

LONGCROFT WIND FARM

Technical Appendix 8.1: Ecology Desk Study Report

Prepared for: RES

Client Ref: 405.064862.00001

SLR Ref: 405.064862.00001
Version No: 2
October 2023

SLR 

Document Control	
Document Properties	
Organisation	RES
Project Name	Longcroft Wind Farm
Report Title	Ecological Desk Study Report
Author(s)	Stuart Abernethy & Helen Allinson
Draft version/final	Final
Document reference	Longcroft TA 8.1 Desk Study Draft Rev1 271023

Date	Revision No.	Prepared By	Reviewed By	Approved By	Status	Comments
07/02/2023	1	Stuart Abernethy & Helen Allinson	Nicola Tyrrell	Nicola Tyrrell	Draft	
27/10/2023	2	Stuart Abernethy & Helen Allinson	Nicola Tyrrell	Nicola Tyrrell	Final	

BASIS OF REPORT

This document has been prepared by SLR with reasonable skill, care and diligence, and taking account of the timescales and resources devoted to it by agreement with RES (the Client) as part or all of the services it has been appointed by the Client to carry out. It is subject to the terms and conditions of that appointment.

SLR shall not be liable for the use of or reliance on any information, advice, recommendations and opinions in this document for any purpose by any person other than the Client. Reliance may be granted to a third party only in the event that SLR and the third party have executed a reliance agreement or collateral warranty.

Information reported herein may be based on the interpretation of public domain data collected by SLR, and/or information supplied by the Client and/or its other advisors and associates. These data have been accepted in good faith as being accurate and valid.

The copyright and intellectual property in all drawings, reports, specifications, bills of quantities, calculations and other information set out in this report remain vested in SLR unless the terms of appointment state otherwise.

This document may contain information of a specialised and/or highly technical nature and the Client is advised to seek clarification on any elements which may be unclear to it.

Information, advice, recommendations and opinions in this document should only be relied upon in the context of the whole document and any documents referenced explicitly herein and should then only be used within the context of the appointment.

CONTENTS

1.0 INTRODUCTION	1
1.1 Site Description.....	1
1.2 Surrounding Area.....	1
1.3 Desk Study Scope.....	1
2.0 METHODS	2
2.1 Designated Sites.....	2
2.2 Other Sites of Nature Conservation Importance.....	2
2.3 Protected and Notable Species.....	2
2.4 Nomenclature	2
3.0 RESULTS.....	3
3.1 Designated Sites.....	3
3.1.1 Statutory Designated Sites.....	3
3.1.2 Non-statutory Designated Sites.....	4
3.2 Other Sites of Nature Conservation Interest.....	5
3.3 Protected and Notable Species.....	5
3.3.1 Invasive/Non-native Species.....	5
4.0 SUMMARY	7
FIGURES	8

DOCUMENT REFERENCES

TABLES

Table 3-1 Statutory Designated Sites within 10km of the Site.....	3
Table 3-2 Non-statutory Designated Sites within 2km of the Site Boundary	4

APPENDICES

- Appendix 01: Summary of Protected/Notable Species Records
- Appendix 02: Glossary of Codes for Species Protection/Conservation Status

1.0 Introduction

SLR was commissioned by RES to carry out a non-avian ecology desk study for the proposed Longcroft Wind Farm ('the proposed development'), located in the Scottish Borders. The desk study was completed in February 2023, with results used to inform the Scoping Report and Environmental Impact Assessment (EIA) associated with the Proposed Development. The site is defined by the red line as shown on **Figure 8.1.1**. This desk study was originally completed in February 2023 and updated in October 2023, and the results have been used to inform plans for the site and the associated Scoping and Environmental Impact Assessment (EIA) Report.

1.1 Site Description

The site is centred on grid reference NT 54935 55991, and is located at its closest point, 3.2km east of where the A68 road joins the A697 to the south of the village of Oxton. The site sits entirely within the Scottish Borders Council administrative boundary.

The site is covered predominantly by upland heath and bordered on the west and east sides by commercial forestry. The majority of the site is currently used for sheep grazing and for recreation as part of the Lammermuir plateau. Elevations in the site include Riddle Law at the centre (392m Above Ordinance Datum), Wedder Law to the east (447m), Cadam Law to the west (360m) and Hogs Law (449m) and Peat Law (414m) at the south of the site.

Tributaries of the Leader Water, including the Soonhope Burn and Whalplaw Burn flow through the site from north to south as part of the larger River Tweed catchment.

1.2 Surrounding Area

The surrounding area is rural in nature, with land predominantly used for upland grazing, recreation and there are some operational wind farms nearby to the northeast. The nearest settlement to the site is Oxton. The nearest properties to the site are located at the end of the D124, namely Longcroft Farmhouse, No. 1 – 4 Longcroft Farm Cottages, Soonhope House and Soonhope Bothy .

1.3 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 10km for statutory designated sites and up to 2km for species and for non-statutory designated sites). The desk study summarises the results of data obtained from The Wildlife Information Centre (TWIC) and data provided within Environmental Impact Assessment Reports (EIAR) for other nearby development proposals.

2.0 Methods

2.1 Designated Sites

Information regarding designated sites and other sites of nature conservation interest was obtained from the MAGIC online GIS tool¹ and the NatureScot Sitelink website². A search for the following sites were carried out:

- Statutory designated sites within 10km of the site boundary, including Special Areas of Conservation (SACs); Ramsar sites; Sites of Special Scientific Interest (SSSIs); National Nature Reserves (NNR); and Local Nature Reserves (LNR).
- Non-statutory designated sites within 2km of the site boundary, including Local Nature Conservation Sites (LNCS) such as Local Biodiversity Sites (LBS) and provisional Local Biodiversity Sites (pLBS).

2.2 Other Sites of Nature Conservation Importance

The desk study also included a data search for woodlands listed on the Ancient Woodland Inventory³ within 2km of the site Boundary.

2.3 Protected and Notable Species

Desk study data were acquired for protected and notable species from the following sources:

- The Wildlife Information Centre⁴ (TWIC) – protected and notable species records within 2km of the site boundary. Information was obtained for all years, which was later sifted to show data recorded within the last 15 years.
- Existing ecological data gathered to inform environmental assessments for wind farms and other development projects within 10km of the site (where available), including:
 - Fallago Rig 2 – Bat Survey Report, by Amec Foster Wheeler⁵;
 - Gilston Hill Wind Farm EIAR, by SLR Consulting⁶; and
 - Dunside Wind Farm – EIA Scoping Report, by Land Use Consultants (LUC)⁷.

2.4 Nomenclature

Scientific (Latin) names are provided on first mention within the main body of the report.

¹ DFREA MAGIC online GIS Tool. Available at: <https://magic.defra.gov.uk/>

² NatureScot Sitelink. Available at: <https://sitelink.nature.scot/home>

³ In Scotland, Ancient Woodland is defined as land that is currently wooded or has been continuously wooded, at least since 1750.

⁴ The Wildlife Information Centre. Available online at: <http://www.wildlifeinformation.co.uk/>

⁵ Amec Foster Wheeler (2015). Fallago Rig 2: Bat Survey report. Prepared for EDF Energy Renewables Ltd.

⁶ SLR Consulting (2017) Gilston Hill Wind Farm Environmental Statement Chapter 8: Ecology Available online: <https://eplanning.scotborders.gov.uk/online-applications/applicationDetails.do?activeTab=documents&keyVal=OLEKRMNTJS500>

⁷ LUC Consultants (2022). Dunside Wind Farm. Environmental Impact Assessment Scoping Report. Available online: <https://dunsidewindfarm.co.uk/wp-content/uploads/2022/03/11838-Dunside-EIA-Scoping-Report-CLEAN.pdf>

3.0 Results

3.1 Designated Sites

3.1.1 Statutory Designated Sites

A total of one statutory designated site of international interest and six statutory sites of national interest that support habitats and/or species of nature conservation importance were identified within 10km of the site boundary, as detailed in Table 3-1 and illustrated in **Figure 8.1.1**.

Table 3-1
Statutory Designated Sites within 10km of the Site

Site Name	Designation	Approximate Distance and Direction from Site Boundary	Reasons for Designation
River Tweed	SAC	Within site	Qualifying features include: Watercourses of plain to montane levels with <i>Ranuncion fluitantis</i> and <i>Callitricho-Batrachion</i> vegetation; Otter <i>Lutra lutra</i> ; Atlantic Salmon <i>Salmo salar</i> ; Brook lamprey <i>Lampetra planer</i> ; River lamprey <i>Lampetra fluviatile</i> ; and Sea lamprey <i>Petromyzon marinus</i> .
	SSSI		Notified features include: Freshwater habitats (trophic range river/stream); Vascular plant assemblage; Otter; Atlantic Salmon; Brook lamprey; River lamprey; Sea lamprey; and Beetle and fly assemblage.
Lammer Law	SSSI	0.8km north	Blanket bog and juniper scrub
Airhouse Wood	SSSI	4.5km southwest	Upland oak ancient woodland
Danskine Loch	SSSI	7.5km north	Fens and fen woodland
Papana Water	SSSI	8.4km north	Upland mixed ash woodland
Fala Flow	Ramsar	8.9km northwest	

Site Name	Designation	Approximate Distance and Direction from Site Boundary	Reasons for Designation
	SSSI		Blanket mire supporting 2% of the Eastern Greenland/ Iceland/ UK biogeographic population of Pink-footed goose (<i>Anser brachyrhynchus</i>).

3.1.2 Non-statutory Designated Sites

A total of five non-statutory designated Local Biodiversity Sites (LBS's) and seven provisional Local Biodiversity Sites (pLBS), designated for supporting features of nature conservation interest, were identified within 2km of the site boundary. Details of each are provided in Error! Not a valid bookmark self-reference. and depicted in **Figure 8.1.2**.

Table 3-2 Non-statutory Designated Sites within 2km of the Site Boundary

Site Name	Designation	Area (ha)	Site Description	Approximate Distance and Direction from Site Boundary
Soonhope Burn Upper, The Howe	LBS	144.3	Upland birchwoods, cleughs and flushes with both Borders and UK priority species	Within site
Soonhope Burn upper and Longformacus Burn	LBS	118.8	Upland burnsides, cleughs and flushes with notable plants	0.8km north
Soonhope Burn, Lower	pLBS	124	No data	Within site
Whalplaw Burn, Upper	LBS	223.9	Burnside and flush communities including fine base-rich flushes and juniper	Within site
Earnscleugh Water – Nether Stirkstruther	pLBS	131.8	No data	0.54km east
Earnscleugh Water - Bermuda	pLBS	84.7	No data	0.61km east
Earnscleugh Water – Borrowston Rig	pLBS	64.0	No data	1.05km southeast
Earnscleugh Water, Earns Cleugh	pLBS	53.2	No data	1.63km south
Addinston Hill Meadow	pLBS	18.6	No data	0.25km southwest
Kelphope Burn Dod Cleugh to Hazeldean Wood	pLBS	11.4	No data	0.48km east

Site Name	Designation	Area (ha)	Site Description	Approximate Distance and Direction from Site Boundary
Crib Law	LBS	272.2	Summit heath, burnsides, flushes, moorland with nationally scarce and locally rare plants and priority flushes.	1.98km northwest
Wester Black Burn	LBS	96.3	Burnsides and degraded moorland with one fine acid flush.	1.86km northeast

Table Notes:
LBS – Local Biodiversity Site (to be adopted); **pLBS** = provisional Local Biodiversity Site

3.2 Other Sites of Nature Conservation Interest

The data search returned no information relating to ancient woodland habitat within 2km of the site boundary. Ancient woodland was however identified within the wider area (within 10km of the site).

3.3 Protected and Notable Species

Full details relating to records of protected and/or notable species within 2km of the site boundary are located in Tables A1-1 and A1-2 of Appendix 01.

The desk study data (from the local records centre and relevant ecological reports), includes records for the following protected or notable species from within 2km of the site:

- Nine species of plants;
- 20 species of insect;
- One amphibian and one reptile species;
- Four species of fish; and
- Eight species of mammals, including the legally protected species of Eurasian otter (*Lutra lutra*), Eurasian badger (*Meles meles*) and Eurasian red squirrel (*Sciurus vulgaris*).

No data relating to bat species were returned within 2km of the site. However, at least eight species of bat have been recorded within 10km of the site in the last 15 years, including Daubenton's bat *Myotis Daubentonii*, Natterer's bat *Myotis nattereri*, common noctule *Nyctalus noctula*, Leisler's bat *Nyctalus leiseri*, Nathusius' pipistrelle *Pipistrellus nathusii*, common pipistrelle *Pipistrellus pipistrellus*, Soprano pipistrelle *Pipistrellus pygmaeus*, brown long-eared bat *Plecotus auritus*.

3.3.1 Invasive/Non-native Species

Flora

The data search returned records for three non-native plant species within 2km of the site boundary (Table A1-3 of Appendix 01):

- Hybrid bluebell (*Hyacinthoides non-scripta x hispanica* = *H. x massartiana*);
- Seep monkeyflower (*Mimulus guttatus*); and
- Common snowberry (*Symphoricarpos albus*).

Fauna

Records of one invasive mammal species, Eurasian grey squirrel (*Sciurus carolinensis*), were returned within 2km of the site boundary.

4.0 Summary

This desk-based study has been carried out to provide information relating to the potential nature conservation interest of the site and its surroundings. The findings of the desk study are summarised below.

Six statutory designated sites were identified within 10km of the site boundary, two of which – the River Tweed SAC and SSSI – are hydrologically connected to the site.

Qualifying features of the River Tweed SAC include:

- Watercourses of plain to montane levels with *Ranunculion fluitantis* and *Callitriche-Batrachion* vegetation;
- Atlantic salmon;
- Otter; and
- Sea, brook and river lamprey.

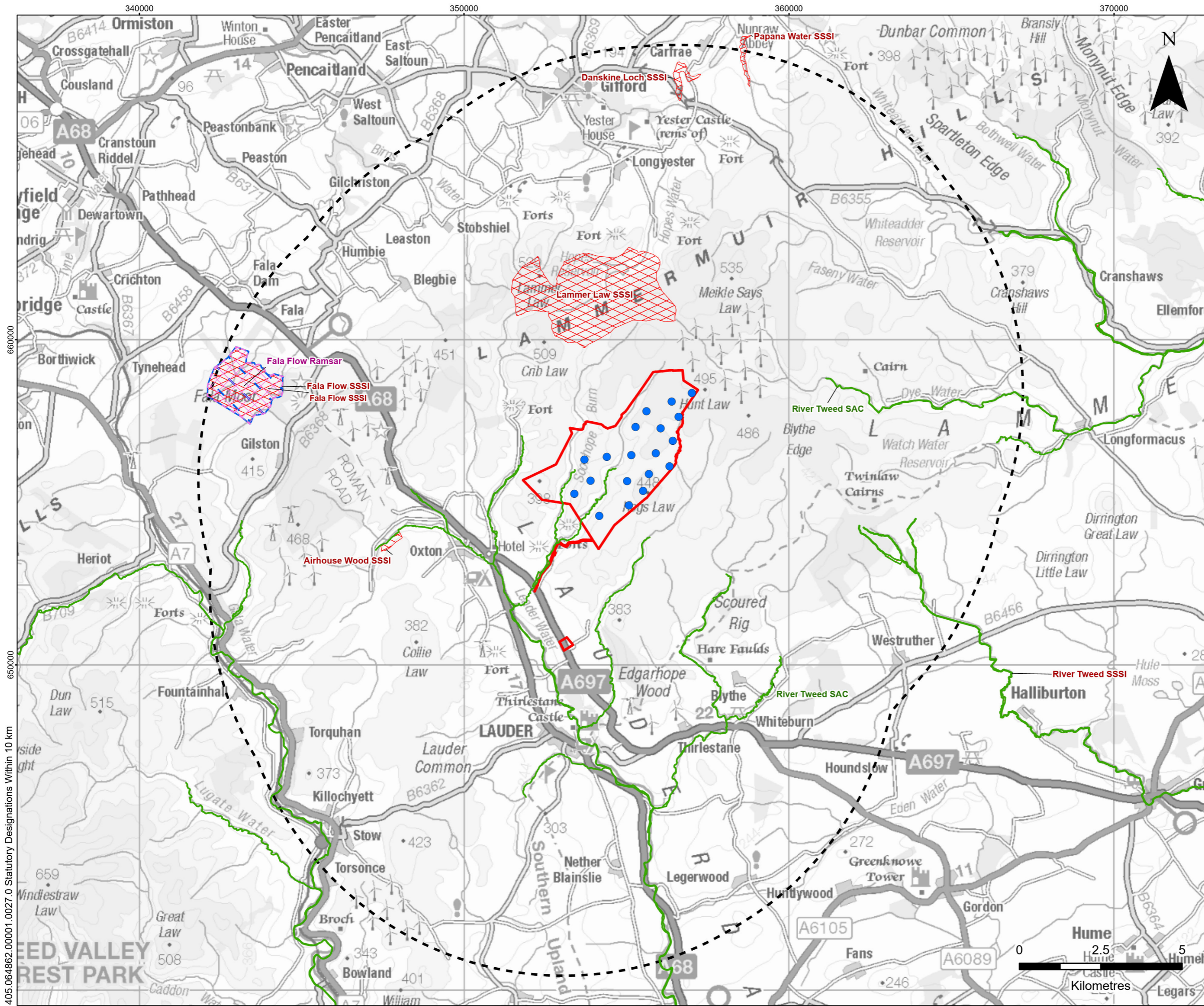
The River Tweed is also notified as a SSSI for supporting a diverse vascular plant, beetle, and fly assemblage, in addition to the features identified above.

The desk study returned data relating to 12 non-statutory designated sites within 2km of the site boundary, three of which (Soonhope Burn Upper, Soonhope Burn Lower, and Whaplaw Burn) are located within the site boundary.

Based on a review of data provided by TWIC and existing baseline information gathered to inform surrounding development projects, potential exists for the following protected and / or notable species to occur within the site: Otter; water vole; red squirrel; badger; pine marten; commuting, foraging and roosting bat species; reptiles; fish; and notable plant species such as the violet jellydisc fungus.

Records relating to three non-native species were identified through the data search carried out by TWIC.

FIGURES



LEGEND

- Site Boundary
- Site Boundary 10 km Buffer
- Proposed Turbine Location
- Ramsar
- Site of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)



LONGCROFT WIND FARM
DESK STUDY
STATUTORY DESIGNATIONS
WITHIN 10 KM

FIGURE 8.1.1

Scale 1:110,000 @ A3 Date OCTOBER 2023

348000

352000

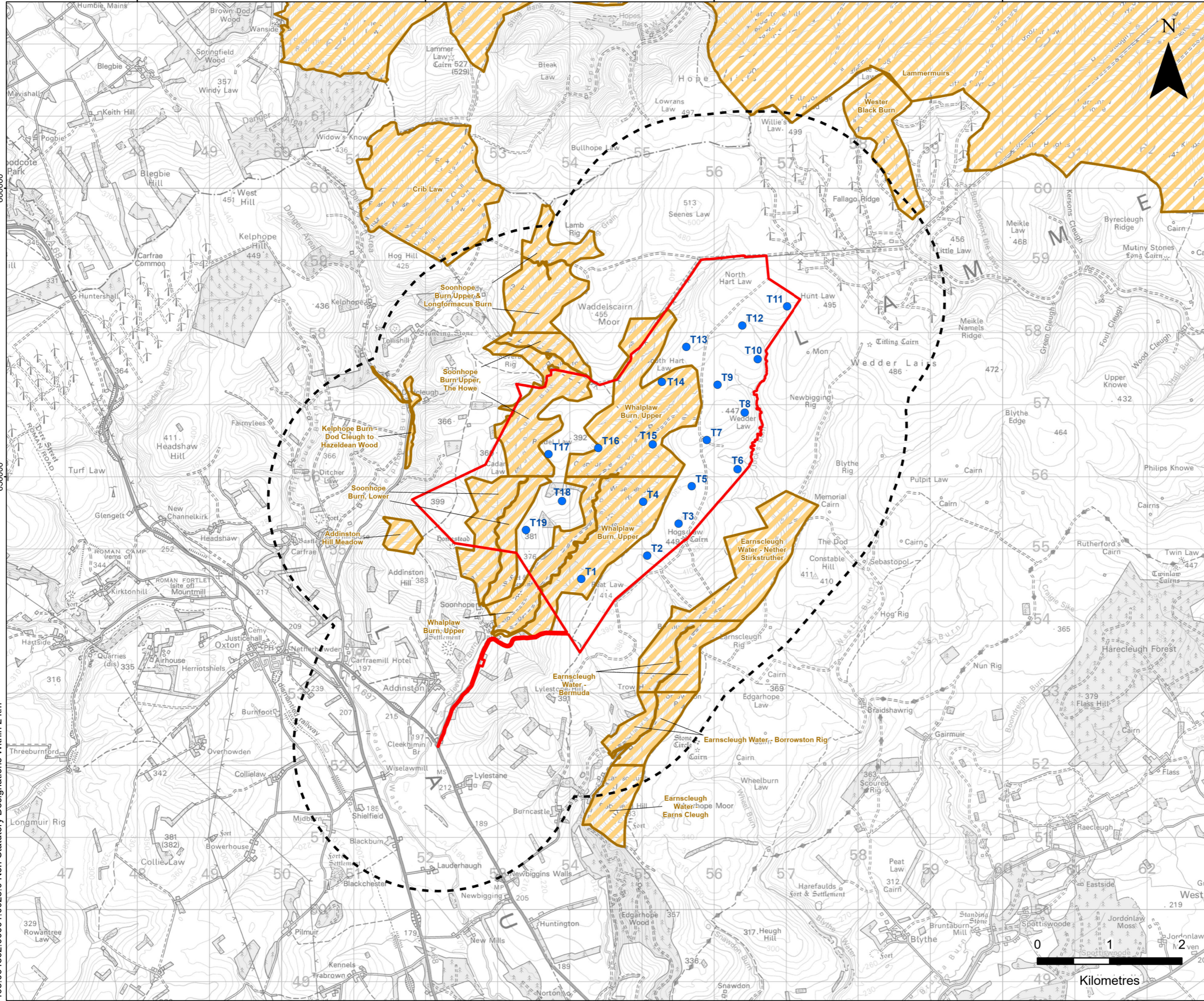
356000

360000





660000

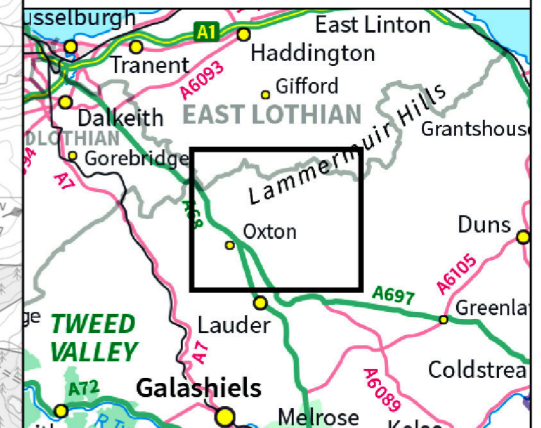
656000

405.064862.00001.0028.0 Non-Statutory Designations Within 2 km



LEGEND

-  Site Boundary
-  Site Boundary 2 km Buffer
-  Proposed Turbine Location
-  Local Nature Conservation Site (LNCS)



LONGCROFT WIND FARM

DESK STUDY

NON-STATUTORY DESIGNATIONS
WITHIN 2 KM

FIGURE 8.1.2

Scale 1:50,000 @ A3 Date OCTOBER 2023

APPENDIX 01

Protected/Notable Species Records

Table A1- 1 Summary of Protected/Notable Species Records

Species	Nearest Location to Site	Data Source	Most Recent Record (Year)	Protection/Conservation Status (see Table A1-4 for Acronym Definitions)
Flora				
Common juniper <i>Juniperus communis</i>	Within site	Botanical Society of Britain and Ireland (vc81) 2000	2009	SBL
Black bindweed <i>Fallopia convolvulus</i>	Approximately 1.25km SW	SBBRC - General Borders Records 2000 - 2009	2000	SBL
Purple ramping fumitory <i>Fumaria purpurea</i>	Approximately 1.25km SW	SBBRC - General Borders Records 2000 - 2009	2000	SBL, NS-excludes
Welsh poppy <i>Meconopsis cambrica</i>	Approximately 1.3km NW	Botanical Society of Britain and Ireland (vc81) 2000	2009	NS - excludes
Charlock <i>Sinapis arvensis</i>	Approximately 200m W	Botanical Society of Britain and Ireland (vc81) 2000	2009	SBL
Lichen - <i>Lecania cyrtella</i>	Approximately 800m NW (four figure grid reference only)	British Lichen Society - BLS Lichen Database: Scotland 1700-2016	2012	SBL
Lichen - <i>Ramalina fraxinea</i>	Approximately 800m NW (four figure grid reference only)	British Lichen Society - BLS Lichen Database: Scotland 1700-2016	2012	SBL
Good king henry <i>Chenopodium bonus-henricus</i>	1km SW	Botanical Society of Britain and Ireland (vc82)	2009	SBL, SB LBAP
Hairy stonecrop <i>Sedum villosum</i>	0.2km W	Botanical Society of Britain and Ireland (vc81) 2000	2011	SB-LBAP, NS-excludes, RLGB.Lr(NT)
Invertebrates				
Northern brown Argus <i>Aricia artaxerxes</i>	0.4km W	Butterfly Conservation - Scottish Borders Butterflies	2014	SBL, SB-LBAP, RLGB.VU
Small heath <i>Coenonympha pamphilus</i>	Within site	Butterfly Conservation - Scottish Borders Butterflies	2019	SBL, RLGB.Lr(NT)

Species	Nearest Location to Site	Data Source	Most Recent Record (Year)	Protection/Conservation Status (see Table A1-4 for Acronym Definitions)
Knot grass <i>Acronicta rumicis</i>	1.4km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Ear moth <i>Amphipoea oculea</i>	0.6km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Garden Tiger <i>Arctia caja</i>	0.9km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Mottled Rustic <i>Caradrina morpheus</i>	2.3km S	Butterfly Conservation National Moth Recording Scheme (vc81)	2010	SBL
Haworth's Minor <i>Celaena haworthii</i>	Within site	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Broom moth <i>Ceramica pisi</i>	0.5km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2016	SBL
Lattice heath <i>Chiasmia clathrata</i>	2.2km S	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Sallow <i>Cirrhia icteritia</i>	2.3km S	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Brindled Ochre <i>Dasypolia templi</i>	1.6km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Small phoenix <i>Ecliptopera silaceata</i>	2.3km S	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Grey mountain carpet <i>Entephria caesiata</i>	Within site	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Autumnal rustic <i>Eugnorisma glareosa</i>	0.5km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Rosy rustic <i>Hydraecia micacea</i>	1.6km S	Butterfly Conservation National Moth Recording Scheme (vc81)	2016	SBL

Species	Nearest Location to Site	Data Source	Most Recent Record (Year)	Protection/Conservation Status (see Table A1-4 for Acronym Definitions)
White ermine <i>Spilosoma lubricipeda</i>	0.9km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2015	SBL
Anomalous <i>Stilbia anomala</i>	0.5km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Pale eggar <i>Trichiura crataegi</i>	0.5km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Red carpet <i>Xanthorhoe decoloraria</i>	0.8km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Heath rustic <i>Xestia agathina</i>	0.8km SE	Butterfly Conservation National Moth Recording Scheme (vc81)	2018	SBL
Reptiles & Amphibians				
Adder <i>Vipera berus</i>	Within site	ARG-UK and ARC Record Pool data	2012	WCA5/9.1k/l, SBL
Mammals				
Brown hare <i>Lepus europaeus</i>	0.2km NW	TWIC	2017	SBL
Eurasian badger <i>Meles Meles</i>	Within s	TWIC	2015	PBA
Eurasian otter <i>Lutra lutra</i>	2.2km S	SNH (NatureScot)	2011	HabRegs2, SBL, SB-LBAP WCA5/9.4b, WCA5/9.4c
Eurasian red squirrel <i>Sciurus vulgaris</i>	Within site	SBBRC	1994	SBL, WCA5/9.1k/l, WCA5/9.1t, WCA5/9.4.a, WCA5/9.4b, WCA5/9.4c
Mountain hare	Within site	BTO	2019	HabRegs4, SBL, SB-LBAP
Fish				
European eel <i>Anguilla anguilla</i>	0.7km W	Tweed Foundation	2003	OSPAR, SBL, SB LBAP, FFCE
Atlantic salmon <i>Salmo salar</i>	0.5km E	Tweed Foundation	2003	HabRegs4, OSPAR, SBL, SFFA
Brown trout <i>Salmo trutta</i>	Within site	SNH – Lamprey survey	2004	SBL, SFFA

Species	Nearest Location to Site	Data Source	Most Recent Record (Year)	Protection/Conservation Status (see Table A1-4 for Acronym Definitions)
Lamprey <i>Lampetra</i>	sp 2.6 km W	Tweed Foundation	2001	SB-LBAP, SFFA

Table A1- 2 Summary of Bat Species within 10km of Site within the past 15 years

Species	Nearest Location to Site	Most Recent Record (Year)	Protection/Conservation Status (see Table A1-4 for Acronym Definitions)
<i>Myotis spp.</i>	5.2km W	2018	HabRegs2, SBL
Daubentons <i>Myotis Daubentonii</i>	6.2km SE	2016	HabRegs2, SBL
Natterers <i>Myotis nattereri</i>	3.9km W	2016	HabRegs2, SBL
Noctule <i>Nyctalus noctula</i>	6.2km NW	2016	HabRegs2, SBL
Leislars <i>Nyctalus leiseri</i>	9km W	2015	HabRegs2
<i>Pipistrellus spp.</i>	6.2km W	2018	HabRegs2, SBL
Common pipistrelle <i>Pipistrellus pipistrellus</i>	5.2km W	2018	HabRegs2, SBL
Nathusius pipistrelle Pipistrellus nathusii	9km W	2015	HabRegs2, SBL
Soprano pipistrelle <i>Pipistrellus pygmaeus</i>	5.2km W	2018	HabRegs2, SBL
<i>Brown long-eared bat</i> <i>Plecotus auritus</i>	6.2km NW	2018	HabRegs2, SBL

Table A1- 3. Summary of Non-native Species recorded within 2km of the Site in the past 15 years

Species	Nearest Location to Site	Last Record	International and National Status
Hybrid Bluebell <i>Hyacinthoides non-scripta x hispanica = H. x massartiana</i>	Within site	2010	N/A
Seep Monkeyflower <i>Mimulus guttatus</i>	0.2km W	2009	N/A
Common Snowberry <i>Symphoricarpos albus</i>	3.9km SW	2009	N/A
Eurasian grey squirrel <i>Sciurus carolinensis</i>	0.4km W	2014	N/A

Table 1- 4. Glossary of Codes for Species Protection/Conservation Status

Abbreviation	Full Designation	Type	Description
FFCE	The Freshwater Fish Conservation (Prohibition on Fishing for Eels) (Scotland) Regulations 2008	Scotland	Protection for European Eels
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 (as amended in Scotland) (Schedule 4)	Legislation	Schedule 4- Animals which may not be taken or killed in certain ways.
HabRegs5	The Conservation (Natural Habitats, &c.) Regulations 1994 (as amended in Scotland) (Schedule 5)	National Legislation	Schedule 5- European protected species of plants.
PBA	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.
SBL	Scottish Biodiversity List	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.
SFFA	Salmon and Freshwater Fisheries (Consolidation) (Scotland) Act 2003	Scotland	Protection for salmonid and other freshwater fish in Scotland.
WCA5/9.1k/l	Wildlife and Countryside Act 1981 (as amended in Scotland)(Schedule 5 Section 9.1 (killing/injuring))	National Legislation	Section 9.1. Animals which are protected from intentional killing or 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.

Abbreviation	Full Designation	Type	Description
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.
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.
SB LBAP	Scottish Borders Local Biodiversity Action Plan	Local Policy	The Scottish Borders Local Development Plan was adopted on 12 May 2016 and sets out policies on development and land use within the Scottish Borders up to 2025.
NS - excludes	Nationally rare. Excludes red listed taxa.	-	-
RGLB.DD	ICUN (2001) GB Red List – Data deficient	-	-
RLGB.Lr(NT)	IUCN - Global Red List: Lower Risk (Near Threatened)	-	-
RLGB.VU	IUCN (2001) GB Red List - Vulnerable	-	-

