



Appendix 5.7

Desktop Data

Knockanarragh Wind Farm EIAR Volume 3

Knockanarragh Wind Farm Limited

24 November 2023

Desktop records were sourced from the following locations:

- National Biodiversity Data Centre (NBDC); and
- National Parks and Wildlife Service (NPWS) data request.

For the NBDC, data were compiled for the grid squares overlapping the Main Wind Farm site (10 km grid square N66) and Cable Corridor in areas outside the road network (2 km grid square N66P), which also overlapped with the Proposed Substation. For the NPWS data request, the optioned lands shapefile was used to query all hectads that intersected with a 5 km buffer that surrounded the optioned lands.

Data were downloaded from NBDC on 15/08/2023 and a data request from NPWS was received on 29/06/2023.

All records are shown, regardless of age.

1.0 Flora

Rare, threatened and invasive flora are listed below in Table A-1 and Table A-2. There were two records of rare or threatened flora within the Main Wind Farm and Cable Corridor. There were two records of invasive plant species at the Main Wind Farm but none at the Cable Corridor.

Table A-1: Flora in 10 km grid square overlapping Main Wind Farm Site

Source	Common Name	Latin Name	Year of Record	Conservation Status / Legal Protection	Invasiveness
NBDC	Cherry laurel	<i>Prunus laurocerasus</i>	2022	Not assessed	Invasive species – risk of High Impact
NPWS	Marsh saxifrage	<i>Saxifraga hirculus</i>	1930	Annex II and IV of Habitats Directive; Flora Protection Order	Not invasive
NPWS	Round-leaved wintergreen	<i>Pyrola rotundifolia subsp. rotundifolia</i>	1987	Near Threatened	Not invasive
NBDC	Sycamore	<i>Acer pseudoplatanus</i>	2009	Not assessed	Invasive species – risk of Medium Impact

Table A-2: Flora in 2 km grid square overlapping Cable Corridor

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NPWS	Marsh saxifrage	<i>Saxifraga hirculus</i>	1864	Annex II and IV of Habitats Directive; FPO	Not invasive
NPWS	Round-leaved wintergreen	<i>Pyrola rotundifolia</i>	1987	Near Threatened	Not invasive

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
		<i>subsp. rotundifolia</i>			

2.0 Avifauna

All bird species shown below in Table A-3 and A-4 are red- or amber-listed under the Birds of Conservation Concern in Ireland 4 (BoCCI4) scheme and/or are Annex I listed under the EC's Birds Directives. All birds in Ireland are protected under the Wildlife Acts 1976 (as amended).

Table A-3: Avifauna in 10 km grid square overlapping Main Wind Farm Site

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBDC	Barn owl	<i>Tyto alba</i>	2021	Red-list	Not Invasive
NBDC	Barn swallow	<i>Hirundo rustica</i>	2011	Amber-list	Not Invasive
NBDC	Black-headed gull	<i>Chroicocephalus ridibundus</i>	2011	Amber-list	Not Invasive
NBDC	Common coot	<i>Fulica atra</i>	2011	Amber-list	Not Invasive
NBDC	Common kestrel	<i>Falco tinnunculus</i>	2011	Red-list	Not Invasive
NBDC	Common kingfisher	<i>Alcedo atthis</i>	2016	Annex I Birds Directive; Amber-list	Not Invasive
NBDC	Common linnet	<i>Carduelis cannabina</i>	2011	Amber-list	Not Invasive
NBDC	Common snipe	<i>Gallinago gallinago</i>	2023	Red-list	Not Invasive
NBDC	Common starling	<i>Sturnus vulgaris</i>	2011	Amber-list	Not Invasive
NBDC	Common swift	<i>Apus apus</i>	2011	Red-list	Not Invasive
NBDC	Corncrake	<i>Crex crex</i>	1972	Annex I Birds Directive; Red-list	Not Invasive
NBDC	Eurasian curlew	<i>Numenius arquata</i>	2011	Red-list	Not Invasive
NBDC	Eurasian teal	<i>Anas crecca</i>	2011	Amber-list	Not Invasive
NBDC	Eurasian tree sparrow	<i>Passer montanus</i>	2011	Amber-list	Not Invasive
NBDC	Eurasian wigeon	<i>Anas penelope</i>	2011	Amber-list	Not Invasive
NBDC	Great cormorant	<i>Phalacrocorax carbo</i>	2011	Amber-list	Not Invasive
NBDC	Great crested grebe	<i>Podiceps cristatus</i>	2011	Amber-list	Not Invasive
NBDC	House martin	<i>Delichon urbicum</i>	2011	Amber-list	Not Invasive
NBDC	House sparrow	<i>Passer domesticus</i>	2011	Amber-list	Not Invasive

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBDC	Mallard	<i>Anas platyrhynchos</i>	2011	Amber-list	Not Invasive
NBDC	Mute swan	<i>Cygnus olor</i>	2011	Amber-list	Not Invasive
NBDC	Northern lapwing	<i>Vanellus vanellus</i>	2011	Red-list	Not Invasive
NBDC	Peregrine falcon	<i>Falco peregrinus</i>	2011	Annex I Birds Directive; Green-list	Not Invasive
NBDC	Sand martin	<i>Riparia riparia</i>	2011	Amber-list	Not Invasive
NBDC	Skylark	<i>Alauda arvensis</i>	2011	Amber-list	Not Invasive
NBDC	Spotted flycatcher	<i>Musciapa striata</i>	2011	Amber-list	Not Invasive
NBDC	Stock pigeon	<i>Columba oenas</i>	1991	Red-list	Not Invasive
NBDC	Whinchat	<i>Saxicola rubetra</i>	1991	Red-list	Not Invasive
NBDC	Whooper swan	<i>Cygnus cygnus</i>	2011	Annex I Birds Directive; Amber-list	Not Invasive
NBDC	Yellowhammer	<i>Emberiza citrinella</i>	2023	Red-list	Not Invasive

Table A-4: Avifauna in 2km grid square overlapping Cable Corridor

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NPWS	Barn swallow	<i>Hirundo rustica</i>	2010	Amber-list	Not invasive
NPWS	Common kingfisher	<i>Alcedo atthis</i>	2010	Annex I Birds Directive; Amber-list	Not invasive
NPWS	Mallard	<i>Anas platyrhynchos</i>	2010	Amber-list	Not invasive
NPWS	Sand martin	<i>Riparia riparia</i>	2010	Amber-list	Not invasive

3.0 Terrestrial Mammals (Excluding Bats)

Protected and invasive mammal species found within the two sites are listed in tables A-5 and A-6.

Table A-5: Terrestrial mammals in 10 km grid square overlapping Main Wind Farm Site

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBDC	American mink	<i>Mustela vison</i>	1980	Least concern	Invasive species – risk of High Impact; Regulation S.I. 477 (Ireland)
NBDC	Eastern grey squirrel	<i>Sciurus carolinensis</i>	2011	Least concern	Invasive species – risk of High Impact;

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
					Regulation S.I. 477 (Ireland)
NBDC	Eurasian badger	<i>Meles meles</i>	2016	Least concern; Wildlife Acts	Not invasive
NBDC	Eurasian red squirrel	<i>Sciurus vulgaris</i>	2011	Least concern; Wildlife Acts	Not invasive
NBDC	European otter	<i>Lutra lutra</i>	2012	Least concern; Wildlife Acts; Annex II and IV Habitats Directive	Not invasive
NBDC	European rabbit	<i>Oryctolagus cuniculus</i>	2011	Least concern	Invasive species – risk Medium Impact
NBDC	Feral ferret	<i>Mustela furo</i>	2006	Not assessed	Invasive species – risk of High Impact
NBDC	Irish hare	<i>Lepus timidus hibernicus</i>	2015	Least concern; Wildlife Acts	Not invasive
NBDC	Pine marten	<i>Martes martes</i>	2021	Least concern; Wildlife Acts	Not invasive
NBDC	West European hedgehog	<i>Erinaceus europaeus</i>	2022	Least concern; Wildlife Acts	Not Invasive

Table A-6: Terrestrial mammals in 2 km grid square overlapping Cable Corridor

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBCD	Eurasian badger	<i>Meles meles</i>	2014	Wildlife Acts	Not invasive
NPWS	European otter	<i>Lutra lutra</i>	2009	Least concern; Wildlife Acts; Annex II and IV Habitats Directive	Not invasive
NPWS	Irish hare	<i>Lepus timidus hibernicus</i>	2006	Least concern; Wildlife Acts	Not invasive
NPWS	Pine marten	<i>Martes martes</i>	2003	Least concern; Wildlife Acts	Not invasive
NPWS	West European hedgehog	<i>Erinaceus europaeus</i>	1975	Least concern; Wildlife Acts	Not invasive

4.0 Bats

Bat species recorded within both sites are listed in tables A-7 and A-8.

Table A-7: Bat species in 10 km grid square overlapping Main Wind Farm Site

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBDC	Brown long-eared bat	<i>Plecotus auritus</i>	2013	Least concern; Annex IV Habitats Directive	Not Invasive
NBDC	Daubenton's bat	<i>Myotis daubentonii</i>	2013	Least concern; Annex IV Habitats Directive	Not Invasive
NBDC	Leisler's bat	<i>Nyctalus leisleri</i>	2013	Least concern; Annex IV Habitats Directive	Not Invasive
NBDC	Soprano pipistrelle	<i>Pipistrellus pygmaeus</i>	1998	Least concern; Annex IV Habitats Directive	Not Invasive

Table A-8: Bat species in 2 km grid square overlapping Cable Corridor

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBCD	Soprano pipistrelle	<i>Pipistrellus pygmaeus</i>	1998	Least concern; Annex IV Habitats Directive	Not invasive

5.0 Other Terrestrial Fauna

Tables A-9 and A-10 list records of rare, threatened or invasive fauna that don't fit into the above categories, e.g., amphibians, reptiles, invertebrates.

Table A-9: Other terrestrial fauna in 10 km grid square overlapping Main Wind Farm Site

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBCD	Common frog	<i>Rana temporaria</i>	2019	Wildlife Acts	Not invasive
NBCD	Common lizard	<i>Zootoca vivipara</i>	2018	Wildlife Acts	Not invasive
NBCD	New Zealand flatworm	<i>Arthurdendyus triangulatus</i>	2018	Not assessed	Invasive species – risk of High Impact
NPWS	Smooth newt	<i>Lissotriton vulgaris</i>	1979	Wildlife Acts	Not invasive

Table A-10: Other terrestrial fauna in 2 km grid square overlapping Cable Corridor

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NPWS	Common frog	<i>Rana temporaria</i>	2011	Wildlife Acts	Not invasive
NPWS	Smooth newt	<i>Lissotriton vulgaris</i>	1979	Wildlife Acts	Not invasive

6.0 Fisheries and Aquatic Ecology

Rare, threatened or invasive fish or aquatic species are listed in tables A-11 and A-12.

Table A-11: Fish and other aquatic species in 10 km grid square overlapping Main Wind Farm Site

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NBDC	European eel	<i>Anguilla anguilla</i>	2009	Critically endangered	Not invasive
NBDC	White-clawed crayfish	<i>Austropotamobius pallipes</i>	2012	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Protected Species: EU Habitats Directive >> Annex V Protected Species: Wildlife Acts	Not invasive
NBDC	Jenkin's spire snail	<i>Potamopyrgus antipodarum</i>	2018	Least Concern	Invasive species - risk of Medium Impact
NBDC	N/A	<i>Ecdyonurus torrentis</i>	1991	Threatened species: Data deficient	Not invasive

Table A-12: Fish and other aquatic species in 2 km grid square overlapping Cable Corridor

Source	Common Name	Latin Name	Year of Record	Conservation Status/ Legal Protection	Invasiveness
NPWS	White-clawed Crayfish	<i>Austropotamobius pallipes</i>	2009	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Protected Species: EU Habitats Directive >> Annex V Protected Species: Wildlife Acts	

