

Appendix to Chapter 8: Biodiversity

Appendix 8.1: Species Records held by NPWS & NBDC

The data and descriptions in this appendix have informed the cumulative evaluations in the EIA Main Report.

Table of Contents, overleaf

Table of Contents

A8-1 Appendix to Chapter 8: Biodiversity.....	Error! Bookmark not defined.
A8-1.1.1 <i>Relevant 10km Grid Squares for UWF Grid Connection</i>	3

List of Plates & Tables

Plate 1: Relevant 10km Grid Squares for UWF Grid Connection

Table 1: Records of legally protected and rare species, excluding sensitive species, held by the National Parks and Wildlife Service

Table 2: Records of legally protected mammal species held by the National Biodiversity Data Centre

Table 3: Records of legally protected bird species held by the National Biodiversity Data Centre

Table 4 Records of legally protected amphibian species held by the National Biodiversity Data Centre

Table 5 Records of legally protected butterfly species held by the National Biodiversity Data Centre

Table 6 Records of legally protected bryophyte species held by the National Biodiversity Data Centre

Table 7 Records of legally protected crustacean species held by the National Biodiversity Data Centre

Table 8 Records of non-native invasive species held by the National Biodiversity Data Centre

A8-1.1.1 Relevant 10km Grid Squares for UWF Grid Connection

A data request was sent to NPWS GIS division on 01/08/19 for a full inventory of all protected and rare species recorded within pertinent 10km squares overlapping the subject UWF Grid Connection project. This data is presented in Table 1.

The database of the National Biodiversity Data Centre was also consulted to assess the presence of rare plant and faunal species and records of protected species reported within the primary 10km squares. This data is presented in Tables 2 to 8.

Due to the conditions of the data request with regard to the presentation of sensitive data as defined (<https://www.npws.ie/sites/default/files/general/npws-sensitive-species.pdf>), not all records are presented. In addition, the spatial resolution of each record is presented at 10 km scale in line with the condition that “data are provided on the understanding that users will not use the information to the detriment of individual species or habitats, biodiversity or the environment in general.”

Plate 1, illustrates the 10km squares selected for review.

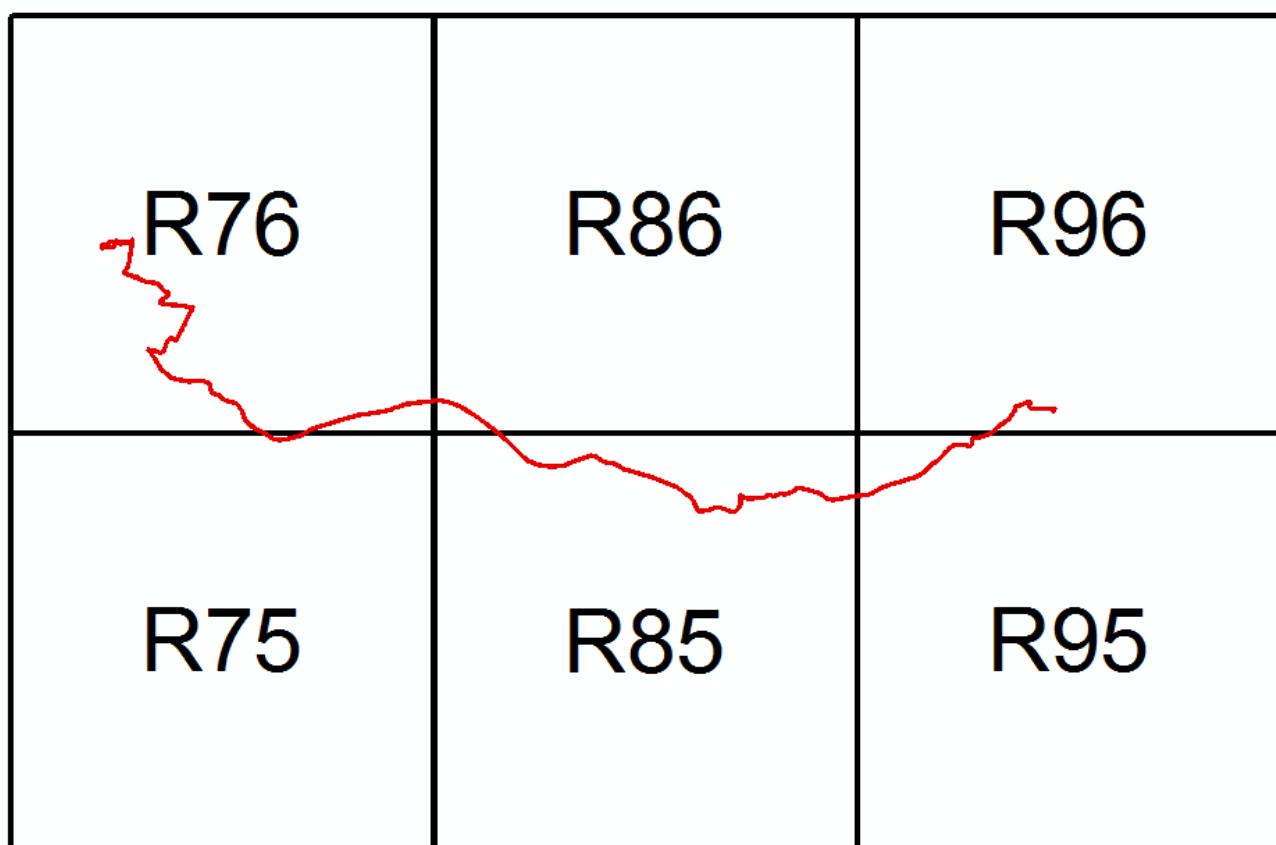


Plate 1: Relevant 10km grid squares for UWF Grid Connection

Other Elements of the Whole UWF Project: It should be noted that all of the Upperchurch Windfarm, all of UWF Related Works and all of UWF Replacement Forestry are located within the R95 and R96 grid squares. The UWF Other Activities are also predominately located within the grid squares associated with the UWF Grid Connection.

Table 1: Records of legally protected and rare species, excluding sensitive species, held by the National Parks and Wildlife Service (received 23/08/2019)

10 km Grid Square	Scientific Name	Common Name	Date of last record
R75	<i>Amblystegium fluviatile</i>	Brook-side Feather-moss	14/06/2005
R75	<i>Austropotamobius pallipes</i>	Freshwater Crayfish	25/09/1996
R75	<i>Cladonia ciliata</i>	Cladonia ciliata	04/11/2003
R75	<i>Cladonia portentosa</i>	Reindeer Moss	04/11/2003
R75	<i>Dama dama</i>	Fallow Deer	2004 - 2005
R75	<i>Erinaceus europaeus</i>	West European Hedgehog	1970
R75	<i>Eurodryas aurinia</i>	Marsh Fritillary	22/09/2010
R75	<i>Lepus timidus</i> subsp. <i>hibernicus</i>	Irish Hare	09/05/1990
R75	<i>Lissotriton vulgaris</i>	Smooth Newt	1974
R75	<i>Lutra lutra</i>	Otter	24/01/2005
R75	<i>Martes martes</i>	Pine Marten	2005 - 2006
R75	<i>Meles meles</i>	Badger	09/05/1990
R75	<i>Mustela erminea</i> subsp. <i>hibernica</i>	Irish Stoat	1970
R75	<i>Rana temporaria</i>	Common Frog	26/02/2011
R75	<i>Sorex minutus</i>	Eurasian Pygmy Shrew	1969
R75	<i>Trichomanes speciosum</i>	Killarney Fern	24/08/2016
R76	<i>Cephaloziella stellulifera</i>	Heath Threadwort	06/05/2008
R76	<i>Dama dama</i>	Fallow Deer	2004 - 2005
R76	<i>Eurodryas aurinia</i>	Marsh Fritillary	19/09/2004
R76	<i>Lampetra fluviatilis</i>	River Lamprey	Unknown
R76	<i>Lepus timidus</i> subsp. <i>hibernicus</i>	Irish Hare	06/04/1990
R76	<i>Lutra lutra</i>	Otter	30/05/1980
R76	<i>Martes martes</i>	Pine Marten	2005 - 2006
R76	<i>Meles meles</i>	Badger	13/02/2007
R76	<i>Mustela erminea</i> subsp. <i>hibernica</i>	Irish Stoat	1969
R76	<i>Petromyzon marinus</i>	Sea Lamprey	Unknown
R76	<i>Rana temporaria</i>	Common Frog	19/02/2006

10 km Grid Square	Scientific Name	Common Name	Date of last record
R76	<i>Sorex minutus</i>	Eurasian Pygmy Shrew	July 1970
R85	<i>Amblystegium fluviatile</i>	Brook-side Feather-moss	28/06/2005
R85	<i>Dama dama</i>	Fallow Deer	2004 - 2005
R85	<i>Entostodon fascicularis</i>	Hasselquist's Hyssop	28/06/2005
R85	<i>Lepus timidus</i> subsp. <i>hibernicus</i>	Irish Hare	15/02/1991
R85	<i>Lutra lutra</i>	Otter	02/09/2010
R85	<i>Martes martes</i>	Pine Marten	2005 - 2006
R85	<i>Meles meles</i>	Badger	15/02/1991
R85	<i>Mustela erminea</i> subsp. <i>hibernica</i>	Irish Stoat	01/06/2005
R85	<i>Philonotis caespitosa</i>	Tufted Apple-moss	28/06/2005
R85	<i>Rana temporaria</i>	Common Frog	03/05/2011
R85	<i>Sciurus vulgaris</i>	Red Squirrel	15/02/1991
R86	<i>Cladonia portentosa</i>	Reindeer Moss	26/08/2003
R86	<i>Dama dama</i>	Fallow Deer	2004 - 2005
R86	<i>Lepus timidus</i> subsp. <i>hibernicus</i>	Irish Hare	24/09/1990
R86	<i>Lutra lutra</i>	Otter	20/09/2010
R86	<i>Meles meles</i>	Badger	24/09/1990
R86	<i>Pseudorchis albida</i>	Small-White Orchid	11/06/2010
R86	<i>Rana temporaria</i>	Common Frog	23/02/2011
R86	<i>Sphagnum subnitens</i>	Lustrous Bog-moss	11/06/2005
R86	<i>Trichomanes speciosum</i>	Killarney Fern	1852
R95	<i>Austropotamobius pallipes</i>	Freshwater Crayfish	07/06/2006
R95	<i>Dama dama</i>	Fallow Deer	2004 - 2005
R95	<i>Lepus timidus</i> subsp. <i>hibernicus</i>	Irish Hare	28/02/1990
R95	<i>Lutra lutra</i>	Otter	20/10/2010
R95	<i>Meles meles</i>	Badger	28/02/1990
R96	<i>Austropotamobius pallipes</i>	Freshwater Crayfish	03/09/2008
R96	<i>Bromus racemosus</i>	Smooth Brome	1969
R96	<i>Cladonia portentosa</i>	Reindeer Moss	Unknown

10 km Grid Square	Scientific Name	Common Name	Date of last record
R96	Dama dama	Fallow Deer	2004 - 2005
R96	Lepus timidus subsp. hibernicus	Irish Hare	08/05/1990
R96	Lutra lutra	Otter	30/08/2010
R96	Meles meles	Badger	08/05/1990
R96	Pseudorchis albida	Small-white Orchid	1965
R96	Rana temporaria	Common Frog	13/04/2006
R96	Sorex minutus	Eurasian Pygmy Shrew	May 1969
R96	Trichomanes speciosum	Killarney Fern	16/04/2009

Table 2: Records of legally protected mammal species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/19)

10 km Grid Square	Scientific name	Common name	Record count	Date of last record	EU HD Annex II	EU HD Annex IV	EU HD Annex V	Wildlife Acts
R75	<i>Myotis daubentonii</i>	Daubenton's Bat	94	26/08/2014		X		X
R75	<i>Meles meles</i>	Eurasian Badger	52	31/12/2015				X
R75	<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	18	12/09/2016				X
R75	<i>Lutra lutra</i>	European Otter	8	17/08/2008	X	X		X
R75	<i>Nyctalus leisleri</i>	Lesser Noctule	8	14/08/2014	X			X
R75	<i>Martes marten</i>	Pine Marten	11	02/08/2017		X		X
R75	<i>Pipistrellus pipistrellus sensu lato</i>	Pipistrelle	3	14/08/2014	X			X
R75	<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	3	14/08/2014		X		X
R76	<i>Lutra lutra</i>	European Otter	5	30/05/1980	X	X		X
R76	<i>Martes marten</i>	Pine Marten	18	28/09/2017		X		X
R76	<i>Meles meles</i>	Eurasian Badger	72	17/02/2011				X
R76	<i>Myotis daubentonii</i>	Daubenton's Bat	26	23/08/2014	X			X
R76	<i>Nyctalus leisleri</i>	Lesser Noctule	1	09/10/2009	X			X
R76	<i>Pipistrellus pipistrellus sensu lato</i>	Pipistrelle	2	09/10/2009	X			X
R76	<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	3	09/10/2009	X			X
R76	<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	6	29/12/2015				X
R76	<i>Sorex minutus</i>	Eurasian Pygmy Shrew	1	31/07/1970				X
R85	<i>Myotis daubentonii</i>	Daubenton's Bat	5	20/08/2014	X			X
R85	<i>Meles meles</i>	Eurasian Badger	53	31/12/2012				X
R85	<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	9	06/09/2017				X
R85	<i>Lutra lutra</i>	European Otter	10	02/09/2010	X	X		X
R85	<i>Martes marten</i>	Pine Marten	3	31/12/2011		X		X
R85	<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	1	23/09/2008	X			X
R86	<i>Lutra lutra</i>	European Otter	8	20/09/2010	X	X		X
R86	<i>Myotis daubentonii</i>	Daubenton's Bat	23	28/08/2009	X			X
R86	<i>Myotis nattereri</i>	Natterer's Bat	1	28/10/2011	X			X

10 km Grid Square	Scientific name	Common name	Record count	Date of last record	EU HD Annex II	EU HD Annex IV	EU HD Annex V	Wildlife Acts
R86	<i>Nyctalus leisleri</i>	Lesser Noctule	1	28/06/2008	X	X	X	X
R86	<i>Pipistrellus pipistrellus</i> <i>sensu lato</i>	Pipistrelle	1	28/06/2008	X	X	X	X
R86	<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	1	28/06/2008	X	X	X	X
R86	<i>Martes marta</i> s	Pine Marten	5	21/05/2014		X	X	X
R86	<i>Cervus elaphus</i>	Red Deer	1	31/12/2008				X
R86	<i>Meles meles</i>	Eurasian Badger	51	19/03/2009			X	X
R86	<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	2	12/04/2011				X
R95	<i>Lutra lutra</i>	European Otter	8	20/08/2012	X	X	X	X
R95	<i>Martes marta</i> s	Pine Marten	2	17/07/2009		X	X	X
R95	<i>Meles meles</i>	Eurasian Badger	75	19/05/2009				X
R95	<i>Myotis daubentonii</i>	Daubenton's Bat	1	08/08/2009	X	X	X	X
R95	<i>Nyctalus leisleri</i>	Lesser Noctule	1	08/08/2009	X	X	X	X
R95	<i>Pipistrellus pipistrellus</i> <i>sensu lato</i>	Pipistrelle	1	08/08/2009	X	X	X	X
R95	<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	2	08/08/2009	X	X	X	X
R95	<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	2	03/04/2015				X
R96	<i>Lutra lutra</i>	European Otter	6	30/08/2010	X	X	X	X
R96	<i>Myotis daubentonii</i>	Daubenton's Bat	1	08/08/2009	X	X	X	X
R96	<i>Nyctalus leisleri</i>	Lesser Noctule	1	08/08/2009	X	X	X	X
R96	<i>Pipistrellus pipistrellus</i> <i>sensu lato</i>	Pipistrelle	2	08/08/2009	X	X	X	X
R96	<i>Pipistrellus pygmaeus</i>	Soprano Pipistrelle	2	08/08/2009	X	X	X	X
R96	<i>Plecotus auritus</i>	Brown Long-eared Bat	1	08/08/2009	X	X	X	X
R96	<i>Martes marta</i> s	Pine Marten	4	28/05/2014		X	X	X
R96	<i>Erinaceus europaeus</i>	West European Hedgehog	1	12/08/2012				X
R96	<i>Meles meles</i>	Eurasian Badger	67	16/09/2008				X
R96	<i>Sciurus vulgaris</i>	Eurasian Red Squirrel	3	03/06/2015				X

Table 3: Records of legally protected bird species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/2019)

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R75	<i>Tyto alba</i>	Barn Owl	2	31/12/2011				X
R75	<i>Hirundo rustica</i>	Barn Swallow	13	31/12/2011				X
R75	<i>Larus ridibundus</i>	Black-headed Gull	2	29/02/1984				X
R75	<i>Fulica atra</i>	Common Coot	8	31/12/2011	X	X	X	X
R75	<i>Locustella naevia</i>	Common Grasshopper Warbler	5	31/12/2011				X
R75	<i>Falco tinnunculus</i>	Common Kestrel	15	05/10/2015				X
R75	<i>Alcedo atthis</i>	Common Kingfisher	3	31/07/1991	X			X
R75	<i>Carduelis cannabina</i>	Common Linnet	6	31/12/2011	X	X	X	X
R75	<i>Phasianus colchicus</i>	Common Pheasant	12	31/12/2011				X
R75	<i>Aythya ferina</i>	Common Pochard	1	29/02/1984	X	X	X	X
R75	<i>Gallinago gallinago</i>	Common Snipe	5	31/12/2011	X	X	X	X
R75	<i>Sturnus vulgaris</i>	Common Starling	16	31/12/2011				X
R75	<i>Apus apus</i>	Common Swift	5	31/12/2011				X
R75	<i>Columba palumbus</i>	Common Woodpigeon	18	31/21/2011	X			X
R75	<i>Crex crex</i>	Corn Crake	1	31/07/1972	X			X
R75	<i>Numenius arquata</i>	Eurasian Curlew	4	31/21/2011	X			X
R75	<i>Anas crecca</i>	Eurasian Teal	3	31/12/2011	X	X	X	X
R75	<i>Scolopax rusticola</i>	Eurasian Woodcock	6	31/12/2011	X	X	X	X
R75	<i>Pluvialis apricaria</i>	European Golden Plover	2	31/12/2011	X	X	X	X
R75	<i>Caprimulgus europaeus</i>	European Nightjar	1	31/07/1972	X			X
R75	<i>Phalacrocorax carbo</i>	Great Cormorant	3	31/12/2011				X
R75	<i>Anser anser</i>	Greylag Goose	4	31/21/2011	X	X	X	X
R75	<i>Circus cyaneus</i>	Hen Harrier	7	31/12/2011	X			X
R75	<i>Larus argentatus</i>	Herring Gull	2	31/07/1991				X
R75	<i>Delichon urbicum</i>	House Martin	5	31/12/2011				X
R75	<i>Passer domesticus</i>	House Sparrow	13	31/12/2011				X
R75	<i>Egretta garzetta</i>	Little Egret	2	31/12/2011	X			X

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R75	<i>Tachybaptus ruficollis</i>	Little Grebe	6	31/12/2011				X
R75	<i>Anas platyrhynchos</i>	Mallard	10	31/12/2011	X	X		X
R75	<i>Falco columbarius</i>	Merlin	5	31/12/2011	X			X
R75	<i>Cygnus olor</i>	Mute Swan	9	31/12/2011				X
R75	<i>Vanellus vanellus</i>	Northern Lapwing	4	31/12/2011	X			X
R75	<i>Oenanthe oenanthe</i>	Northern Wheatear	2	31/07/1991				X
R75	<i>Falco peregrinus</i>	Peregrine falcon	5	31/12/2011	X			X
R75	<i>Lagopus lagopus</i>	Red Grouse	4	31/12/2011	X	X		X
R75	<i>Riparia riparia</i>	Sand Martin	6	31/12/2011				X
R75	<i>Delichon urbicum</i>	House Martin	7	31/12/2011				X
R75	<i>Muscicapa striata</i>	Spotted Flycatcher	6	31/12/2011				X
R75	<i>Columba oenas</i>	Stock Pigeon	1	31/07/1972				X
R75	<i>Aythya fuligula</i>	Tufted Duck	2	31/07/1991	X	X		X
R75	<i>Rallus aquaticus</i>	Water Rail	1	31/07/1972				X
R75	<i>Emberiza citrinella</i>	Yellowhammer	1	31/07/1972				X
R76	<i>Alauda arvensis</i>	Skylark	11	19/04/2014				X
R76	<i>Alcedo atthis</i>	Kingfisher	7	31/12/2011	X			X
R76	<i>Anas platyrhynchos</i>	Mallard	16	31/12/2011	X	X		X
R76	<i>Anser anser</i>	Greylag Goose	6	31/12/2011	X	X		X
R76	<i>Apus apus</i>	Swift	1	31/07/1972				X
R76	<i>Linaria cannabina</i>	Linnet	8	31/12/2011				X
R76	<i>Circus cyaneus</i>	Hen Harrier	8	31/12/2011	X			X
R76	<i>Columba oenas</i>	Stock Dove	1	31/07/1972				X
R76	<i>Columba palumbus</i>	Woodpigeon	32	31/12/2011	X	X		X
R76	<i>Crex crex</i>	Cormorant	2	31/07/1991	X			X
R76	<i>Cygnus olor</i>	Mute Swan	2	31/12/2011				X
R76	<i>Delichon urbicum</i>	House Martin	7	31/12/2011				X
R76	<i>Emberiza citrinella</i>	Yellowhammer	1	31/07/1972				X

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R76	<i>Falco columbarius</i>	Merlin	1	07/01/2014	X			X
R76	<i>Falco tinnunculus</i>	Kestrel	14	31/12/2011				X
R76	<i>Gallinago gallinago</i>	Snipe	9	31/12/2011	X	X		X
R76	<i>Hirundo rustica</i>	Swallow	17	31/12/2011				X
R76	<i>Lagopus lagopus</i>	Red Grouse	5	31/12/2011	X	X		X
R76	<i>Larus canus</i>	Common Gull	2	31/12/2011				X
R76	<i>Larus ridibundus</i>	Black-headed Gull	7	31/12/2011				X
R76	<i>Locustella naevia</i>	Grasshopper Warbler	6	31/12/2011				X
R76	<i>Muscicapa striata</i>	Spotted Flycatcher	11	31/12/2011				X
R76	<i>Numenius arquata</i>	Curlew	7	31/12/2011	X			X
R76	<i>Passer domesticus</i>	House Sparrow	20	31/12/2011				X
R76	<i>Phalacrocorax carbo</i>	Cormorant	3	31/12/2011				X
R76	<i>Phasianus colchicus</i>	Pheasant	16	31/12/2011	X	X		X
R76	<i>Pluvialis apricaria</i>	Golden Plover	2	31/12/2011	X	X		X
R76	<i>Riparia riparia</i>	Sand Martin	5	31/12/2011				X
R76	<i>Scolopax rusticola</i>	Woodcock	1	31/07/1972	X			X
R76	<i>Sturnus vulgaris</i>	Starling	24	31/12/2011				X
R76	<i>Tyto alba</i>	Barn Owl	2	31/12/2011				X
R76	<i>Vanellus vanellus</i>	Lapwing	3	31/12/2011	X			X
R85	<i>Tyto alba</i>	Barn Owl	1	31/07/1972				X
R85	<i>Hirundo rustica</i>	Barn Swallow	21	28/05/2016				X
R85	<i>Fulica atra</i>	Common Coot	3	31/12/2011	X	X		X
R85	<i>Locustella naevia</i>	Common Grasshopper Warbler	5	31/12/2011				X
R85	<i>Falco tinnunculus</i>	Common Kestrel	17	31/08/2016				X
R85	<i>Alcedo atthis</i>	Common Kingfisher	1	31/07/1972	X			X
R85	<i>Carduelis cannabina</i>	Common Linnet	8	31/12/2011				X
R85	<i>Phasianus colchicus</i>	Common Pheasant	20	31/12/2011	X	X		X
R85	<i>Actitis hypoleucos</i>	Common Sandpiper	1	31/07/1972				X

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R85	<i>Gallinago gallingo</i>	Common Snipe	9	31/12/2011	X	X	X	X
R85	<i>Sturnus vulgaris</i>	Common Starling	23	28/05/2016				X
R85	<i>Apus apus</i>	Common Swift	4	31/07/1991				X
R85	<i>Columba palumbus</i>	Common Wood Pigeon	30	29/12/2014	X	X		X
R85	<i>Crex crex</i>	Corn Crake	1	31/07/1972	X			X
R85	<i>Numenius arquata</i>	Eurasian Curlew	5	31/07/1991	X			X
R85	<i>Anas crecca</i>	Eurasian Teal	1	31/07/1972	X	X		X
R85	<i>Scolopax rusticola</i>	Eurasian Woodcock	3	31/12/2011	X	X		X
R85	<i>Pluvialis apricaria</i>	European Golden Plover	2	31/12/2011	X	X		X
R85	<i>Circus cyaneus</i>	Hen Harrier	4	31/12/2011	X			X
R85	<i>Delichon urbicum</i>	House Martin	9	28/05/2016				X
R85	<i>Passer domesticus</i>	House Sparrow	16	29/12/2014				X
R85	<i>Tachybaptus ruficolus</i>	Little Grebe	2	31/12/2011				X
R85	<i>Anas platyrhynchos</i>	Mallard	1	31/07/1972	X	X		X
R85	<i>Falco columbarius</i>	Merlin	1	31/07/1972	X			X
R85	<i>Vanellus vanellus</i>	Northern Lapwing	4	31/12/2011	X			X
R85	<i>Oenanthe oenanthe</i>	Northern Wheatear	1	31/07/1972				X
R85	<i>Lagopus lagopus</i>	Red Grouse	6	31/12/2011	X	X		X
R85	<i>Riparia riparia</i>	Sand Martin	12	08/05/2014				X
R85	<i>Alauda arvensis</i>	Skylark	9	31/12/2011				X
R85	<i>Muscicapa striata</i>	Spotted Flycatcher	6	31/07/1991				X
R85	<i>Columba oenas</i>	Stock Pigeon	1	31/07/1972				X
R85	<i>Emberiza citrinella</i>	Yellowhammer	1	31/07/1972				X
R86	<i>Falco peregrinus</i>	Peregrine	3	31/12/2011	X			X
R86	<i>Circus cyaneus</i>	Hen Harrier	5	31/12/2011	X			X
R86	<i>Falco columbarius</i>	Merlin	4	31/12/2011	X			X
R86	<i>Anas platyrhynchos</i>	Mallard	3	31/12/2011	X	X		X
R86	<i>Columba palumbus</i>	Woodpigeon	14	31/12/2011	X	X		X

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R86	<i>Phasianus colchicus</i>	Pheasant	11	31/12/2011	X	X	X	X
R86	<i>Lagopus lagopus</i>	Red Grouse	8	07/01/2016	X	X	X	X
R86	<i>Anas crecca</i>	Teal	1	31/07/1972	X	X	X	X
R86	<i>Lymnocryptes minimus</i>	Jack Snipe	2	31/12/2011				
R86	<i>Gallinago gallinago</i>	Snipe	11	17/10/2017	X	X	X	X
R86	<i>Scolopax rusticola</i>	Woodcock	3	31/07/1991	X	X	X	X
R86	<i>Numenius arquata</i>	Curlew	5	31/12/2011				
R86	<i>Alauda arvensis</i>	Skylark	11	31/12/2011				X
R86	<i>Linaria cannabina</i>	Linnet	9	31/12/2011				X
R86	<i>Delichon urbicum</i>	House Martin	6	31/07/1991				X
R86	<i>Falco tinnunculus</i>	Kestrel	11	31/12/2011				X
R86	<i>Hirundo rustica</i>	Swallow	9	31/12/2011				X
R86	<i>Locustella naevia</i>	Grasshopper Warbler	2	31/12/2011				X
R86	<i>Muscicapa striata</i>	Spotted Flycatcher	4	31/12/2011				X
R86	<i>Passer domesticus</i>	House Sparrow	14	31/12/2011				X
R86	<i>Riparia riparia</i>	Sand Martin	1	31/12/2011				X
R86	<i>Sturnus vulgaris</i>	Starling	14	31/12/2011				X
R86	<i>Emberiza citrinella</i>	Yellowhammer	4	31/07/1991				X
R95	<i>Alauda arvensis</i>	Skylark	6	31/12/2011				X
R95	<i>Alcedo atthis</i>	Kingfisher	1	31/07/1972	X			X
R95	<i>Anas platyrhynchos</i>	Mallard	7	31/12/2011	X			X
R95	<i>Apus apus</i>	Swift	7	31/07/1991				X
R95	<i>Linaria cannabina</i>	Linnet	11	31/12/2011				X
R95	<i>Circus cyaneus</i>	Hen Harrier	7	31/12/2011	X			X
R95	<i>Columba oenas</i>	Stock Dove	3	31/07/1991				X
R95	<i>Columba palumbus</i>	Woodpigeon	17	31/12/2011	X			X
R95	<i>Crex crex</i>	Cormorant	1	31/07/1972	X			X
R95	<i>Delichon urbicum</i>	House Martin	7	31/12/2011				X

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R95	<i>Emberiza citrinella</i>	Yellowhammer	1	31/07/1972				X
R95	<i>Falco peregrinus</i>	Peregrine	1	28/07/2012				X
R95	<i>Falco tinnunculus</i>	Kestrel	8	31/12/2011				X
R95	<i>Gallinago gallinago</i>	Snipe	7	31/12/2011		X		X
R95	<i>Hirundo rustica</i>	Swallow	13	31/12/2011				X
R95	<i>Lagopus lagopus</i>	Red Grouse	1	31/07/1972		X		X
R95	<i>Larus argentatus</i>	Herring Gull	2	31/07/1991				X
R95	<i>Larus ridibundus</i>	Black-headed Gull	1	31/12/2011				X
R95	<i>Locustella naevia</i>	Grasshopper Warbler	1	31/07/1972				X
R95	<i>Muscicapa striata</i>	Spotted Flycatcher	5	31/12/2011				X
R95	<i>Numenius arquata</i>	Curlew	1	31/07/1972		X		X
R95	<i>Passer domesticus</i>	House Sparrow	7	31/12/2011				X
R95	<i>Phasianus colchicus</i>	Pheasant	13	31/12/2011		X		X
R95	<i>Riparia riparia</i>	Sand Martin	3	31/07/1991				X
R95	<i>Scolopax rusticola</i>	Woodcock	1	31/07/1972		X		X
R95	<i>Sturnus vulgaris</i>	Starling	11	31/12/2011				X
R95	<i>Vanellus vanellus</i>	Lapwing	2	31/07/1991		X		X
R96	<i>Alcedo atthis</i>	Kingfisher	2	31/07/1991		X		X
R96	<i>Circus cyaneus</i>	Hen Harrier	11	18/04/2015		X		X
R96	<i>Falco columbarius</i>	Merlin	2	31/07/1991		X		X
R96	<i>Crex crex</i>	Cormorake	1	31/07/1972		X		X
R96	<i>Columba livia</i>	Rock Dove	4	31/12/2011		X		X
R96	<i>Anas platyrhynchos</i>	Mallard	3	31/07/1991		X		X
R96	<i>Columba palumbus</i>	Woodpigeon	24	31/12/2011		X		X
R96	<i>Phasianus colchicus</i>	Pheasant	14	31/12/2011		X		X
R96	<i>Lagopus lagopus</i>	Red Grouse	4	31/07/1991		X		X
R96	<i>Fulica atra</i>	Coot	1	31/07/1972		X		X
R96	<i>Gallinago gallinago</i>	Snipe	10	18/10/2017		X		X

Grid square	Scientific name	Common name	Record count	Date of last record	EU BD Annex I	EU BD Annex II	EU BD Annex III	Wildlife Acts
R96	<i>Numenius arquata</i>	Curlew	7	31/12/2011		X		X
R96	<i>Vanellus vanellus</i>	Lapwing	2	31/07/1991		X		X
R96	<i>Alauda arvensis</i>	Skylark	13	31/12/2011				X
R96	<i>Linaria cannabina</i>	Linnet	15	31/12/2011				X
R96	<i>Columba oenas</i>	Stock Dove	1	31/07/1972				X
R96	<i>Delichon urbicum</i>	House Martin	12	31/12/2011				X
R96	<i>Falco tinnunculus</i>	Kestrel	14	31/12/2011				X
R96	<i>Hirundo rustica</i>	Swallow	17	31/12/2011				X
R96	<i>Larus canus</i>	Common Gull	3	31/07/1991				X
R96	<i>Locustella naevia</i>	Grasshopper Warbler	3	31/12/2011				X
R96	<i>Musciapa striata</i>	Spotted Flycatcher	5	31/12/2011				X
R96	<i>Oenanthe oenanthe</i>	Wheatear	2	31/07/1991				X
R96	<i>Passer domesticus</i>	House Sparrow	22	31/12/2011				X
R96	<i>Riparia riparia</i>	Sand Martin	3	31/12/2011				X
R96	<i>Sturnus vulgaris</i>	Starling	19	31/12/2011				X
R96	<i>Tachybaptus ruficollis</i>	Little Grebe	1	31/07/1972				X
R96	<i>Emberiza citrinella</i>	Yellowhammer	3	31/07/1991				X
R96	<i>Larus argentatus</i>	Herring Gull	2	31/12/2011				X
R96	<i>Larus ridibundus</i>	Black-headed Gull	8	31/12/2011				X

Table 4: Records of legally protected amphibian species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/2019)

Grid square	Scientific name	Common name	Record count	Date of last record	EU HD Annex V	Wildlife Acts
R75	<i>Rana temporaria</i>	Common Frog	9	15/03/2003	X	X
R75	<i>Lissotriton vulgaris</i>	Smooth Newt	1	31/12/1974		X
R76	<i>Rana temporaria</i>	Common Frog	9	19/02/2006	X	X
R85	<i>Rana temporaria</i>	Common Frog	2	07/02/2006	X	X
R86	<i>Rana temporaria</i>	Common Frog	2	21/02/2018	X	X
R96	<i>Rana temporaria</i>	Common Frog	12	01/05/2006	X	X

Table 5: Records of legally protected butterfly species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/19)

Grid square	Scientific name	Common name	Record count	Date of last record	ED HD Annex II
R75	<i>Euphydryas aurina</i>	Marsh Fritillary	10	06/06/2018	X
R76	<i>Euphydryas aurina</i>	Marsh Fritillary	6	31/12/1984	X
R85	<i>Euphydryas aurina</i>	Marsh Fritillary	6	31/12/2010	X
R86	<i>Euphydryas aurina</i>	Marsh Fritillary	1	31/12/2010	X
R95	<i>Euphydryas aurina</i>	Marsh Fritillary	7	31/12/2010	X

Table 6: Records of legally protected bryophyte species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/19)

Grid square	Scientific name	Common name	Record count	Date of last record	EU HD Annex IV
R75	<i>Leucobryum glaucum</i>	Large White-moss	2	14/06/2005	X
R85	<i>Leucobryum glaucum</i>	Large White-moss	1	06/02/2011	X
R86	<i>Leucobryum glaucum</i>	Large White-moss	1	21/08/1979	X

Table 7: Records of legally protected crustacean species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/19)

Grid square	Scientific name	Common name	Record count	Date of last record	EU HD Annex II	Wildlife Acts
R75	<i>Austropotamobius pallipes</i>	Freshwater White-clawed Crayfish	1	22/09/2015	X	X
R95	<i>Austropotamobius pallipes</i>	Freshwater White-clawed Crayfish	6	07/06/2006	X	X
R96	<i>Austropotamobius pallipes</i>	Freshwater White-clawed Crayfish	8	03/09/2008	X	X

Table 8: Records of non-native invasive species held by the National Biodiversity Data Centre (www.biodiversityireland.ie, 30/07/19)

Grid square	Species group	Scientific name	Common name	Record count	Date of last record	Medium Impact	High Impact	Wildlife Acts
R75	Flowering plant	<i>Acer pseudoplatanus</i>	Sycamore	5	23/09/2008	X		
R75	Flowering plant	<i>Heracleum mantegazzianum</i>	Giant Hogweed	2	07/02/2017	X		
R75	Terrestrial mammal	<i>Cervus nippon</i>	Sika Deer	1	24/10/2015	X	X	
R75	Terrestrial mammal	<i>Dama dama</i>	Fallow Deer	2	31/12/2008	X	X	
R75	Terrestrial mammal	<i>Mustela vison</i>	American Mink	1	18/08/2014	X		
R75	Terrestrial mammal	<i>Myodes glareolus</i>	Bank Vole	4	24/08/2012	X		
R75	Terrestrial mammal	<i>Oryctolagus cuniculus</i>	European Rabbit	1	09/05/1990	X		
R75	Terrestrial mammal	<i>Sciurus carolinensis</i>	Eastern Grey Squirrel	3	31/12/2012	X		
R75	Flowering plant	<i>Fallopia japonica</i>	Japanese Knotweed	18	24/09/2018	X		
R75	Conifer	<i>Pseudotsuga menziesii</i>	Douglas Fir	1	16/05/2007	X		
R76	Flowering plant	<i>Acer pseudoplatanus</i>	Sycamore	1	21/10/2008	X		
R76	Flowering plant	<i>Gunniera tinctoria</i>	Giant-rhubarb	1	17/09/2008	X		
R76	Flowering plant	<i>Heracleum mantegazzianum</i>	Giant Hogweed	5	19/07/2016	X		
R76	Terrestrial mammal	<i>Cervus nippon</i>	Sika Deer	1	12/01/2009	X	X	
R76	Terrestrial mammal	<i>Dama dama</i>	Fallow Deer	6	30/04/2009		X	
R76	Terrestrial mammal	<i>Mustela vison</i>	American Mink	1	01/06/2015	X		
R76	Terrestrial mammal	<i>Myodes glareolus</i>	Bank Vole	2	17/11/2010	X		
R76	Terrestrial mammal	<i>Oryctolagus cuniculus</i>	European Rabbit	1	06/04/1990	X		
R76	Terrestrial mammal	<i>Sciurus carolinensis</i>	Eastern Grey Squirrel	1	31/12/2001	X		

Grid square	Species group	Scientific name	Common name	Record count	Date of last record	Medium Impact	High Impact	Wildlife Acts
R85	Flowering plant	<i>Acer pseudoplatanus</i>	Sycamore	4	11/01/2018	X		
R85	Flowering plant	<i>Fallopia japonica</i>	Japanese Knotweed	11	04/01/2019	X		
R85	Flowering plant	<i>Persicaria wallichii</i>	Himalayan Knotweed	1	19/07/2016	X		
R85	Terrestrial mammal	<i>Dama dama</i>	Fallow Deer	3	31/12/2008	X		
R85	Terrestrial mammal	<i>Mustela vison</i>	American Mink	1	15/02/1991	X		
R85	Terrestrial mammal	<i>Sciurus carolinensis</i>	Eastern Grey Squirrel	3	31/12/2011	X		
R85	Terrestrial mammal	<i>Oryctolagus cuniculus</i>	European Rabbit	3	23/05/2015	X		
R85	Terrestrial mammal	<i>Myodes glareolus</i>	Bank Vole	1	05/11/2010	X		
R86	Flowering plant	<i>Fallopia japonica</i>	Japanese Knotweed	3	17/10/2017	X		
R86	Flowering plant	<i>Heracleum mantegazzianum</i>	Giant Hogweed	1	18/09/2008	X		
R86	Flowering plant	<i>Impatiens glandulifera</i>	Indian Balsam	1	17/09/2008	X		
R86	Terrestrial mammal	<i>Sciurus carolinensis</i>	Eastern Grey Squirrel	1	31/12/2001	X		
R86	Terrestrial mammal	<i>Dama dama</i>	Fallow Deer	11	28/11/2011	X	X	
R86	Terrestrial mammal	<i>Oryctolagus cuniculus</i>	European Rabbit	1	24/09/1990	X		
R95	Conifer	<i>Pseudotsuga menziesii</i>	Douglas Fir	1	04/09/2007	X		
R95	Flowering plant	<i>Acer pseudoplatanus</i>	Sycamore	2	24/09/2007	X		
R95	Flowering plant	<i>Fallopia japonica</i>	Japanese Knotweed	2	22/04/2010	X		
R95	Flowering plant	<i>Heracleum mantegazzianum</i>	Giant Hogweed	1	04/09/2007	X		
R95	Flowering plant	<i>Leycesteria formosa</i>	Himalayan Honeysuckle	1	04/09/2007	X		
R95	Flowering plant	<i>Prunus laurocerasus</i>	Cherry Laurel	1	24/09/2007	X		

Grid square	Species group	Scientific name	Common name	Record count	Date of last record	Medium Impact	High Impact	Wildlife Acts
R95	Flowering plant	<i>Quercus rubra</i>	Red Oak	1	04/09/2007	X		
R95	Mollusc	<i>Cornu aspersum</i>	Common Snail	1	19/07/1971	X		
R95	Terrestrial mammal	<i>Crocidura russula</i>	Greater White-toothed Shrew	3	24/08/2012	X		
R95	Terrestrial mammal	<i>Dama dama</i>	Fallow Deer	2	31/12/2008	X		
R95	Terrestrial mammal	<i>Myodes glareolus</i>	Bank Vole	1	24/08/2012	X		
R95	Terrestrial mammal	<i>Oryctolagus cuniculus</i>	European Rabbit	1	28/02/1990	X		
R96	Flowering plant	<i>Acer pseudoplatanus</i>	Sycamore	4	22/09/2008	X		
R96	Mollusc	<i>Cornu aspersum</i>	Common Snail	3	19/09/1977	X		
R96	Mollusc	<i>Potamopyrgus antipodarum</i>	Jenkins' Spire Snail	1	19/09/1977	X		
R96	Mollusc	<i>Tandonia sowerbyi</i>	Keeled Slug	1	19/09/1977	X		
R96	Terrestrial mammal	<i>Cervus nippon</i>	Sika Deer	1	11/09/2013	X	X	
R96	Terrestrial mammal	<i>Dama dama</i>	Fallow Deer	2	25/10/2011	X	X	
R96	Terrestrial mammal	<i>Crocidura russula</i>	Greater White-toothed Shrew	1	14/11/2010	X		
R96	Terrestrial mammal	<i>Myodes glareolus</i>	Bank Vole	1	14/11/2010	X		
R96	Terrestrial mammal	<i>Oryctolagus cuniculus</i>	European Rabbit	2	20/05/2017	X		

