

REFERENCES

GENERAL REFERENCES

Advice Notes on Current Practices in the Preparation of Environmental Impact Statements (EPA 2003).

Guidelines on the Information to be contained in Environmental Impact Statements (EPA 2002).

Revised Guidelines on the Information to be Contained in Environmental Impact Assessment Reports (EPA, Draft 2017).

Revised Advice Notes for Preparing Environmental Impact Statements (EPA, Draft September 2015)

European Commission Guidance on the Preparation of the Environmental Impact Assessment Report (2017).

DoHLG, 2006: Wind Farm Development Guidelines for Planning Authorities.

NOISE REFERENCES

Attenuation of sound during propagation outdoors –Part 2: General method of calculation, ISO 9613-2-1996- Acoustics.

Code of Practice for Noise and Vibration Control on Construction and Open Sites + A1 2014 British Standard 5228 Parts 1 & 2.

Environmental Management in the Extractive Industry (Non-Scheduled Minerals), Environmental Protection Agency, 2006.

Good Practice Guide to the Application of ETSU-R-97 for the Assessment and Rating of Wind Turbine Noise, Institute of Acoustics, 2013.

Guidelines for Environmental Noise Impact Assessment, Institute of Environmental Management and Assessment (IEMA), 2014.

Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4), Environmental Protection Agency, (EPA, 2016)

MATERIAL ASSETS

Clare County Development Plan 2017-2023 (As Varied);

The Transport Infrastructure Ireland (TII) Traffic and Transport Assessment (TTA) Guidelines PE-PDV-02045 May 2014;

TII's Project Appraisal Guidelines for National Roads Unit 5.3 – Travel Demand Projections PE-PAG-02017 October 2016;

TII's Rural Road Link Design DN-GEO-03031 June 2017; and

The Environmental Protection Agency (EPA) Guidelines On The Information To Be Contained In Environmental Impact Assessment Reports Draft August 2017 (EPA EIAR Guidelines).

AIR AND CLIMATE

Baringa Partners LLP (2018) *A 70% Renewable Electricity Vision for Ireland in 2030*. Baringa Partners LLP.

Construction Industry Research and Information Association (CIRA) (2015) Environmental Good Practice on Site. CIRA.

Department of Climate, Communications, and the Environment (DCCA) (2019). Climate Action Plan. DCCA.

Eirgrid (2018) Generation Capacity Statement. Eirgrid.

Institute of Environmental Management and Assessment (IEMA) (2008) Environmental Management Plans. IEMA.

National Roads Authority (NRA) (2011) Guidelines for the Treatment of Air Quality During the Planning of and Construction of National Road Schemes. NRA.

Scottish Government (2019) Calculating carbon savings from Wind Farms on Scottish peatlands. Scottish Government.

Sustainable Energy Authority of Ireland (SEAI) (2018), Energy in Ireland. SEAI.

Sustainable Energy Authority of Ireland (SEAI 2018), *Energy Related CO₂ emissions in Ireland 2005 to 2018*

UK British Research Establishment (BRE) (2003) *Control of Dust from Construction and Demolition Activities*. BRE.

Lithium-Ion Vehicle Battery Production: Status 2019 on Energy Use, CO₂ Emissions, Use of Metals, Products Environmental Footprint, and Recycling by Erik Emilsson and Lisbeth Dahllöf. Published November 2019.

PEFCR – Product Environmental Footprint Category Rules for High Specific Energy Rechargeable Batteries for Mobile Applications. Published February 2018.

CO₂ Earth, 2020, Viewed 26/05/2020, <www.co2.earth/daily-co2>

European Parliament 2020, Viewed, 28/05/2020 <www.europarl.europa.eu/news/en/press-room/20191121IPR67110/the-european-parliament-declares-climate-emergency>

Environmental Protection Agency, 2020, Viewed 27/05/2020
<www.epa.ie/irelandsenvironment/air/>

Forbes 2020, Viewed 6/06/2020, Estimating the Carbon Footprint of Utility-Scale Batter Storage<
<https://www.forbes.com/sites/rpapier/2020/02/16/estimating-the-carbon-footprint-of-utility-scale-battery-storage/#1bd230cb7adb>

Office of Public Works (OPW), 2020, Viewed 28/05/2020,
<<http://www.floodmaps.ie/View/Default.aspx>>

World Meteorological Organisation (WMO), 2020, Viewed 28/05/2020

<https://library.wmo.int/doc_num.php?explnum_id=10108, 2020>

BIODIVERSITY REFERENCES

Bang, P. & Dahlstrom, P. (2004). *Animal tracks and signs*. Oxford University Press.

Bat Conservation Trust (BCT) (2016). *Bat Surveys for Professional Ecologists: Good Practice Guidelines* (3rd edition).

Bat Conservation Ireland (BCI) (2012). *Wind Turbine/Wind Farm Development Bat Survey Guidelines*.

British Bryological Society (2010). *Mosses and Liverworts of Britain and Ireland a field guide*.

EPA, (2017). *Draft Guidelines on information to be contained in Environmental Impact Statements*. Published by the Environmental Protection Agency, Ireland.

Fossitt, J. A. (2000). *A Guide to Habitats in Ireland*. Kilkenny: The Heritage Council.

Chanin and Smith 2003. *Monitoring the otter *Lutra lutra**. Conserving Natura 2000 Rivers Monitoring Series No 10. Peterborough, English Nature.

CIEEM (2018). *Guidelines for Ecological Impact Assessment in the UK and Ireland - Terrestrial, Freshwater, Coastal and Marine*.

Gilbert, O.L., & Anderson, P. (1998). *Habitat creation and repair*. Oxford University Press.

Kelleher, C. & Marnell, F. (2006) *Bat Mitigation Guidelines for Ireland*. Irish Wildlife Manuals, No. 25. National Parks and Wildlife Service, Department of Environment, Heritage and Local Government, Dublin, Ireland.

King, J.L., Marnell, F., Kingston, N., Rosell, R., Boylan, P., Caffrey, J.M., FitzPatrick, Ú., Gargan, P.G., Kelly, F.L., O'Grady, M.F., Poole, R., Roche, W.K. and Cassidy, D. (2011). *Ireland Red List No. 5: Amphibians, Reptiles and Freshwater Fish*. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.

Mackin, F., Barr, A., Rath, P., Eakin, M., Ryan, J., Jeffrey, R. & Fernandez Valverde, F. (2017) *Best practice in raised bog restoration in Ireland*. Irish Wildlife Manuals, No. 99. National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht, Ireland.

Marnell, F., Looney, D. & Lawton, C. (2019) *Ireland Red List No. 12: Terrestrial Mammals*. National Parks and Wildlife Service, Department of the Culture, Heritage and the Gaeltacht, Dublin, Ireland.

Meehan, S.T. (2013). *Irish Wildlife Trust (IWT) National Smooth Newt Survey 2013 report*.

Murnane, E., Heap, A., & Swain, A. (2006). *Construction Industry Research and Information Association (CIRIA) technical guidance on water pollution control*.

Natural England (2014). *Technical Information Note TIN051 Bats and onshore wind turbines Interim guidance*. Third edition.

- NIEA (2012) Northern Ireland Environment Agency Natural Heritage, Development Management Team Advice Note on Active Peatland Assessment.
- NPWS (2019). The Status of EU Protected Habitats and Species in Ireland. Volume 2: Habitat Assessments. Unpublished NPWS report. Edited by: Deirdre Lynn and Fionnuala O'Neill.
- NPWS (2017) National Peatlands Strategy Progress report 2017. Peatlands Strategy Implementation Group.
- NPWS (2015) Managing Ireland's Peatlands. A National Peatlands Strategy 2015. National Parks & Wildlife Service 7 Ely Place, Dublin 2, D02 TW98, Ireland.
- NRA (2009). Environmental Assessment and Construction Guidelines. Published by the National Roads Authority.
- NRA (2009). Guidelines Ecological Surveying Techniques for Protected Flora and Fauna during the Planning of National Road Schemes.
- NPWS (2004). *Margaritifera margaritifera* Stage 1 and Stage 2 survey guidelines, Irish Wildlife Manuals, No. 12.
- Parnell, J; Curtis, T; and Cullen, E. (2012): Webb's an Irish Flora. Hardback, 8th Edn (March 2012), Trinity College Dublin.
- Perrin, P.M., Barron, S.J., Roche, J.R. & O'Hanrahan, B. (2014). Guidelines for a national survey and conservation assessment of upland vegetation and habitats in Ireland. Version 2.0. Irish Wildlife Manuals, No. 79. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht, Dublin, Ireland.
- Scannell, M.J.P., & Synnott, D.M. (1987). Census catalogue of the Flora of Ireland. Second edition. Published by the Station House, Dublin.
- Scottish Natural Heritage (SNH) (2003). Surveying for Badgers followed standard methodology as outlined in Scottish Natural Heritage 'Best Practice Badger Survey Guidance Note.
- SNH (2019). Bats and Onshore Wind Turbines – Survey, Assessment and Mitigation.
- Smith, G.F., O'Donoghue, P, O'Hora K., and Delaney, E. (2010). Best Practice Guidance for Habitat Survey and Mapping. Published by the Heritage Council.
- Transport Infrastructure Ireland (TII) (2010). Guidelines for the Management of Noxious Weeds and Non-Native Invasive Plant Species on National Roads.
- TII (2006). Guidelines for the treatment of bats during the construction of National Road Schemes.
- TII (2005). Best Practice Guidelines for the Conservation of Bats in the Planning of National Road Schemes.
- Parnell, J. & Curtis, T. (2012). Webb's An Irish Flora. Eight Edition. Cork University Press.

Wyse Jackson, M., FitzPatrick, Ú., Cole, E., Jebb, M., McFerran, D., Sheehy Skeffington, M. & Wright, M. (2016) Ireland Red List No. 10: Vascular Plants. National Parks and Wildlife Service, Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs, Dublin, Ireland.

LAND AND SOIL REFERENCES

British Standards Institution (BSI). (2015) BS5930 - Code of Practice for Site Investigations.

Department of Housing, Planning and local Government, 2018: Guidelines for Planning Authorities and An Bord Pleanála on carrying out Environmental Impact Assessment.

Environmental Protection Agency (2017): Draft Guidelines on the Information to be contained in Environmental Impact Assessment Reports.

Environmental Protection Agency (September 2015): Draft - Advice Notes on Current Practice (in the preparation of Environmental Impact Statements).

Environmental Protection Agency (2003): Advice Notes on Current Practice (in the Preparation on Environmental Impact Statements).

European Union, 2017: Guidance on the preparation of the EIA Report (Directive 2011/92/EU as amended by 2014/52/EU).

Geological Survey of Ireland (GSI). (1996) Geology of the Shannon Estuary, 1:100,000 scale Bedrock Geology Series, Sheet 17.

Institute of Geologists Ireland (2013): Guidelines for Preparation of Soils, Geology & Hydrogeology Chapters in Environmental Impact Statements.

National Roads Authority (2008): Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes.

Nichol, D. (2006). Peatslide hazard rating system for wind farm development purposes. Proceedings of the 28th Annual Conference of the British Wind Energy Association (BWEA28).

Scottish Natural Heritage report (SNH) Research and Guidance on Restoration and Decommissioning of Onshore Wind Farms (SNH, 2013).

WATER REFERENCES

CIRIA, 2006: Guidance on 'Control of Water Pollution from Linear Construction Projects' (CIRIA Report No. C648, 2006).

CIRIA, 2006: Control of Water Pollution from Construction Sites - Guidance for Consultants and Contractors. CIRIA C532. London, 2006.

COFORD, 2004: Forest Road Manual – Guidelines for the Design, Construction and Management of Forest Roads.

Coillte, 2009: Forest Operations & Water Protection Guidelines.

DoHLG, 2006: Wind Farm Development Guidelines for Planning Authorities.

EPA (2017) Guidelines on the Information to be Contained in Environmental Impact Assessment Reports – Draft.

- EPA (September 2015): Draft - Advice Notes on Current Practice (in the preparation on Environmental Impact Statements) where relevant.
- EPA (September 2015): Draft – Revised Guidelines on the Information to be Contained in Environmental Impact Statements where relevant.
- EPA, 2003: Advice Notes on Current Practice (in the preparation on Environmental Impact Statements) where relevant.
- Forest Services (Draft, undated): Forestry and Freshwater Pearl Mussel Requirements – Site Assessment and Mitigation Measures.
- Forest Service, 2000: Forestry and Water Quality Guidelines. Forest Service, DAF, Johnstown Castle Estate, Co. Wexford.
- Forestry Commission, 2004: Forests and Water Guidelines, Fourth Edition. Publ. Forestry Commission, Edinburgh.
- GSI, 2016: Establishment of Groundwater Zones of Contribution – Raheen Road Group Water Scheme, GSI/NFGWS/i.e. Engineering, January 2016.
- GSI, 2016: Establishment of Groundwater Zones of Contribution – Bodyke Group Water Scheme, GSI/NFGWS/i.e. Engineering, April 2016.
- IFI, 2016: Guidelines on Protection of Fisheries during Construction Works in and Adjacent to Waters, Inland Fisheries Ireland (2016).
- IGI, 2013: Guidelines for Preparation of Soils, Geology & Hydrogeology Chapters in Environmental Impact Statements, (Institute of Geologists Ireland, 2013).
- NRA, 2005: Guidelines on Procedures for Assessment and Treatment of Geology, Hydrology and Hydrogeology for National Road Schemes, (National Roads Authority, NRA, 2005).
- PPG1 - General Guide to Prevention of Pollution (UK Guidance Note).
- PPG5 – Works or Maintenance in or Near Watercourses (UK Guidance Note).
- SNH, 2010: Good Practice During Wind Farm Construction.
- SNH, 2013: Scottish Natural Heritage report (SNH): Research and Guidance on Restoration and Decommissioning of Onshore Wind Farms.

LANDSCAPE AND VISUAL REFERENCES

Guidelines for Landscape and Visual Impact Assessment, 3rd Edition 2013, UK Landscape Institute and the Institute of Environmental Management and Assessment.

EPA (2017) Draft Guidelines for Information to be Contained in Environmental Impact Assessment Reports.

Department of the Environment, Heritage and Local Government 2006, *Wind Energy Development Guidelines*

Department of Housing, Planning and Local Government 2019, *Wind Energy Development Guidelines Public Consultation Draft*

Scottish Natural Heritage, 2017, *Guide to Visual Representation of Wind Farms*

CULTURAL HERITAGE REFERENCES

Byrne, F. J. 1973. Irish kings and high-kings. London: Batsford.

Clare County Development Plan 2017-2023.

Culleton E. (ed.) 1999. Treasures of The Landscape; Townland Names by An Tathair Seamas S. De Vaal Dublin: Trinity College.

De Valera and O Nuallain 1961. Survey of the Megalithic Tombs of Ireland, Volume 1, Dublin Stationary Office.

Dowd, M. and Carden, R. 2016. *First evidence of a Late Upper Palaeolithic human presence in Ireland*. Quaternary Science Reviews 139, 158–63.

Edwards, N. 1996. The Archaeology of Early Medieval Ireland. Routledge: London.

Eogan, J., & Shee Twohig, E. 2012. Cois tSiuire – Nine Thousand years of Human Activity in the Lower Suir Valley. NRA Scheme Monographs 8, Dublin.

Large, S. 2011. A Church and Graveyard Survey in County Clare. Clare County Council and The Heritage Council.

MacCotter, P. 2008. Medieval Ireland: Territorial, political and economic divisions. Dublin. Four Courts Press.

McCarthy et al 2017. Inis Cealtra: Visitor Management and Sustainable Tourism Development Plan. Clare County Council.

McErlean, T. 1983. "The Irish townland system of landscape organisation". In Reeves-Smyth, Terence; Hamond, Fred (eds) Landscape Archaeology in Ireland BAR British Series 116.

Nugent, T. (ed) 2013. Were you at the rock? The History of mass rocks in Ireland. Dublin.

O’Kelly, M.J. 1954. Excavations and experiments in ancient Irish cooking places. Journal of the Royal Society of Antiquaries of Ireland 84, 105–55.

O’Sullivan, A. and Seaver, M. 2015. ‘report on the Inis Cealtra post excavation project for the Royal Irish Academy 2015’. Unpublished report by the Early Medieval Archaeology Project.

Plummer, C. 1910. Vitae Sanctorum Hiberniae. Volume 1. Oxford. Clarendon Press.

Quinn, B. and Moore, D. 2009. Fulachta fiadh and the beer experiment. In M. Stanley, E. Danaher and J. Eogan (eds) Dining and Dwelling: Proceedings of a public seminar on archaeological discoveries on national road schemes, August 2008. National Roads Authority Monograph Series No.6. Dublin. National Roads Authority, 43–53.

South Tipperary County Development Plan 2009

Stout, G. and Stout, M., 1997. *Early Landscapes: from Prehistory to Plantation*. In: F.H.A. Aalen, F.H.A., Whelan, K. and Stout, M., (eds.) *Atlas of the Irish Rural Landscape*. Cork: Cork University Press.

Stout, M. 2017. *Early Medieval Ireland 431-1169*. Bray. Wordwell.

Waddell, J., 1998. *The Prehistoric Archaeology of Ireland*, Galway University Press.

Wicklow County Development Plan 2016-2022

Woodman, P.C., Monaghan, N., McCarthy, M. 1997. 'The Irish Quaternary Fauna Project', *Quaternary Science Reviews*. 16: 129-159.

Woodman, P. 1998. '*Pushing the boat out for an Irish Palaeolithic*' In Ashton N. Healy F. Pettit P (Eds) *Stone Age Archaeology. Essays in honour of John Wymer*. Oxford Books. Oxford.

Cartographic Sources

Down Survey Baronies of Tullogh and Moyfertagh Co. Clare (c. 1655), Barony Map of Ballineer, Co. Wicklow (1654-6), Barony of Killnemina, Parish of Clogher, Co. Tipperary (c. 1655)

Neville's Map of Co. Wicklow (1760)

Ordnance Survey 6" and 25" maps of Co. Clare (1840, 1907), Co. Wicklow (1838, 1907) and Co. Tipperary (1839-41, 1901-5)

Electronic Sources

www.excavations.ie – Summary of archaeological excavation from 1970–2019.

www.archaeology.ie – DoCHG website listing all SMR sites.

www.osiemaps.ie – Ordnance Survey aerial photographs dating to 1995, 2000, and 2005 and 6-inch/25-inch OS maps.

www.heritagemaps.ie – The Heritage Council web-based spatial data viewer which focuses on the built, cultural and natural heritage.

www.googleearth.com – Satellite imagery of the proposed development area.

www.booksulster.com/library/plnm/placenamesC.php - Contains the text from *Irish Local Names Explained* by P.W Joyce (1870).

www.logainm.ie –Placenames Database of Ireland launched by *Fiontar agus Scoil na Gaelige* and the DoCHG.

ORNITHOLOGY REFERENCES

Baines, D. & Richardson, M. (2013) Hen Harriers on a Scottish grouse moor: multiple factors predict breeding density and productivity. *Journal of Applied Ecology* **50**: 1397-1405.

- Balmer, D.E., Gillings, S., Caffrey, B.J., Swann, R.L., Downie, I.S. & Fuller, R.J. (2013) *Bird Atlas 2007-11: the breeding and wintering birds of Britain and Ireland*. BTO Books, Thetford, U.K.
- Band, W., Madders, M. & Whitfield, D.P. (2007) "Developing field and analytical methods to assess avian collision risk at wind farms", In De Lucas, M. Et al. (eds.) *Birds and wind farms: Risk assessment and mitigation*. Madrid: Quercus/Libreria Linneo, pp.259-275.
- Bibby, C.J., Burgess, N.D., Hill, D.A. & Mustoe, S.H. (2000) *Bird Census Techniques*. 2nd edn. Academic Press, London.
- BirdWatch Ireland (2015) *I-WeBS Counter Manual: Guidelines for Irish Bird Survey counters*. BirdWatch Ireland and Department of Environment, Heritage and Local Government, Dublin.
- Bright, J. A., Langston, R. H. W., J, E. R., Gardner, S., Pearce-Higgins, J. & Wilson, E. (2006) *Bird sensitivity map to provide locational guidance for onshore wind farms*. A report by the Royal Society for the Protection of Birds, as part of a programme of work jointly funded by the RSPB and Scottish Natural Heritage. RSPB Report No. 20. 136pp.
- Brown, A. F., & K. B. Shepherd (1993) A method for censusing upland breeding waders. *Bird Study* **40**: 189-195.
- Chartered Institute of Ecology and Environmental Management (CIEEM) (2019) *Guidelines for ecological impact assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine*, version 1.1 – updated September 2019. Chartered Institute of Ecology and Environmental Management, Winchester, Hampshire, United Kingdom.
- Colhoun, K. & Cummins, S. (2013) Birds of Conservation Concern in Ireland 2014-2019. *Irish Birds* **9**: 523-544.
- Department of Arts, Heritage and the Gaeltacht (2011) *Action's for Diversity 2011-2016: Ireland's National Biodiversity Plan*. Department of Arts, Heritage and the Gaeltacht, Dublin.
- Department of Culture, Heritage and the Gaeltacht (2017) *National Biodiversity Action Plan: 2017-2021*. Department of Culture, Heritage and the Gaeltacht, Dublin.
- Dick, K. (2011) Carnedd Wen Avian Collision Risk Report for Revised Turbine Layout. SKM Enviros (on behalf of RWE Power Renewables Ltd).
- Dobson, A., Clarke, R. & Clarke, M. (2009) Factors affecting the vulnerability of farmland birds to predation by Hen Harriers *Circus cyaneus* in winter. *Bird Study* **56**: 132-136.
- Dorka, U., Straub, F. and Trautner, J., (2014) Wind power above forest-courtship of the woodcock at risk? Findings from a case study in Baden-Wuerttemberg (northern black forest). *Naturschutz und Landschaftsplanung*, **46(3)**, pp.69-78.
- Douglas, D. J. T., Bellamy, P. E. & Pearce Higgins, J. W. (2011) Changes in the abundance and distribution of upland breeding birds at an operational wind farm. *Bird Study*, **58**: 37-43.
- Drewitt, A. L. & Langston, R. H. W. (2008) Collision effects of wind-power generators and other obstacles on birds. *Annals of the New York Academy of Sciences*, **1134**: 233-266.

- Drewitt, A.L. & Langston, R. H.W. (2006) Assessing the impacts on wind farms and birds. *Ibis*, **148**: 29-42.
- Environmental Protection Agency (EPA) (2017) *Draft revised guidelines on the information to be contained in Environmental Impact Statements*. Environmental Protection Agency, Johnstown Castle Estate, Wexford.
- European Commission (EC) (2009) European Union Management Plan: Golden Plover *Pluvialis apricaria*. ISBN 978-92-79-13219-3, N° Catalogue KH-31-09-004-EN-N
- Fernández-Bellon, D., Irwin, S., Wilson, M. and O'Halloran, M. (2015) Reproductive output of Hen Harriers *Circus cyaneus* in relation to wind turbine proximity. *Irish Birds*, **10(2)**, pp.143-150.
- Fernández-Bellon, D., Wilson, M.W., Irwin, S. and O'Halloran, J. (2019) Effects of development of wind energy and associated changes in land use on bird densities in upland areas. *Conservation Biology*, **33(2)**, pp.413-422.
- Forrest, J., Robinson, C., Hommel, C. & Craib, J. (2011) *Flight activity and breeding success of Hen Harrier at Paul's Hill wind farm in north east Scotland*. Poster presented at 2011 Conference on Wind Energy and Wildlife Impacts, Trondheim, Norway.
- Garvin, J. C., Jennelle, C. S., Drake, D. & Grodsky, S. M. (2011) Response of raptors to a windfarm. *Journal of Applied Ecology* **48**: 199-209.
- Gibbons, D.W., Reid, J.B., & Chapman, R.A. (1993) *The New Atlas of Breeding Birds in Britain and Ireland: 1988-1991*. T&AD Poyser, London.
- Gilbert, G., Gibbons, D.W., and Evans J., (1998) *Bird Monitoring Methods – A manual for key UK species*. Royal Society for the Protection of Birds, Bedfordshire, U.K.
- Hardey, J., Crick, H., Wernham, C., Riley, H., Etheridge, B. & Thompson, D. (2013) *Raptors: a field guide for surveys and monitoring (3rd Edition)*. The Stationery Office, Edinburgh, U.K.
- Haworth Conservation (2013) *Edinbane Windfarm: Ornithological monitoring. A review of the spatial use of the area by birds of prey*. Haworth Conservation Ltd, Bunessan, Isle of Mull, Scotland.
- Hötker, H., (2006) The impact of repowering of wind farms on birds and bats. *Michael-Otto-Institut im NABU, Bergenhusen, Deutschland*.
- Hötker, H., Thomsen, K.M. and Köster, H. (2006) Impacts on biodiversity of exploitation of renewable energy sources: the example of birds and bats. *Facts, gaps in knowledge, demands for further research, and ornithological guidelines for the development of renewable energy exploitation*. *Michael-Otto-Institut im NABU, Bergenhusen, Deutschland*.
- Humphreys, E.M, Cook, A.S.C.P. and N.H.K. Burton (2015). Collision, Displacement and Barrier Effect Concept Note.
- Irish Raptor Study Group (IRSG) (2016) *Core Requirements for the Recovery and Conservation of the Hen Harrier in Ireland*. Position Statement of the Committee of the Irish Raptor Study Group prepared for the Chair of the Hen Harrier Threat Response Plan, National Parks & Wildlife Service, Department of Arts, Heritage, Rural, Regional & Gaeltacht Affairs, Dublin.

Irish Raptor Study Group (IRSG) (2018) *Irish Raptor Study Group Annual Review 2017*. Irish Raptor Study Group, Dublin.

Irish Wind Energy Association (IWEA) (2012) *Best Practice Guidelines for the Irish Wind Energy Industry*. Irish Wind Energy Association, Millennium Park, Osberstown, Naas, Co. Kildare.

Irwin, S., Wilson, M. W., O'Donoghue, B., O'Mahony, B., Kelly, T. C. & O'Halloran, J. (2012) *Optimum scenarios for Hen Harrier conservation in Ireland*. Report to the Department of Agriculture, Food & the Marine. 47pp.

Johnson, G. D., Young, D. P., Erickson, W. P., Derby, C. E., Strickland, D. M. & Good, R. E. (2000) *Wildlife monitoring studies Seawest Windpower Project, Carbon County, Wyoming 1995-1999: final report*. Wyoming, U.S.A.

King, S., MacLean, I., Norman, T. & Prior, A. (2009) *Developing Guidance on Ornithological Cumulative Impact Assessment for Offshore Wind Farm Developers*. Collaborative Offshore Wind Research Into the Environment (COWRIE), Scotland.

Lack, P., (1986) *The Atlas of Wintering Birds in Britain and Ireland*. T. & A.D. Poyser Ltd., London.

Langston, R. H. W. & Pullan, J. D. (2004) *Effects of wind farms*. Strasbourg: Council of Europe Publishing.

Lewis, L.J., Burke, B. & Crowe, O. (2016) *Review and Assessment of Waterbird Data from the Shannon-Fergus Estuary*. BirdWatch Ireland, Kilcoole, Wicklow.

Madden, B. & Porter, B. (2007) Do wind turbines displace Hen Harriers *Circus cyaneus* from foraging habitat? Preliminary results of a case study at the Derrybrien wind farm, County Galway. *Irish Birds* **8**: 231-236

Madders, M. & Whitfield, D. P. (2006) Upland raptors and the assessment of wind farm impacts. *Ibis* **148**: 43-56.

Madders, M. (1997) *The effects of forestry on hen harriers Circus cyaneus* (Doctoral dissertation, University of Glasgow).

Madders, M. (2004) *The ecology of Hen harriers in Scotland in relation to windfarms*. Report on Penbreck and Carmacoup proposed windfarm.

Mc Guinness, S., Muldoon, C., Tierney, N., Cummins, S., Murray, A., Egan, S. & Crowe, O. (2015) *Bird Sensitivity Mapping for Wind Energy Developments and Associated Infrastructure in the Republic of Ireland*. BirdWatch Ireland, Kilcoole, Co. Wicklow.

Murray, T., Clotworthy, C. & Bleasdale, A. (2013) A Survey of Red Grouse (*Lagopus lagopus scoticus*) in the Owenduff/Nephin Complex Special Protection Area. *Irish Wildlife Manuals*, No. 77. National Parks and Wildlife Service, Department of the Arts, Heritage and the Gaeltacht, Dublin.

National Parks and Wildlife Service (NPWS) (2017) *National Peatlands Strategy: Progress Report 2017*. Peatlands Strategy Implementation Group, National Parks and Wildlife Service, Department of Culture, Heritage and the Gaeltacht, Dublin.

- National Roads Authority (2009) *Guidelines for Assessment of Ecological Impacts of National Road Schemes (revision 2)*. National Roads Authority, Parkgate Street, Dublin 8.
- O'Donoghue, B.G., Casey, M.J., Malone, E., Carey, J.G.J, Clarke, D. & Conroy, K. (2020). Recording and Addressing Persecution and Threats to Our Raptors (RAPTOR): a review of incidents 2007–2019. Irish Wildlife Manuals, No. 126. National Parks and Wildlife Service, Department of Housing, Local Government and Heritage, Ireland
- Pearce-Higgins, J. W., Stephen, L., Douse, A. & Langston, R. H. W. (2012) Greater impacts of wind farms on bird populations during construction than subsequent operation: results of a multi-site and multi-species analysis. *Journal of Applied Ecology*, **49**: 386-394.
- Pearce-Higgins, J. W., Stephen, L., Langston, R. H. W., Bainbridge, I. P. & Bullman, R. (2009) The distribution of breeding birds around upland wind farms. *Journal of Applied Ecology* **46**: 1323-1331.
- Percival, S.M. (2001) Assessment Of The Effects Of Offshore Wind Farms On Birds. ETSU Report W/13/00565/REP.
- Percival, S.M. (2003) *Birds and Wind farms in Ireland: A Review of Potential Issues and Impact Assessment*. Sustainable Energy Ireland, Dublin.
- Robson, P. 2012. Mitigation and compensation: review of Hen Harrier breeding and flight activity near a windfarm in Argyll. 123-123 (Eds. May, R. & Bevanger, K.). Norwegian Institute for Nature Research.
- Ruddock, M. & Whitfield, D. (2007) *A review of disturbance distances in selected bird species*. A report from Natural Research (Projects) Ltd to Scottish Natural Heritage. 181pp.
- Ruddock, M., Mee, A., Lusby, J., Nagle, A., O'Neill, S. & O'Toole, L. (2016) The 2015 National Survey of Breeding Hen Harrier in Ireland. *Irish Wildlife Manuals*, No. 93. National Parks and Wildlife Service, Department of the Arts, Heritage and the Gaeltacht, Dublin.
- Schmal, G. (2015) Woodcock's sensitivity to wind turbines - a contribution to the current discussion. *Nature Conservation and Landscape Planning*, **47** (2).
- Scott, D. & McHaffie, P. (2008) Hen Harrier *Circus cyaneus* killed at windfarm site in County Antrim. *Irish Birds* **8**: 436-437.
- Scott, D. (2005) The diet of hen harriers *Circus cyaneus* in Northern Ireland 1991- 2005. *Irish Birds* **7**: 597–599.
- Scottish Natural Heritage (2000) *Wind farms and birds: calculating a theoretical collision risk assuming no avoidance action*. Scottish Natural Heritage, Edinburgh, UK.
- Scottish Natural Heritage (2005) *Assessing the Cumulative Impact of Onshore Wind Energy Developments*. Scottish Natural Heritage, Edinburgh, UK.
- Scottish Natural Heritage (2006) *Assessing Significance of Impacts from Onshore Wind farms on Birds Outwith Designated Sites*. Scottish Natural Heritage, Edinburgh, UK.

- Scottish Natural Heritage (2012) *Assessing the Cumulative Impact of Onshore Wind Energy*. Scottish Natural Heritage, Edinburgh, UK.
- Scottish Natural Heritage (2014) *Recommended Bird Survey Methods to Inform Impact Assessment on Onshore Wind farms (revised version)*. Scottish Natural Heritage, Edinburgh, UK.
- Scottish Natural Heritage (2016) *Assessing Connectivity with Special Protection areas (SPAs) (Version 3)*. Scottish Natural Heritage, Edinburgh, UK.
- Scottish Natural Heritage (2017) *Recommended bird survey methods to inform impact assessment of onshore wind farms (Version 2)*. Scottish Natural Heritage, Edinburgh, U.K.
- Scottish Natural Heritage (2018) *Avoidance rate information & guidance note: Use of avoidance rates in the SNH wind farm collision risk model*. Scottish Natural Heritage, Edinburgh, UK.
- Sharrock, J.T.R. (1976) *The Atlas of Breeding Birds in Britain and Ireland*. T &AD Poyser Ltd., London.
- Straub, F., J. Trautner & U. Dorka (2015) Die Waldschnepfe ist „windkraftsensibel“ und artenschutzrechtlich relevant. *Nat.schutz Landsch.planung* **47**: 49–58.
- Thelander, C. G., Smallwood, K. S. & Ruge, L. (2003) Bird risk behaviors and fatalities at the Altamont Pass Wind Resource Area. Period of Performance: March 1998 – December 2000. Golden, Colorado: National Renewable Energy Laboratory.
- Thompson, D.B.A., Stroud, D.A. & Pienkowski, M.W. (1988) 'Afforestation and upland birds: consequences for population ecology', in Usher M. B. & Thompson, D.B.A. (eds.) *Ecological change in the uplands*. Blackwell Scientific Publications, Edinburgh, U.K, pp. 237-259.
- Watson, D. (1977) *The hen harrier*. T & AD Poyser Ltd, London, U.K.
- Wernham, C.V., Toms, M.P., Marchant, J.H., Clark, J.A., Siriwardena, G.M. & Baillie S.R. (eds.) (2002) *The Migration Atlas: movements of the birds of Britain and Ireland*. T. and A.D. Poyser, London.
- Whitfield, D. P. & Madders, M. (2006) A review of the impacts of wind farms on Hen Harriers *Circus cyaneus* and an estimation of collision avoidance rates. *Natural Research Information Note 1* (revised). Natural Research Ltd., Banchory, UK.
- Whitfield, D. P. & Madders, M. (2006b) Flight height in the Hen Harrier *Circus cyaneus* and its incorporation in wind turbine collision risk modelling. Natural Research Information Note 2. Natural Research Ltd., Banchory, UK
- Wilson, M. W., Irwin, S., Norriss, D. W., Newton, S. F., Collins, K., Kelly, T. C. & O'Halloran, J. (2009) The importance of pre-thicket conifer plantations for nesting Hen Harriers *Circus cyaneus* in Ireland. *Ibis* **151**: 332-343.
- Wilson, M. W., Irwin, S., O'Donoghue, B., Kelly, T. C. & O'Halloran, J. (2010) *The use of forested landscapes by Hen Harriers in Ireland*. COFORD Connects. Environment No. 10. Department of Agriculture, Fisheries and Food, Dublin.

Wilson, M., Fernández-Bellon, D., Irwin, S. & O'Halloran, J. (2015) *The interactions between Hen Harriers and wind turbines: WINDHARRIER - Final Project Report*. School of Biological Earth & Environmental Sciences (BEES), University College Cork.