

# AULTMORE WIND FARM REDESIGN

## Technical Appendix 8.1: Ecology Desk Study Report

Prepared for: Vattenfall Wind Power Ltd

SLR Ref: 404.03640.00016  
Version No: 2  
July 2023



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## CONTENTS

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>2</b>
1.1	Site Description .....	2
<b>1.2</b>	<b>Surrounding Area .....</b>	<b>2</b>
1.3	Site History .....	2
1.4	Desk Study Scope .....	2
<b>2.0</b>	<b>METHODS .....</b>	<b>3</b>
2.1	Protected and Notable Species .....	3
2.2	Designated Sites .....	3
2.3	Nomenclature .....	4
<b>3.0</b>	<b>RESULTS .....</b>	<b>5</b>
3.1	Designated Sites .....	5
3.1.1	Statutory Designated Sites .....	5
3.1.2	Non-statutory Designated Sites .....	6
3.1.3	Ancient Woodlands .....	6
3.1.4	Wildcat Priority Site .....	6
3.1.5	Carbon and Peatland Map .....	6
3.2	Protected and Notable Species .....	6
3.2.1	Invertebrates .....	7
3.2.2	Fish and Aquatic Invertebrates .....	7
3.2.3	Ornithology .....	7
3.2.4	Invasive/Non-native Species .....	7
	References .....	8

## DOCUMENT REFERENCES

### TABLES

Table 3-1 Statutory Designated Sites .....	5
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### FIGURES

Figure 8.1.1 Statutory Designated Sites and Ancient Woodland within 10 km

### APPENDICES

APPENDIX 01: Protected/ Notable Species Records

APPENDIX 02: Non-statutory Sites, Designations and Consultation Zones (provided by NESBReC)

## 1.0 Introduction

SLR was commissioned by Vattenfall in June 2021 to undertake an ecological desk study for the proposed Aultmore Wind Farm Redesign (the Site). The Site is located approximately 5.5km north of the nearest large settlement which is the town of Keith, and approximately 6km south west of Buckie. The desk study was completed in August 2021 and the results have been used to inform constraint plans for the proposed development and the associated Environmental Impact Assessment (EIA) Report.

### 1.1 Site Description

The Site is centred on grid reference NJ 42740 58155 and lies between the B9016 and B9018. The Site consists predominantly of an upland plateau of commercial forestry which is managed by the Scottish Forestry on behalf of Scottish Ministers. The forest covers a total area of 2,415 hectares (ha) and is defined in the Scottish Natural Heritage (SNH) *Moray and Nairn Landscape Assessment* (1998) as an 'Uplands' regional landscape character type and locally as an area of 'Upland Farmland', although this Site is completely forested.

A number of small, mostly unnamed watercourses are found across the Site; however, none are located with the areas marked for development.

### 1.2 Surrounding Area

The surrounding area is rural in nature, with land predominantly used for farming, commercial forestry and areas of open moorland. The Site is located within the Moray Council administrative boundary and lies approximately 9km east of the River Spey. There are a number of small groups of residential properties and farms close to the Site, the nearest of which is approximately 50m from the edge of the forest. The three highest hills found across the Site are Millstone Hill (301m above ordnance datum (AOD) in the west, Addie Hill (272m AOD) in the centre of the Site and Old Fir Hill (262m AOD) in the east.

### 1.3 Site History

The Site has been used for commercial forestry from the 1960s and consists of trees of varying ages and a limited amount of ancient woodland, managed by Scottish Forestry.

Aultmore Wind Farm was granted planning permission in 2014 for the construction of 13 turbines. Subsequently, two section 42 applications to vary conditions of the planning consent have been submitted and approved by the Moray Council in 2017 and 2021.

### 1.4 Desk Study Scope

This desk study is designed to give an overview of relevant existing ecological data, including data for protected and notable (e.g., rare or invasive), species and designated sites nearby (up to 10 km for statutory designated sites and bats plus up to 2 km for other protected/notable species and for non-statutory designated sites). The desk study summarises the results of data obtained from the NorthEast Scotland Biological Records Centre (NESBReC), NatureScot Site Link<sup>1</sup> and the Multi Agency Geographic Information for the Countryside (MAGIC) online GIS tool<sup>2</sup>.

<sup>1</sup> <https://sitelink.nature.scot/home>

<sup>2</sup> <https://magic.defra.gov.uk/MagicMap.aspx>

## 2.0 Methods

### 2.1 Protected and Notable Species

Desk study data were acquired from North East Scotland Biological Records Centre (NESBReC) for protected and notable species within 2 km of the Site boundary. Searches for protected and notable species data from NESBReC were limited to:

- Data from all years; and
- From within 10 km of the Site for all bat species; and
- From within 2 km of the Site for all other species.

EIA reports and any post consent/construction information for wind farms and other developments within 2 km of the Site (where available), including:

- Aultmore Wind Farm Environmental Statement: Ecology Chapter (Hyder, 2007) that also summarises relevant information from a previous Environmental Impact Assessment (AMEC, 2003);
- Lurg Hill Wind Farm Environmental Statement (Volume 1) Chapter 13: Ecology and Ornithology (Vento Ludens, 2017); and
- Myreton Crossroads 2 Phase 1 Habitat Survey (RSK, 2009).

The following constructed wind farms were identified within 2km and 10km of the Site; however, environmental documentation was not available for review:

- Myreton Crossroads 1 Wind Farm (1 x 800 kW turbine);
- Netherton of Windyhills Wind Farm (2 x 2.3 MW turbine); and
- Garellhill Wind Farm (1 x 800 kW turbine).

In addition to the above, a data request was also submitted to Forestry and Land Scotland (FLS) in June 2023 for details of records of protected and notable species within 2km of Aultmore Forest.

### 2.2 Designated Sites

Information regarding statutory sites designated for ecological interest, within 10 km of the Aultmore Site, was obtained from the MAGIC online GIS tool. NESBReC provided information relating to non-statutory designated sites with ecological interests up to 2 km from the Aultmore Site. Designation types searched for included:

- Ramsar sites;
- Special Areas of Conservation (SACs);
- Special Protection Areas (SPAs);
- Sites of Special Scientific Interest (SSSIs);
- Locally designated sites such as Local Nature Conservation Sites (LNCS) or Local Wildlife Sites (LWS); and
- Local Nature Reserves (LNR), National Nature Reserves (NNR) and RSPB and Wildlife Trust Reserves.

In addition, the search included woodlands listed on the Ancient Woodland Inventory within 10 km.

## 2.3 Nomenclature

The common (English) names and Latin names for species are used within the main body of the report and appendices (unless a species has no common name).

## 3.0 Results

The information below summarises information on records of all protected/ notable species and designated sites within 2 km of the Site (10 km for statutory designated sites). A more detailed summary is provided in **Appendix 01: Protected/ Notable Species Records** (from all data sources) and **Appendix 02: Non-statutory Sites, Designations and Consultation Zones** (provided by NESBReC).

### 3.1 Designated Sites

#### 3.1.1 Statutory Designated Sites

There are 16 designated sites located within 10 km of the Site boundary, including nine SSSIs, two SACs, three SPAs, two Ramsar sites and one Marine Protected Area (MPA). These are illustrated in **Figure 8.1.1**, with details of each site provided in **Table 3-1**.

**Table 3-1**  
**Statutory Designated Sites**

Site Name and Designation	Distance from Application Site	Direction from Application Site
Mill Wood (SSSI)	4.56 km	S
River Spey (SAC)	5.21 km	SW
Moray Firth (SPA)	5.28 km	WNW
Spey Bay (SSSI)	5.47 km	WNW
River Spey (SSSI)	6.11 km	WSW
Lower River Spey – Spey Bay (SAC)	6.15 km	WNW
Lower River Spey (SSSI)	6.15 km	WNW
Moray and Nairn Coast (SPA)	6.15 km	WNW
Moray and Nairn Coast (Ramsar)	6.15 km	WNW / NW
Lower River Spey Bay (SAC)	6.16 km	WNW
Shiel Wood Pastures (SSSI)	6.21 km	ESE
Cullen to Stake Ness Coast (SSSI)	6.79 km	NNE
Southern Trench (MPA)	6.81 km	ENE
Moss of Crombie (SSSI)	9.03 km	ESE
Den of Pitlurg (SSSI)	9.75 km	S
Whitehill (SSSI)	9.90 km	SE

### 3.1.2 Non-statutory Designated Sites

One Site of Environmentally Sensitive Area (SESA) Botany is located c. 0.8 km east of the Aultmore Site (at OS NGR NJ 44822 58180) as shown on the penultimate map within **Appendix 02**. The Craibstone Quarry SESA Botany site relates to a disused flooded limestone quarry with an adjacent area of mixed woodland and a section of the Deskford Burn. The flooded quarry is largely covered by broadleaved pondweed (*Potamogeton natans*) and holds a few species of amphibians. The trees near the quarry appear to have been planted, possibly to screen the scars of the disused quarry. There is some reseeded of ash (*Fraxinus excelsior*) and sycamore (*Acer pseudoplatanus*). The ground flora near the quarry include species such as common twayblade (*Neottia ovata*) and Intermediate enchanter's nightshade (*Circaea x intermedia*) which are locally scarce.

No further non-statutory designated sites are currently known within 2 km of Site.

### 3.1.3 Ancient Woodlands

NESBReC confirmed there were no ancient woodland sites within 2 km of the Site. Nevertheless, a desk study search of NatureScot SiteLink evidenced various sites; including three areas of ancient woodland within the Site boundary (**Figure 8.1.1**) around the Hill of Stonyslacks, Corsekell Moss and Millstone Hill in the north west of Site (note that no ancient woodland was recorded on site during surveys). A number of other Ancient Woodland sites are shown within the wider 10km study area. A review of their current status is not taken forwards.

### 3.1.4 Wildcat Priority Site

A Wildcat Priority Area, c. 9 km south of Site, is located at Strathbogie.

### 3.1.5 Carbon and Peatland Map

The Scottish Natural Heritage (SNH) (now NatureScot) Carbon and Peatland 2016 Map (SNH, 2016c) was reviewed. This provided a value indicating the likely presence of carbon-rich soils, deep peat and priority peatland habitat for each individually-mapped area, at a coarse scale across Scotland. The following habitats are indicated to be present on Site:

- Class 1: Peat soil supporting peatlands is present in parcels near the westernmost extent of Site, near Herricks Moss/Burn of Thievesbush, east of Hayfield, part of Black Hill and two other locations on Site;
- Class 3: Predominantly peaty soil with some peat soil supporting peatland with some heath is present in less extensive pockets interspersed throughout Site;
- Class 4: Predominantly mineral soil with some peat soil that supports heath with some peatland covers a large proportion of the north western extent of Site and interspersed throughout; and
- Class 5: Peat Soil (no peatland vegetation) covers the majority of the Site.

## 3.2 Protected and Notable Species

Details of protected or notable species recorded on and within 2 km (10 km for bats) of the proposed Site can be found in Table 1, **Appendix 01**. The combined desk study data (from the local records centre and relevant ecological reports), included records of:

- 25 species of plant; including, records of invasive giant hogweed;
- 38 species of notable invertebrates;
- Three species of reptiles and amphibians; namely, palmate newt (*Lissotriton helveticus*), common newt (*Lissotriton vulgaris*) and common lizard (*Zootoca vivipara*);



- Nine species of protected/notable mammals; namely, the legally protected otter (*Lutra lutra*), water vole (*Arvicola aquaticus*), mountain hare (*Lepus timidus*), pine marten (*Martes martes*), red squirrel (*Sciurus vulgaris*), wildcat (*Felis silvestris*) and badger (*Meles meles*) plus notable West European hedgehog (*Erinaceus europaeus*) and brown hare (*Lepus europaeus*); and
- At least five species of bat (within 2 km of the Site; including, common pipistrelle (*Pipistrellus pipistrellus*), soprano pipistrelle (*Pipistrellus pygmaeus*), Daubenton's bat (*Myotis daubentonii*), brown long-eared (*Plecotus auritus*) and noctule (*Nyctalus noctula*), all of which are considered to be at high risk from wind turbines under current guidelines (NatureScot, 2019).

Note that data returned from FLS has not been included within the table in Appendix 01 due to the requirements of the Ordnance Survey (OS) spatial data licence obtained. However, to summarise:

- Numerous badger setts have been identified within the Site boundary and surrounding 2km buffer (see **Technical Appendix 8.3, Confidential Appendix 02** for further details);
- Five red squirrel dreys are known to be present within the Site boundary, with an additional known drey present within 2km of the Site boundary;
- Scottish wood ant *Formica aquilonia* are known to be present within the Site boundary;
- Buzzard *Buteo buteo* nests are known to be present within the Site boundary, while nests pertaining to Schedule 1 species osprey *Pandion haliaetus*, goshawk *Accipiter gentilis* and crested tit *Lophophanes cristatus* are known to nest within 2km of the Site boundary.

### 3.2.1 Invertebrates

Records of 38 species of invertebrates recorded within 2 km of the application Site were returned in the data search. For details of the closest and most recent records see **Appendix 01, Table 1** for details.

### 3.2.2 Fish and Aquatic Invertebrates

No records of fish or aquatic inverts were returned in the data search records or held within previous assessments within 2 km of the Site boundary.

### 3.2.3 Ornithology

The data search found 56 species of bird recorded within 2 km of the proposed Site, see **Appendix 01, Table 1** for details. Protected species recorded include osprey (*Pandion haliaetus*), hen harrier (*Circus cyaneus*), red kite (*Milvus milvus*), peregrine falcon (*Falco peregrinus*), barn owl (*Tyto alba*), redwing (*Turdus iliacus*) and white-tailed eagle (*Haliaeetus albicilla*).

### 3.2.4 Invasive/Non-native Species

Records of one invasive species, giant hogweed (*Heracleum mantegazzianum*), were included in the desk study data.

## References

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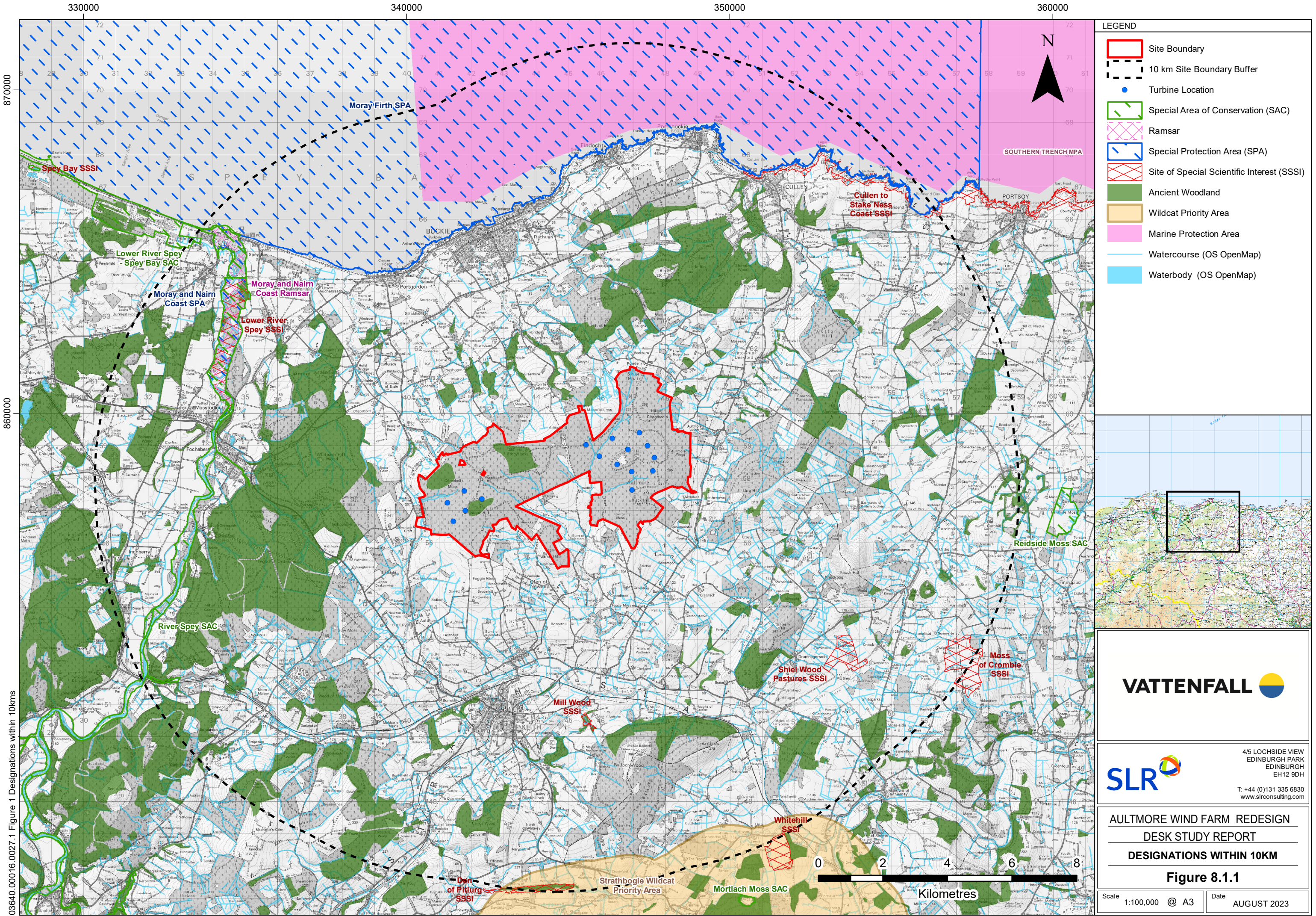
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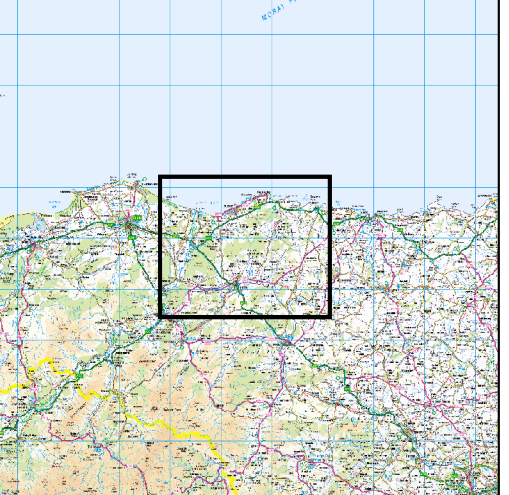
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## FIGURES




**LEGEND**

- Site Boundary
- 10 km Site Boundary Buffer
- Turbine Location
- Special Area of Conservation (SAC)
- Ramsar
- Special Protection Area (SPA)
- Site of Special Scientific Interest (SSSI)
- Ancient Woodland
- Wildcat Priority Area
- Marine Protection Area
- Watercourse (OS OpenMap)
- Waterbody (OS OpenMap)







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**AULTMORE WIND FARM REDESIGN**  
**DESK STUDY REPORT**  
**DESIGNATIONS WITHIN 10KM**

**Figure 8.1.1**

Scale 1:100,000 @ A3

Date AUGUST 2023

03640.00016.0027.1 Figure 1 Designations within 10kms

## APPENDIX 01

### Protected/ Notable Species Records

Appendix 01, Table 1: Summary of Protected/ Notable Species Records

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
<b>Flora</b>					
Annual knawel <i>Scleranthus annuus subsp. Annuus</i>	261 m, S	NESBReC	1845	Name in Craib's Flora = Scleranthus annuus. Whole County status = Frequent	UKPS
Bendy ditrichum <i>Ditrichum flexicaule</i>	261 m, S	NESBReC	1977		SBL S3
Black-bindweed <i>Fallopia convolvulus</i>	261 m, S	NESBReC	1956	Locality given as Keith, Grange Station & Aultmore. Card annotated as SW quadrant, but sites given appear to be from whole hectad.	SBL S5
Caraway <i>Carum carvi</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = Carum carvi Whole County status = Alien	UKPS
Charlock <i>Sinapis arvensis</i>	261 m, S	NESBReC	2016	Name in Craib's Flora = Brassica arvensis Whole County status = Colonist?	SBL S5
Corn mint <i>Mentha arvensis</i>	261 m, S	NESBReC	1972	Card 421	SBL S5

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Cornflower <i>Centaurea cyanus</i>	261 m, S	NESBReC	1845	Name in Craib's Flora = <i>Centaurea cyanus</i> Whole County status = Colonist - not common	UKPS
Field gentian <i>Gentianella campestris</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = <i>Gentiana campestris</i> .	UKPS
Field madder <i>Sherardia arvensis</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = <i>Sherardia arvensis</i> Whole County status = Rather common	SBL S5
Frog orchid <i>Coeloglossum viride</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = <i>Habernaria viridis</i> . Whole County status = Rare	UKPS
Good-King-Henry <i>Chenopodium bonus-henricus</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = <i>Chenopodium bonus-henricus</i> .	SBL S5
Harsh downy-rose <i>Rosa tomentosa</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = <i>Rosa tomentosa</i>	SBL S4
Heath cudweed <i>Gnaphalium sylvaticum</i>	710 m, WSW	NESBReC	1972	From Scarce Plants Project print out.	SBL S5
Intermediate wintergreen <i>Pyrola media</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = <i>Pyrola media</i> . Whole County status = Rare	SBL S5
Juniper <i>Juniperus communis</i>	154 m, WNW	NESBReC	2004	R	UKPS , SBL
Large-flowered hemp-nettle <i>Galeopsis speciosa</i>	261 m, S	NESBReC	1956	Locality given as Keith, Grange Station & Aultmore. Card annotated as SW quadrant, but sites given appear to be from whole hectad.	SBL S5
Lesser butterfly-orchid <i>Platanthera bifolia</i>	173 m, SE	NESBReC	1999		UKPS

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Pretty cord-moss <i>Funaria pulchella</i>	261 m, S	NESBReC	1977		UKPS
Shepherd's-needle <i>Scandix pecten-veneris</i>	261 m, S	NESBReC	1912	Name in Craib's Flora = Scandix pecten-veneris Whole County status = Local	UKPS
Sun spurge <i>Euphorbia helioscopia</i>	261 m, S	NESBReC	1981	Root field	SBL S5
Twinflower <i>Linnaea borealis</i>	261 m, S	NESBReC	1905	Name in Craib's Flora = Linnaea borealis Whole County status = Local	UKPS
White mustard <i>Sinapis alba</i>	1.4 km, WNW	NESBReC	1983	Distribution Map Card gives date as 7/1983.	SBL S5
White ramping-fumitory <i>Fumaria capreolata</i>	261 m, S	NESBReC	1845	Name in Craib's Flora = Fumaria capreolata. Whole County status = Colonist. Same record also in Dickie (1860).	SBL S5
Wild pansy <i>Viola tricolor</i>	0 m, W	NESBReC	1954	Date range = when AJS recorded. Road to Tor Sliag, near summit.	SBL S5
Giant hogweed <i>Heracleum mantegazzianum</i>		NESBReC, Hyder 2007	1992		Invasive non-native plant
<b>Invertebrates</b>					
Anomalous <i>Stilbia anomala</i>	1791 m WNW	NESBReC	2014	Adult, MV Light Trap	UKPS
Autumnal rustic <i>Eugnorisma glareosa</i>	186 m SSE	NESBReC	2016	No quantity given	UKPS
Brindled beauty <i>Lycia hirtaria</i>	1791 m WNW	NESBReC	2015	Adult, MV Light Trap	UKPS

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Brindled ochre <i>Dasyptolia temple</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Broom moth <i>Ceramica pisi</i>	80 m SE	NESBReC	2016	Adult, Skinner Trap (125W MV)	UKPS
Brown-spot pinion <i>Agrochola litura</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Centre-barred sallow <i>Atethmia centrago</i>	1791 m WNW	NESBReC	2016	Adult, Light Trapping	UKPS
Dark brocade <i>Mniotype adusta</i>	80 m SE	NESBReC	2016	Adult, Skinner Trap (125W MV), photo seen, early date	UKPS
Double dart <i>Graphiphora augur</i>	261 m S	NESBReC	2016	Quantity not given	UKPS
Dusky brocade <i>Apamea remissa</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Garden tiger <i>Arctia caja</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Ghost moth <i>Hepialus humuli</i>	80 m SE	NESBReC	2013	Adult, MV Light Trap,	UKPS
Green-brindled crescent <i>Allophyes oxyacanthae</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap	UKPS
Grey dagger <i>Acronicta psi</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap	UKPS
Grey mountain carpet <i>Entephria caesiata</i>	261.2 S	NESBReC	1960	Quantity not given	UKPS
Haworth's minor <i>Celaena haworthii</i>	80 m SE	NESBReC	2013	Adult, MV Light Trap, photo seen	UKPS
Heath rustic <i>Xestia agathina</i>	80 m SE	NESBReC	2016	Adult, Skinner Trap (125W MV), photo seen	UKPS
Knot grass <i>Acronicta rumicis</i>	80 m SE	NESBReC	2016	Adult, Skinner Trap (125W MV), photo seen	UKPS



Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Large wainscot <i>Rhizedra lutosa</i>	186 m SSE	NESBReC	2011	No quantity given	UKPS
Latticed heath <i>Chiasmia clathrata</i>	80 m SE	NESBReC	2014	Adult, MV Light Trap, only the third VC94 record	UKPS
Minor shoulder-knot <i>Brachylomia viminalis</i>	186 m SSE	NESBReC	2010	No quantity given	UKPS
Mottled rustic <i>Caradrina morpheus</i>	1791 m WNW	NESBReC	2014	Adult, MV Light Trap, The 2nd for VC94. Photo seen.	UKPS
Mouse moth <i>Amphipyra tragopoginis</i>	1791 m WNW	NESBReC	2016	Adult, Light Trapping	UKPS
Neglected rustic <i>Xestia castanea</i>	186 m SSE	NESBReC	2010	No quantity given	UKPS
Pale eggar <i>Trichiura crataegi</i>	186 m SSE	NESBReC	2010	No quantity given	UKPS
Rosy minor <i>Litoligia literosa</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Rosy rustic <i>Hydraecia micacea</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Sallow <i>Cirrhia icteritia</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap	UKPS
Shaded broad-bar <i>Scotopteryx chenopodiata</i>	80 m SE	NESBReC	2013	Adult, MV Light Trap,	UKPS
Shoulder-striped wainscot <i>Leucania comma</i>	80 m SE	NESBReC	2015	Adult, MV Light Trap, photo seen, RL	UKPS
Small heath <i>Coenonympha pamphilus</i>	187 m WSW	NESBReC	2018		UKPS
Small pearl-bordered fritillary <i>Boloria selene</i>	75 m SE	NESBReC	1999	1 adult	UKPS
Small pheonix <i>Ecliptopera silaceata</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap	UKPS
Small square-spot <i>Diarsia rubi</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Streak <i>Chesias legatella</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap,	UKPS
Sword-grass <i>Xylena exsoleta</i>	80 m SE	NESBReC	2015	Adult, MV Light Trap	UKPS
White ermine <i>Spilosoma lubricipeda</i>	80 m SE	NESBReC	2016	Adult, MV Light Trap	UKPS
White-line dart <i>Euxoa tritici</i>	1791 m WNW	NESBReC	2015	Adult, MV Light Trap	UKPS
<b>Reptiles and Amphibians</b>					
Common lizard <i>Zootoca vivipara</i>	Within 10 km square	NESBReC, Hyder 2007	1970-94	-	WCA Sch5
Palmate newt <i>Lissotriton helveticus</i>	On site	Hyder 2007		Low populations identified in two non-acidic ponds on site (Hyder, 2007).	Bern3
Smooth newt <i>L. vulgaris</i>	0 SE	Hyder 2007		Low populations identified in two non-acidic ponds on site (Hyder, 2007).	Bern3
<b>Birds</b>					
Barn owl <i>Tyto alba</i>	222 m E	NESBReC	2018	(Probable breeding) PAIR in breeding habitat	ScotBL, BoCC Amber, WCA S1
Black-headed gull <i>Chroicocephalus ridibundus</i>	0 ESE	NESBReC, Hyder 2007	2007	(Possible breeding) Bird(s) in possible breeding HABITAT 12 passing over site (Hyder, 2007)	ANNEX 2.2, BoCC Amber, ScotBL
Bullfinch <i>Pyrrhula pyrrhula</i>	0 NE	NESBReC, Vento Ludens 2017	2003, 2015	(Probable breeding) PAIR in breeding habitat Breeding (Vento Ludens, 2017)	UKPS, ScotBL, BoCC Amber

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Buzzard <i>Buteo buteo</i>	1447 m ESE	RSK 2009, Amec 2003, Vento Ludens 2017	2015	Observed offsite between Site and Keith (RSK, 2009) Breeding (Vento Ludens, 2017)	WCA, UKPS
Capercaillie <i>Tetrao urogallus</i>	0 WSW	NESBReC, Hyder 2007	2011	No evidence of capercaillie within the forest (Amec, 2003) Adult female observed on two occasions by local deer stalker in western section of forest in winter 2006/2007 (Hyder, 2007) Adult female	ANNEX 1, ScotBL, BoCC Red, WCA S1
Common gull <i>Larus canus</i>	0 WSW	Hyder 2007	2007	c.40 passing over site (Hyder, 2007)	BoCC Amber
Corn bunting <i>Emberiza calandra</i>	1657 m NW	NESBReC	2002	(Possible breeding) SINGING bird present	UKPS, ScotBL, BoCC Red
Crossbill <i>Loxia spp.</i>	0 NNW	Hyder 2007	2007	Crossbill species recorded on all breeding bird surveys (Hyder, 2007)	UKPS, S1 WCA, ScotBL
Cuckoo <i>Cuculus canorus</i>	0 ENE	NESBReC , Amec 2003	2016	(Possible breeding) Bird(s) in possible breeding HABITAT Breeding bird surveys (Amec, 2003)	UKPS, ScotBL, BoCC Red
Curlew <i>Numenius arquata</i>	0 ENE	NESBReC, Amec 2003	2015	(Probable breeding) PAIR in breeding habitat Breeding bird surveys (Amec, 2003) 1-2 individuals recorded in flight over site on 4 occasions (Hyder, 2007)	UKPS, BoCC Amber, ScotBL

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Dunnock <i>Prunella modularis</i>	0 WSW	NESBReC, Vento Ludens, Hyder 2007	2005, 2015	(Possible breeding) SINGING bird present Breeding (Vento Ludens, 2017)	UKPS, BoCC Amber
Golden plover <i>Pluvialis apricaria</i>	0 NNE	NESBReC, Hyder 2007	2007	OBSERVED using tetrad during breeding season (not flying over) Flock of 55 observed flying over Site (Hyder, 2007)	ANNEX 1, ScotBL, BoCC Amber
Goshawk <i>Accipiter gentilis</i>	0 WSW	NESBReC, Vento Ludens 2017, Hyder 2007	2015	Adult Goshawk recorded and known within area (Vento Ludens, 2017) Male observed twice (Hyder, 2007)	ONS, S1 WCA
Grasshopper warbler <i>Locustella naevia</i>	0 NE	NESBReC	2014	(Probable breeding) TERRITORY (repeated territorial behaviour)	UKPS, ScotBL, BoCC Red
Greylag goose <i>Anser anser</i>	0 NE	Hyder 2007, Vento Ludens 2017	2014	2 birds over site (Hyder, 2007)	UKPS, S2 WCA, BoCC Amber
Grey partridge <i>Perdix perdix</i>	0 NNE	NESBReC	2005	(Probable breeding) PAIR in breeding habitat	ANNEX 2.1, ScotBL, BoCC Red
Grey wagtail <i>Motacilla cinerea</i>	0 NNE	Hyder 2007	2007	In flight from VP watch (Hyder, 2007)	BoCC Red
Hen harrier <i>Circus cyaneus</i>	0 ENE	NESBReC, Hyder 2007	2014	male	ANNEX 1, ScotBL, BoCC Red

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Herring gull <i>Larus argentatus</i>	0 NNE	NESBReC, Hyder 2007	2019	OBSERVED using tetrad during breeding season (not flying over) c.15 passing over site (Hyder, 2007)	UKPS, BoCC Red, ScotBL
Hooded crow <i>Corvus cornix</i>	0 WSW	NESBReC, Hyder 2007	2005	(Possible breeding) Bird(s) in possible breeding HABITAT	ScotBL
House martin <i>Delichon urbicum</i>	0 NW	Hyder 2007	2007		BoCC Amber
House sparrow <i>Passer domesticus</i>	0 ESE	NESBReC	2005	(Confirmed breeding) OCCUPIED NEST (adults sitting/entering)	UKPS, ScotBL
Kestrel <i>Falco tinnunculus</i>	0 ENE	NESBReC, Amec 2003, Hyder 2007	2015	(Possible breeding) Bird(s) in possible breeding HABITAT Breeding bird survey (Amec, 2003)	ScotBL, BoCC Amber
Lapwing <i>Vanellus vanellus</i>	0 NE	NESBReC	2005	(Confirmed breeding) FLEDGED YOUNG (recent; downy young)	UKPS, ScotBL, BoCC Red
Lesser black-backed gull <i>Larus fuscus</i>	0 NE	Hyder 2007	2007	C.25 passing over site (Hyder, 2007)	BoCC Amber
Linnet <i>Linaria cannabina</i>	0 WSW	NESBReC, Hyder 2007	2007	(Possible breeding) Bird(s) in possible breeding HABITAT Pair observed along access track (Hyder, 2007)	UKPS, S2(4), BoCC Red, ScotBL
Mallard <i>Anas platyrhynchos</i>	0 SW	Hyder 2007	2007	In flight over site (Hyder, 2007)	BoCC Amber, S2 WCA,
Meadow pipit <i>Anthus pratensis</i>	0 NE	Amec 2003,	2007	Breeding bird surveys 202 and 2007 (Amec, 2003) (Hyder, 2007)	WCA, UKPS, BoCC Amber

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
		Hyder 2007			
Merlin <i>Falco columbarius</i>	0 ENE	NESBReC	2013		ANNEX 1, ScotBL, BoCC Amber
Mistle thrush <i>Turdus viscivorus</i>	0 NE	Vento Ludens 2017, Hyder 2007	2015	Breeding bird surveys (Vento Ludens, 2017) 2-3 pairs breeding (Hyder, 2017)	UKPS, BoCC Amber
Osprey <i>Pandion haliaetus</i>	0 ENE	NESBReC	2013	circling around near masts	ANNEX 1, ScotBL, BoCC Amber
Peregrine <i>Falco peregrinus</i>	0 W	NESBReC, Hyder 2007, Vento Ludens 2017	2014	Peregrine recorded in 2007 surveys considered likely to be passing through area (Hyder, 2007) Breeding and foraging in area (Vento Ludens, 2017)	ANNEX 1, ScotBL
Pink-footed goose <i>Anser brachyrhynchus</i>	810m NE	NESBReC, Hyder 2007, Vento Ludens 2017	2017	Dropping into roost at 1630. Large flock (c, 2500 birds) approx. 2km west of site (Hyder, 2007) Intermittently passing over area, flights above collision risk zone (Vento Ludens, 2017)	ANNEX 2.2, S2 WCA, BoCC Amber
Raven <i>Corvus corax</i>	0 NE	Hyder 2007	2007	Two birds noted on one VP watch (Hyder, 2007)	
Red grouse <i>Lagopus lagopus</i>	0 NE	NESBReC	2006	(Possible breeding) Bird(s) in possible breeding HABITAT	UKPS, ScotBL

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Redpoll <i>Carduelis flammea</i>	0 NE	Vento Ludens 2017	2015	Singing (Vento Ludens, 2017) Song-flight recorded by single male (Hyder, 2017)	UKPS, BoCC Amber
Redwing <i>Turdus iliacus</i>	0 ESE	NESBReC	2013	Flock of redwings flying over cpt 2633 and neighbouring farmland	ANNEX 2.2, ScotBL, BoCC Red
Reed bunting <i>Emberiza schoeniclus</i>	0 WSW	NESBReC	2007	(Possible breeding) Bird(s) in possible breeding HABITAT One singing male access track (Hyder, 2007)	UKPS, S2(4), BoCC Amber, ScotBL
Ring ouzel ( <i>Turdus torquatus</i> )	0 WSW	Hyder 2007	2007	Single male perched nr access track (Hyder, 2007)	BoCC Red, ScotBL
Rook <i>Corvus frugilegus</i>	0 NE	Hyder 2007	2007		
Scottish crossbill <i>Loxia scotica</i>	0 NNW	NESBReC, Hyder 2007	2006	(Possible breeding) Bird(s) in possible breeding HABITAT Breeding bird survey, two family parties recorded (Hyder, 2007)	ANNEX 1, Schedule 1 WCA, S2(4), BoCC Red, ScotBL
Short-eared owl <i>Asio flammeus</i>	0 SSW	NESBReC, Vento Ludens 2017	2014	Two passage flights (Vento Ludens, 2017)	ANNEX 1, ScotBL, BoCC Amber
Siskin <i>Spinus spinus</i>	0 WSW	NESBReC	2006	(Probable breeding) PAIR in breeding habitat	ScotBL
Skylark <i>Alauda arvensis</i>	0 WNW	NESBReC, Amec 2003,	2014	(Probable breeding) PAIR in breeding habitat	UKPS, BoCC Red, S2(4)

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
		Hyder 2007		Breeding bird surveys 202 and 2007 (Amec, 2003) (Hyder, 2007) Breeding on clear-felled area	
Snipe <i>Gallinago gallinago</i>	0 NNE	NESBReC	2006	(Probable breeding) DISPLAY and courtship	ANNEX 2.1
Song thrush <i>Turdus philomelos</i>	0 WSW	NESBReC, Vento Ludens 2017, Hyder 2007	2006, 2015	(Possible breeding) SINGING bird present Breeding bird surveys (Vento Ludens, 2017) (Hyder, 207)	UKPS, S2(4), BoCC Red, ScotBL
Sparrowhawk <i>Accipiter nisus</i>	0 NE	Amec 2003, Vento Ludens 2017, Hyder 2007	2014	Breeding and foraging Male noted (Hyder, 2007)	UKPS, ANNEX 1
Spotted flycatcher <i>Muscicapa striata</i>	261 m S	NESBReC	2006	(Probable breeding) PAIR in breeding habitat	UKPS, ScotBL, BoCC Red
Starling <i>Sturnus vulgaris</i>	0 NE	NESBReC, Hyder 2007	2015	(Confirmed breeding) FOOD for YOUNG, or faecal sacs c.40 (Hyder, 2007)	UKPS, BoCC Red, ScotBL
Swift <i>Apus apus</i>	0 NE	NESBReC, Hyder 2007	2019	(Possible breeding) Bird(s) in possible breeding HABITAT 4 recorded (Hyder, 207)	ScotBL, BoCC Amber



Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Tree pipit <i>Anthus trivialis</i>	0 ENE	NESBReC, Amec 2003	2005	(Possible breeding) Bird(s) in possible breeding HABITAT Breeding bird surveys (Amec, 2003)	UKPS, ScotBL, BoCC Red
Tree sparrow <i>Passer montanus</i>	222 m E	NESBReC	2016	(Confirmed breeding) OCCUPIED NEST (adults sitting/entering)	UKPS, ScotBL, BoCC Red
Willow warbler <i>Phylloscopus trochilus</i>	0 NE	Amec 2003, Vento Ludens 2017, Hyder 2007	2015	Breeding bird surveys 15+ singing birds (Hyder, 2007)	UKPS, BoCC Amber
White-tailed eagle <i>Haliaeetus albicilla</i>	0 ENE	NESBReC	2011		ANNEX 1, ScotBL, BoCC Red
Woodcock <i>Scolopax rusticola</i>	0 SE	NESBReC	2014	Flushed from edge of wet heath in cpt 2670f	ANNEX 2.1, ScotBL, BoCC Amber
Yellowhammer <i>Emberiza citrinella</i>	0 NE	NESBReC, Hyder 2007	2018	(Probable breeding) PAIR in breeding habitat Two singing males along access track (Hyder, 2007)	UKPS, BoCC Red, ScotBL
<b>Mammals</b>					
Brown hare <i>Lepus europaeus</i>	80m, SE	NESBReC, Hyder 2007	2016	Eating grass in field	UKPS, ScotBL,

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Eurasian red squirrel <i>Sciurus vulgaris</i>	0m, E	NESBReC, Hyder 2007	2017	On forest road and on deadwood on edge of roadside.	WCA5/9.1k/l, WCA5/9.1t, WCA5/9.2, WCA5/9.4.a, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UK BAP, ScotBL, UKPS
European otter <i>Lutra lutra</i>	261m, S	NESBReC, Hyder 2007	2000	Otter Survey of Scotland 1977-79 record. No otter were recorded during survey in 2003 (AMEC), 2007 (Hyder) or 2015 (Vento Ludens).	HabRegs2, WCA5/9.4b, WCA5/9.4C, WCA5/9.5A, ScotBL, UKPS
European water vole <i>Arvicola amphibius</i>	261m, S	NESBReC, Hyder 2007, Vento Ludens 2017	1968	No water vole were recorded during survey in 2003 (AMEC), 2007 (Hyder) or 2015 (Vento Ludens).	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPSDGLBAP09, ScotBL, UKPS.
Mountain hare <i>Lepus timidus</i>	261m, S	NESBReC, Hyder 2007	1965		WCA5, UK PS, ScotSBL.
Pine marten <i>Martes martes</i>	0m, ENE	NESBReC, Hyder 2007, Vento Ludens 2017	2016	Single record, provided by Forestry Commission Scotland (FCS), of pine marten in the northern part of the forest within the previous ES submission (AMEC, 2003) and FCS provided records of two additional sightings made in 2004 (Hyder, 2007) Two separate sightings of an individual pine martin during surveys in 2014 (Vento Ludens 2017)	WCA5, UK PS, ScotSBL.

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
Roe deer <i>Capreolus capreolus</i>	1447m, ESE	RSK 2009	2009	A number of roe deer were observed on Myreton Wind Farm development site	Deer Act 1991
West European hedgehog <i>Erinaceus europaeus</i>	261m, S	NESBReC, Hyder 2007	1969		ScotBL, UKPS
Wildcat <i>Felis silvestris</i>	0m, W	NESBReC, Hyder 2007	2015	Adult	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UK PS.
<b>Bats</b>					
Brown long-eared bat <i>Plecotus auritus</i>	510m, NW	NESBReC	2019	Recorded and seen	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPS
Common pipistrelle <i>Pipistrellus pipistrellus</i>	0m, SW	NESBReC, Hyder 2007, Vento Ludens 2017	2019	Bat detector recording analysed by Batscan software  1-3 common pipistrelle recorded in 2015 (Vento Ludens)	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPS
Daubenton's bat <i>Myotis daubentonii</i>	4.28km, SSW	NESBReC	1994	Record Key: 3503	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPS
Noctule bat <i>Nyctalus noctula</i>	5.87km, NE	NESBReC	2012	Fresh dead male found by house owner	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPS
Unconfirmed bat species <i>Pipistrellus sp.</i>	0m, SW	NESBReC, Hyder	2015	Record Key: 1067	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPS

Species	Nearest Location to Site	Data Source	Last Record	Details/additional comments on record closest to site	Protection/ Conservation Status (see Table 2 for Definitions)
		2007, RSK 2009		Records of bats within the town of Keith	
Soprano pipistrelle <i>Pipistrellus pygmaeus</i>	189m, W	NESBReC	2019	Foraging	HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, UKPS

**Appendix 01, Table 2: Glossary of Codes for Species Protection/ Conservation Status**

Abbreviation	Full Designation	Type	Description
ANNEX 1	Annex 1 listed species European Commission Birds Directive	International	Annex 1 is a list of 194 species and sub-species which are particularly threatened under the European Commission Birds Directive. Now legislated for purely via the 'Habitat Regulations'.
ANNEX 2.1 & 2.2	Annex 2.1/2.2 listed species European Commission Birds Directive	International	Annex 2 is a list of 82 bird species can be hunted European Commission Birds Directive. However, the hunting periods are limited and hunting is forbidden when birds are at their most vulnerable: during their return migration to nesting areas, reproduction and the raising of their chicks. Now legislated for purely via the 'Habitat Regulations'.
Bern-A3	Bern Convention Appendix 3	International	Special protection through 'appropriate and necessary legislative and administrative measures', of the listed wild fauna species. Now legislated for purely via the 'Habitat Regulations'.
BoCC Amber/Red	Birds of Conservation Concern 4 Amber Birds of Conservation Concern 4 Red	National	Birds of Conservation Concern 4: the Red List for Birds, is a standardised criteria and assessment for assigning 244 species with breeding, passage or wintering populations in the UK. Red is the highest conservation priority, with species needing urgent action. Amber is the next most critical group.
HabRegs2	The Conservation (Natural Habitats, &c.) Regulations 1994 (as amended in Scotland) (Schedule 2)	National Legislation	Schedule 2- European protected species of animals.
HabRegs4	The Conservation (Natural Habitats, &c.) Regulations 1994	Legislation	Schedule 4- Animals which may not be taken or killed in certain ways.

Abbreviation	Full Designation	Type	Description
	(as amended in Scotland) (Schedule 4)		
HabRegs5	The Conservation (Natural Habitats, &c.) Regulations 1994 (as amended in Scotland) (Schedule 5)	National Legislation	Schedule 5- European protected species of plants.
Protection of Badgers Act (1992)	Protection of Badgers Act (1992)	National Legislation	The Protection of Badgers Act 1992 protects badgers from taking, injuring, killing, cruel treatment, selling, possessing, marking and having their setts interfered with, subject to exceptions.
S1 WCA	Schedule 1 listed species Wildlife and Countryside Act 1981 (as amended)	National Legislation	Schedule 1 of the Wildlife and Countryside Act 1981 lists species of birds and their young, for which it is an offence to intentionally or recklessly disturb at, on or near an 'active' nest.
S2 WCA	Schedule 2 listed species Wildlife and Countryside Act 1981 (as amended)	National Legislation	Schedule 2 of the Wildlife and Countryside Act 1981 lists birds which are protected during the close season (1 February to 31 August).
S2(4)	Section 2 (4) Nature Conservation (Scotland) Act	National Legislation	Nature conservation orders and related orders
ScotBL	Scottish Biodiversity List of species of principal importance for biodiversity conservation	National	The Scottish Biodiversity List is a list of flora, fauna and habitats considered by the Scottish Ministers to be of principal importance for biodiversity conservation. The development of the list has been a collaborative effort involving a great many stakeholders.
UKPS	UK Priority Habitats and Priority Species	UKPS	The UK List of Priority Species and Habitats contains 1150 species and 65 habitats that have been listed as priorities for conservation action. The UKPS is no longer extant but many of the priority habitats and species remain conservation priorities.
VC75RPR	Ayrshire Rare Plant Register	Local	Species listed in the VC rare plant register.
WCA5/9.1k/l	Wildlife and Countryside Act 1981 (as amended in	National Legislation	Section 9.1. Animals which are protected from intentional killing or injuring.

Abbreviation	Full Designation	Type	Description
	Scotland)(Schedule 5 Section 9.1 (killing/injuring))		
WCA5/9.1t	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.1 (taking))	National Legislation	Section 9.1 Animals which are protected from taking.
WCA5/9.2	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.2)	National Legislation	Section 9.2 Animals which are protected from being possessed or controlled (live or dead).
WCA5/9.4a	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.4, subdivision a)	National Legislation	Section 9.4 subdivision a - Animals which are protected from intentional damage or destruction to any structure or place used for shelter or protection.
WCA5/9.4b	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.4b)	National Legislation	Section 9.4 Animals which are protected from intentional disturbance while occupying a structure or place used for shelter or protection.
WCA5/9.4c	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.4c)	National Legislation	Animals which are protected from their access to any structure or place which they use for shelter or protection being obstructed.
WCA5/9.5a	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.5a)	National Legislation	Section 9.5 Animals which are protected from being sold, offered for sale or being held or transported for sale either live or dead, whole or part.
WCA5/9.5b	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 5 Section 9.5b)	National Legislation	Section 9.5 Animals which are protected from being published or advertised as being for sale.
WCA8	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 8)	National Legislation	Plants which are protected from intentional picking, uprooting or destruction (Section 13 1a); selling, offering for sale, possessing or transporting for the purpose of sale (live or dead, part or derivative) (Section 13 2a); advertising (any of these) for sale.
WCA9/INV	Wildlife and Countryside Act 1981 (as amended in Scotland) (Schedule 9)	National Legislation	Includes all non-native species listed in Schedule 9 (parts 1 and 2) covering animals and plants which may not be released or allowed to escape into the wild plus additional invasive non-native species.

## APPENDIX 02

Non-statutory Sites, Designations and Consultation Zones (provided  
by NESBReC)

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24 June 2021

Dear Roisin

**NESBReC report - Aultmore**

Please find below the results of the data search you requested from NESBReC.

The search was carried out for all notable species and nature conservation sites (statutory and non-statutory) within a 2km radius of the site boundary, as outlined in red in the maps below and with a centre point at NJ 44822 58180. An additional search for all bat records within a 10km search of the site boundary was also carried out.

Results table 2km search:

Ref No.	Dataset	Interest	Locality	Grid Reference
20210624	Designated Species	<p><b>Protection of Badgers Act (1992)</b> Eurasian Badger (<i>Meles meles</i>)</p> <p><b>ANNEX 1</b> Capercaillie (<i>Tetrao urogallus</i>) Golden Plover (<i>Pluvialis apricaria</i>) Hen Harrier (<i>Circus cyaneus</i>) Merlin (<i>Falco columbarius</i>) Osprey (<i>Pandion haliaetus</i>) Peregrine (<i>Falco peregrinus</i>) Scottish Crossbill (<i>Loxia scotica</i>) Short-eared Owl (<i>Asio flammeus</i>) White-tailed Eagle (<i>Haliaeetus albicilla</i>)</p> <p><b>ANNEX 2.1</b> Grey Partridge (<i>Perdix perdix</i>) Snipe (<i>Gallinago gallinago</i>) Woodcock (<i>Scolopax rusticola</i>)</p> <p><b>ANNEX 2.2</b> Black-headed Gull (<i>Chroicocephalus ridibundus</i>) Pink-footed Goose (<i>Anser brachyrhynchus</i>) Redwing (<i>Turdus iliacus</i>)</p> <p><b>UK BAP</b> Brown Hare (<i>Lepus europaeus</i>) Brown Long-eared Bat (<i>Plecotus auritus</i>) Common Lizard (<i>Zootoca vivipara</i>) Eurasian Red Squirrel (<i>Sciurus vulgaris</i>) European Otter (<i>Lutra lutra</i>) European Water Vole (<i>Arvicola amphibius</i>) Mountain Hare (<i>Lepus timidus</i>) Pine Marten (<i>Martes martes</i>) Soprano Pipistrelle (<i>Pipistrellus pygmaeus</i>) West European Hedgehog (<i>Erinaceus europaeus</i>) Wildcat (<i>Felis silvestris</i>)</p> <p>Bullfinch (<i>Pyrrhula pyrrhula</i>) Corn Bunting (<i>Emberiza calandra</i>) Cuckoo (<i>Cuculus canorus</i>) Curlew (<i>Numenius arquata</i>) Dunnock (<i>Prunella modularis</i>) Grasshopper Warbler (<i>Locustella naevia</i>) Herring Gull (<i>Larus argentatus</i>)</p>	Aultmore	NJ 44822 58180



		<p>House Sparrow (<i>Passer domesticus</i>)  Lapwing (<i>Vanellus vanellus</i>)  Linnet (<i>Linaria cannabina</i>)  Red Grouse (<i>Lagopus lagopus</i>)  Reed Bunting (<i>Emberiza schoeniclus</i>)  Skylark (<i>Alauda arvensis</i>)  Song Thrush (<i>Turdus philomelos</i>)  Spotted Flycatcher (<i>Muscicapa striata</i>)  Starling (<i>Sturnus vulgaris</i>)  Tree Pipit (<i>Anthus trivialis</i>)  Tree Sparrow (<i>Passer montanus</i>)  Yellowhammer (<i>Emberiza citrinella</i>)</p> <p>Anomalous (<i>Stilbia anomala</i>)  Autumnal Rustic (<i>Eugnorisma glareosa</i>)  Brindled Beauty (<i>Lycia hirtaria</i>)  Brindled Ochre (<i>Dasypolia templi</i>)  Broom Moth (<i>Ceramica pisi</i>)  Brown-spot Pinion (<i>Agrochola litura</i>)  Centre-barred Sallow (<i>Atethmia centrargo</i>)  Dark Brocade (<i>Mniotype adusta</i>)  Double Dart (<i>Graphiphora augur</i>)  Dusky Brocade (<i>Apamea remissa</i>)  Garden Tiger (<i>Arctia caja</i>)  Ghost Moth (<i>Hepialus humuli</i>)  Green-brindled Crescent (<i>Allophyes oxyacanthae</i>)  Grey Dagger (<i>Acronicta psi</i>)  Grey Mountain Carpet (<i>Entephria caesiata</i>)  Haworth's Minor (<i>Celaena haworthii</i>)  Heath Rustic (<i>Xestia agathina</i>)  Knot Grass (<i>Acronicta rumicis</i>)  Large Wainscot (<i>Rhizedra lutosa</i>)  Latticed Heath (<i>Chiasmia clathrata</i>)  Minor Shoulder-knot (<i>Brachylomia viminalis</i>)  Mottled Rustic (<i>Caradrina morpheus</i>)  Mouse Moth (<i>Amphipyra tragopoginis</i>)  Neglected Rustic (<i>Xestia castanea</i>)  Pale Eggar (<i>Trichiura crataegi</i>)  Rosy Minor (<i>Litoligia literosa</i>)  Rosy Rustic (<i>Hydraecia micacea</i>)  Sallow (<i>Cirrhia icteritia</i>)  Shaded Broad-bar (<i>Scotopteryx chenopodiata</i>)  Shoulder-striped Wainscot (<i>Leucania comma</i>)  Small Heath (<i>Coenonympha pamphilus</i>)  Small Pearl-bordered Fritillary (<i>Boloria selene</i>)  Small Phoenix (<i>Ecliptopera silaceata</i>)  Small Square-spot (<i>Diarsia rubi</i>)  Streak (<i>Chesias legatella</i>)  Sword-grass (<i>Xylena exsoleta</i>)  White Ermine (<i>Spilosoma lubricipeda</i>)  White-line Dart (<i>Euxoa tritici</i>)</p> <p>Annual Knawel (<i>Scleranthus annuus</i> subsp. <i>annuus</i>)  Caraway (<i>Carum carvi</i>)  Cornflower (<i>Centaurea cyanus</i>)  Field Gentian (<i>Gentianella campestris</i>)  Frog Orchid (<i>Coeloglossum viride</i>)  Juniper (<i>Juniperus communis</i>)  Lesser Butterfly-orchid (<i>Platanthera bifolia</i>)  Pretty Cord-moss (<i>Funaria pulchella</i>)  Shepherd's-needle (<i>Scandix pecten-veneris</i>)  Twinflower (<i>Linnaea borealis</i>)</p> <p><b>SBL S2</b>  Common Pipistrelle (<i>Pipistrellus pipistrellus</i>)  Pipistrelle Bat species (<i>Pipistrellus</i>)</p> <p><b>SBL S3</b>  Bendy Ditrichum (<i>Ditrichum flexicaule</i>)</p> <p><b>SBL S4</b>  Harsh Downy-rose (<i>Rosa tomentosa</i>)</p>		
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	<p><b>SBL S5</b>  Barn Owl (<i>Tyto alba</i>)  Hooded Crow (<i>Corvus cornix</i>)  Kestrel (<i>Falco tinnunculus</i>)  Siskin (<i>Spinus spinus</i>)  Swift (<i>Apus apus</i>)</p> <p>Black-bindweed (<i>Fallopia convolvulus</i>)  Charlock (<i>Sinapis arvensis</i>)  Corn Mint (<i>Mentha arvensis</i>)  Field Madder (<i>Sherardia arvensis</i>)  Good-King-Henry (<i>Chenopodium bonus-henricus</i>)  Heath Cudweed (<i>Gnaphalium sylvaticum</i>)  Intermediate Wintergreen (<i>Pyrola media</i>)  Large-flowered Hemp-nettle (<i>Galeopsis speciosa</i>)  Sun Spurge (<i>Euphorbia helioscopia</i>)  White Mustard (<i>Sinapis alba</i>)  White Ramping-fumitory (<i>Fumaria capreolata</i>)  Wild Pansy (<i>Viola tricolor</i>)</p> <p><b>Other Notable Species</b>  Goshawk (<i>Accipiter gentilis</i>)</p>		
Bat records	Brown Long-eared Bat ( <i>Plecotus auritus</i> ) Soprano Pipistrelle ( <i>Pipistrellus pygmaeus</i> ) Common Pipistrelle ( <i>Pipistrellus pipistrellus</i> ) Pipistrelle Bat species ( <i>Pipistrellus</i> )		
Common Swift records	Swift ( <i>Apus apus</i> )		
Geese	Pink-footed Goose ( <i>Anser brachyrhynchus</i> )		
NE LBAP Locally Important Species	Black Bog-rush ( <i>Schoenus nigricans</i> ) Bluebell ( <i>Hyacinthoides non-scripta</i> ) Clustered Dock ( <i>Rumex conglomeratus</i> ) Common Cornsalad ( <i>Valerianella locusta</i> ) Common Twayblade ( <i>Neottia ovata</i> ) Common Yellow-sedge ( <i>Carex viridula</i> subsp. <i>oedocarpa</i> ) Early-purple Orchid ( <i>Orchis mascula</i> ) Eurasian Water Shrew ( <i>Neomys fodiens</i> ) Floating Bur-reed ( <i>Sparganium angustifolium</i> ) Fragrant Orchid ( <i>Gymnadenia conopsea</i> ) Great Sundew ( <i>Drosera anglica</i> ) Hedge Bedstraw ( <i>Galium mollugo</i> ) Herb-paris ( <i>Paris quadrifolia</i> ) Least Bur-reed ( <i>Sparganium natans</i> ) Lesser Tussock-sedge ( <i>Carex diandra</i> ) Many-stalked Spike-rush ( <i>Eleocharis multicaulis</i> ) Musk Thistle ( <i>Carduus nutans</i> ) Rough Horsetail ( <i>Equisetum hyemale</i> ) Scotch Grass-vener ( <i>Catoptria permutatellus</i> ) Small Cudweed ( <i>Filago minima</i> ) Small-fruited Yellow-sedge ( <i>Carex viridula</i> subsp. <i>viridula</i> ) Yellow-sedge ( <i>Carex viridula</i> )		
Invasive Non-Native Plant Species	Giant Hogweed ( <i>Heracleum mantegazzianum</i> )		
SESA botany	B138:Craibstone Quarry - A disused flooded limestone quarry with an adjacent area of mixed woodland and a section of the Deskford Burn. The flooded quarry is largely covered by Broadleaved Pondweed and holds a few species of amphibians. The trees near the quarry appear to have been planted, possibly to screen the scars of the disused quarry. There is some reseeded of Ash and Sycamore. The ground flora near the quarry include species such as Common Twayblade and Intermediate Enchanter's Nightshade which are locally scarce.		

Results table 10km search – bats only:

<b>Ref No.</b>	<b>Dataset</b>	<b>Interest</b>	<b>Locality</b>	<b>Grid Reference</b>
20210624	Bat records	Brown Long-eared Bat ( <i>Plecotus auritus</i> ) Daubenton's Bat ( <i>Myotis daubentonii</i> ) Noctule Bat ( <i>Nyctalus noctula</i> ) Soprano Pipistrelle ( <i>Pipistrellus pygmaeus</i> ) Common Pipistrelle ( <i>Pipistrellus pipistrellus</i> ) Pipistrelle Bat species ( <i>Pipistrellus</i> ) Bats (Chiroptera)	Aultmore	NJ 44822 58180

Maps showing all the search results are included below.

Yours sincerely

D Caffrey  
GIS Project Officer

**PLEASE READ THE FOLLOWING NOTES:**

- 1) Search was done to within 2000 metres of the area of interest for notable species and nature conservation sites, and within 10000 meters for bats. These are indicated on the map by a broken line around the site.
- 2) Search areas or centroids are highlighted in red.
- 3) The dots on any maps depicting the locations of a species are positioned at the centre of a square representing the resolution of the recorded grid reference. Care should be taken over interpretation
- 4) Due to the limits of the map display function, all records may not be visible on the species maps. However, all species are listed in the relevant table above the map and a full list of records can be supplied in Excel format.
- 5) Scientific names are only used to identify species on maps when no common name is in general accepted usage.
- 6) For maps without a key, the relevant information is provided in the table.
- 7) The ownership of the data within this report remains with the original recorder and is subject to the laws defining Intellectual Property Copyright.
- 8) This report and the data held within it are to be used solely for those purposes described under the terms of any agreement between the applicant and NESBReC.
- 9) Some, or all of the data held within this report may be of a sensitive or confidential nature. Such information will be marked as such and if required an appropriate contact for further correspondence will be given (otherwise NESBReC should be contacted).
- 10) Although NESBReC makes every possible effort to ensure that the data it provides is accurate and up to date, this report should only be considered to represent the most recent version of each dataset as available at the time of the search.
- 11) NE LBAP Locally Important Species are species that are not on existing designated species lists but have been identified as important in the local context.

For designated species, the following abbreviated sub-headings are used to describe different levels of importance:

Protection of Badgers Act (1992)

ANNEX 1, 2.1, 2.2 – EC Birds Directive

UK BAP - UK BAP list of Priority Species

SBL S2 - Scottish Biodiversity List: International Obligations

SBL S3 - Scottish Biodiversity List: Nationally Rare at UK level, found in only 1-15 10km squares

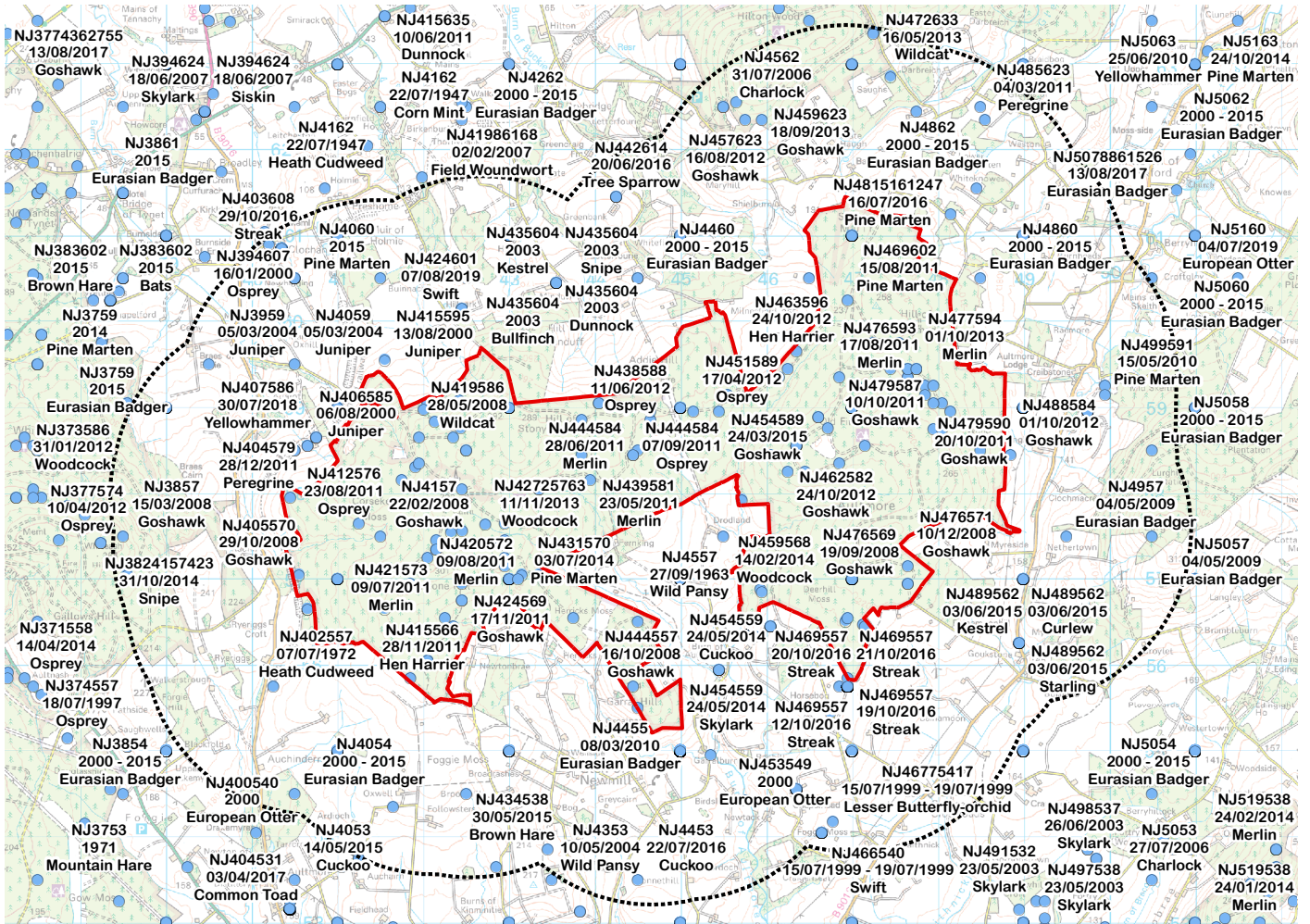
SBL S4 - Scottish Biodiversity List: Present in 5 or fewer 10km squares or sites in Scotland

SBL S5 - Scottish Biodiversity List: Decline of 25% or more in Scotland in last 25 years

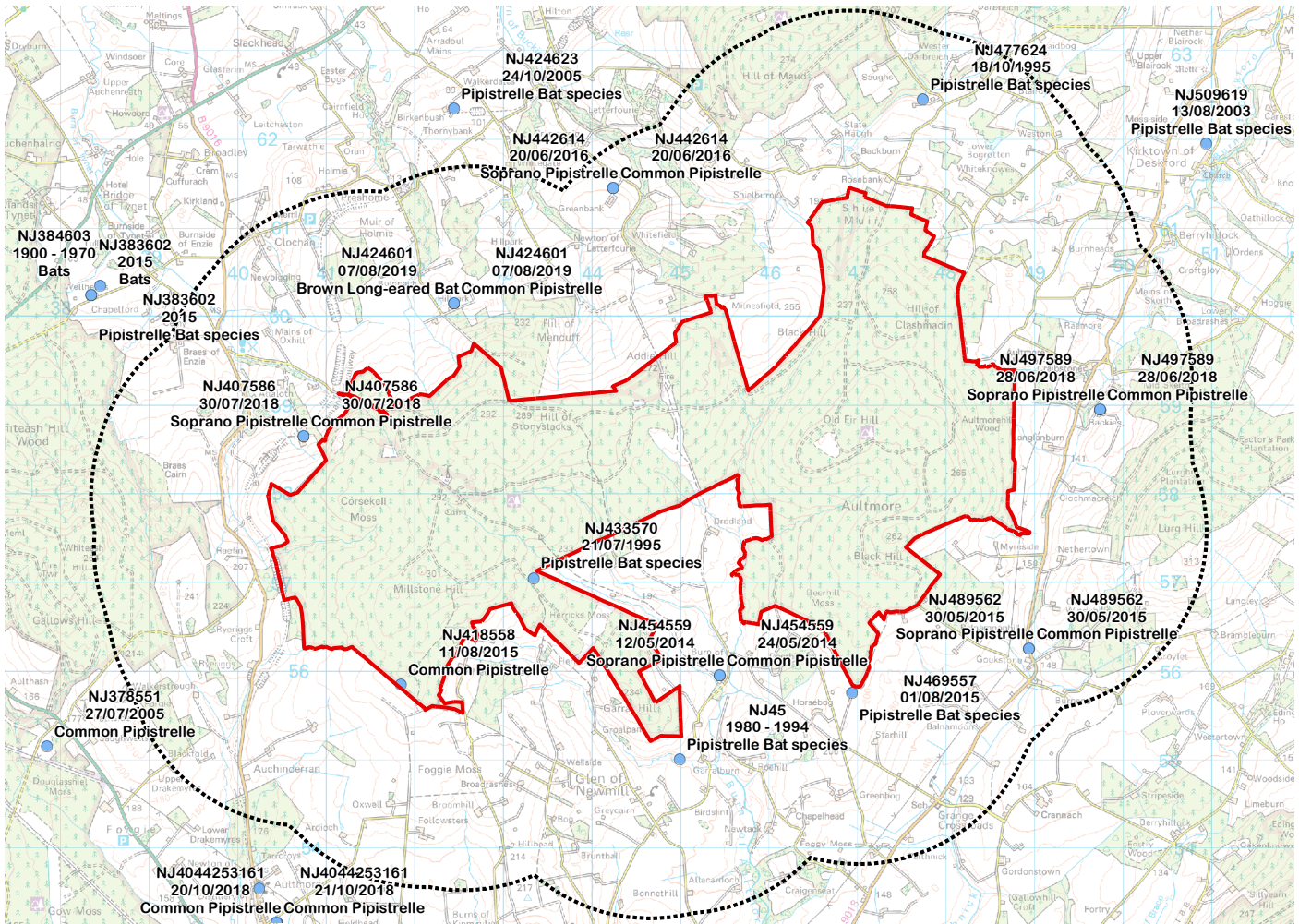
Note, a species may be designated under several of these lists, but will only be listed under its highest level designation within this report. The ranking order used here is Protection of Badgers Act (1992), ANNEX 1, ANNEX 2.1, UK BAP, ANNEX 2.2, SBL S2-SBL S5.

20210624	Designated Species	<p><b>Protection of Badgers Act (1992)</b> Eurasian Badger (<i>Meles meles</i>)</p> <p><b>ANNEX 1</b> Capercaillie (<i>Tetrao urogallus</i>) Golden Plover (<i>Pluvialis apricaria</i>) Hen Harrier (<i>Circus cyaneus</i>) Merlin (<i>Falco columbarius</i>) Osprey (<i>Pandion haliaetus</i>) Peregrine (<i>Falco peregrinus</i>) Scottish Crossbill (<i>Loxia scotica</i>) Short-eared Owl (<i>Asio flammeus</i>) White-tailed Eagle (<i>Haliaeetus albicilla</i>)</p> <p><b>ANNEX 2.1</b> Grey Partridge (<i>Perdix perdix</i>) Snipe (<i>Gallinago gallinago</i>) Woodcock (<i>Scolopax rusticola</i>)</p> <p><b>ANNEX 2.2</b> Black-headed Gull (<i>Chroicocephalus ridibundus</i>) Pink-footed Goose (<i>Anser brachyrhynchus</i>) Redwing (<i>Turdus iliacus</i>)</p> <p><b>UK BAP</b> Brown Hare (<i>Lepus europaeus</i>) Brown Long-eared Bat (<i>Plecotus auritus</i>) Common Lizard (<i>Zootoca vivipara</i>) Eurasian Red Squirrel (<i>Sciurus vulgaris</i>) European Otter (<i>Lutra lutra</i>) European Water Vole (<i>Arvicola amphibius</i>) Mountain Hare (<i>Lepus timidus</i>) Pine Marten (<i>Martes martes</i>) Soprano Pipistrelle (<i>Pipistrellus pygmaeus</i>) West European Hedgehog (<i>Erinaceus europaeus</i>) Wildcat (<i>Felis silvestris</i>)</p> <p>Bullfinch (<i>Pyrrhula pyrrhula</i>) Corn Bunting (<i>Emberiza calandra</i>) Cuckoo (<i>Cuculus canorus</i>) Curlew (<i>Numenius arquata</i>) Dunnock (<i>Prunella modularis</i>) Grasshopper Warbler (<i>Locustella naevia</i>) Herring Gull (<i>Larus argentatus</i>) House Sparrow (<i>Passer domesticus</i>) Lapwing (<i>Vanellus vanellus</i>) Linnet (<i>Linaria cannabina</i>) Red Grouse (<i>Lagopus lagopus</i>) Reed Bunting (<i>Emberiza schoeniclus</i>) Skylark (<i>Alauda arvensis</i>) Song Thrush (<i>Turdus philomelos</i>) Spotted Flycatcher (<i>Muscicapa striata</i>) Starling (<i>Sturnus vulgaris</i>) Tree Pipit (<i>Anthus trivialis</i>) Tree Sparrow (<i>Passer montanus</i>) Yellowhammer (<i>Emberiza citrinella</i>)</p> <p>Anomalous (<i>Stilbia anomala</i>) Autumnal Rustic (<i>Eugnorisma glareosa</i>) Brindled Beauty (<i>Lycia hirtaria</i>) Brindled Ochre (<i>Dasypolia templi</i>) Broom Moth (<i>Ceramica pisi</i>) Brown-spot Pinion (<i>Agrochola litura</i>) Centre-barred Sallow (<i>Atethmia centrargo</i>) Dark Brocade (<i>Mniotype adusta</i>) Double Dart (<i>Graphiphora augur</i>) Dusky Brocade (<i>Apamea remissa</i>) Garden Tiger (<i>Arctia caja</i>) Ghost Moth (<i>Hepialus humuli</i>) Green-brindled Crescent (<i>Allophyes oxyacanthae</i>) Grey Dagger (<i>Acronicta psi</i>) Grey Mountain Carpet (<i>Entephria caesiata</i>) Haworth's Minor (<i>Celaena haworthii</i>) Heath Rustic (<i>Xestia agathina</i>)</p>	Aultmore	NJ 44822 58180
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		<p> Knot Grass (<i>Acronicta rumicis</i>)  Large Wainscot (<i>Rhizedra lutosa</i>)  Latticed Heath (<i>Chiasmia clathrata</i>)  Minor Shoulder-knot (<i>Brachylomia viminalis</i>)  Mottled Rustic (<i>Caradrina morpheus</i>)  Mouse Moth (<i>Amphipyra tragopoginis</i>)  Neglected Rustic (<i>Xestia castanea</i>)  Pale Eggar (<i>Trichiura crataegi</i>)  Rosy Minor (<i>Litologia literosa</i>)  Rosy Rustic (<i>Hydraecia micacea</i>)  Sallow (<i>Cirrhia icteritia</i>)  Shaded Broad-bar (<i>Scotopteryx chenopodiata</i>)  Shoulder-striped Wainscot (<i>Leucania comma</i>)  Small Heath (<i>Coenonympha pamphilus</i>)  Small Pearl-bordered Fritillary (<i>Boloria selene</i>)  Small Phoenix (<i>Ecliptopera silaceata</i>)  Small Square-spot (<i>Diarsia rubi</i>)  Streak (<i>Chesias legatella</i>)  Sword-grass (<i>Xylena exsoleta</i>)  White Ermine (<i>Spilosoma lubricipeda</i>)  White-line Dart (<i>Euxoa tritici</i>) </p> <p> Annual Knawel (<i>Scleranthus annuus</i> subsp. <i>annuus</i>)  Caraway (<i>Carum carvi</i>)  Cornflower (<i>Centaurea cyanus</i>)  Field Gentian (<i>Gentianella campestris</i>)  Frog Orchid (<i>Coeloglossum viride</i>)  Juniper (<i>Juniperus communis</i>)  Lesser Butterfly-orchid (<i>Platanthera bifolia</i>)  Pretty Cord-moss (<i>Funaria pulchella</i>)  Shepherd's-needle (<i>Scandix pecten-veneris</i>)  Twinflower (<i>Linnaea borealis</i>) </p> <p> <b>SBL S2</b>  Common Pipistrelle (<i>Pipistrellus pipistrellus</i>)  Pipistrelle Bat species (<i>Pipistrellus</i>) </p> <p> <b>SBL S3</b>  Bendy Ditrichum (<i>Ditrichum flexicaule</i>) </p> <p> <b>SBL S4</b>  Harsh Downy-rose (<i>Rosa tomentosa</i>) </p> <p> <b>SBL S5</b>  Barn Owl (<i>Tyto alba</i>)  Hooded Crow (<i>Corvus cornix</i>)  Kestrel (<i>Falco tinnunculus</i>)  Siskin (<i>Spinus spinus</i>)  Swift (<i>Apus apus</i>) </p> <p> Black-bindweed (<i>Fallopia convolvulus</i>)  Charlock (<i>Sinapis arvensis</i>)  Corn Mint (<i>Mentha arvensis</i>)  Field Madder (<i>Sherardia arvensis</i>)  Good-King-Henry (<i>Chenopodium bonus-henricus</i>)  Heath Cudweed (<i>Gnaphalium sylvaticum</i>)  Intermediate Wintergreen (<i>Pyrola media</i>)  Large-flowered Hemp-nettle (<i>Galeopsis speciosa</i>)  Sun Spurge (<i>Euphorbia helioscopia</i>)  White Mustard (<i>Sinapis alba</i>)  White Ramping-fumitory (<i>Fumaria capreolata</i>)  Wild Pansy (<i>Viola tricolor</i>) </p> <p> <b>Other Notable Species</b>  Goshawk (<i>Accipiter gentilis</i>) </p>		
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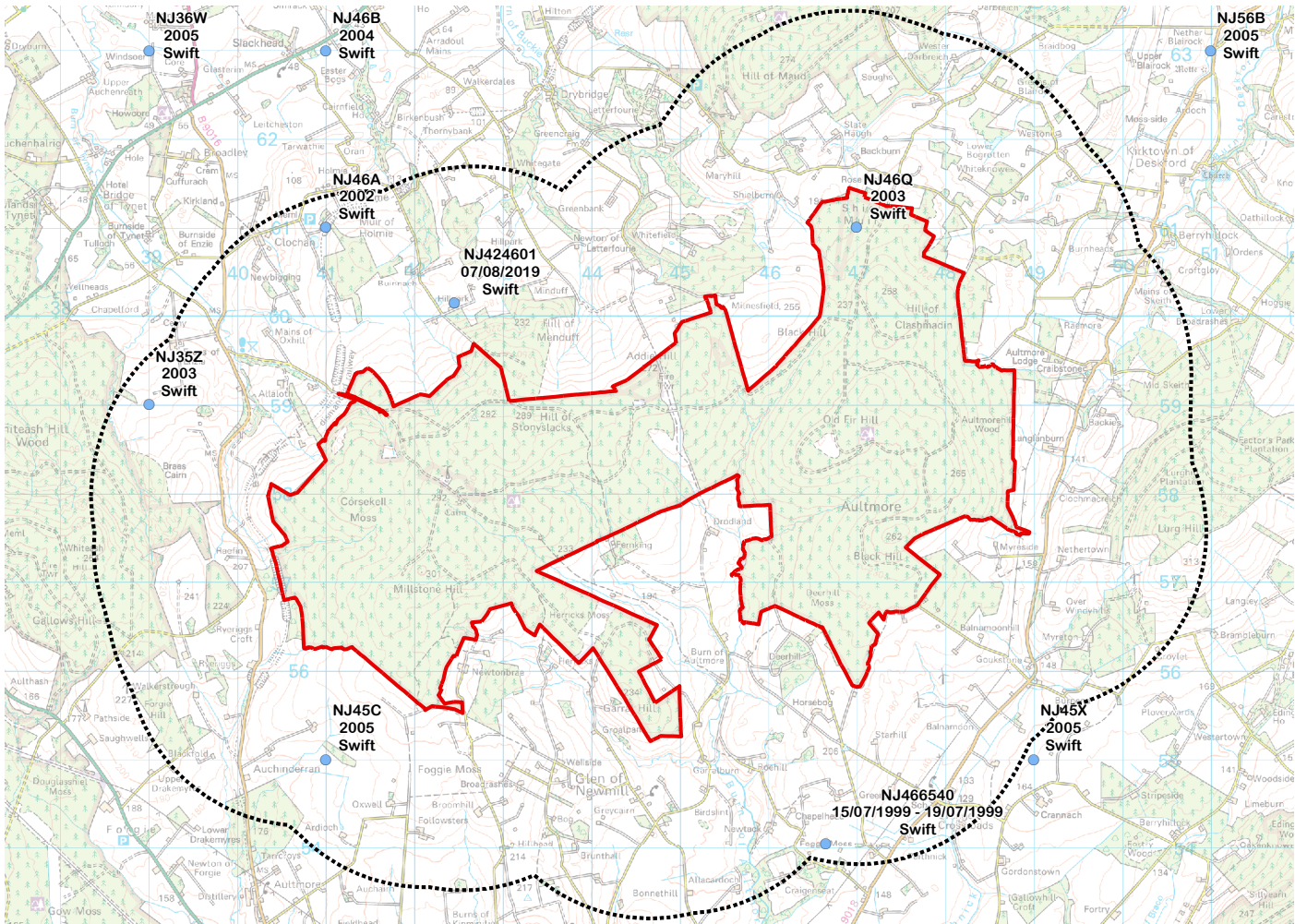


20210624	Bat records	Brown Long-eared Bat ( <i>Plecotus auritus</i> ) Soprano Pipistrelle ( <i>Pipistrellus pygmaeus</i> ) Common Pipistrelle ( <i>Pipistrellus pipistrellus</i> ) Pipistrelle Bat species ( <i>Pipistrellus</i> )	Aultmore	NJ 44822 58180
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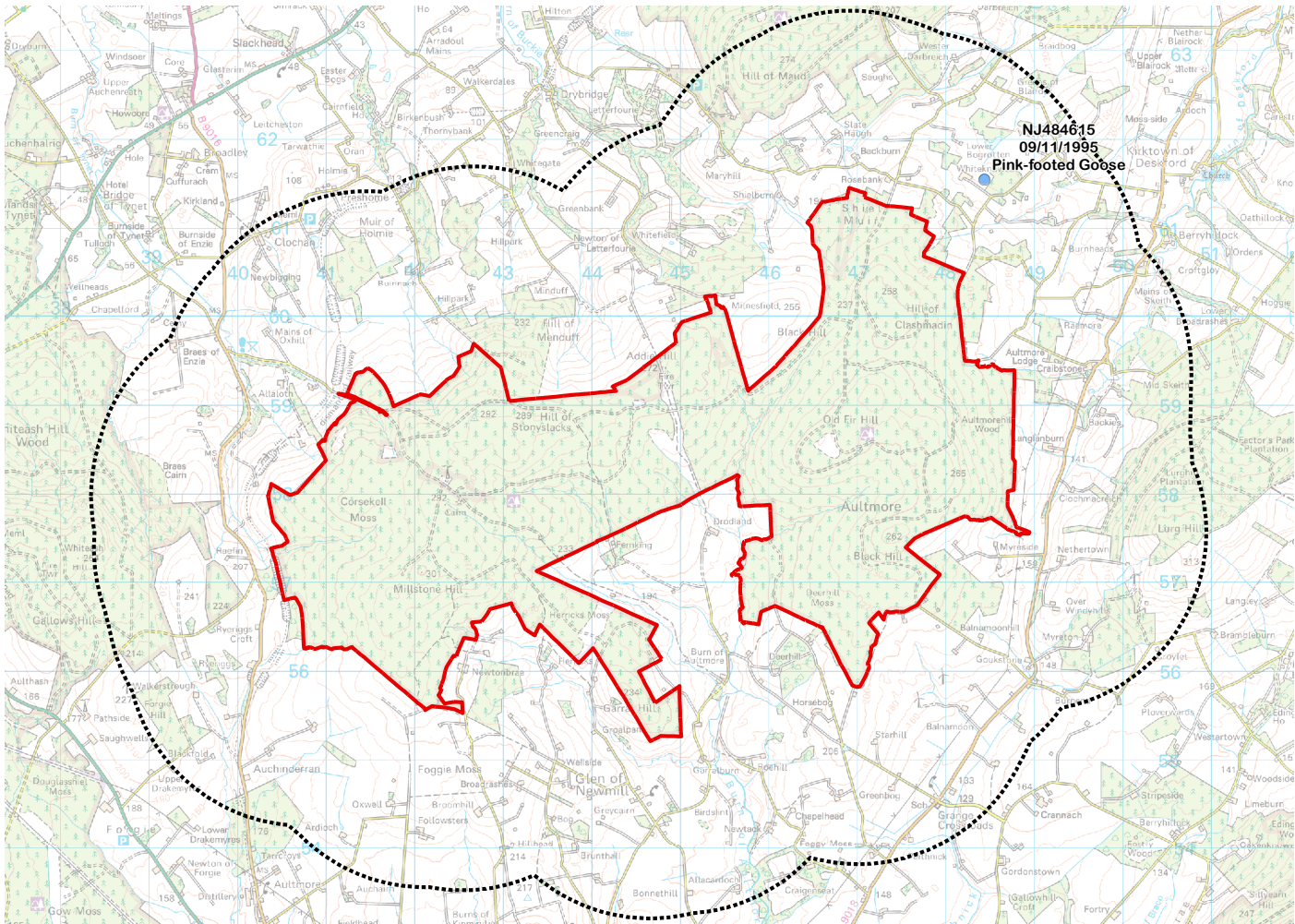




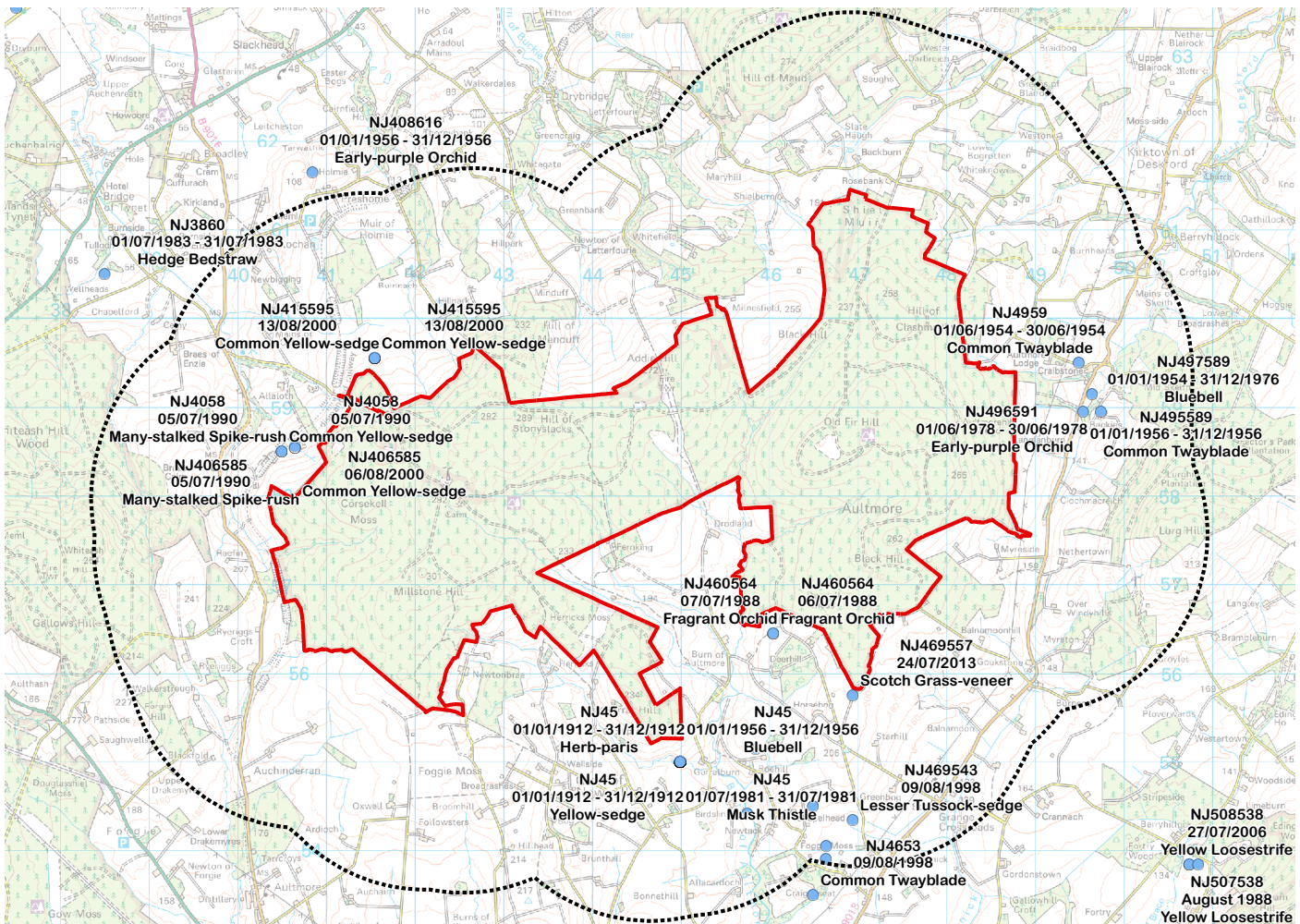
20210624	Common Swift records	Swift (Apus apus)	Aultmore	NJ 44822 58180
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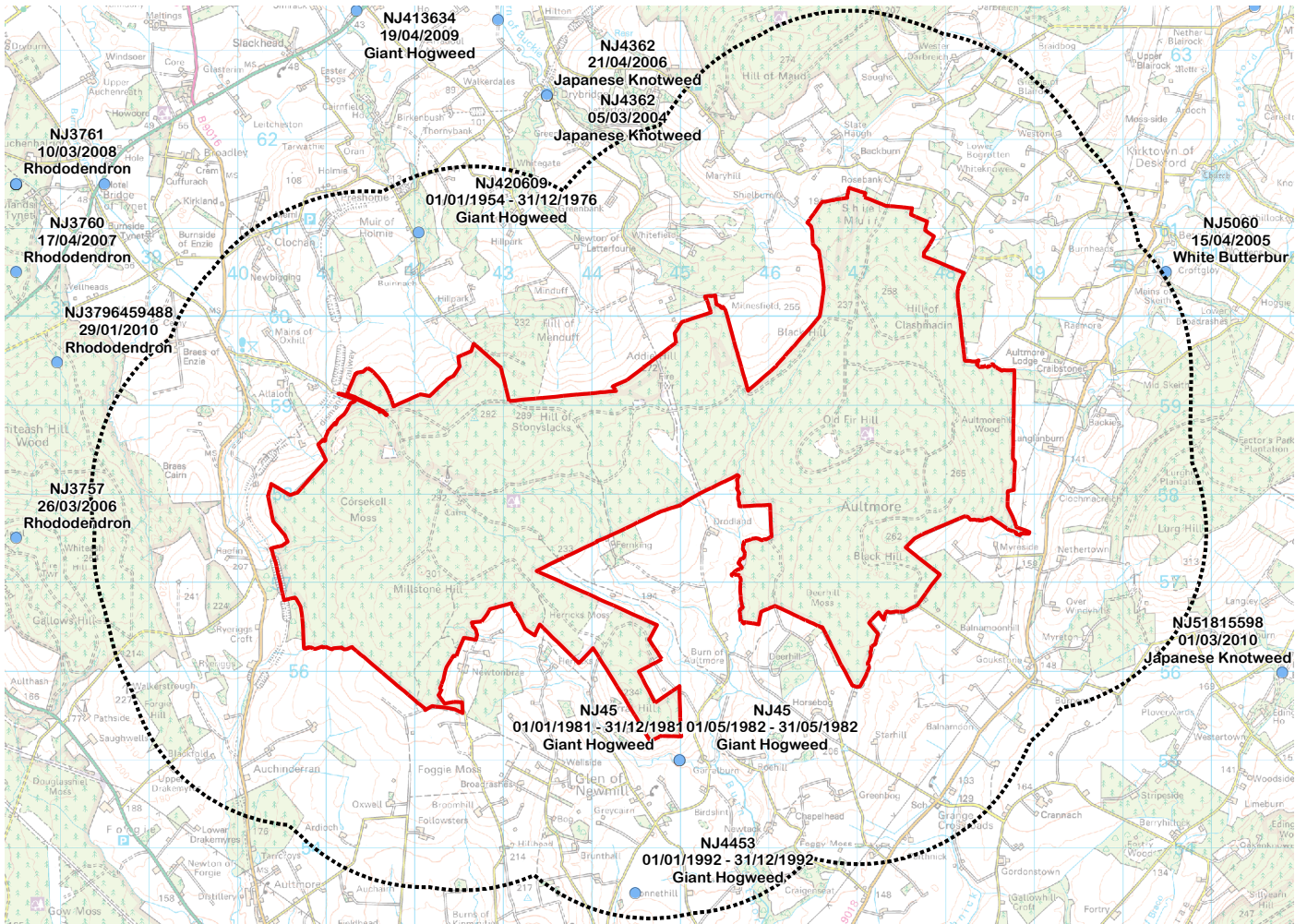
20210624	Geese	Pink-footed Goose ( <i>Anser brachyrhynchus</i> )	Aultmore	NJ 44822 58180
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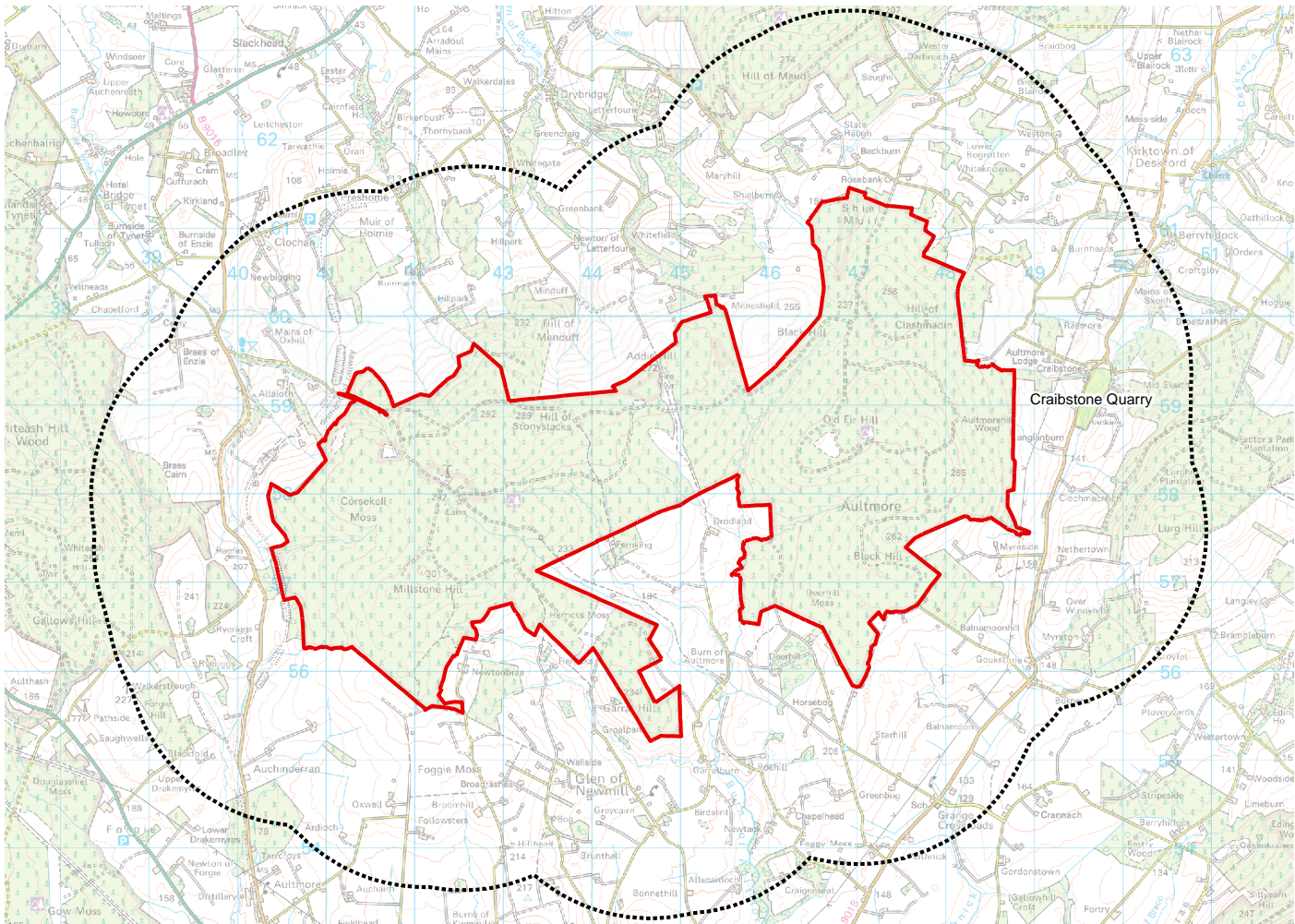
20210624	NE LBAP Locally Important Species	Black Bog-rush ( <i>Schoenus nigricans</i> ) Bluebell ( <i>Hyacinthoides non-scripta</i> ) Clustered Dock ( <i>Rumex conglomeratus</i> ) Common Crowsfoot ( <i>Valerianella locusta</i> ) Common Twayblade ( <i>Neottia ovata</i> ) Common Yellow-sedge ( <i>Carex viridula</i> subsp. <i>oedocarpa</i> ) Early-purple Orchid ( <i>Orchis mascula</i> ) Eurasian Water Shrew ( <i>Neomys fodiens</i> ) Floating Bur-reed ( <i>Sparganium angustifolium</i> ) Fragrant Orchid ( <i>Gymnadenia conopsea</i> ) Great Sundew ( <i>Drosera anglica</i> ) Hedge Bedstraw ( <i>Galium mollugo</i> ) Herb-paris ( <i>Paris quadrifolia</i> ) Least Bur-reed ( <i>Sparganium natans</i> ) Lesser Tussock-sedge ( <i>Carex diandra</i> ) Many-stalked Spike-rush ( <i>Eleocharis multicaulis</i> ) Musk Thistle ( <i>Carduus nutans</i> ) Rough Horsetail ( <i>Equisetum hyemale</i> ) Scotch Grass-veneer ( <i>Catoptria permutatellus</i> ) Small Cudweed ( <i>Filago minima</i> ) Small-fruited Yellow-sedge ( <i>Carex viridula</i> subsp. <i>viridula</i> ) Yellow-sedge ( <i>Carex viridula</i> )	Aultmore	NJ 44822 58180
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20210624	Invasive Non-Native Plant Species	Giant Hogweed ( <i>Heracleum mantegazzianum</i> )	Aultmore	NJ 44822 58180
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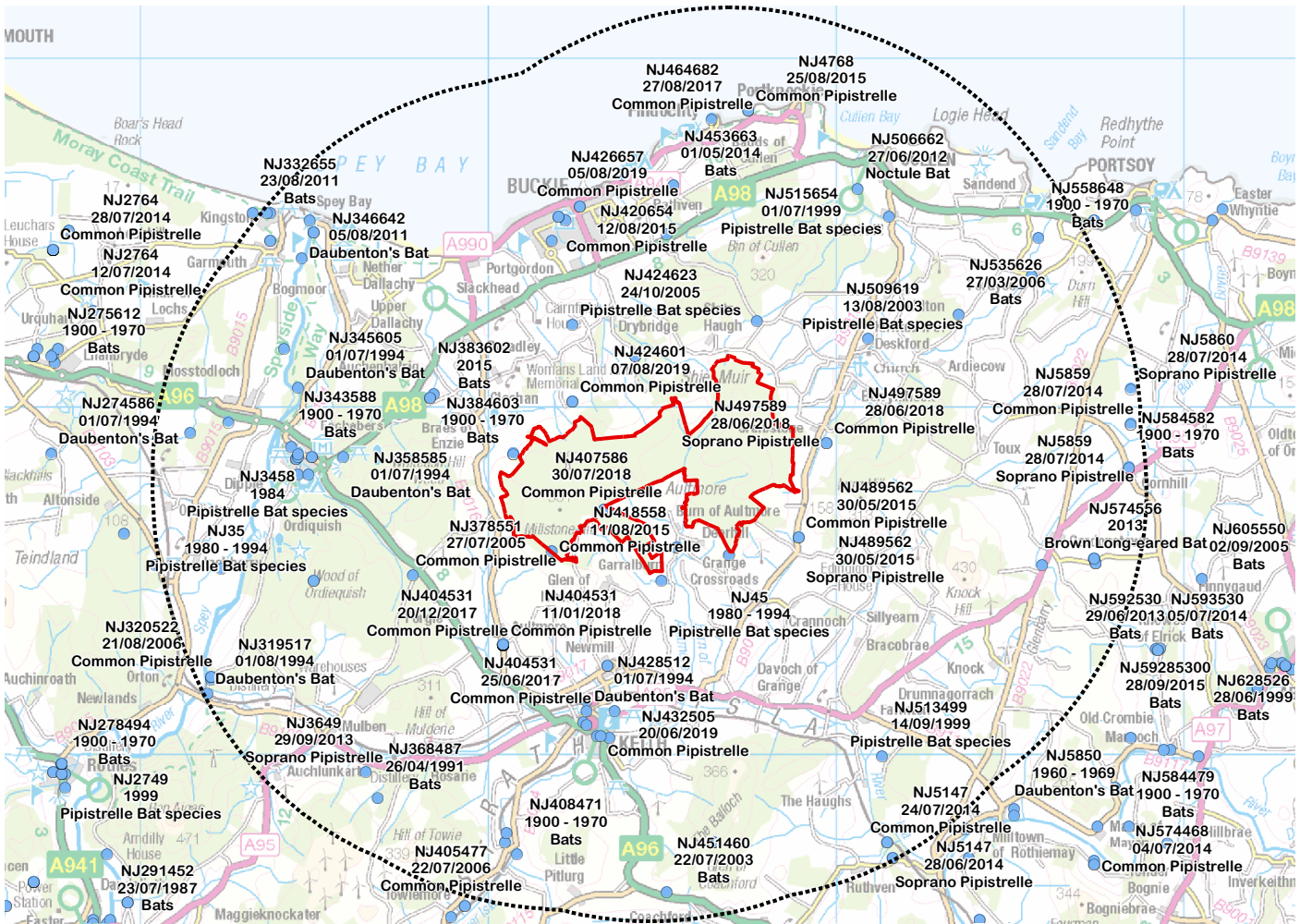


20210624	SESA botany	B138:Craibstone Quarry - A disused flooded limestone quarry with an adjacent area of mixed woodland and a section of the Deskford Burn. The flooded quarry is largely covered by Broadleaved Pondweed and holds a few species of amphibians. The trees near the	Aultmore	NJ 44822 58180
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10km search area maps

20210624	Bat records	Brown Long-eared Bat ( <i>Plecotus auritus</i> ) Daubenton's Bat ( <i>Myotis daubentonii</i> ) Noctule Bat ( <i>Nyctalus noctula</i> ) Soprano Pipistrelle ( <i>Pipistrellus pygmaeus</i> ) Common Pipistrelle ( <i>Pipistrellus pipistrellus</i> ) Pipistrelle Bat species ( <i>Pipistrellus</i> ) Bats (Chiroptera)	Aultmore	NJ 44822 58180
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