



Appendix 15.7

Desktop Data

Coolglass Wind Farm EIAR Volume 3

Coolglass Wind Farm Limited

SLR Project No.: 501.V00727.00006

27 June 2023

Desktop records were sourced from the following locations:

- National Biodiversity Data Centre (NBDC);
- National Parks and Wildlife Services (NPWS) data request; and
- Data from previous surveys carried out by Fehily Timoney and Company.

For the NBDC data, data were compiled for the grid squares overlapping main wind farm (10 km square S58), and cable route options 1 and 2 (2 km square S58B for cable route option 1 and S59G for cable route option 2) in areas outside of main road network. For the NPWS data request, the optioned land shapefiles were used to query all hectads that intersected with a 5 km buffer surrounding the same shapefiles.

Data were downloaded from NBDC on 21/11/2022 and a data request was received from NPWS on 16/03/2022.

Only data collected within the last 10 years are shown however data from earlier years was also reviewed for any species records that may still be relevant to the assessment of effects. The older records comprised:

- For the main site, bird records from the three BTO/BWI atlases which are superseded by the comprehensive bird surveys undertaken for the project.
- For cable route option 1, aquatic invertebrates to family level, a few common species of plant, minnow and otter. These are all covered in more detail in the surveys undertaken for aquatic species, including otter, and assessed in the Chapter.
- For cable route Option 2, it as again records from the bird atlases plus common plant species and pine marten. Effects on Pine marten has been addressed in the Chapter, as have birds and common plant species.

Therefore, no additional species were found in the older records that required assessment in the Chapter.

Only species records not contained in the NBDC dataset are shown for the NPWS and Fehily Timoney and Company data sets.

1.0 Flora

Rare, threatened and invasive flora are listed below in **Table 1-1**. There were no recent records of rare or threatened flora within the main wind farm or along either GCR option. There were records of invasive Japanese knotweed and New Zealand pigmy weed records. Note that blue fleabane *Erigeron acer* is erroneously listed as endangered in the NBDC dataset but this is for Northern Ireland only; the current ROI red-list status is 'least concern'.

Table 1-1
Flora in 10 km grid square overlapping main wind farm

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Invasiveness
NBDC	Butterfly bush	<i>Buddleja davidii</i>	2022	Not assessed	Non-native; risk of medium impact
NBDC	Cherry laurel	<i>Prunus laurocerasus</i>	2013	Not assessed	Non-native; risk of high impact
NBDC	Japanese knotweed	<i>Fallopia japonica</i>	2018	Not assessed	Invasive; Third Schedule listed under regulations 49 & 50 in the European Communities (Birds and Natural Habitats) Regulations 2011; risk of high impact
NBDC	Montbretia	<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>	2021	Not assessed	Non-native; risk of low impact
NBDC	New Zealand pigmyweed	<i>Crassula helmsii</i>	2013	Not assessed	Invasive; Third Schedule listed under regulations 49 & 50 in the European Communities (Birds and Natural Habitats) Regulations 2011; risk of high impact
NBDC	Snowberry	<i>Symphoricarpos albus</i>	2020	Not assessed	Non-native; risk of low impact
NBDC	Sycamore	<i>Acer pseudoplatanus</i>	2021	Not assessed	Non-native; risk of low impact

There were no rare, threatened or invasive plant species recorded at GCR options A or B.

2.0 Avifauna

All bird species shown below in **Table 2-1** are red- or amber-listed under the Birds of Conservation Concern in Ireland version 4 (BoCCI4) scheme and/or are Annex 1 listed under the EC's Birds Directives. All birds in Ireland are protected under the Wildlife Acts (as amended) (2000).

Table 2-1
Avifauna in 10 km grid square overlapping main wind farm

Source	Common name	Latin name	Year of record	Conservation status / legal protection
NBDC	Barn swallow	<i>Hirundo rustica</i>	2021	BoCCI4 amber-list
Fehily Timoney	Barn owl	<i>Tyto alba</i>	2016	BoCCI4 red-list
Fehily Timoney	Bar-tailed godwit	<i>Limosa lapponica</i>	2017	BoCCI4 red-list
Fehily Timoney	Black-headed gull	<i>Chroicocephalus ridibundus</i>	2017	BoCCI4 amber-list
Fehily Timoney	Common gull	<i>Larus canus</i>	2017	BoCCI4 amber-list
NBDC	Common kestrel	<i>Falco tinnunculus</i>	2021	BoCCI4 red-list
NBDC	Common linnet	<i>Carduelis cannabina</i>	2021	BoCCI4 amber-list
NBDC	Common snipe	<i>Gallinago gallinago</i>	2021	BoCCI4 red-list
NBDC	Common starling	<i>Sturnus vulgaris</i>	2021	BoCCI4 amber-list
NBDC	Common swift	<i>Apus apus</i>	2022	BoCCI4 red-list
NBDC	Eurasian woodcock	<i>Scolopax rusticola</i>	2021	BoCCI4 red-list
Fehily Timoney	European golden plover	<i>Pluvialis apricaria</i>	2013	BoCCI4 red-list; Annex 1

Source	Common name	Latin name	Year of record	Conservation status / legal protection
NBDC	European greenfinch	<i>Carduelis chloris</i>	2021	BoCCI4 amber-list
NBDC	Goldcrest	<i>Regulus regulus</i>	2021	BoCCI4 amber-list
Fehily Timoney	Great cormorant	<i>Phalacrocorax carbo</i>	2016	BoCCI4 amber-list
NBDC	Grey wagtail	<i>Motacilla cinereas</i>	2021	BoCCI4 red-list
Fehily Timoney	Hen harrier	<i>Circus cyaneus</i>	2016	BoCCI4 amber-list; Annex 1
NBDC	House martin	<i>Delichon urbicum</i>	2021	BoCCI4 amber-list
NBDC	House sparrow	<i>Passer domesticus</i>	2021	BoCCI4 amber-list
NBDC	Little egret	<i>Egretta garzetta</i>	2016	BoCCI4 green-list; Annex 1
NBDC	Mallard	<i>Anas platyrhynchos</i>	2021	BoCCI4 amber-list
Fehily Timoney	Merlin	<i>Falco columbarius</i>	2015	BoCCI4 amber-list; Annex 1
NBDC	Meadow pipit	<i>Anthus pratensis</i>	2021	BoCCI4 red-list
Fehily Timoney	Northern lapwing	<i>Vanellus vanellus</i>	2016	BoCCI4 red-list
NBDC	Peregrine falcon	<i>Falco peregrinus</i>	2021	BoCCI4 green-list; Annex 1
Fehily Timoney	Red kite	<i>Milvus milvus</i>	2017	BoCCI4 red-list; Annex 1
Fehily timoney	Redshank	<i>Tringa totanus</i>	2017	BoCCI4 red-list

Source	Common name	Latin name	Year of record	Conservation status / legal protection
NBDC	Redwing	<i>Turdus iliacus</i>	2021	BoCCI4 red-list
NBDC	Sand martin	<i>Riparia riparia</i>	2021	BoCCI4 amber-list
NBDC	Skylark	<i>Alauda arevensis</i>	2021	BoCCI4 amber-list
NBDC	Spotted flycatcher	<i>Musicapa striata</i>	2021	BoCCI4 amber-list
Fehily Timoney	Whinchat	<i>Saxicola rubetra</i>	2013	BoCCI4 red-list
NBDC	Willow warbler	<i>Phylloscopus trochilus</i>	2021	BoCCI4 amber-list
NBDC	Yellowhammer	<i>Emberiza citrinella</i>	2020	BoCCI4 red-list

There are records of two Annex 1 listed birds and one red-listed bird for GCR option A as shown in **Table 2-2**.

Table 2-2
Avifauna in 2 km grid square overlapping GCR option A

Source	Common name	Latin name	Year of record	Conservation status / legal protection
NBDC	Little egret	<i>Egretta garzetta</i>	2015	BoCCI4 green-list; Annex 1
NBDC	Peregrine falcon	<i>Falco peregrinus</i>	2021	BoCCI4 green-list; Annex 1
NBDC	Redwing	<i>Turdus iliacus</i>	2021	BoCCI4 red-list

There is a single record of an amber-listed bird for GCR option B as shown in **Table 2-3**.

Table 2-3
Avifauna in 10 km grid square overlapping main wind farm

Source	Common name	Latin name	Year of record	Conservation status / legal protection
NBDC	Barn swallow	<i>Hirundo rustica</i>	2015	BoCCI4 amber-list

3.0 Terrestrial Mammals (Excluding Bats)

Rare, threatened or invasive terrestrial mammals (excluding bats) are shown for the main wind farm below in **Table 3-1**.

Table 3-1
Terrestrial mammals (excluding bats) in 10 km grid square overlapping main wind farm

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Invasiveness
NBDC	Bank vole	<i>Myodes glareolus</i>	2014	Not assessed; none	Non-native; risk of medium impact
NBDC	Eurasian badger	<i>Meles meles</i>	2014	Least concern; Wildlife Act (1976 or Amendment Act, 2000)	Native
NBDC	Eurasian pygmy shrew	<i>Sorex minutus</i>	2012	Least concern; Wildlife Act (1976 or Amendment Act, 2000)	Native
NBDC	Eurasian red squirrel	<i>Sciurus vulgaris</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000)	Native

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Invasiveness
NBDC	European rabbit	<i>Oryctolagus cuniculus</i>	2013	Least concern; none	Non-native; risk of medium impact
NBDC	Feral goat	<i>Capra hircus</i>	2017	Not assessed; none	Non-native; risk of medium impact
NBDC	Greater white-toothed shrew	<i>Crocidura russula</i>	2020	Not assessed; none	Non-native; risk of medium impact
NBDC	Irish hare	<i>Lepus timidus subsp hibernicus</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000)	Native
Fehily Timoney	Irish stoat	<i>Mustela erminea hibernica</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000)	Native
Fehily Timoney	Otter	<i>Lutra lutra</i>	2016	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex II and IV of Habitats Directives	Native
NBDC	Pine marten	<i>Martes martes</i>	2021	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex V of	Native

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Invasiveness
				Habitats Directives	
NBDC	Red fox	<i>Vulpes vulpes</i>	2018	Least concern; none	Established
NBDC	Sika deer	<i>Cervus nippon</i>	2018	Not assessed; none	Non-native; risk of high impact
NBDC	West European hedgehog	<i>Erinaceus europaeus</i>	2016	Least concern; Wildlife Act (1976 or Amendment Act, 2000)	Native
NBDC	Wood mouse	<i>Apodemus sylvaticus</i>	2012	Least concern; none	Non-native

There were no recent records of mammals in GCR option A. There was one record for GCR option B as shown in **Table 3-2**.

Table 3-2
Terrestrial mammals (excluding bats) in 2 km grid square overlapping GCR option 2

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Invasiveness
NBDC	Pine marten	<i>Martes martes</i>	2012	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex V of Habitats Directives	Native

4.0 Bats

There were no recent NBDC records of bats within the main wind farm or along either GCR option. A bat report by Fehily Timoney and Company written in 2018 based on surveys conducted in 2017 showed that eight of the nine regularly occurring Irish bat species were recorded at the main wind farm. These are summarised in **Table 3-2** below.

Table 3-1
Bats in main wind farm as recorded by Fehily Timoney 2017 surveys

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Survey (s) where species detected
Fehily Timoney	Common pipistrelle	<i>Pipistrellus pipistrellus</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Transect surveys, static detector surveys
Fehily Timoney	Soprano pipistrelle	<i>Pipistrellus pygmaeus</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Transect surveys, static detector surveys
Fehily Timoney	Nathusius' pipistrelle	<i>Pipistrellus nathusii</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Transect surveys, static detector surveys

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Survey (s) where species detected
Fehily Timoney	Leisler's bat	<i>Nyctalus leisleri</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Transect surveys, static detector surveys
Fehily Timoney	Brown long-eared bat	<i>Plecotus auritus</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Transect surveys, static detector surveys
Fehily Timoney	Daubentons' bat	<i>Myotis daubentonii</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Static detector surveys
Fehily Timoney	Natterer's bat	<i>Myotis natterii</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex IV of Habitats Directives	Static detector surveys
Fehily Timoney	Whiskered bat	<i>Myotis mystacinus</i>	2017	Least concern; Wildlife Act (1976 or Amendment Act, 2000);	Static detector surveys

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Survey (s) where species detected
				Annex IV of Habitats Directives	

5.0 Other Fauna

Other rare, protected or invasive fauna species not included in the above tables are shown below in **Table 5-1**.

Table 5-1
Other protected fauna in 10 km grid square overlapping main wind farm

Source	Common name	Latin name	Year of record	Conservation status / legal protection	Invasiveness
NBDC	Common frog	<i>Rana temporaria</i>	2020	Least concern; Wildlife Act (1976 or Amendment Act, 2000); Annex V of Habitats Directives	Native
NBDC	New Zealand flatworm	<i>Arthurdendyus triangulatus</i>	2020	None	Invasive
NBDC	Marsh fritillary	<i>Euphydryas aurinia</i>	2021	Vulnerable; Annex II of Habitats Directives	Native
NBDC	Gooden's nomad bee	<i>Nomada goodeniana</i>	2022	Endangered	Native

No rare, threatened or invasive 'other fauna' species records were found for GCR options 1 and 2.

6.0 Fisheries and Aquatic Ecology

No rare, threatened or invasive fish or aquatic species records were within the main wind farm other GCR options.



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