

Appendix I

List of Consulting Organisations

A

Abbeyleix Bog
Community Group

An Taisce

B

Ballydangan Red
Grouse Project

Barrow Trust

Bat Conservation
Ireland

BCI: Butterfly
Conservation Ireland

Bord na Móna: internal

BSBI: Botanical Society
of the British Isles

Burren Beo Trust

BWL: BirdWatch Ireland

C

CELT

CIEEM:
Chartered Institute
of Ecology and
Environmental
Management

Coillte:
Irish Forest company,
semi-state company

Consultant Ecologists

Consultants:
EACS, Earthy Matters,
McCarthy Keville
O'Sullivan, RPS, Tobins
and others.

Countryside Alliance

Crossmolina
Community Group

D

Dublin City Council

Dublin Naturalist's
Field Club

E

EPA:
Environmental
Protection Agency

EU DG Environment

UN FAO

F

Forest Service

G

GET:
Golden Eagle Trust

Girley Bog Group

Government
Departments:
Agriculture, Arts
Heritage and Gaeltacht,
Social Protection

H

Heritage Council: Local
Heritage Officers

I

IFNC:
Irish Natural
Capital Forum

Inland Fisheries Ireland

IMCG:
International Mire
Conservation Group

IPCC:
Irish Peatland
Conservation Council

IPS:
International Peat
Society

Irish Grey Partridge
Conservation Trust

Irish Red Grouse
Association

Irish Rural Link

IUCN

IWT:
Irish Wildlife Trust

IT:
GMIT, Limerick, Sligo,
Waterford

K

Kildare Regional
Gun Club

Kilteevan
Community Council

L

Lanesborough
Community

Local authorities
(Councilors & Planners)

Lullymore Heritage
and Discovery Park

M

Meath Westmeath
Bog Group

Moore Gun Club

Mote Park
Conservation Group

N

NARGC:
National and Regional
Gun Club

National Universities
of Ireland: DCU, UCC,
UCD, UCG, TCD,
Maynooth

NBDC:
National Biodiversity
Data Centre

NBG:
National Botanic
Gardens

Newtowncashel
Community Group

North Midlands
Wilderness Park

NPBR:
Irish National Platform
for Biodiversity Research

NPWS:
National Parks and
Wildlife Service (Regional
and Scientific staff)

Q

Queens University
Belfast

T

Taghmaconnell
Community Group

Teagasc

V

Vincent Wildlife Trust

W

WHI:
Wetlands
Heritage Ireland

Wetlands International

Wetlands
Survey Ireland

WI:
Waterways Ireland

Woodlands of Ireland

Others:

Monica de Bath
Artist

David Bellamy
Environmentalist

Michael Casey
Sculptor

John Feehan
*Author and
Environmentalist*

Dick Warner
*Journalist and
Environmentalist*

Paddy Woodworth
Author and Journalist

Appendix II

An Overview of the Bord na Móna Habitat Classification

General Pioneer Community	Pioneer Community	BnM Habitat Code	Nearest Phytosociological Syntaxa	Fossitt 2000 Classification	
	Bare peat (0-50% cover)	BP		Spoil and bare ground	ED2
Embryonic bog	Pioneer <i>Eriophorum angustifolium</i> community (acidic) *	PBa	Oxycocco-Sphagnetea	Bog	PB
	<i>Sphagnum cuspidatum</i> - <i>Eriophorum angustifolium</i> community*	PBb	Oxycocco-Sphagnetea	Bog	PB
	Embryonic bog community (somewhat more diverse and developed) *	PBc	Calluno-Sphagnion	Bog	PB
Poor fen	Pioneer <i>Campylopus</i> dominated community	pCamp	Caricion curto-nigrae	Poor fen	PF2
	Pioneer <i>Juncus effusus</i> community	pJeff	Caricion curto-nigrae	Poor fen	PF2
	Pioneer <i>Eriophorum angustifolium</i> community (poor fen)	pEang	Caricion curto-nigrae	Poor fen	PF2
	Pioneer <i>Juncus bulbosus</i> community	pJbulb	Caricion curto-nigrae	Poor fen	PF2
	Pioneer <i>Triglochin palustris</i> community	pTrig	Caricion curto-nigrae	Poor fen	PF2
	Pioneer <i>Juncus</i> with <i>Sphagnum</i> *	pJunc	Sphagneto-Juncetum	Poor fen	PF2
Rich fen	Pioneer rich fen community with <i>Schoenus nigricans</i> (rudimentary rich fen)	Pschon	Caricetalia davallianae	Rich fen	PF1
	Pioneer <i>Carex viridula</i> /brown moss community (rich fen)	pVir	Caricetalia davallianae	Rich fen	PF1
	Pioneer <i>Cladium</i> community	pCladium	Caricion davallianae	Rich fen	PF1
Emergent wetland communities	<i>Carex rostrata</i> community (poor fen)	pRos	Cariculion rostratae	Poor fen	PF1
	<i>Carex paniculata</i> community	pPan	Caricetum paniculatae	Reed and large sedge swamps	FS1
	<i>Phragmites australis</i> community*	pPhrag	Scirpo-Phragmitetum	Reed and large sedge swamps	FS1
	<i>Typha</i> community*	pTyp	Typhetum latifoliae	Reed and large sedge swamps	FS1
	<i>Schoenoplectus</i> community	pSch	Scirpo-Phragmitetum	Reed and large sedge swamps	FS1
Open water/aquatic	Permanent pools and lakes	OW	Isoeto-Litorelletea	Dystrophic lakes	FL1
	Permanent pools and lakes	OW	Isoeto-Litorelletea	Acid-oligotrophic lakes	FL2
	Charaphytes	pChar	Charetea	Limestone/Marl lakes	FL3
	Temporary open water	tOW			
Woodland and scrub	Emergent <i>Betula</i> -dominated community (A)	eBir	Salici-Betuletum pubescentis	Scrub	WS1
	Open <i>Betula</i> -dominated community (B)	oBir	Salici-Betuletum pubescentis	Scrub	WS1
	Closed <i>Betula</i> scrub community (C)	cBir	Salici-Betuletum pubescentis	Scrub	WS1
	<i>Ulex</i> -dominated community	eGor		Scrub	WS1
	<i>Betula</i> - <i>Salix</i> woodland	BirWD	Salici-Betuletum pubescentis	Bog woodland	WN7

General Pioneer Community	Pioneer Community	BnM Habitat Code	Nearest Phytosociological Syntaxa	Fossitt 2000 Classification	
Heathland	Dry <i>Calluna</i> community	dHeath	Calluno-Ulicetalia	Dry heath	HH1
	Wet Heath community	wHeath	Nartheccio-Ericetum	Wet Heath	HH3
	Dense <i>Pteridium</i>	dPter	Rhamno-Prunetea	Dense Bracken	HD1
Grassland	Dry calcareous grassland	gCal	Centaureo-Cynosuretum	Dry calcareous and neutral grassland	GS1
	<i>Antoxanthum-Holcus-Equisetum</i> community	gAn-H-Eq	No close affinities to Irish syntaxa	Dry calcareous and neutral grassland	GS
	<i>Dactylis-Arrhenatherum</i> community	gDact-Arr	Arrhenatheritum elatioris	Dry meadows and grassy verges	GS2
	<i>Molinia caerulea</i> -dominated community	gMol	Junco conglomerati-Molinion	Wet grassland	GS4
	Marsh - <i>Filipendula</i> and other tall herbs	Mar	Filipendulion ulmariae	Marsh	GM1
Disturbed	<i>Tussilago</i> -dominated community (vegetation > 50%)	DisCF	Tussilaginetum	Recolonising bare ground	ED3
	<i>Epilobium</i> -dominated community (vegetation > 50%)	DisWil	Tussilaginetum	Recolonising bare ground	ED3
General	Riparian areas (streams or drains with associated edge habitats)	Rip			FW2/4
	Access (tracks or railways with associated edge habitats)	Acc			BL3

*indicates potentially peat forming habitat

Appendix III

Supporting documents

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Appendix IV

Habitats and species of nature conservation value recorded from Bord na Móna sites

Table 1.
List of EU Habitats Directive Annex I habitats that have been found on Bord na Móna property.

Most habitats are found in cSACs/pNHAs already recognised for their conservation value and have already been listed as qualifying interests for these conservation sites (part owned by Bord na Móna)

Habitat	Fossitt Code	National	International	Examples
* Active Raised bogs (7110)	PB1	ECHR	EU HD Annex I	Clera Island Bog in Co. Roscommon (Clonboley Group); Townparks Bog (Daingean Bog NHA).
Degraded raised bogs still capable of regeneration (7120)	PB1	ECHR	EU HD Annex I	Clera Island bog in Co. Roscommon (Clonboley Group); Killamuck Bog (Abbeyleix Bog), Co. Laois.
Blanket Bog (*if active bog) (7130)	PB3	ECHR	EU HD Annex I	O'Boyle's Bog (Co. Mayo)
Depressions of the peat substrates of the Rhynchosporion (7150)	PB1	ECHR	EU HD Annex I	Several sites within bog remnants to margins of production areas.
*Calcareous fens with <i>Cladium mariscus</i> and species of the Caricion davallianae (7210)	PF1	ECHR	EU HD Annex I	Overlap with Fin Lough cSAC (Co. Offaly)
*Alkaline fens (7230)	PF1	ECHR	EU HD Annex I	Overlap with Fin Lough cSAC (Co. Offaly); some regeneration at Lullymore Bog, Co. Kildare
Transition mires and quaking bogs (7140)	PF3	ECHR	EU HD Annex I	Cranberry Lough bog (Cranberry Lough pNHA, Co. Roscommon)
*Bog woodland (91D0)	WN7	ECHR	EU HD Annex I	Clera Island Bog in Co. Roscommon (Clonboley Group)
*Petrifying springs with tufa formation (Cratoneurion) (7220)	FP1	ECHR	EU HD Annex I	Derryarogue Island in Co. Roscommon (Mountdillon Works)
Atlantic salt meadows (<i>Glauco-Puccinellietalia</i>) (1330)	CM1/CM2	ECHR	EU HD Annex I	Margins of Bangor-Ballycroy (Tullaghan Bay NHA, Co. Mayo)
Mediterranean salt meadows (<i>Juncetalia maritimi</i>) (1410)	CM2/CM2	ECHR	EU HD Annex I	Margins of Bangor-Ballycroy (Tullaghan Bay NHA, Co. Mayo)
Semi-natural dry grasslands and scrubland facies on calcareous substrates (<i>Festuco-Brometea</i>) (*important orchid sites) (6210)	GS1	ECHR	EU HD Annex I	Likely to be present at Derryarogue Island in Co. Roscommon (Mountdillon Works)
* Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (<i>Alno-padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i>) (91E0)	WN4	ECHR	EU HD Annex I	Potential to be present on some riparian zones (not recorded yet)
European dry heaths (4030)	HH1	ECHR	EU HD Annex I	Present on some bog remnants

* Priority habitat - habitat types in danger of disappearance and whose natural range mainly falls within the territory of the European Union (Commission of the European Communities 2003)

Table 2.
List of EU Habitats Directive Annex II species that have been found on
Bord na Móna property to date.

Species	National	International	Details
Soprano Pipistrelle (<i>Pipistrellus pygmaeus</i>) ¹	ECHR, RDB (LC) & WA	EU HD Annex IV & Bern (II)	Large bat roost at Bord na Móna works, Boora, (Co. Offaly), Activity noted at other locations.
Common Pipistrelle (<i>Pipistrellus pipistrellus</i>)	ECHR, RDB (LC) & WA	EU HD Annex IV & Bern (II)	Activity noted around Bord na Móna property (Co. Offaly).
Leislars Bat (<i>Nyctalus noctula</i>)	ECHR, RDB (NT) & WA	EU HD Annex IV & Bern (II)	Roost in the Derrygreenagh bog group with activity noted around other Bord na Móna properties (Co. Offaly).
Daubenton's Bat (<i>Myotis daubentonii</i>)	ECHR, RDB (NT) & WA	EU HD Annex IV & Bern (II)	Activity noted around Bord na Móna property (Co. Offaly).
Otter (<i>Lutra lutra</i>)	ECHR, RDB (NT) & WA	EU HD, Annexes II, IV & Bern (II)	Frequently seen within Lough Boora Parklands. Activity at several other sites, including Lullymore, Lullybeg, Mayo bogs and others.
Pine Marten (<i>Martes martes</i>)	ECHR, RDB (LC) & WA	EU HD, Annexes II, IV & Bern (II)	Signs recorded at most sites.
Irish Hare (<i>Lepus timidus hibernicus</i>)	ECHR, SAP, RDB (LC) & WA.	EU HB Annex V & Bern (II)	Frequent user of cutaway and production bog. Regularly seen.
Red Squirrel (<i>Sciurus vulgaris</i>)	RDB (NT) & WA	Bern (III)	Recorded at numerous sites in counties Roscommon, Galway, Offaly and Kildare.
Hedgehog (<i>Erinaceus europaeus</i>)	RDB (LC) & WA	Bern (II)	Observed in some midland cutaway sites (Likely to be regular user of the cutaway and production bog).
Badger (<i>Meles meles</i>)	RDB (LC) & WA	Bern (III)	Frequent user of cutaway, production bog and intact bogs. Signs regularly recorded.
Fallow Deer (<i>Dama dama</i>)	RDB (LC) & WA	Bern (III)	Frequent user of cutaway, production bog and intact bogs.
Red Deer (<i>Cervus elaphus</i>)	RDB (LC) & WA		Frequently recorded in the Oweninny area.
Amphibians and Reptiles			
Common Frog (<i>Rana temporaria</i>)	RDB (II) & WA	EU HD, Annex V & Bern (II)	Frequent user of cutaway bog. Regularly recorded.
Common Newt (<i>Triturus vulgaris</i>)	RDB (LC), WA		Recorded at Lough Boora Discovery Park (Turraun), Lullymore/Lullybeg
Viviparous Lizard (<i>Lacerta vivipara</i>)	RDB, WA		Recorded at Lough Boora Parklands, Mayo bogs and intact bogs in Roscommon and Galway.
Invertebrates			
Marsh Fritillary (<i>Euphydryas aurinia</i>)	RS, VU	EU HD, Annex I	Butterfly species is using part of Lullybeg (Co. Kildare). Site managed by Butterfly Conservation Ireland, also located on a number of other sites across the midlands.
Large Heath (<i>Coenonympha tullia</i>)	RS, VU	EU HD, Annex I	Butterfly species using some areas of remnant raised bog.
Dingy Skipper (<i>Erynnis tages</i>)	RS, NT	EU HD, Annex I	Butterfly species using some cutaway sites, such as in Lough Boora Discovery Park.
White-clawed Crayfish (<i>Austropotamobius pallipes</i>)		EU HD, Annex II	Observed in watercourses in cutaway peatlands and watercourses adjacent to intact peatlands.
Fish			
Brook lamprey (<i>Lampetra planeri</i>)	RDB (LC)	EU HD, Annex II	Found in watercourses adjacent to bogs in some midland sites.
European Eel (<i>Anguilla Anguilla</i>)	RDB (CR)	OSPAR ⁷	Found in some streams and lakes.

Species	National	International	Details
Plants			
Basil thyme (<i>Acinos arvensis</i>)	FPO RDB (VU)		Plant of eskers in midlands. Found at the Long Derries cSAC, Co. Offaly.
Blue Fleabane (<i>Erigeron acer</i>)	RDB (VU)		Plant of eskers in midlands. Recently recorded on disturbed glacial till and along railway embankments at cutaway bog sites in Co. Offaly.
Marsh Saxifrage (<i>Saxifraga hirculus</i>)	FPO RDB (EN)		Plant of wet bogs in west of Ireland. Recorded at Bellacorick Iron Flush (site owned by An Taisce).
Serrated Wintergreen (<i>Orthilia secunda</i>)	RDB (E)		Only known population remaining in the Republic of Ireland at Ballydangan Bog, Co Roscommon.
Alder Buckthorn (<i>Frangula alnus</i>)	RDB (R)		Plant of the edges of remnant raised bog, also found on some cutaway sites.
Bryophytes			
			To be updated as ecology survey proceeds.

Table 3.
List of Bird species that have been found on Bord na Móna property to date.

Common name	Latin name	Breeding ¹	Wintering	EU BRq Annex I	BoCCI	Notes ²
Mute Swan	<i>Cygnus olor</i>	Y	Y		Amber	Regular breeder on larger wetlands
Bewick's Swan	<i>Cygnus columbianus</i>		Y	Y	Red	Recorded; now very rare
Whooper Swan	<i>Cygnus cygnus</i>		Y	Y	Amber	Internationally and nationally important numbers occasionally counted on Blackwater bogs (Galway/Offaly) and in Boora Parklands and associated bogs such as Lullymore and Ballycon (Offaly)
Bean Goose	<i>Anser fabilis</i>		Y			Rare winter visitor
Pink-footed Goose	<i>Anser brachyrhynchus</i>		Y			Occasional winter visitor
Greenland White-fronted Goose	<i>Anser albifrons flavirostris</i>		Y	Y	Amber	Occasional winter visitor
Greylag Goose	<i>Anser anser</i>	Y	Y		Amber	Feral breeding population around Boora; genuine wild birds regularly with wintering Whooper Swans
Canada Goose	<i>Branta canadensis</i>		Y			Occasional winter visitor
Barnacle Goose	<i>Branta leucopsis</i>		Y	Y	Amber	Occasional winter visitor
Shelduck	<i>Tadorna tadorna</i>		Y		Amber	Rare winter visitor
Wigeon	<i>Anas penelope</i>		Y		Red	Regular winter visitor
Gadwall	<i>Anas strepera</i>		Y		Amber	Occasional winter visitor
Teal	<i>Anas crecca</i>	Y	Y		Amber	Nationally important wintering numbers have been counted at Blackwater, Co. Offaly; scarce and localised breeder
Green-winged Teal	<i>Anas crecca carolinensis</i>					Vagrant - one Blackwater record
Mallard	<i>Anas platyrhynchos</i>	Y	Y			Nationally important wintering numbers occasionally recorded at Boora Parklands, Co. Offaly ³ . Common regular breeder.
Pintail	<i>Anas acuta</i>		Y		Red	Nationally important wintering numbers have been counted at Blackwater, Co. Offaly ³
Garganey	<i>Anas querquedula</i>				Amber	Rare passage migrant
Shoveler	<i>Anas clypeata</i>	S	Y		Red	Regular winter visitor; possible breeder
Pochard	<i>Aythya ferina</i>		Y		Red	Regular winter visitor
Tufted Duck	<i>Aythya fuligula</i>	Y	Y		Red	Regular, localised breeder; regular winter visitor
Scaup	<i>Aythya marila</i>		Y		Amber	Scarce winter visitor

Common name	Latin name	Breeding ¹	Wintering	EU BRq Annex I	BoCCI	Notes ²
Long-tailed Duck	<i>Clangula hyemalis</i>				Red	Rare visitor
Goldeneye	<i>Bucephala clangula</i>		Y		Red	Scarce winter visitor
Smew	<i>Mergus albellus</i>			Y		Vagrant – one Leabeg record
Red-breasted Merganser	<i>Mergus serrator</i>					Scarce visitor
Red Grouse	<i>Lagopus lagopus hibernicus</i>	Y	Y		Red	Resident breeder on intact bog remnants
Grey Partridge	<i>Perdix perdix</i>	Y	Y		Red	Resident breeder at Boora
Quail	<i>Coturnix coturnix</i>	S			Red	Scarce summer visitor; not annual, but possible breeder
Pheasant	<i>Phasianus colchicus</i>	Y	Y			Common resident
Great Northern Diver	<i>Gavia immer</i>				Amber	Scarce winter visitor
Red-throated Diver	<i>Gavia stellata</i>				Amber	Scarce winter visitor
Leach's Storm Petrel	<i>Oceanodroma leucorhoa</i>				Red	Rare Vagrant (one record from Boora)
Cormorant	<i>Phalacrocorax carbo</i>	Y	Y		Amber	Regular visitor; non-breeding
Little Egret	<i>Egretta garzetta</i>		Y			Regular visitor; non-breeding
Grey Heron	<i>Ardea cinerea</i>	Y	Y			Resident breeder
Little Grebe	<i>Tachybaptus ruficollis</i>	Y	Y		Amber	Nationally important numbers occasionally recorded at Boora Parklands, Co. Offaly. Regular breeder confirmed
Great Crested Grebe	<i>Podiceps cristatus</i>	Y	Y		Amber	Localised but regular breeder
White-tailed Eagle	<i>Haliaeetus albicilla</i>		Y		Red	Rare winter visitor
Red Kite	<i>Milvus milvus</i>				Amber	Scarce visitor
Black Kite	<i>Milvus migrans</i>					Rare Vagrant (one record from Tumduff)
Marsh Harrier	<i>Circus aeruginosus</i>			Y	Amber	Scarce passage migrant. Several birds have over-wintered at Boora Parklands in the past 10 years ⁶
Hen Harrier	<i>Circus cyaneus</i>	Y	Y	Y	Amber	Regularly recorded throughout the year, included regular winter roosts. Breeding confirmed in C. Mayo.
Montagu's Harrier	<i>Circus pygargus</i>					Rare Vagrant (one record from Tumduff)
Sparrowhawk	<i>Accipiter nisus</i>	Y	Y		Amber	Widespread resident breeder
Goshawk	<i>Accipiter gentilis</i>				Amber	Rare Visitor
Buzzard	<i>Buteo buteo</i>	Y	Y			Widespread resident breeder
Osprey	<i>Pandion haliaetus</i>			Y		Rare passage migrant
Kestrel	<i>Falco tinnunculus</i>	Y	Y		Amber	Widespread resident breeder
Hobby	<i>Falco subbuteo</i>					Rare visitor
Red-footed Falcon	<i>Falco vespertinus</i>					Rare Vagrant (one record at Timahoe)
Merlin	<i>Falco columbarius</i>	S	Y	Y	Amber	Scarce but regular winter visitor; breeding in some sites suspected
Peregrine Falcon	<i>Falco peregrines</i>	S	Y	Y		Regular visitor; breeding suspected
Water Rail	<i>Rallus aquaticus</i>	Y	Y			Localised but regular breeder
Moorhen	<i>Gallinula chloropus</i>	Y	Y			Widespread resident breeder
Coot	<i>Fulica atra</i>	Y	Y		Amber	Scarce, but possible breeder
Common Crane	<i>Grus grus</i>			Y		Vagrant – recorded at Leabeg and Ballycon
Black-winged Stilt	<i>Himantopus himantopus</i>					Rare Vagrant (one record from Finnamores)
Oystercatcher	<i>Haematopus ostralegus</i>		Y		Amber	Scarce winter visitor
Ringed Plover	<i>Charadrius hiaticula</i>	Y	Y		Amber	Localised but regular breeder
Golden Plover	<i>Pluvialis apricaria</i>	S	Y	Y (breeding)	Red	Nationally important wintering numbers occasionally recorded at Boora Parklands, Co. Offaly; breeding suspected in Co. Mayo
American Golden Plover	<i>Pluvialis dominica</i>					Vagrant – one Blackwater record
Grey Plover	<i>Pluvialis squatarola</i>		Y		Amber	Rare winter visitor
Lapwing	<i>Vanellus vanellus</i>	Y	Y		Red	Nationally important wintering numbers occasionally recorded at Boora Parklands, Co. Offaly ³ . Also recorded at Lullymore (breeding). Localised but regular breeder

Common name	Latin name	Breeding ¹	Wintering	EU BRq Annex I	BoCCI	Notes ²
Knot	<i>Calidris canutus</i>				Amber	Scarce passage migrant
Sanderling	<i>Calidris alba</i>					Scarce passage migrant
Little Stint	<i>Calidris minuta</i>					Scarce passage migrant
Temminck's Stint	<i>Calidris ferruginea</i>					Vagrant – one Turraun record
Dunlin	<i>Calidris alpina</i>	S	Y	Y (Breeding population)	Red	Regular passage migrant and scarce winter visitor; breeding possible in Co. Mayo
White-rumped Sandpiper	<i>Calidris fuscicollis</i>					Rare vagrant (one record from Boora Lake)
Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>					Rare vagrant (one record from Boora Lake)
Ruff	<i>Philomachus pugnax</i>		Y	Y	Amber	Scarce passage migrant and winter visitor
Jack Snipe	<i>Lymnocyrtus minimus</i>		Y		Amber	Scarce winter visitor
Snipe	<i>Gallinago gallinago</i>	Y	Y		Amber	Widespread resident breeder reinforced by migratory winter visitors
Woodcock	<i>Scolopax rusticola</i>	Y	Y		Red	Localised but regular breeder; winter visitor
Black-tailed Godwit	<i>Limosa limosa</i>		Y	Y	Amber	Scarce passage migrant and winter visitor
Whimbrel	<i>Numenius phaeopus</i>					Passage migrant
Curlew	<i>Numenius arquata</i>	Y	Y		Red	Scarce and localised breeder; regular winter visitor
Common Sandpiper	<i>Actitis hypoleucos</i>	Y	Y		Amber	Localised but regular breeder
Green Sandpiper	<i>Tringa ochropus</i>		Y			Passage migrant
Spotted Redshank	<i>Tringa erythropus</i>		Y		Amber	Passage migrant
Greenshank	<i>Tringa nebularia</i>		Y			Passage migrant
Redshank	<i>Tringa totanus</i>	Y	Y		Red	Localised but regular breeder
Lesser Yellowlegs	<i>Tringa flavipes</i>					Rare Vagrant (two records at Clongawny)
Red-necked Phalarope	<i>Phalaropus lobatus</i>			Y	Red	Very rare but possible breeder
Grey Phalarope	<i>Phalaropus fulicarius</i>					Vagrant – one Derries record
Black-headed Gull	<i>Larus ridibundus</i>	Y	Y		Red	Regular but localised breeder; occasional winter visitor
Common Gull	<i>Larus canus</i>	Y	Y		Amber	Very scarce breeder.
Lesser Black-backed Gull	<i>Larus fuscus</i>		Y		Amber	Occasional, non-breeding visitor
Herring Gull	<i>Larus argentatus</i>		Y		Red	Occasional, non-breeding visitor
Great Black-backed Gull	<i>Larus marinus</i>		Y		Amber	Occasional, non-breeding visitor
Kittiwake	<i>Rissa tridactyla</i>				Amber	Rare visitor
Black Tern	<i>Chlidonias niger</i>					Rare Vagrant (one record from Drinagh)
Arctic Tern	<i>Sterna paradisaea</i>				Amber	Rare visitor
Common Tern	<i>Sterna hirundo</i>				Amber	Occasional, non-breeding visitor
Stock Dove	<i>Columba oenas</i>	Y	Y		Amber	Scarce and localised resident breeder
Wood Pigeon	<i>Columba palumbus</i>	Y				Common and widespread resident
Collared Dove	<i>Streptopelia decaocto</i>					Resident
Cuckoo	<i>Cuculus canorus</i>	Y				Localised but regular breeder
Barn Owl	<i>Tyto alba</i>	Y			Red	Scarce and localised resident; breeding possible
Snowy Owl	<i>Bubo scandiacus</i>					Vagrant – one Clonbonny record
Long-eared Owl	<i>Asio otus</i>	Y	Y			Localised but regular breeder
Short-eared Owl	<i>Asio flammeus</i>		Y	Y	Amber	Scarce winter visitor
Swift	<i>Apus apus</i>				Amber	Summer visitor; breeding possible
Kingfisher	<i>Alcedo atthis</i>	S	Y	Y	Amber	Occasionally recorded on cutaway sites (Turraun, Ballycon, Lullymore in Co. Offaly, Drumman, Co. Westmeath & Milkernagh, Co. Longford)
Magpie	<i>Pica pica</i>	Y	Y			Common and widespread resident
Jay	<i>Garrulus glandarius</i>	Y	Y			Recorded
Jackdaw	<i>Corvus monedula</i>	Y	Y			Common and widespread resident
Rook	<i>Corvus frugilegus</i>	Y	Y			Common and widespread resident
Hooded Crow	<i>Corvus corone cornix</i>	Y	Y			Common and widespread resident

Common name	Latin name	Breeding ¹	Wintering	EU BRq Annex I	BoCCI	Notes ²
Raven	<i>Corvus corax</i>	Y	Y			Common and widespread resident
Goldcrest	<i>Regulus regulus</i>	Y	Y		Amber	Common and widespread resident
Blue Tit	<i>Parus caeruleus</i>	Y	Y			Common and widespread resident
Great Tit	<i>Parus major</i>	Y	Y			Common and widespread resident
Coal Tit	<i>Parus ater</i>	Y	Y			Common and widespread resident
Skylark	<i>Alauda arvensis</i>	Y	Y		Amber	Common and widespread resident
Sand Martin	<i>Riparia riparia</i>	S			Amber	Common and widespread summer visitor; large migratory roosts in reedbeds
Swallow	<i>Hirundo rustica</i>	Y			Amber	Common and widespread summer visitor
House Martin	<i>Delichon urbica</i>	Y			Amber	Common and widespread summer visitor
Long-tailed Tit	<i>Aegithalos caudatus</i>	Y	Y			Common and widespread resident
Chiffchaff	<i>Phylloscopus collybita</i>	Y	Y			Common and widespread summer visitor; occasional winter visitor
Willow Warbler	<i>Phylloscopus trochilus</i>	Y				Common and widespread summer visitor
Blackcap	<i>Sylvia atricapilla</i>	Y	Y			Common and widespread summer visitor; occasional winter visitor
Whitethroat	<i>Sylvia communis</i>	Y				Common and widespread summer visitor
Grasshopper Warbler	<i>Locustella naevia</i>	Y			Amber	Localised but regular breeder
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	Y				Common and widespread summer visitor
Treecreeper	<i>Certhia familiaris</i>	Y	Y			Common and widespread resident
Wren	<i>Troglodytes troglodytes</i>	Y	Y			Common and widespread resident
Starling	<i>Sturnus vulgaris</i>	Y	Y		Amber	Common and widespread resident
Blackbird	<i>Turdus merula</i>	Y	Y			Common and widespread resident
Fieldfare	<i>Turdus pilaris</i>		Y			Common winter visitor
Song Thrush	<i>Turdus philomelos</i>	Y	Y			Common and widespread resident
Redwing	<i>Turdus iliacus</i>		Y			Common winter visitor
Mistle Thrush	<i>Turdus viscivorus</i>	Y	Y		Amber	Common and widespread resident
Spotted Flycatcher	<i>Muscicapa striata</i>	Y			Amber	Common and widespread summer visitor
Robin	<i>Erithacus rubecula</i>	Y	Y		Amber	Common and widespread resident
Whinchat	<i>Saxicola rubetra</i>	Y			Red	Very rare summer visitor
Stonechat	<i>Saxicola torquata</i>	Y	Y		Amber	Common and widespread resident
Wheatear	<i>Oenanthe oenanthe</i>	Y			Amber	Regular passage migrant; very rare breeder
Dunnock	<i>Prunella modularis</i>	Y	Y			Common and widespread resident
House Sparrow	<i>Passer domesticus</i>	Y	Y		Amber	Common and widespread resident
Grey Wagtail	<i>Motacilla cinerea</i>	Y	Y		Red	Common and widespread resident
Pied Wagtail	<i>Motacilla alba</i>	Y	Y			Common and widespread resident
White Wagtail	<i>Motacilla alba ssp. alba</i>					Scarce passage migrant
Meadow Pipit	<i>Anthus pratensis</i>	Y	Y		Red	Common and widespread resident
Chaffinch	<i>Fringilla coelebs</i>	Y	Y			Common and widespread resident
Brambling	<i>Fringilla montifringilla</i>		Y			Scarce winter visitor
Greenfinch	<i>Carduelis chloris</i>	Y	Y		Amber	Common and widespread resident
Goldfinch	<i>Carduelis chloris</i>	Y	Y			Common and widespread resident
Linnet	<i>Carduelis cannabina</i>	Y	Y		Amber	Common and widespread resident
Redpoll	<i>Carduelis flammea</i>	Y	Y			Common and widespread resident
Crossbill	<i>Loxia curvirostra</i>	Y	Y			Scarce resident and winter visitor
Bullfinch	<i>Pyrrhula pyrrhula</i>	Y	Y			Common and widespread resident
Yellowhammer	<i>Emberiza citrinella</i>	Y	Y		Red	Scarce resident
Reed Bunting	<i>Emberiza schoeniclus</i>	Y	Y			Common and widespread resident

¹ Y indicates breeding confirmed, S indicates breeding probable.

² List compiled using records from Crowe (2005), Copland (2010a,b), Heery (2009) and internal Bord na Móna records. List likely to expand in future as more records are accumulated.

³ Data from Crowe (2005).

⁴ Data from Copland (2010a).

⁵ Data from Copland (2010b) (Mayo).

⁶ Data from Heery (2009).

⁷ OSPAR Convention for the protection of the marine environment of the North-east Atlantic [1992]