prior visits.
Tawny Owl	Strix aluco	Green			1		Single bird flushed from stone wall around farm.
Whitethroat	Curruca communis	Amber			1		Single singing male in June could have been a fresh arrival.

Table 3.11: Breeding territories at Gallow Hill north.

		Conservation	Withi	n site bour	ndary, 50 metre-buffer, and walked transect route.			
English Name	Scientific Name	Status (Stanbury et al. December 2021).	Min No. of Pairs	Max No. of Pairs	Discussion			
Blackbird	Turdus merula	Green	1	1	Pair considered to be holding territory in the bushes along the riparian corridor.			
Blue Tit	Cyanistes caeruleus	Green	1	1	Single pair considered to be holding territory in the south-eastern corner of the site.			
Carrion Crow	Corvus corone	Green	1	1	At least one pair, conservative estimate. Not breeding on site, but holding territory for foraging.			
Chaffinch	Fringilla coelebs	Green	2	2	Singing males recorded both within the site boundary and the buffer zone.			
Chiffchaff	Phylloscopus collybita	Green	6	7	At least six, possibly seven territories. Most are on the eastern end of the site boundary and over into the buffer zone.			
Curlew	Numenius arquata	Red	1	1	Single pair foraging on the site, a nest found with eggs within the 50-meter buffer to the south-west of the site boundary.			
Goldfinch	Carduelis carduelis	Green	1	1	At the eastern end of the site boundary, stretching partly into the site buffer zone.			
Grasshopper Warbler	Locustella naevia	Red	2	2	At least two territorial males.			
Linnet	Linaria cannabina	Red	4	6	Spread around the site, through with a definite bias to the eastern end of the site and buffer.			
Mallard	Anas platyrhynchos	Amber	1	1	Single pair considered to be breeding on the site in wet areas.			
Meadow Pipit	Anthus pratensis	Amber	16	20	A very common breeding bird, with semi-improved grassland providing many opportunities for both nesting and foraging.			
Reed Bunting	Emberiza schoeniclus	Amber	4	5	At least four pairs, potentially more.			

Skylark	Alauda arvensis	Red	9	11	A common bird amongst the semi-improved grassland. Difficult to estimate due to species ecology.
Song Thrush	Turdus philomelos	Amber	1	1	Bird holding territory in the buffer to the north-east of the site boundary.
Stonechat	Saxicola rubicola	Green	1	1	Single territory over the northern boundary and buffer of the site.
Swallow	Hirundo rustica	Green	1	1	Birds appear to be holding territory over the site for foraging opportunities.
Whitethroat	Curruca communis	Amber	1	1	Single pair in hedgerow bordering the southern edge of the site boundary.
Willow Warbler	Phylloscopus trochilus	Amber	4	4	Breeding in the woodland within the buffer zone due east of the site.
Woodpigeon	Columba palumbus	Amber	2	2	Not breeding on the site due to lack of suitable nesting locations.
Wren	Troglodytes troglodytes	Amber	5	5	Present primarily around the eastern end of the site boundary where the site meets a woodland plantation.

Table 3.12: Non-breeding species recorded at Gallows Hill north.

English Name	Scientific Name	Conservation Status (Stanbury et al. December 2021).	Number noted during April visit	Number noted during May visit	Number noted during June visit	Number noted during July visit	Discussion
Blackcap	Sylvia atricapilla	Green		1	1		Singing males.
Buzzard	Buteo buteo	Green			1		Commuting over the site, likely using the site for foraging opportunities.
Canada Goose	Branta canadensis	Introduced	1				Flying over the site calling.

		-					
Coal Tit	Periparus ater	Green				1	Singing male in the buffer to the south-east
							of the site.
							Single registration made
Gadwall	Mareca strepera	Amber		1			on one visit only, bird
							landed then flew away.
							Late singing male in the
Great Tit	Parus major	Green				1	buffer to the south-east
							of the site.
Grey Heron	Ardea cinerea	Green			1		Inadvertently flushed.
Grey Wagtail	Motacilla cinerea	Amber			1		Calling.
							Flying over, calling
House Martin	Delichon urbicum	Red			1	1	suggestive of potentially
							breeding.
							Whilst consistently
Kestrel	Falco tinnunculus	Amber	1	1		1	recorded over the site,
Restrei							considered to be not
							breeding.
	Vanellus vanellus	Red					Pair over the south-
Lapwing			2				western buffer of the
Lapwing							site, but not noted
							subsequently.
							Despite flying over at
							roughly the same
Lesser Redpoll	Acanthis cabaret	Red			1	1	location on both visits, it
							was considered to be not
							breeding.
							Whilst present on two
Mandarin Duck	Aix galericulata	Introduced	1		1		visits, it was considered
							the species was not
							breeding on site.
Oystercatcher	Haematopus	Amber			3		Birds flew over calling,
O y Ster caterier	ostralegus	ATTIDET					potentially a family party

							commuting around the area.
Pheasant	Phasianus colchicus	Introduced			1		Single bird flushed during June visit.
Robin	Erithacus rubecula	Green	1		1	1	Potential breeder.
Sand Martin	Riparia riparia	Green		2	1	2	Whilst birds were flying over the site, they were not routinely recorded in any one location. Considered non-breeders.
Shelduck	Tadorna tadorna	Amber		2			A pair on wet areas on site before taking off.
Siskin	Spinus spinus	Green		1			Flyover, calling.
Whinchat	Saxicola rubetra	Red				1	Single male on fence line to the west of the site.
Yellowhammer	Emberiza citrinella	Red		1			Singing male on one visit.

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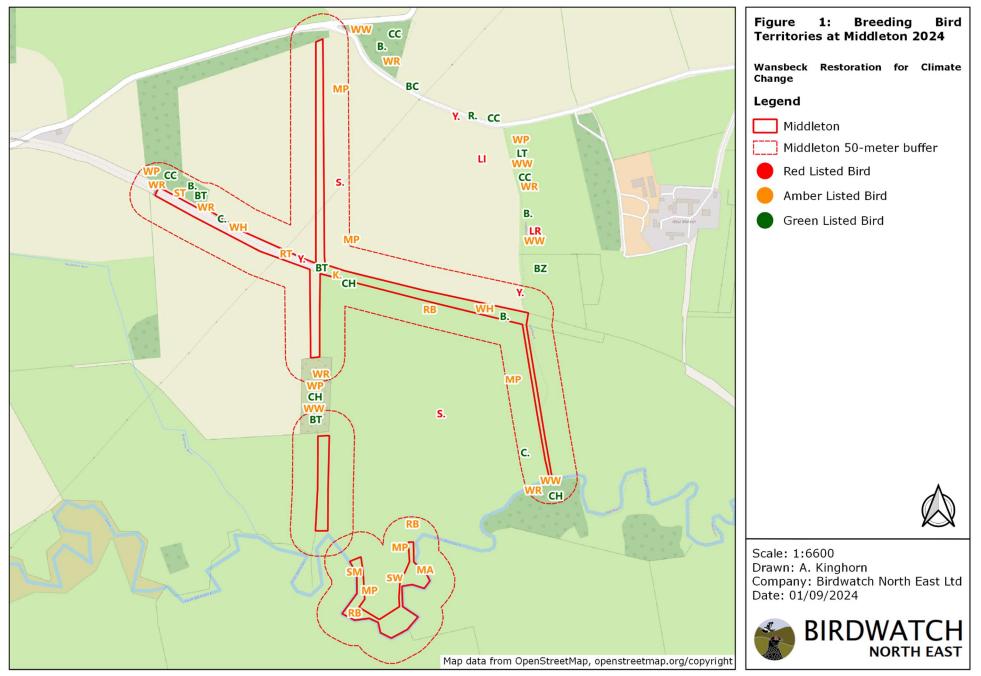
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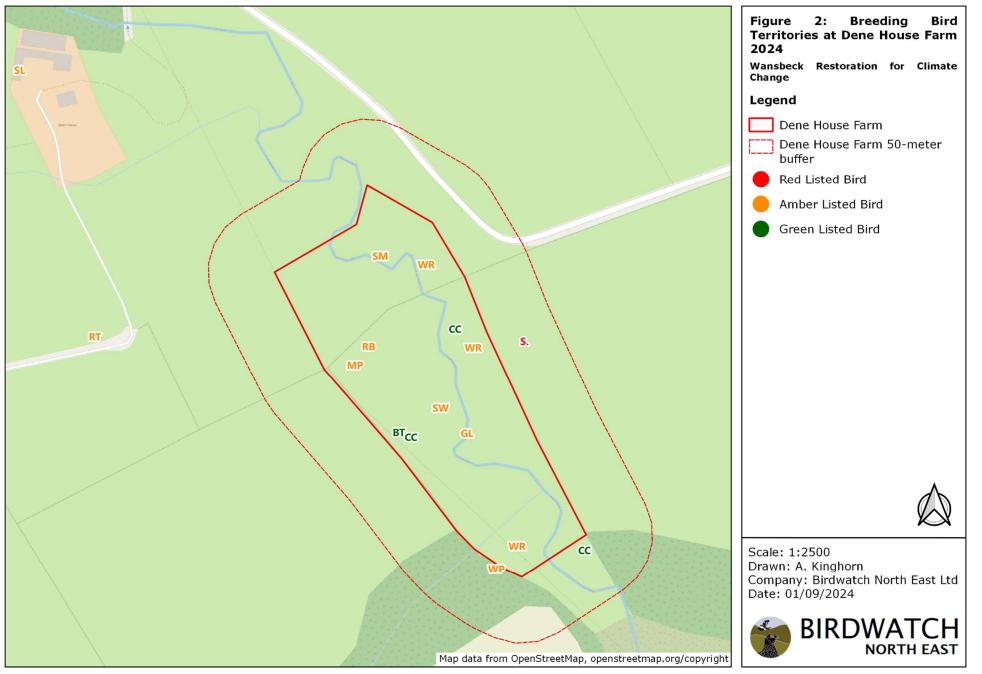
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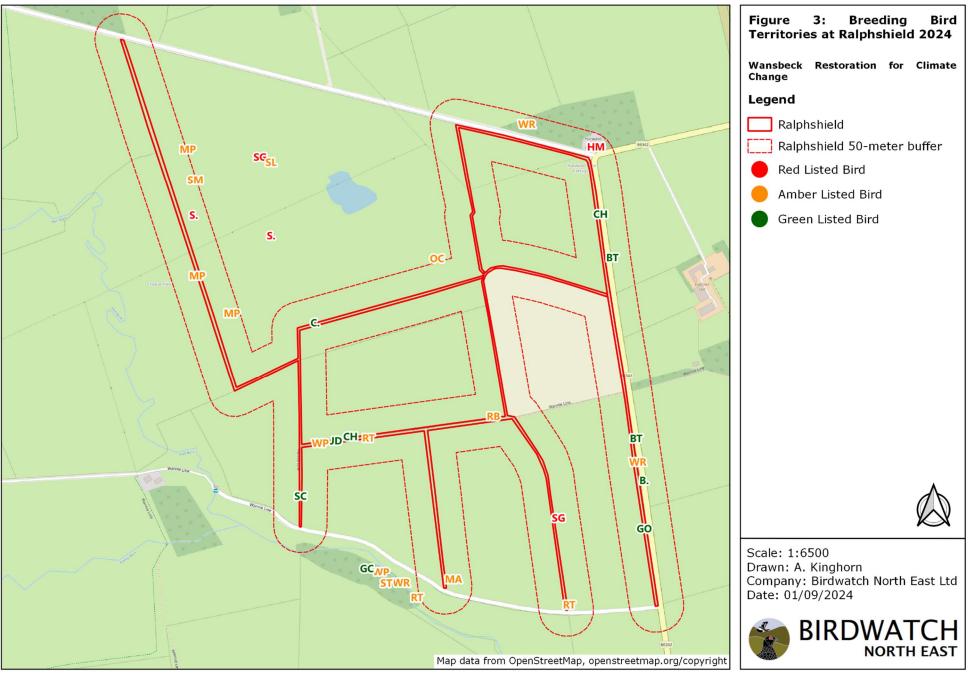
5 FIGURES

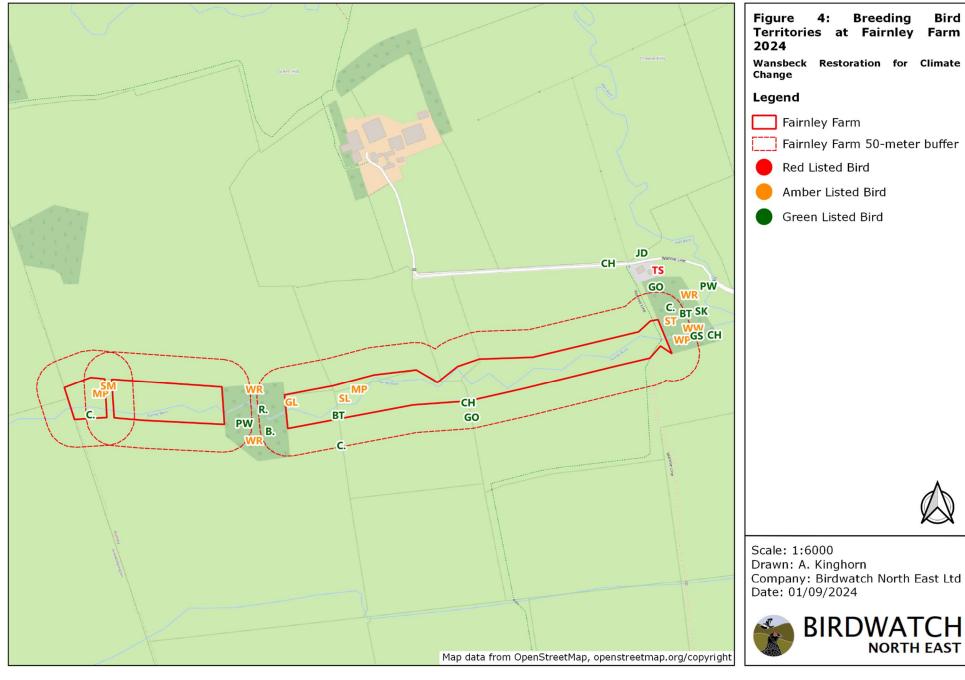
The following figures appear below in the order in which they are listed:

- Figure 1: Breeding Bird Territories at Middleton 2024;
- Figure 2: Breeding Bird Territories at Dene House Farm 2024;
- Figure 3: Breeding Bird Territories at Ralphshield 2024;
- Figure 4: Breeding Bird Territories at Fairnley Farm 2024;
- Figure 5: Breeding Bird Territories at Gallows Hill south 2024; and
- Figure 6: Breeding Bird Territories at Gallows Hill North 2024.









Bird

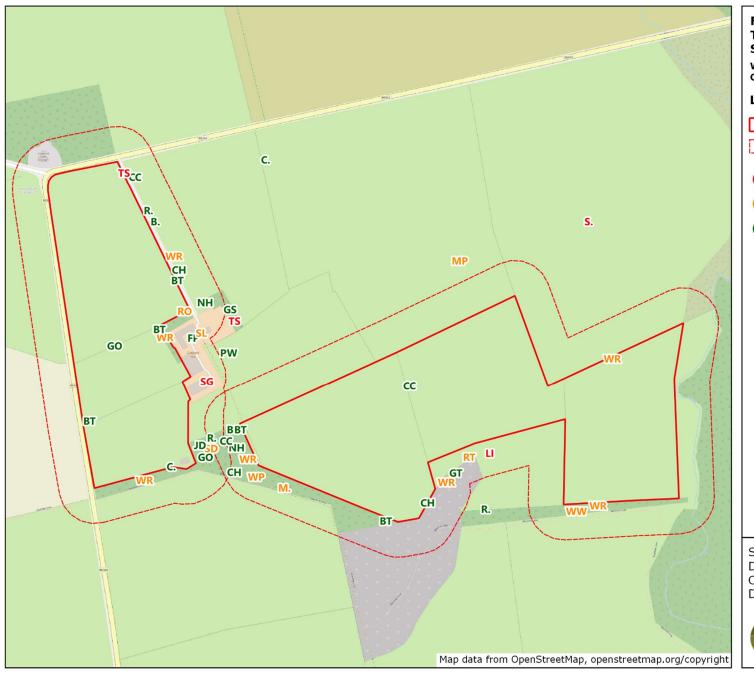


Figure 5: Breeding Bird Territories at Gallows Hill South 2024

Wansbeck Restoration for Climate Change

Legend

Gallows Hill South

Gallows Hill South 50-meter buffer

Red Listed Bird

Amber Listed Bird

Green Listed Bird



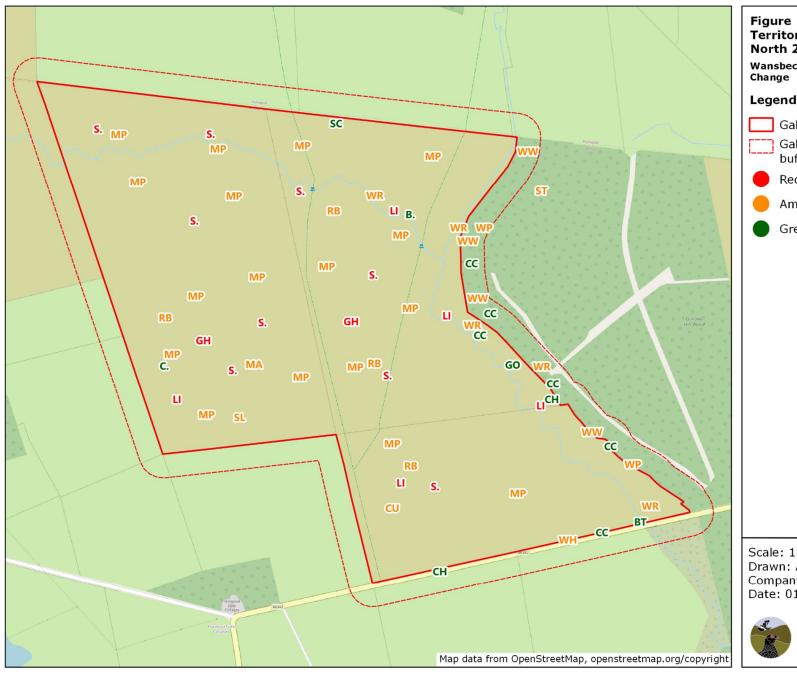
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Drawn: A. Kinghorn

Company: Birdwatch North East Ltd

Date: 01/09/2024





Territories at Gallows Hill North 2024 Wansbeck Restoration for Climate Change Legend Gallows Hill North Gallows Hill North 50-meter buffer Red Listed Bird Amber Listed Bird Green Listed Bird Scale: 1:7000 Drawn: A. Kinghorn Company: Birdwatch North East Ltd

Breeding

Bird

6:

Date: 01/09/2024

